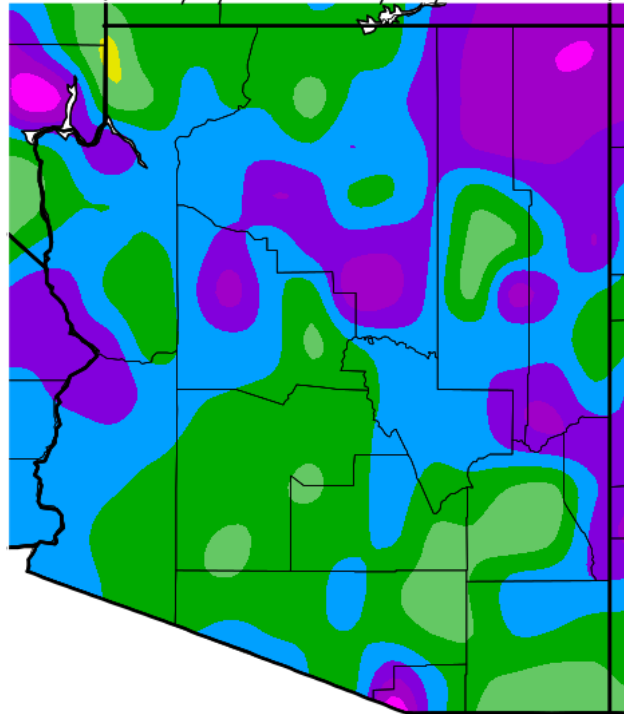


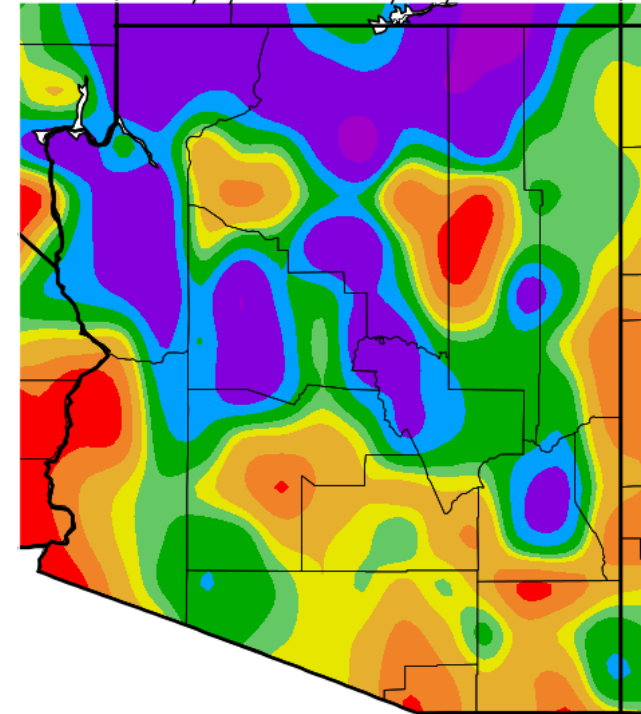
From Jan 1:
AZ has been
cold and
mostly wet

Ave. Temperature dep from Ave (deg F)
1/1/2023 – 7/18/2023



Generated 7/19/2023 at WRCC using provisional data.
NOAA Regional Climate Centers

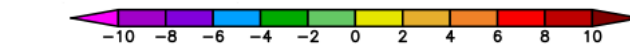
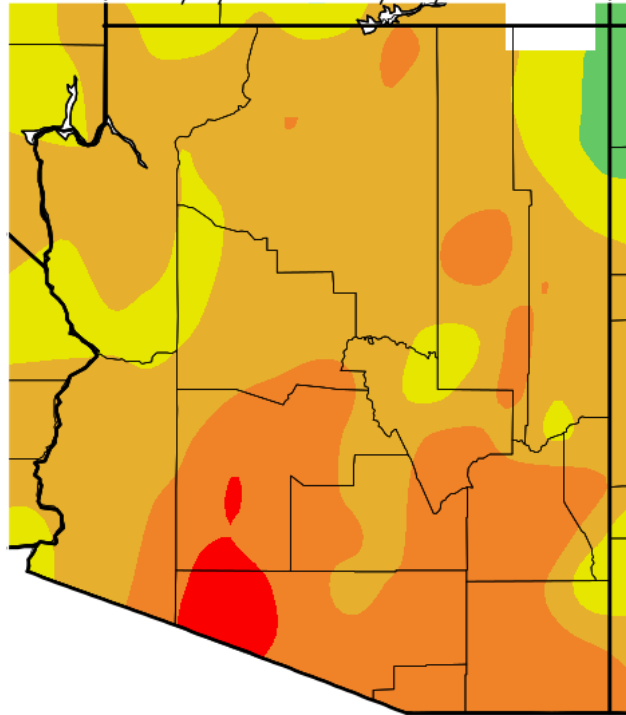
Percent of Average Precipitation (%)
1/1/2023 – 7/18/2023



Generated 7/19/2023 at WRCC using provisional data.
NOAA Regional Climate Centers

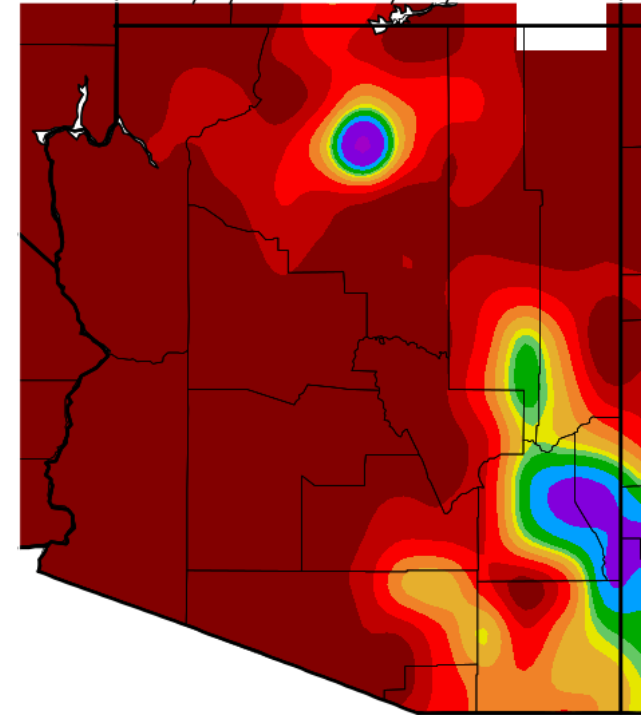
From July 1:
AZ has been
hot and dry

Ave. Temperature dep from Ave (deg F)
7/1/2023 - 7/18/2023



Generated 7/19/2023 at WRCC using provisional data.
NOAA Regional Climate Centers

