



Welcome to the AZ Weather and Climate Report

November 16, 2023

Arizona State Climate Office

Details



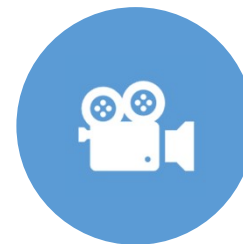
Speakers each present for 10-15 minutes



Please enter questions in chat



Brief Q&A at end of all speakers



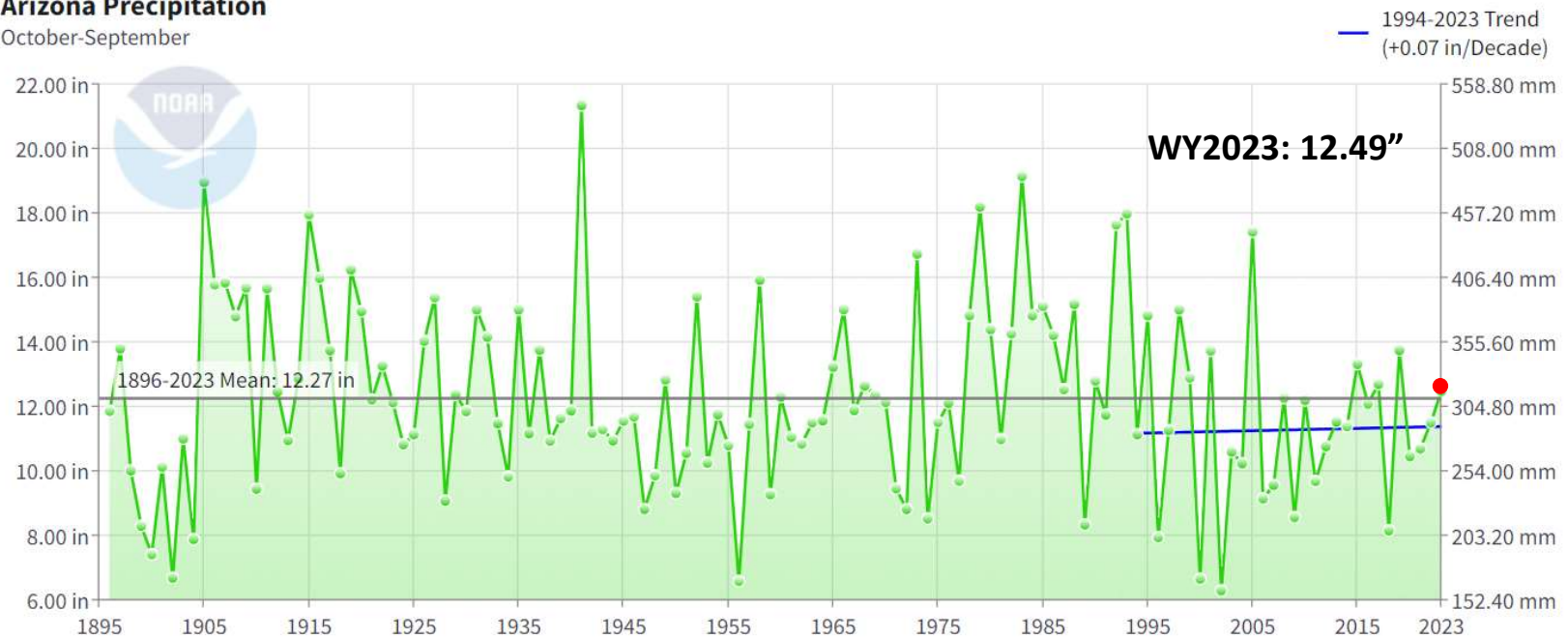
Session will be recorded and posted for future viewing

