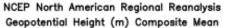
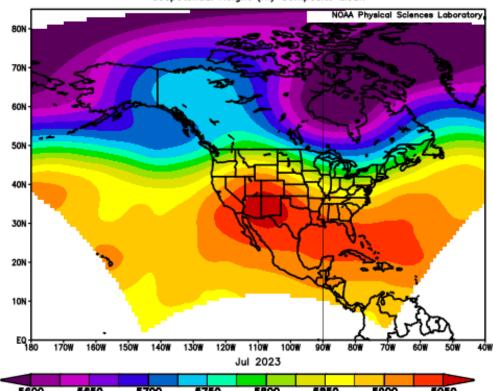
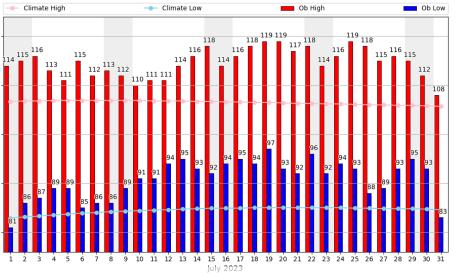
July was record-breaking



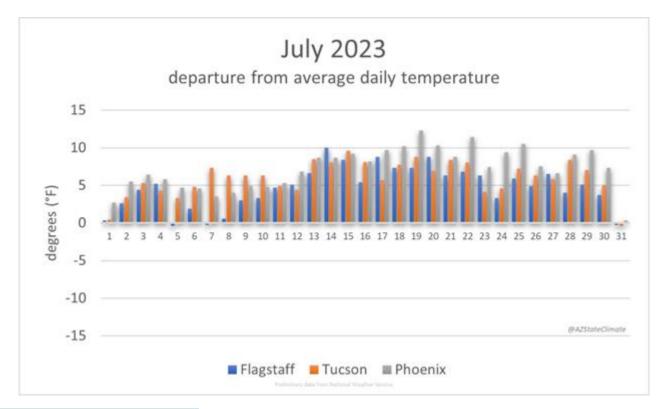


- Persistent, strong ridge
- Lack of thunderstorm activity
- Urban heat island
- Attribution: about 3.5°F warmer

[PHX] PHOENIX/SKY HARBOR :: Hi/Lo Temps for Jul 2023 NCEI 1991-2020 Climate Site: USW00023183