Percent of Average Precipitation (%)
7/1/2023 - 7/18/2023

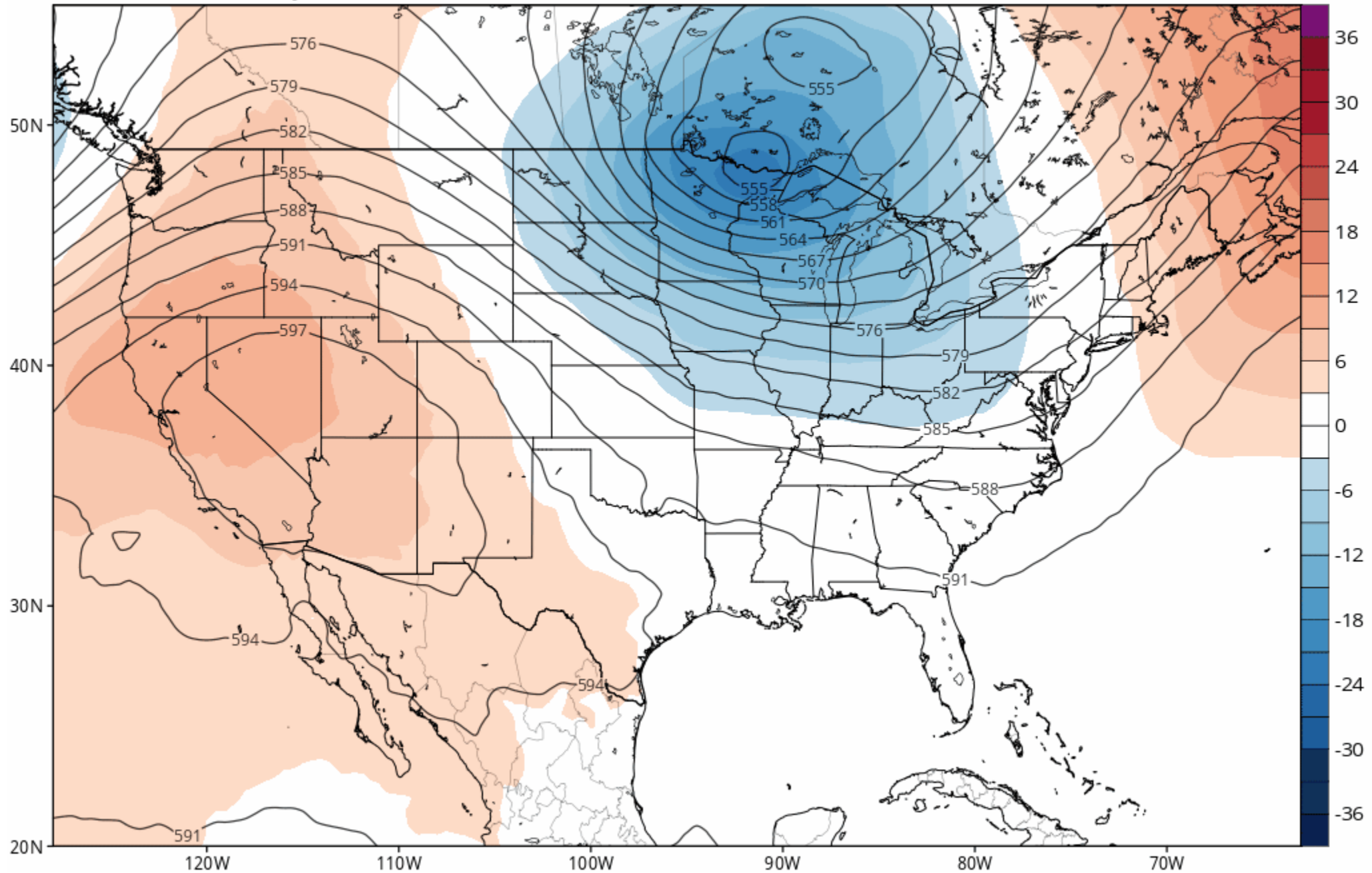


Generated 7/19/2023 at WRCC using provisional data.
NOAA Regional Climate Centers

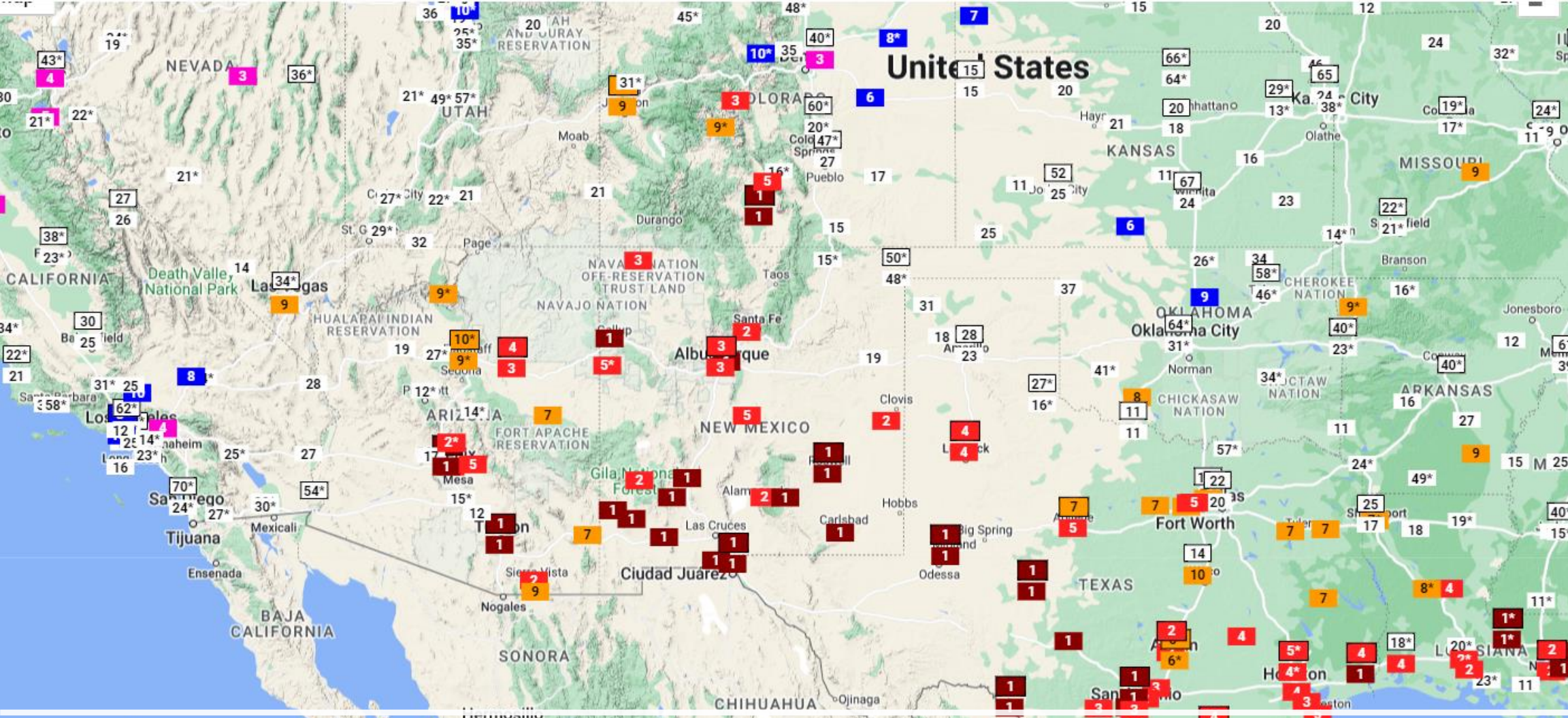
GEFS 500mb Geopotential Height & Anomaly (dam) (based on CFSR 1981-2010 Climatology)

Init: 18z Jul 16 2023 [Analysis] valid at 18z Sun, Jul 16 2023

TROPICALTIDBITS.COM



Observed Average Maximum Temperature for Jun 18 2023 to Jul 18 2023 (1014 stations)



Legend Rank

- Highest
- 2nd-5th
- 6th-10th
-
- 10th-6th
- 5th-2nd
- Lowest

* Indicates tied ranking

Learn more about how Climate Perspectives works [Click here](#)

For any problems, comments or suggestions, please [drop us a note](#)

Powered by ACIS
NOAA Regional Climate Centers



Multiple records broken across South/Southwest



Record Heat-Time Record Warm Low

119° 97° F

Multiple records
broken across state

*ties for the 4th highest temperature all-time
at Sky Harbor Airport
Last 119°: 6/20/17*