Arizona has been in drought 30 years

Drought in Arizona is a series of dry years with an occasional wet year

Arizona Precipitation

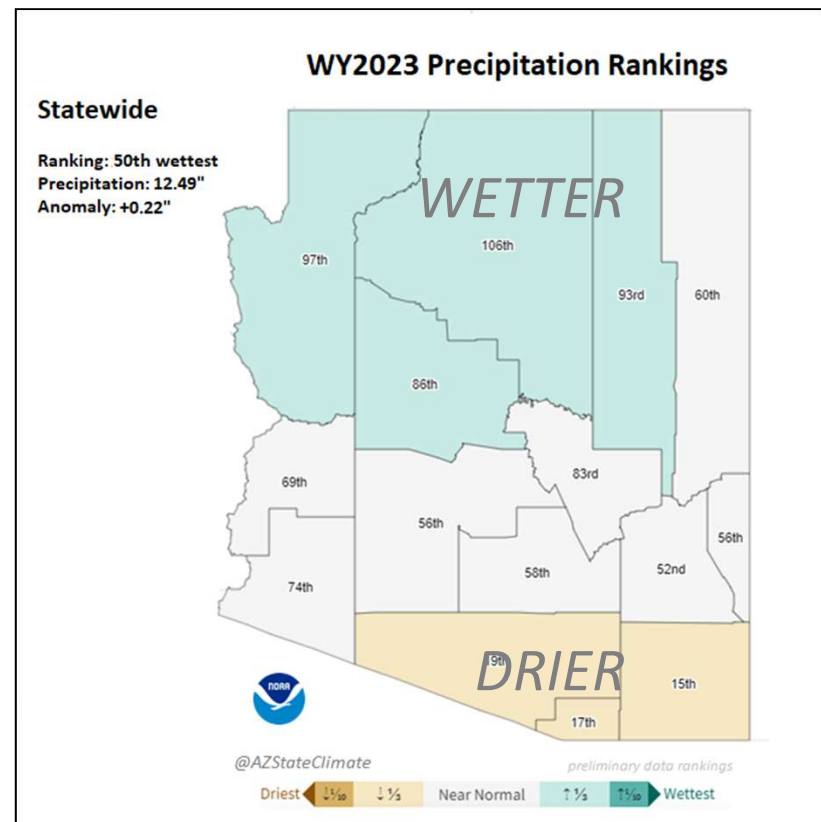
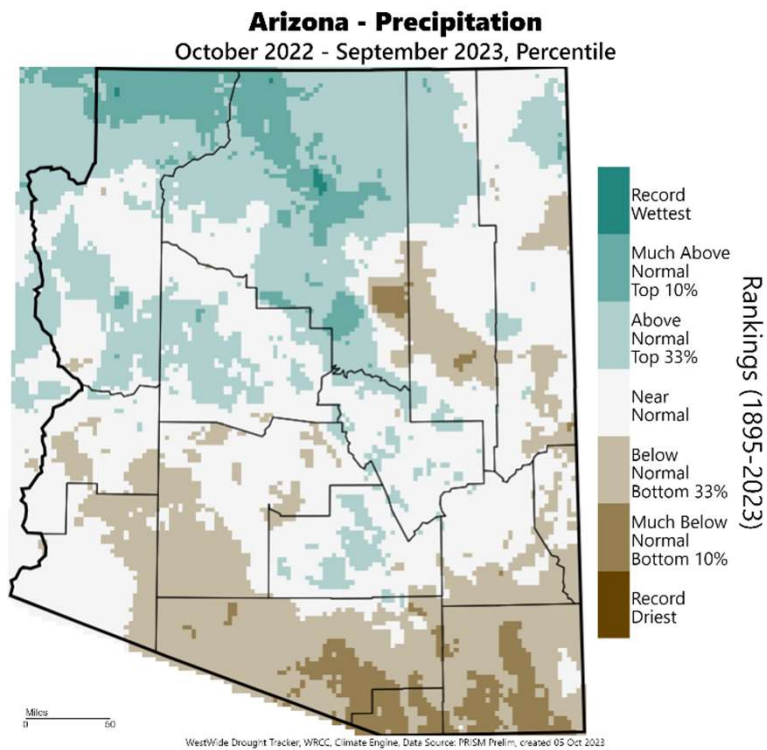
October-September