Most AZ locations had their hottest month on record







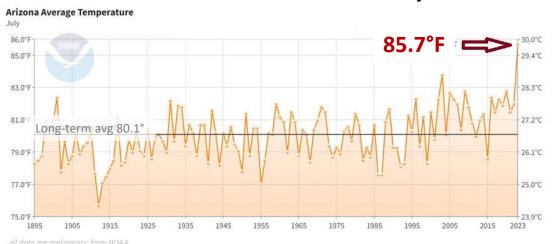


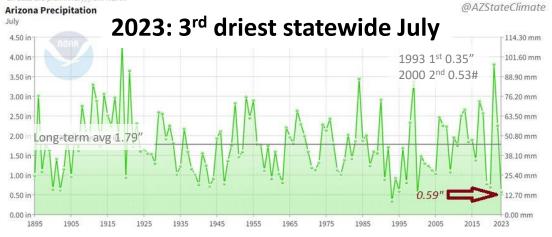


Hottest statewide month ever

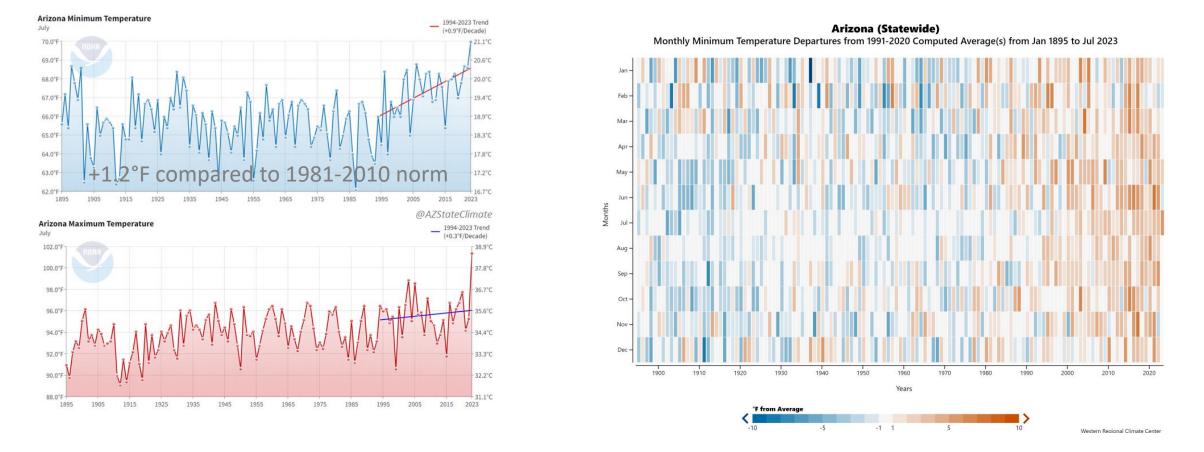
Aug 2020 now 2nd 84.1°F

2023: hottest statewide July









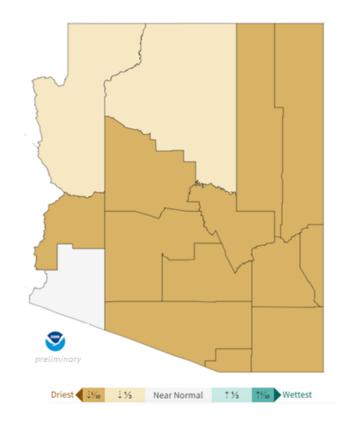
Statewide: minimum (night) temps hotter

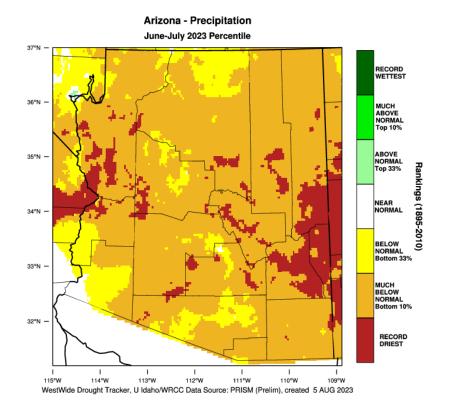


June-July very dry

2023: 2nd driest June-July on record

statewide ranking



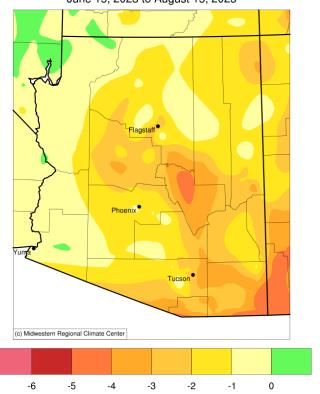




Monsoon to date:

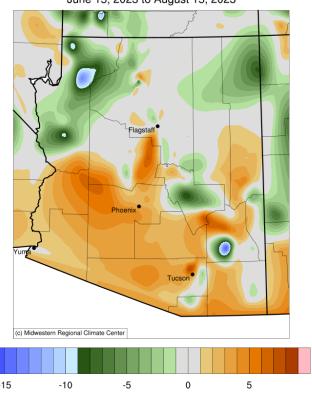
Much below average precip

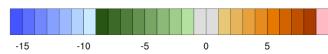
Accumulated Precipitation (in): Departure from 1991-2020 Normals June 15, 2023 to August 15, 2023