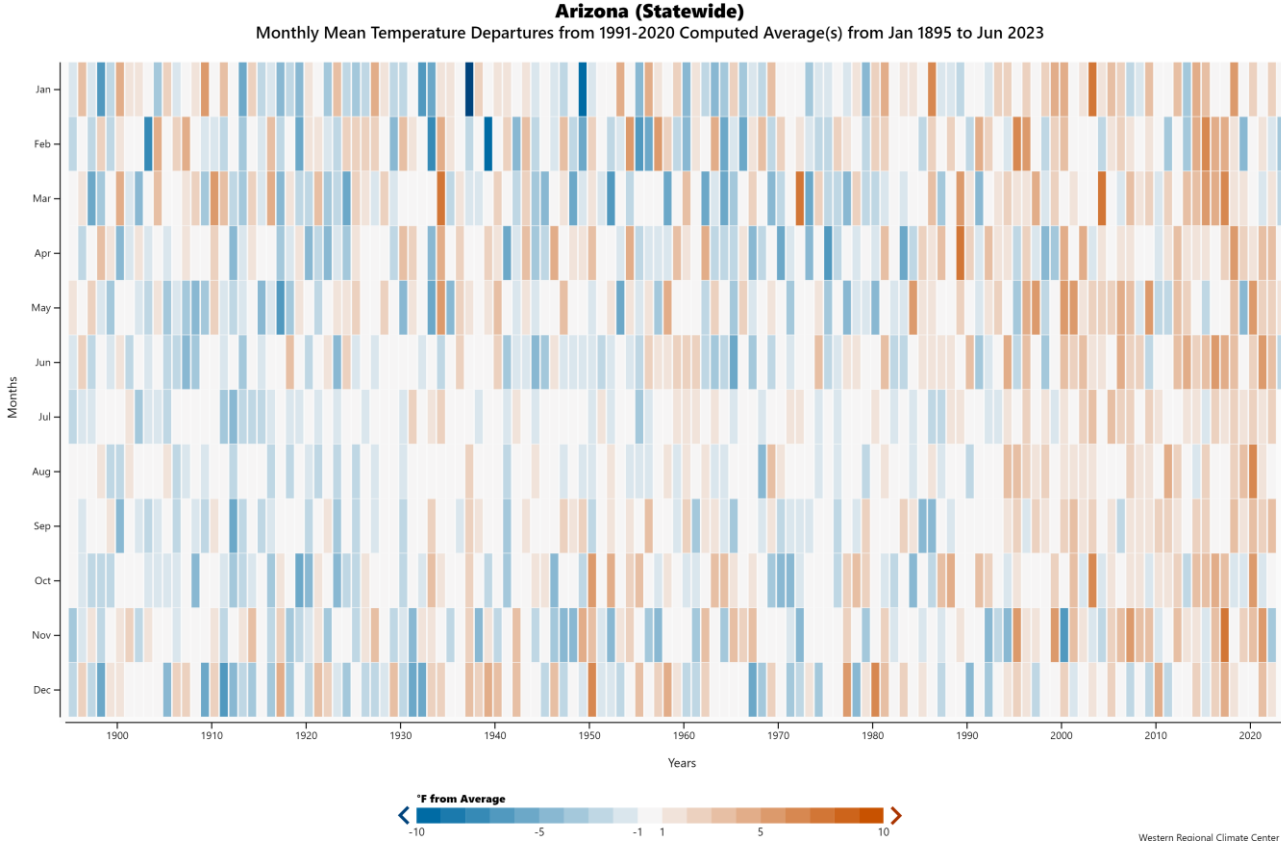
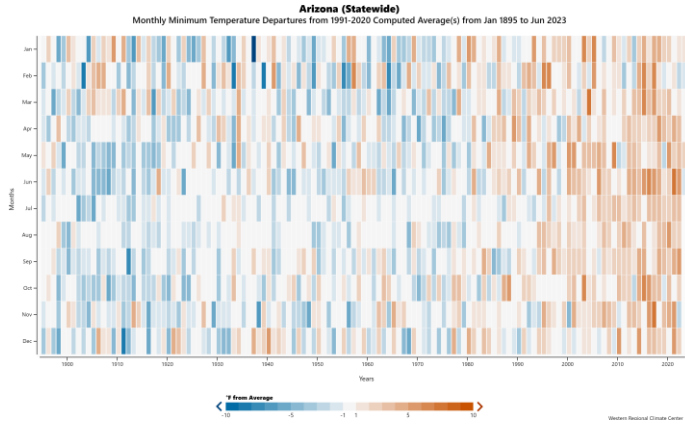
**This breaks the all-time record warm low*
previous record: 96°F set on July 15, 2003*
Period of Record (POR): 1896-2023**

July 19, 2023 - Phoenix, July 19, 2023 - Phoenix,



@NWSPhoenix

AZ has been warming at night (min temps)