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

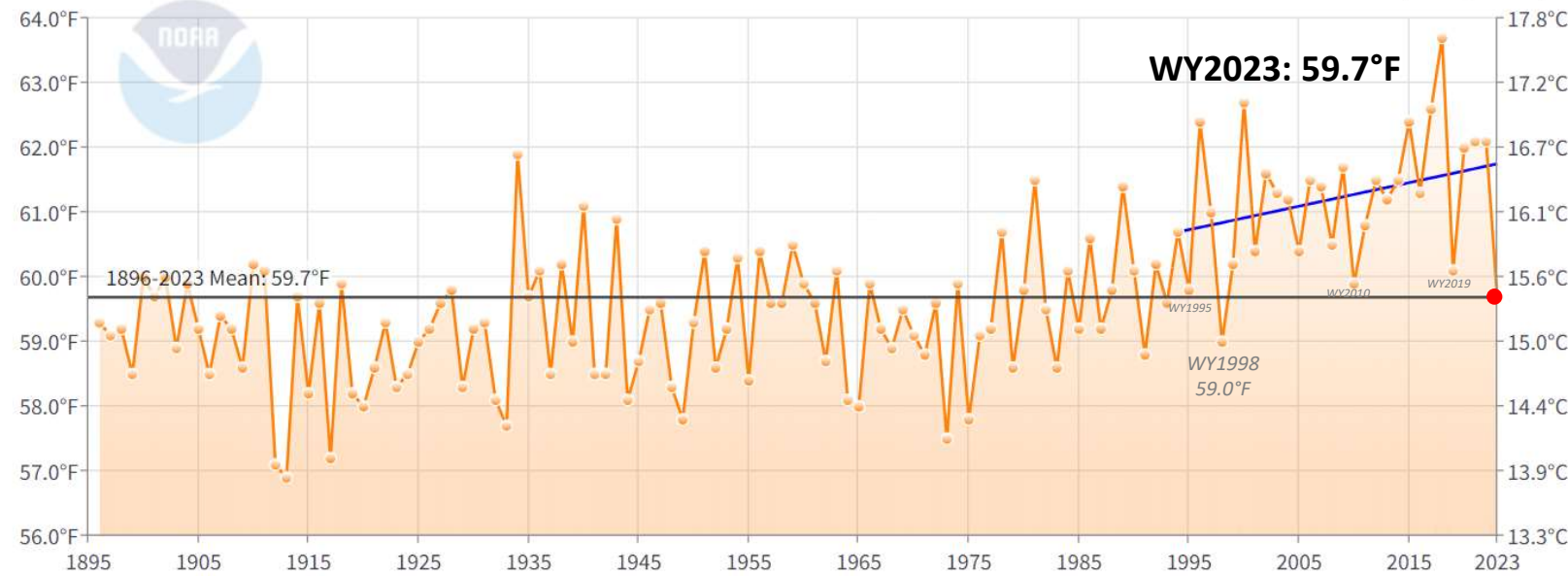
*Long-term average 12.27"
Drought average 11.29"*

WY2023: slightly above long-term average statewide precipitation (128 WY)