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

June 15, 2023 to August 15, 2023



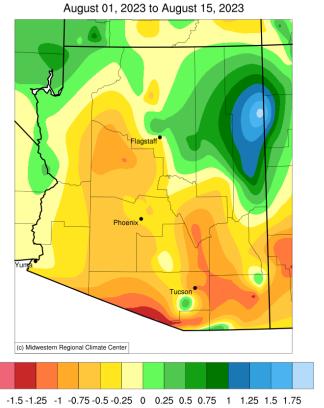




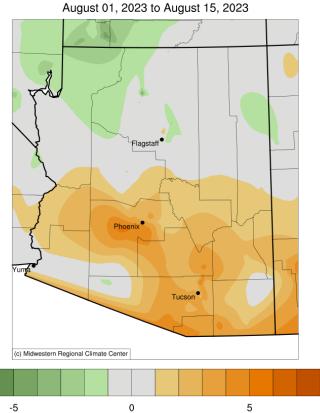
Latest starting monsoon precip for Phoenix

Phoenix Sky Harbor Last 0.01" or higher was March 22 Latest monsoon precip was 1995, Aug 14

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



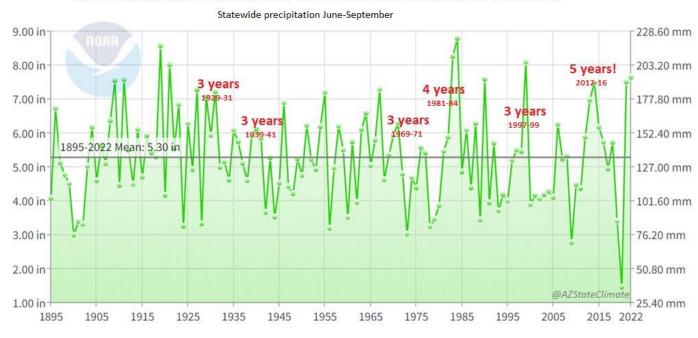
Average Temperature (°F): Departure from 1991-2020 Normals



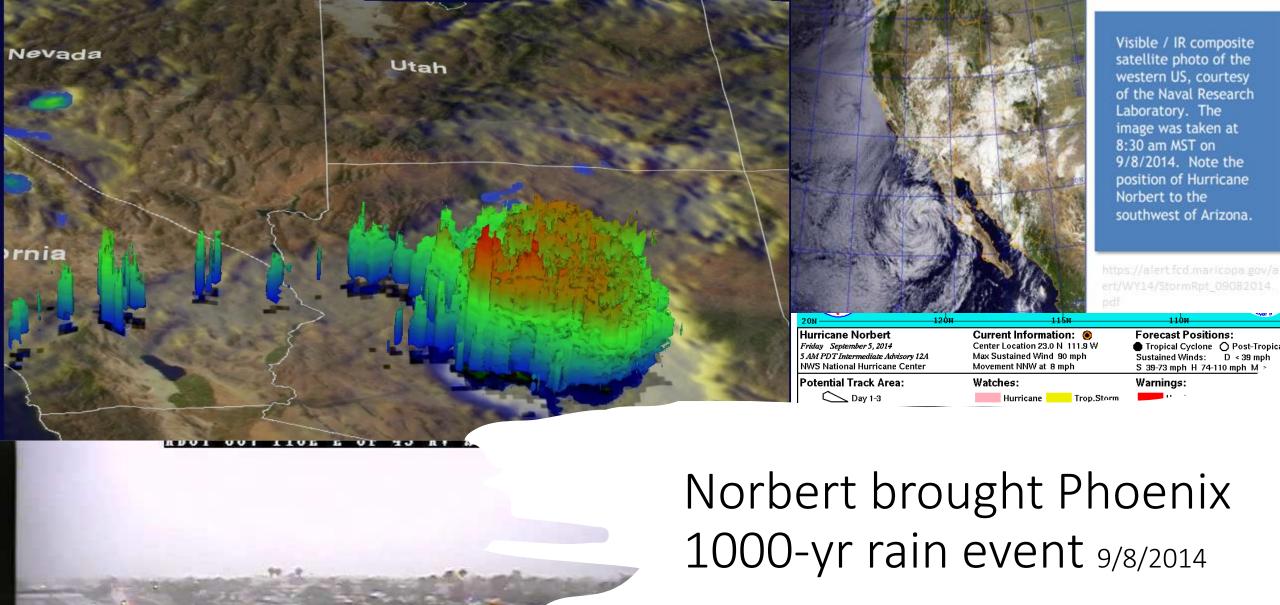


Is a wet monsoon still possible?