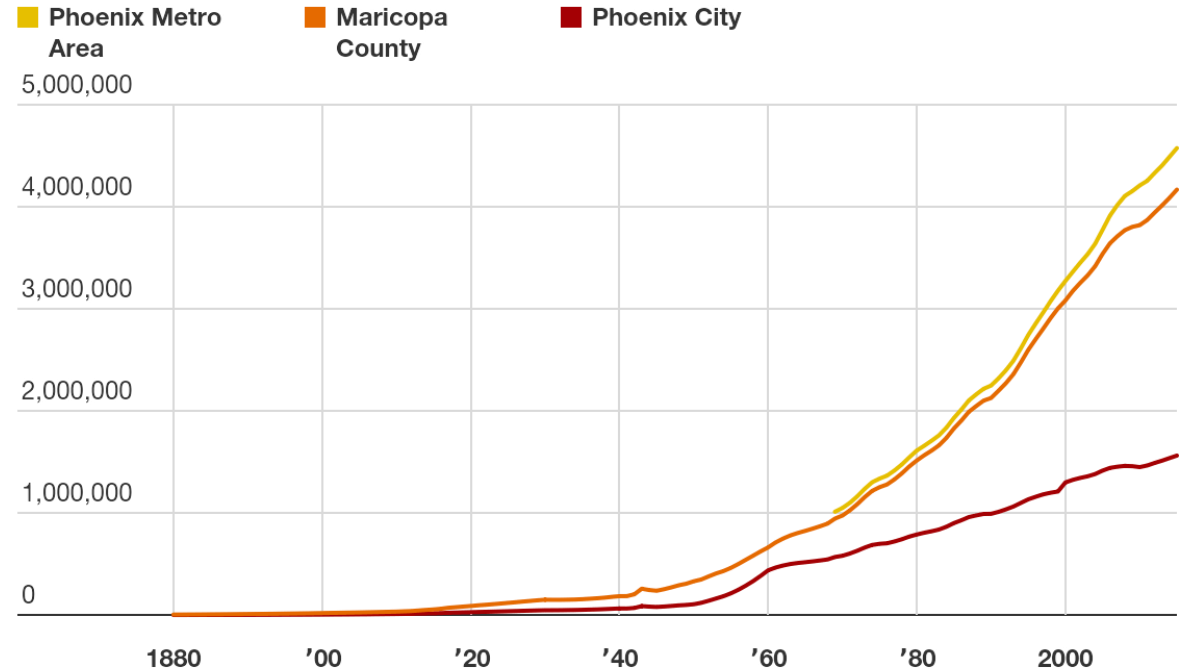
Camelback Mountain



Maricopa County is the hottest, most populous county in the country

Tucson/Phoenix/Flagstaff
Fastest growing urban corridor

Phoenix Historic Population



Albedo identifies how much sunlight is reflected from surface

parking lot



sidewalk

same location, same time
@AZStateClimate



shaded sidewalk



sidewalk



sandstone block

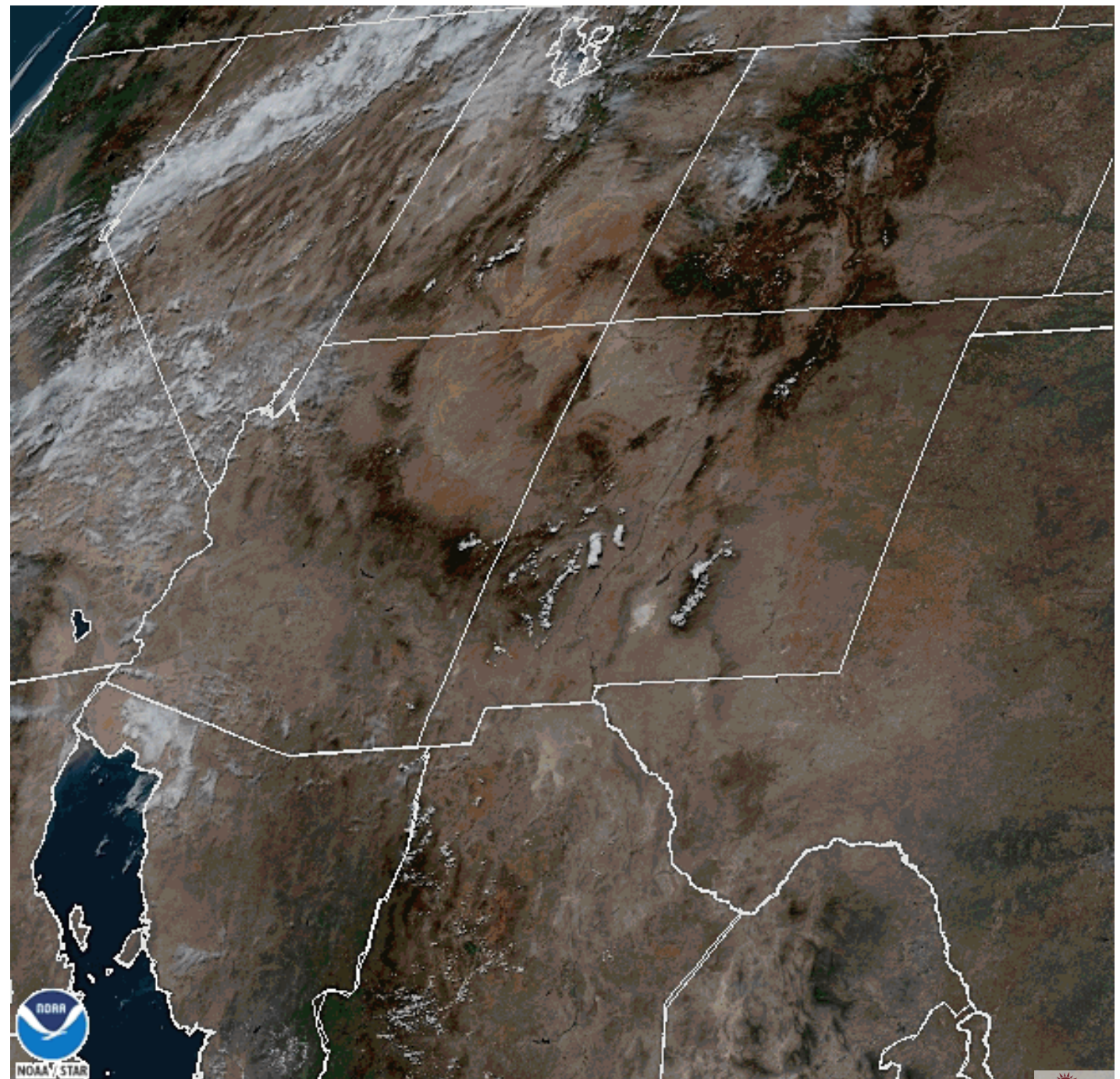


parking lot



Monsoon?

Still waiting for setup



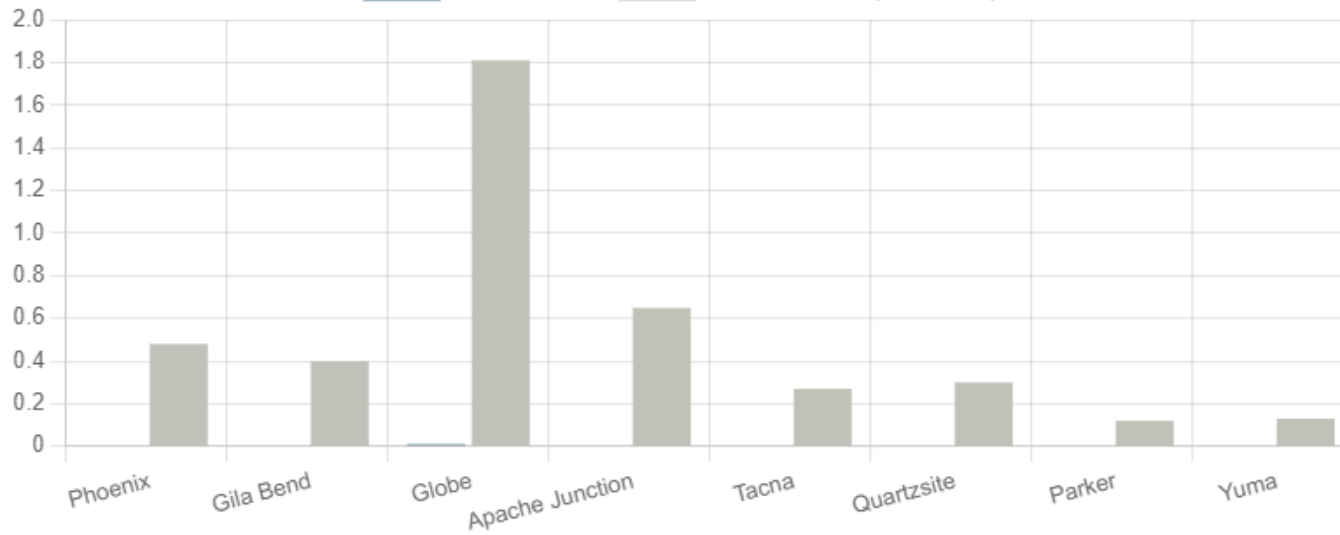
17 Jul 2023 17:36 NESDIS/STAR GOES-East GLM FED



2023 Monsoon Rainfall vs. Normal



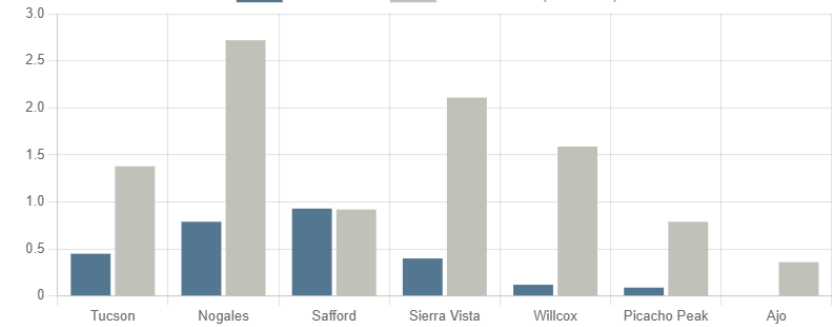
Actual Rainfall Normal Rainfall (1991-2020)