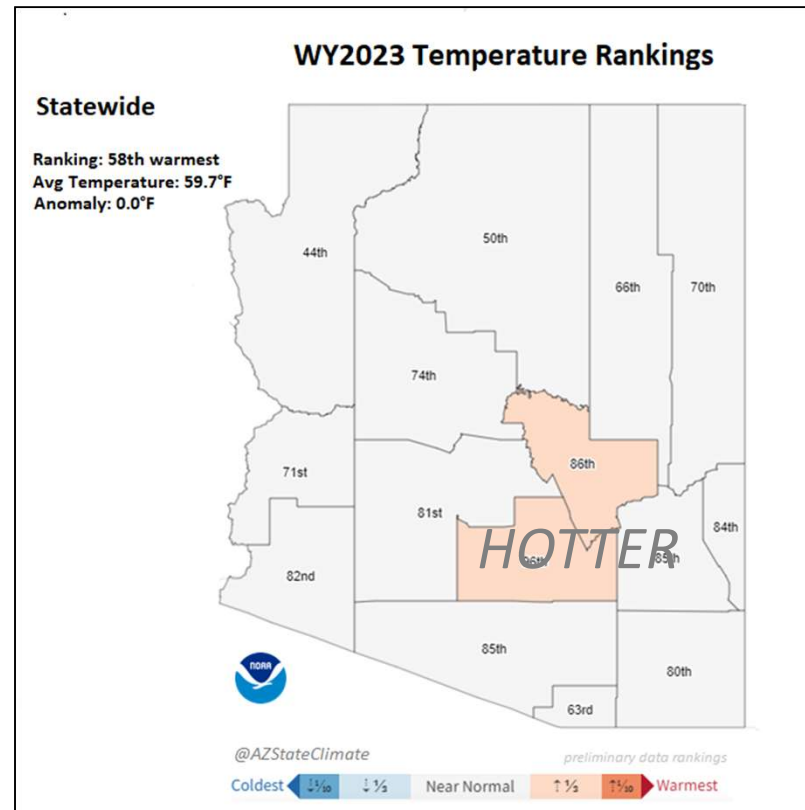
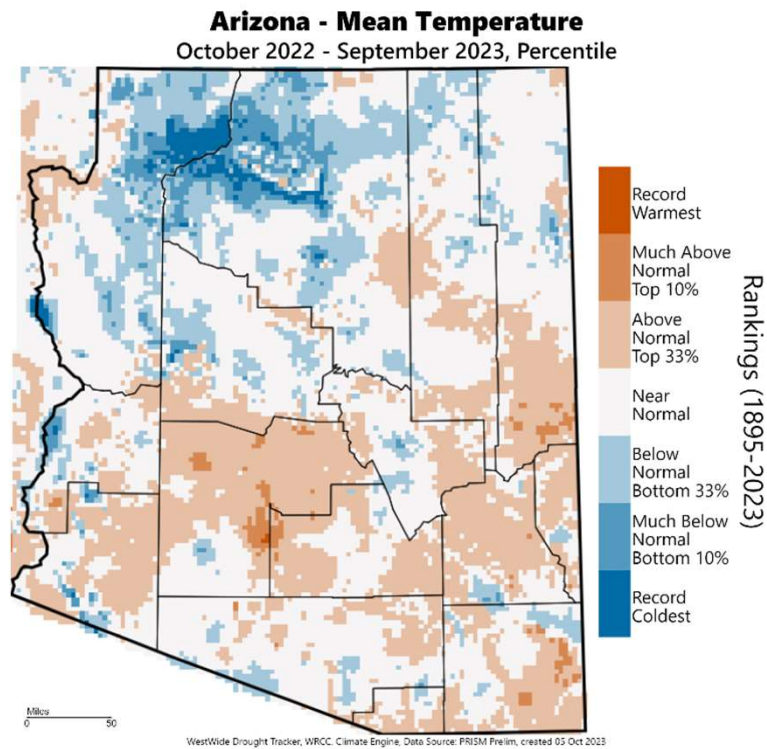
Second coldest WY in last 30 years