How often has Arizona had 3 or more wet summers in a row?





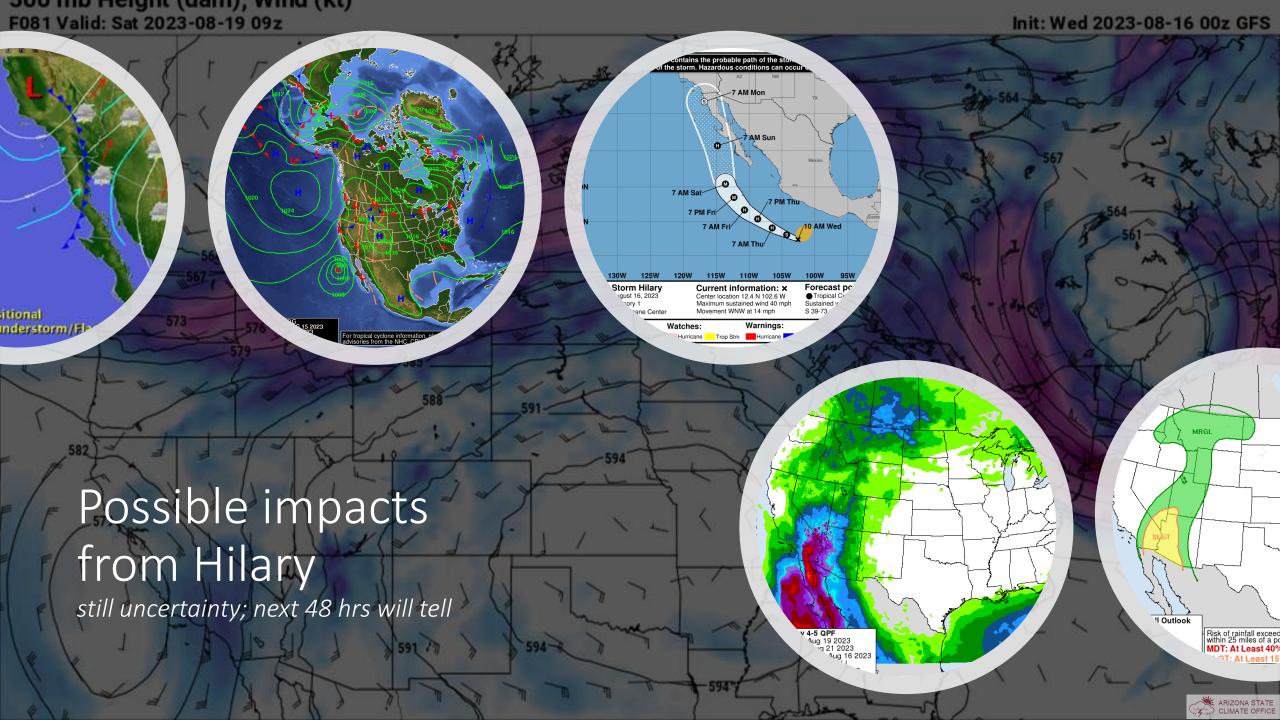


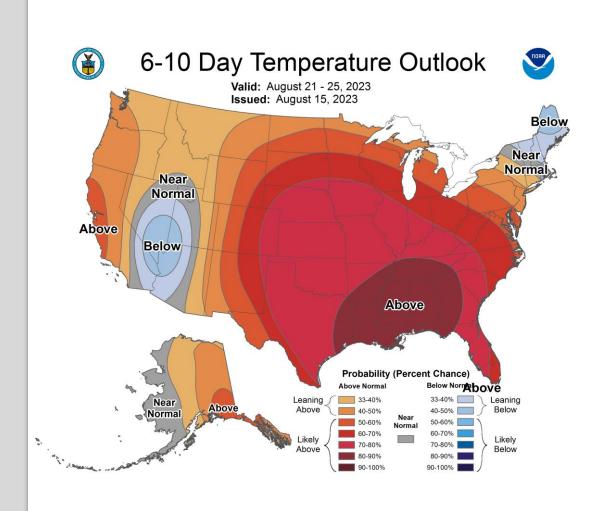
3.3" in 7 hrs KPHX

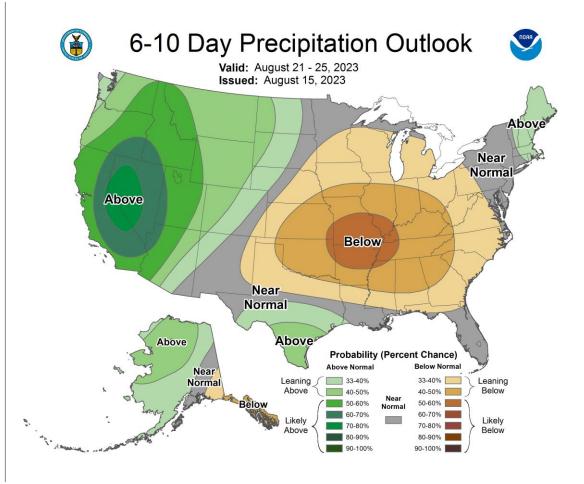
4-5.5" other locations

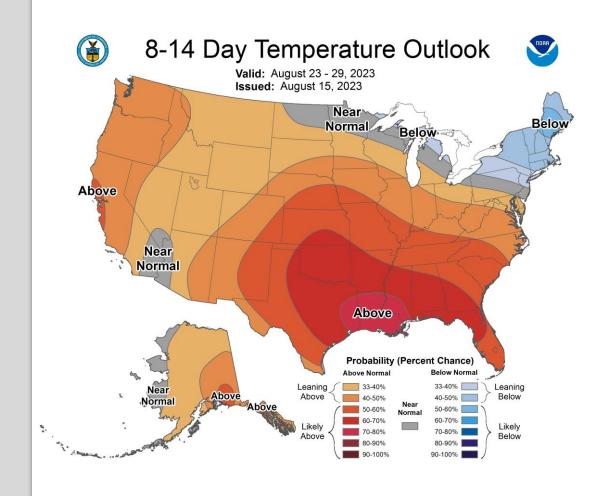
FMA MAM NDJ Year DJF JFM AMJ MJJ JJA JAS ASO SON OND 2014 -0.4 0.0 0.2 0.0 0.1 0.2 0.6 0.7 2015 0.5 0.5 0.7 0.9 2.2