2023 Monsoon Rainfall vs. Normal



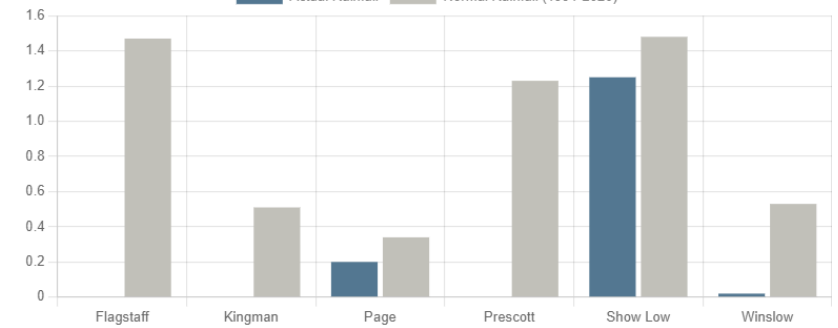
Actual Rainfall Normal Rainfall (1991-2020)



2023 Monsoon Rainfall vs. Normal



Actual Rainfall Normal Rainfall (1991-2020)

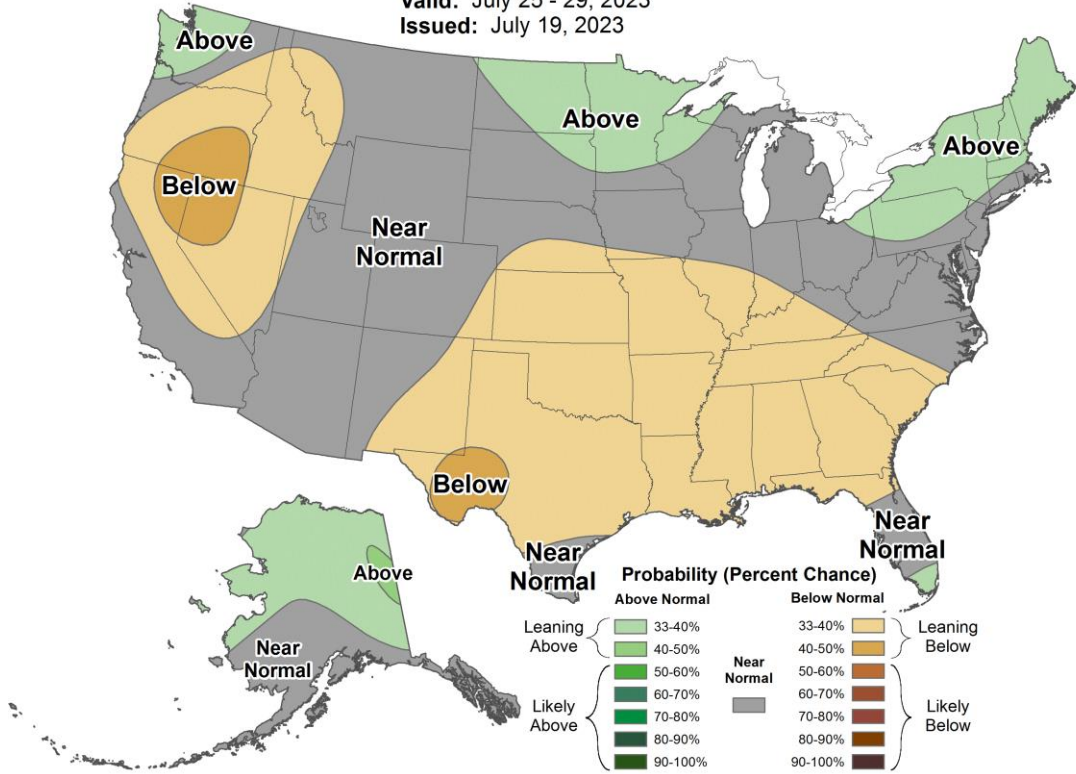




6-10 Day Precipitation Outlook



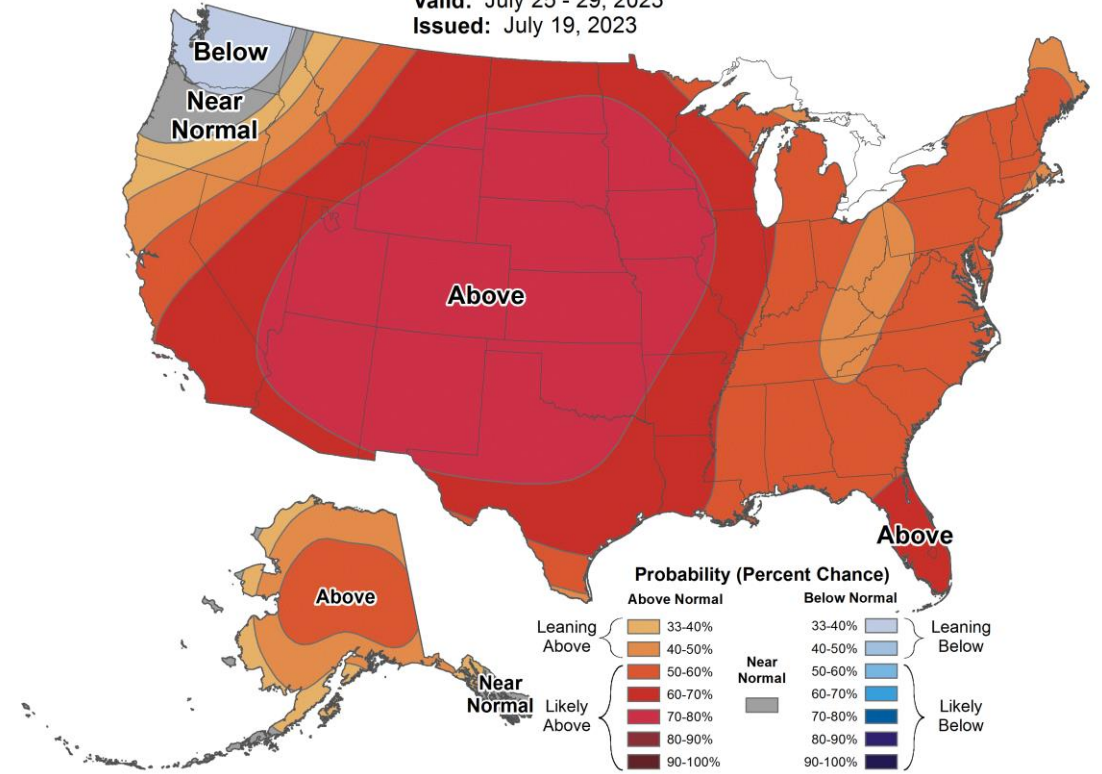
Valid: July 25 - 29, 2023
Issued: July 19, 2023