Arizona Average Temperature October-September



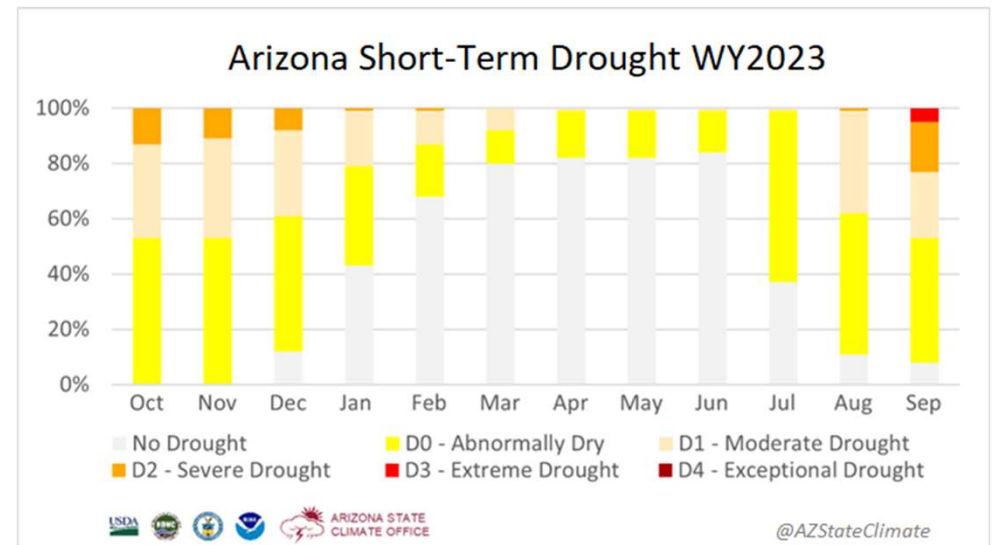
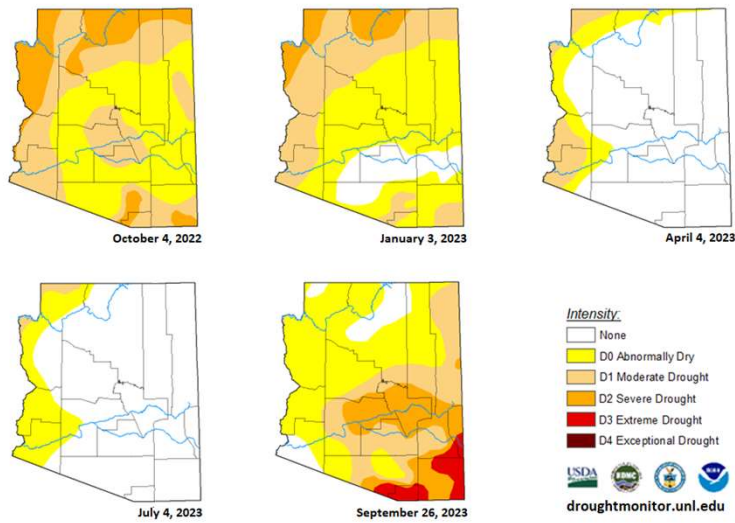
Overall, temperatures have been increasing statewide for the last 30 years

WY2023: tied with long-term average statewide temperature (128 WY)



Short-term drought improved from winter precipitation; degraded from dry summer

Arizona Short-Term Drought WY2023



Deficit over several years

Previous 5 WY
(total statewide precipitation)