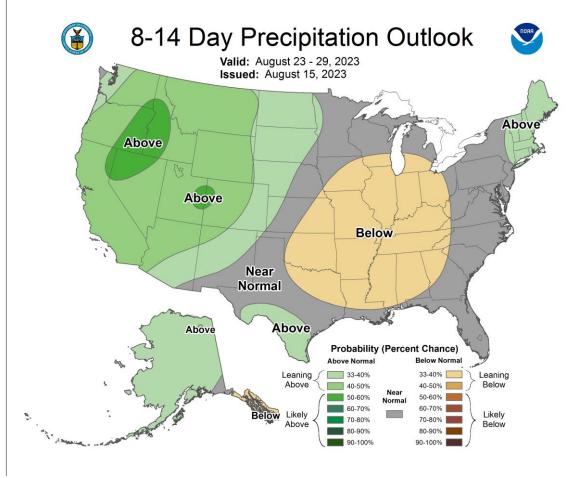








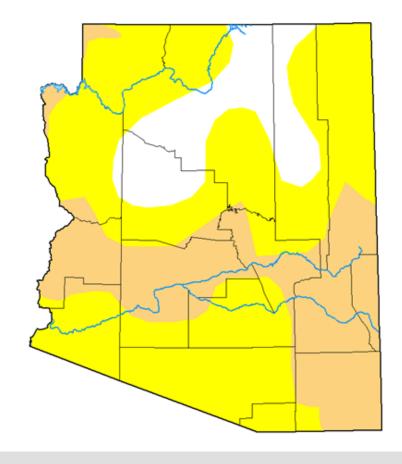


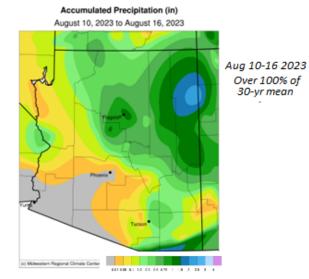


After today, likely Phx Sky Harbor 46 days of 110°F 2020: 50 days end of Aug

Arizona Short-Term Drought

August 17, 2023

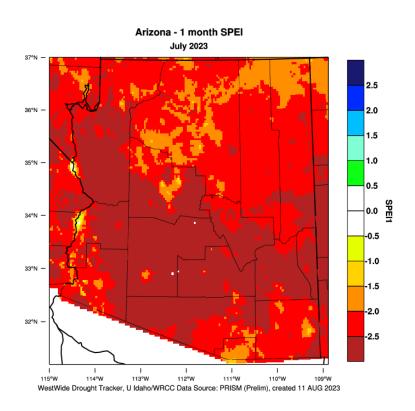




Category	Coverage this week	Change from last week	Last Year this time
No Drought	15%	0	0%
D0 Abnormally Dry	56%	0	15%
D1 Moderate	29%	0	52%
D2 Severe	0%	0	30%
D3 Extreme	0%	0	3%
D4 Exceptional	0%	0	0%

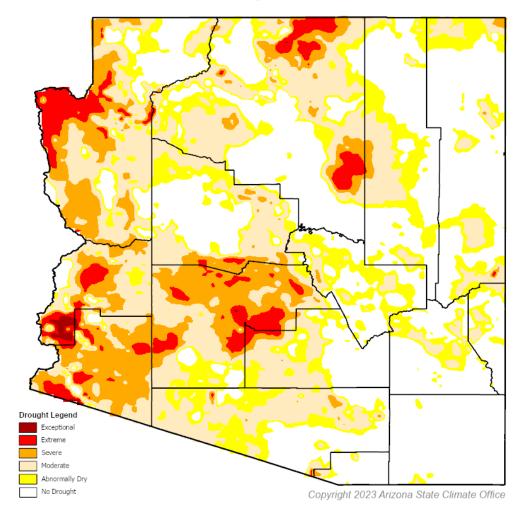


Long-term drought impacted



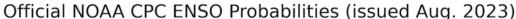
Arizona Long-Term Drought

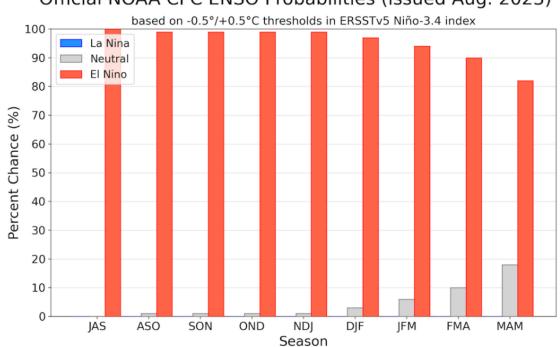
July 2023

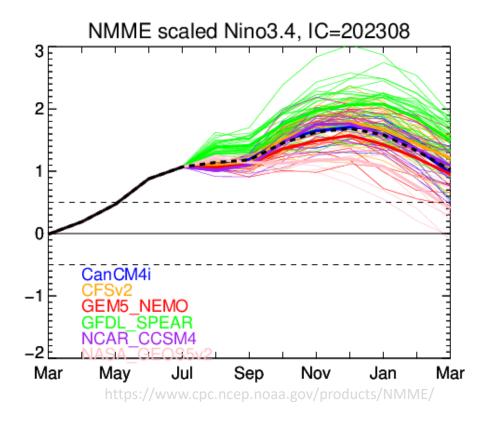




El Nino on track to persist through winter 2023-24







Summary



July record-breaking across state



Monsoon coming about; flood potential



El Nino continues building