6-10 Day Temperature Outlook



Valid: July 25 - 29, 2023
Issued: July 19, 2023

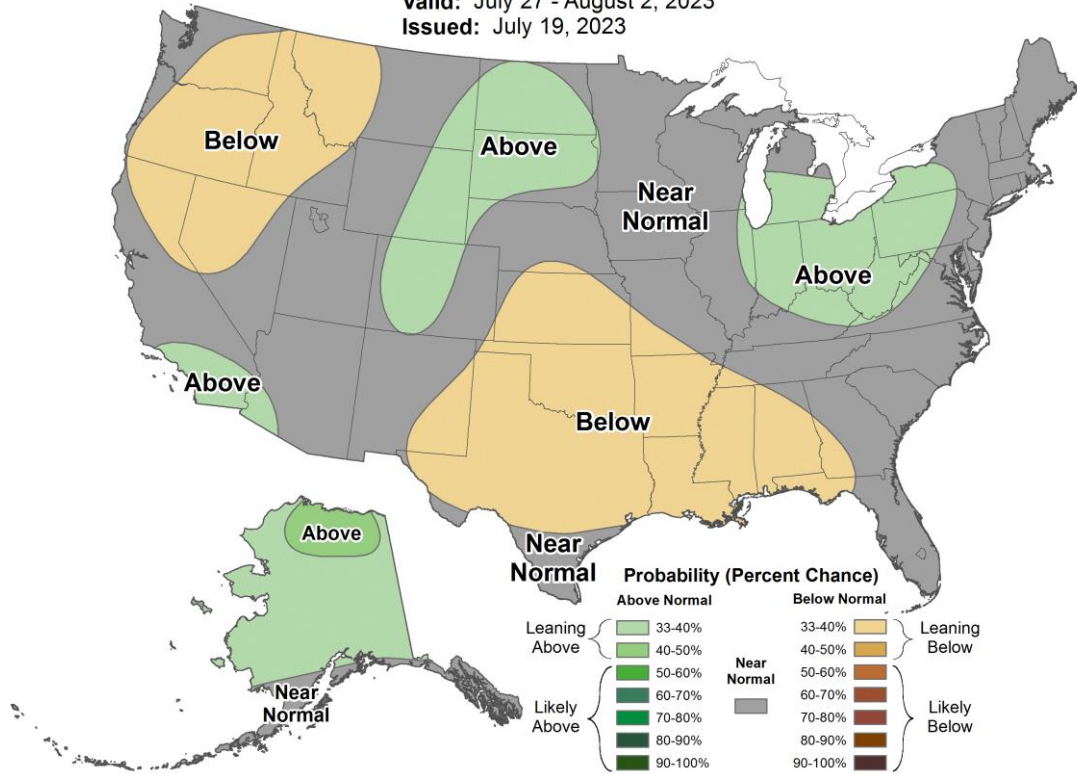




8-14 Day Precipitation Outlook



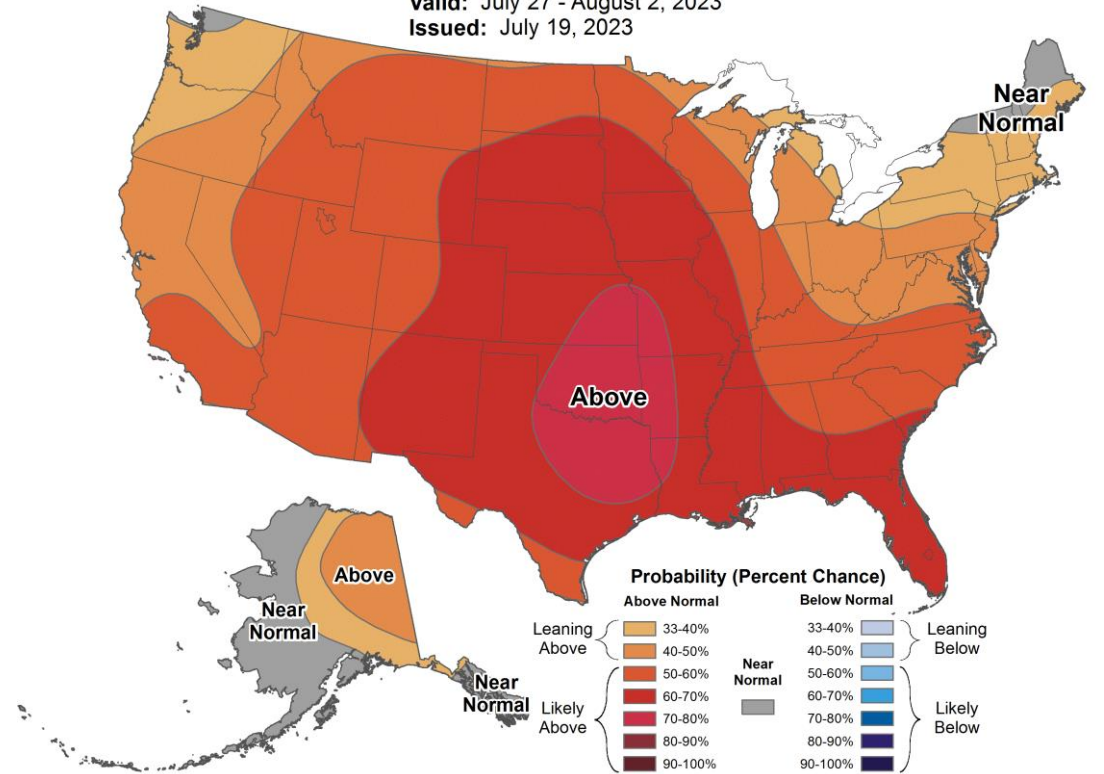
Valid: July 27 - August 2, 2023
Issued: July 19, 2023



8-14 Day Temperature Outlook

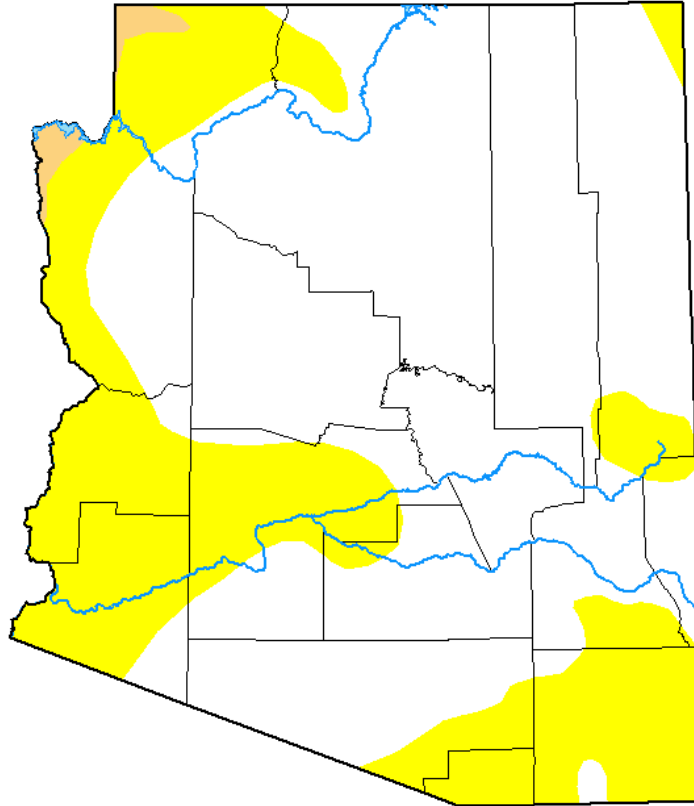


Valid: July 27 - August 2, 2023
Issued: July 19, 2023



Short-term drought degrading as monsoon delayed

U.S. Drought Monitor Arizona



July 18, 2023
(Released Thursday, Jul. 20, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	68.79	30.31	0.91	0.00	0.00	0.00
Last Week <i>07-11-2023</i>	83.69	15.41	0.91	0.00	0.00	0.00
3 Months Ago <i>04-18-2023</i>	82.05	16.49	1.46	0.00	0.00	0.00
Start of Calendar Year <i>01-03-2023</i>	12.40	48.66	31.09	7.85	0.00	0.00
Start of Water Year <i>09-27-2022</i>	0.00	43.28	38.25	18.47	0.00	0.00
One Year Ago <i>07-19-2022</i>	0.00	1.52	30.63	41.95	22.89	3.01

Intensity:



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:

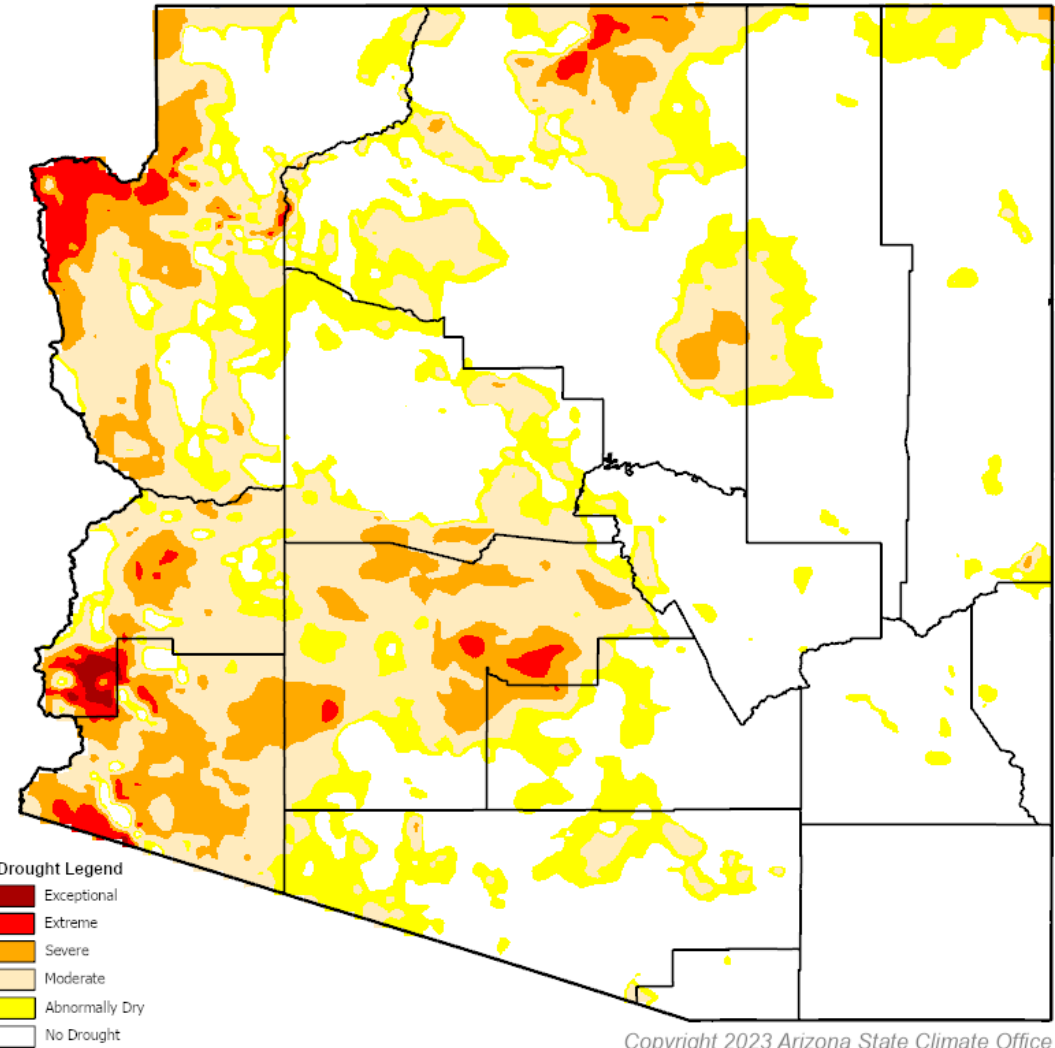
Richard Tinker
CPC/NOAA/NWS/NCEP



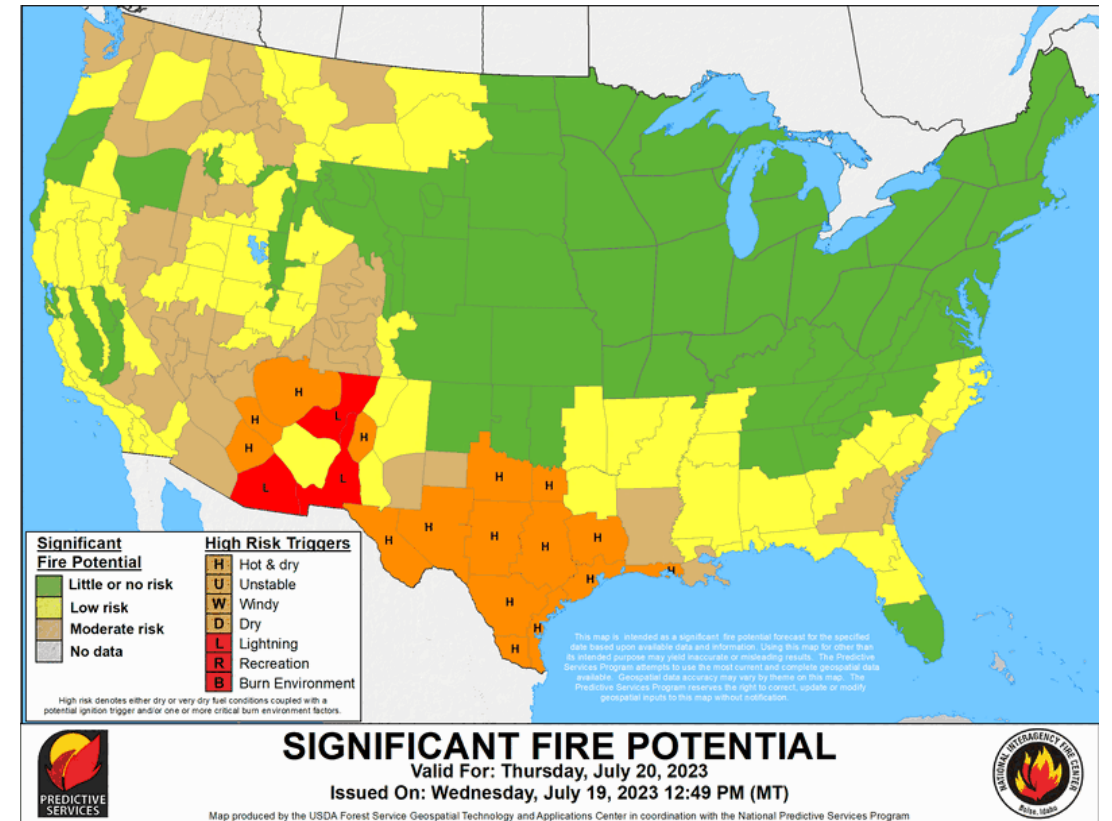
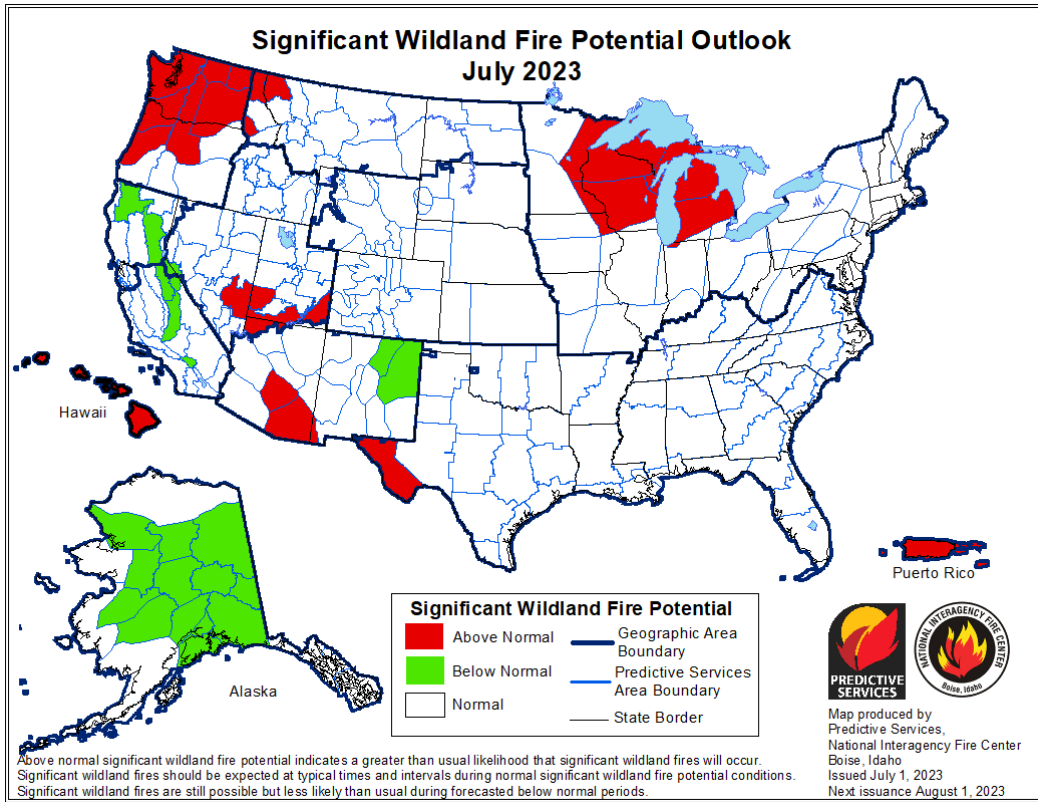
droughtmonitor.unl.edu