WY2022 **11.52"**

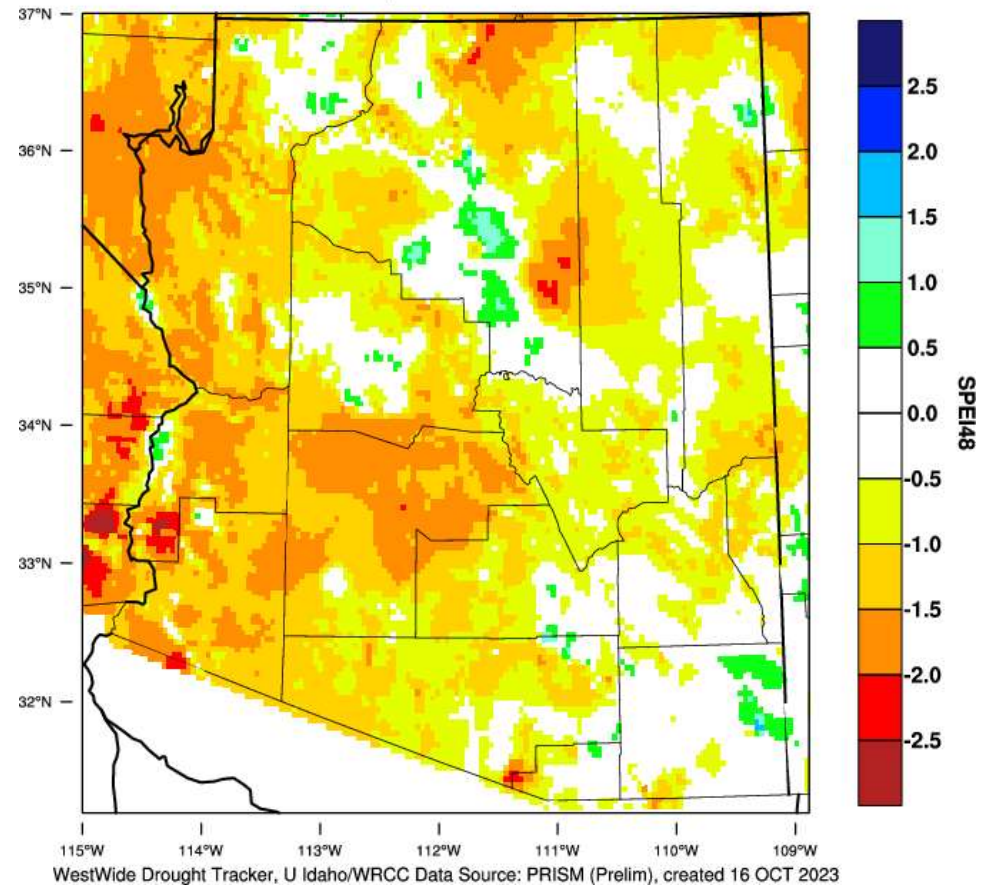
WY2021 **10.71"**

WY2020 **10.47"**

WY2019 **13.76"**

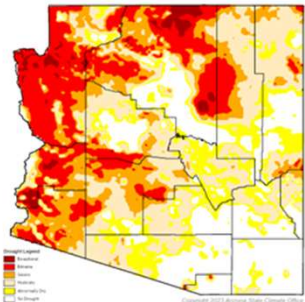
WY2018 **8.17"**

Arizona - 48 month SPEI
September 2023

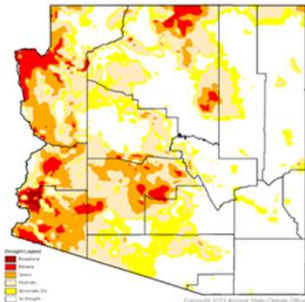


Standardized Precipitation Evapotranspiration Index

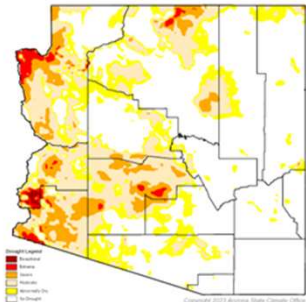
Long-term drought persists



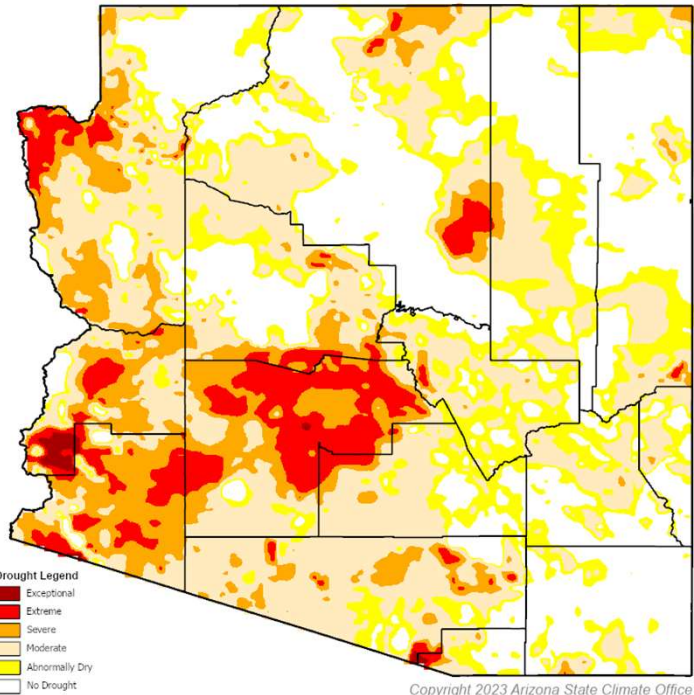
October to December 2022



January to March 2023



April to June 2023

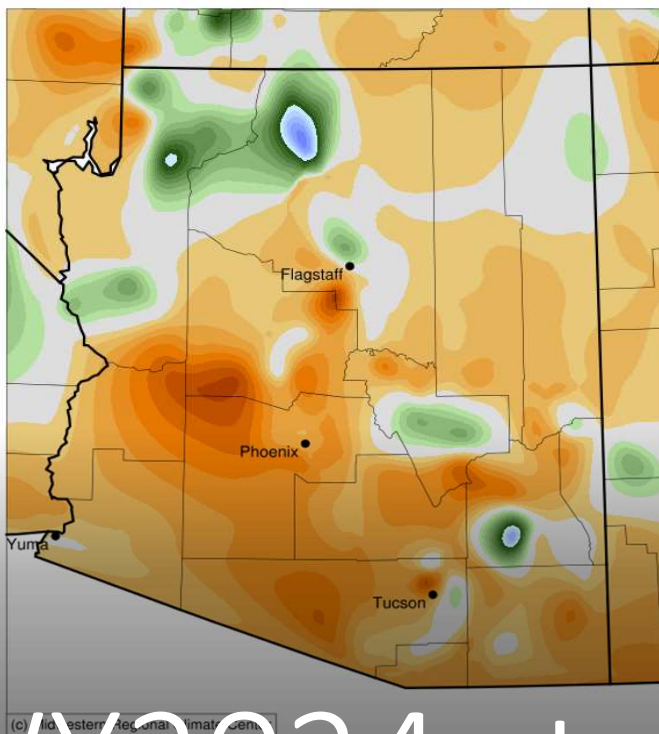


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July to September 2023

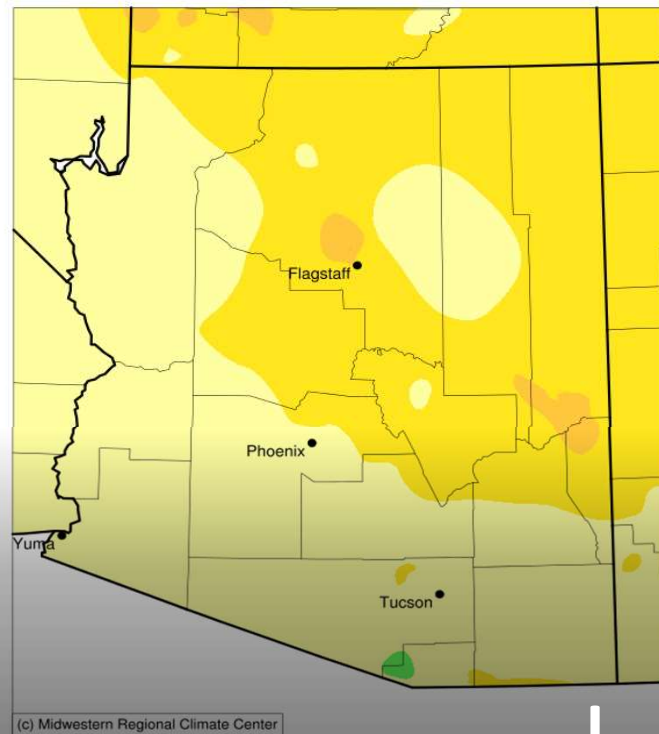
Average Temperature (°F): Departure from 1991-2020 Normals

October 01, 2023 to November 15, 2023



Accumulated Precipitation (in): Departure from 1991-2020 Normals

October 01, 2023 to November 15, 2023



WY2024 starting warm and dry

Summary



WY2023 overall cool
and wet



Drought levels
building



WY2024 starting
warm and dry