Long-term drought still improved from wet winter and 2 wet summers

June 2023



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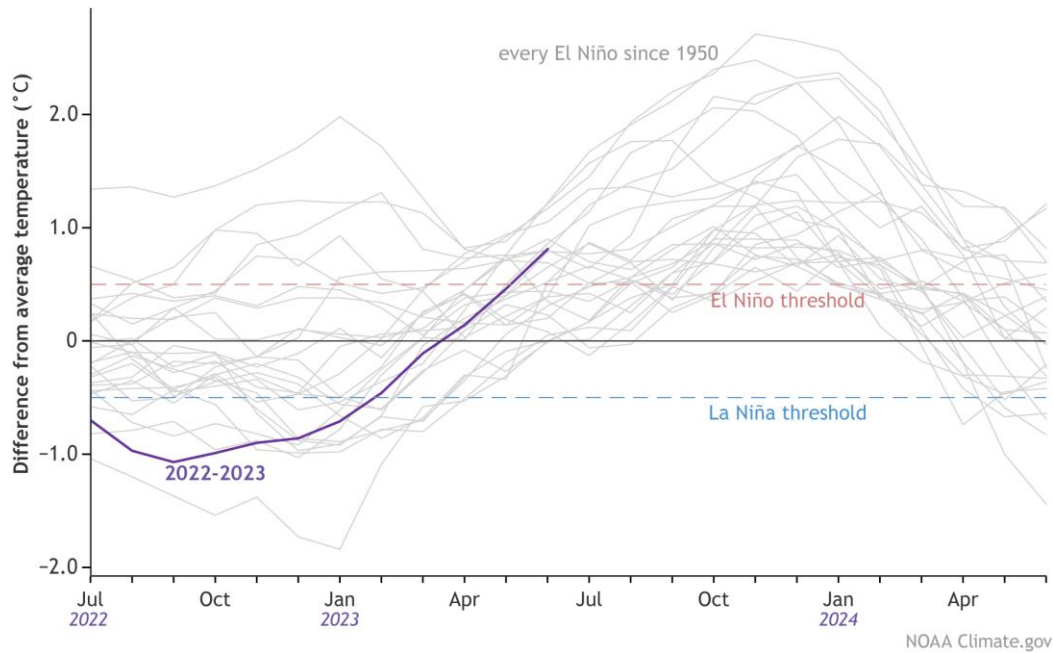


Significant fire potential for July

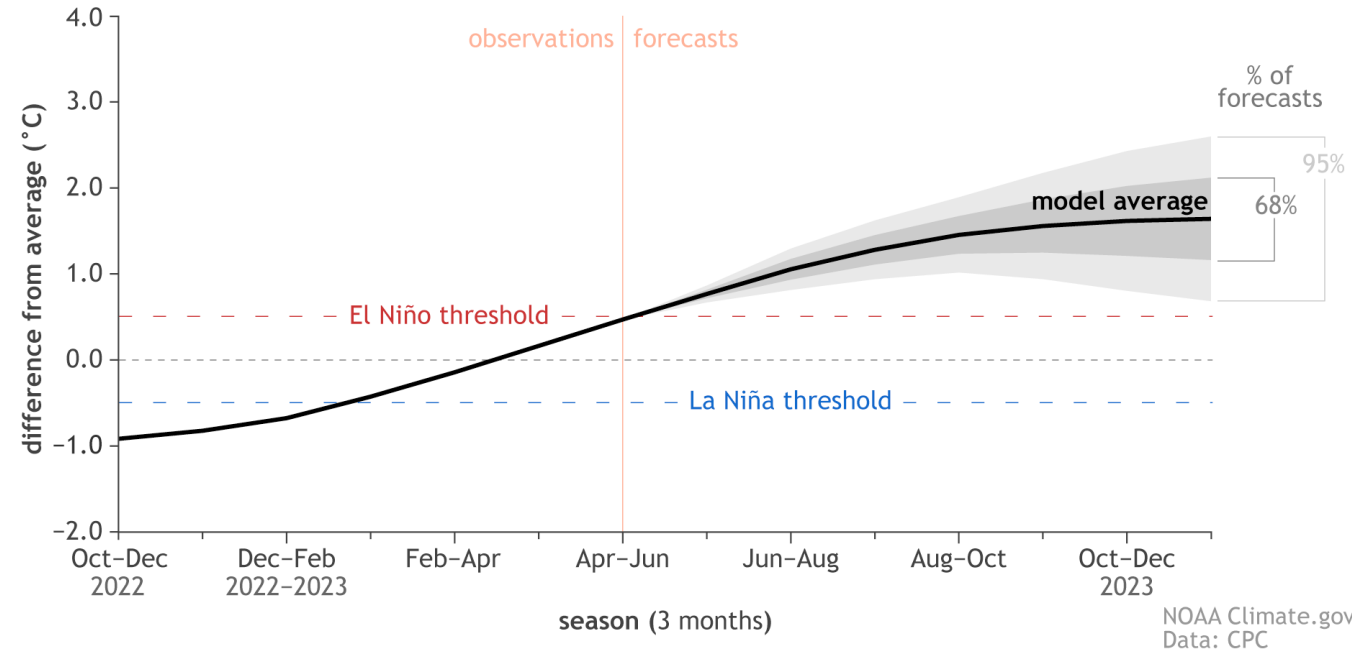
El Nino still on track



Monthly sea surface temperature Niño 3.4 Index values



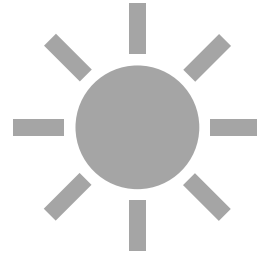
NMME seasonal forecasts, July 2023



Summary



Record-breaking temperatures
across the state



Monsoon still delayed



El Nino continues
strengthening