



Arizona Climate Summary

Summary of conditions for July 2024

July 2024 Summary

This July ranked as the 2nd warmest on record for Arizona, with La Paz, Mohave, and Yuma counties experiencing their hottest July and Coconino County tying with 2023 as its hottest July. A few cities, including Yuma and Kingman, also recorded their hottest July, while Phoenix, Tucson, Flagstaff, Winslow, and Prescott observed their 2nd warmest July. Although severe thunderstorms were reported in all counties throughout the month, the state received an average of 1.24 inches of precipitation, ranking as the 35th driest. For the water year to date (October-July), Arizona received 8.72 inches of precipitation, leading to an anomaly of -0.33 inches from the October-July average.

Monsoon activity affected a few locations from July 1-3, including Alpine (2.22 inches of precipitation), Tombstone (0.66 inches of precipitation), and Globe (0.27 inches of precipitation). On July 1, marble-sized hail (0.50 inches in diameter) was estimated near Superior. On July 2, an EF-1 tornado occurred 5 miles southeast of Tucson and lasted for about 10 minutes with peak winds around 100 mph. It traveled 3.25 miles, downing several large trees and causing minor roof damage. There were no injuries or fatalities.

A strong ridge of high pressure developed over the western United States on July 4, which brought excessive heat through July 13. Several high temperature records were broken, including Phoenix Sky Harbor on the 5th (118°F, previous record 116°F set in 1983), Kingman on the 6th (109°F, previous record 108°F set in 2017), Winslow on the 7th (105°F, previous record 104°F set in 2017), Nogales on the 8th (106°F, previous record 103°F set in 2020 & 2003), and Tucson on the 9th (111°F, previous record 110°F set in 1979) and 10th (110°F, previous record 109°F set in 2021, 2019, and 1979).

Light showers were observed at Coronado National Memorial (0.08 inches) and Tombstone (0.01 inches) on July 5. Five power lines fell into an intersection near Oro Valley, which resulted in car accidents with two injuries. On July 6, a dust devil in Williams generated winds ranging from about 40-50 mph. At the same time, a hot air balloon was being set up, which flew away and injured three people, caused a light pole to fall, and damaged two cars and a building's electrical equipment.

On July 9, Coronado National Memorial received 0.15 inches of precipitation. A wind gust of 79 mph was measured at Safford Airport, and blowing dust was reported on the I-10 near Kino Parkway, where visibility fell to about 1 mile. On July 10, nickel-sized hail (0.88 inches in diameter) was measured near the Prescott Courthouse, while marble-sized to quarter-sized hail (0.50 inches - 1.00 inches in diameter) was estimated near Prescott Love Field.

On July 11, Bisbee-Douglas received 0.12 inches of precipitation, Bellemont received 0.11 inches of precipitation, and Tucson received 0.09 inches of precipitation. Wind gusts over 70 mph were recorded at Kingman Airport (77 mph) and San Simon (73 mph). A dust storm was also reported near San Simon, where visibility fell to 50 yards, and around Picture Rocks, where visibility was near-zero. Quarter-sized hail (1.00 inches in diameter) was estimated near Tucson. Power poles fell near Marana, roof damage occurred near Three Points, and electrical equipment was damaged near Kearny, leading to a power outage that affected around 120 people.

Pea-sized to quarter-sized hail (0.25 inches - 1.00 inches in diameter) covered the ground near Williams on July 12, where 0.55 inches of precipitation also fell. A building near Young lost its roof and had damage to power lines and a hay shed due to a thunderstorm that produced 0.76 inches of rain in 75 minutes. A dust storm occurred on Highway 93 near Dolan Springs, where visibility dropped to 200 feet. On July 13, Carefree received 0.30 inches of precipitation, the Grand Canyon received 0.14 inches of precipitation, and a 73 mph wind gust was measured at Winslow Airport.

As the ridge of high pressure migrated over the Four Corners on July 14, additional monsoonal moisture streamed into the state. Deer Valley received 0.88 inches of precipitation, Bellemont received 0.57 inches of precipitation, Prescott received 0.51 inches of precipitation, Phoenix received 0.33 inches of precipitation, and Tucson received 0.11 inches of precipitation. Hail was observed near Cave Creek (about 0.50 inches in diameter), East Fork (0.50 inches in diameter), Strawberry (0.50 inches in diameter), Payson (0.50 inches - about 0.70 inches in diameter), Prescott Valley (0.75 inches in diameter), Vail (0.75 inches in diameter), and Lake Montezuma (about 1.50 inches in diameter). Areas west-northwest of Tucson also experienced 0.50 inch hail that accumulated to a depth of about 6 inches. Roof damage was reported near Picture Rocks, and a wall was blown off of a building near Tucson. Dust storms were observed near Sacaton (100 yards visibility), Arizona City (500 feet visibility), and Eloy (less than a quarter mile visibility). Swift water rescues occurred near Oro Valley, Tucson, and Dewey-Humboldt.

On July 15, Payson received 0.26 inches of precipitation and Robson Ranch received 0.13 inches of precipitation. Nickel-sized hail (0.88 inches in diameter) was measured near Downtown Flagstaff.

On July 16, Coronado National Memorial received 1.04 inches of precipitation and Natural Bridge State Park received 0.86 inches of precipitation. On July 17, Coronado National Memorial received 0.78 inches of precipitation and Payson received 0.08 inches of precipitation. Dime-sized hail (0.70 inches in diameter) was estimated near Prescott Country Club.

Locations that measured precipitation on July 18 include Tucson (0.57 inches), Payson (0.24 inches), and Sedona (0.07 inches). Pea-sized hail (0.25 inches in diameter) was estimated near Claypool.

On July 19, Natural Bridge State Park received 0.85 inches of precipitation, Saint Johns received 0.52 inches of precipitation, and Williams received 0.45 inches of precipitation. On July 20, Saint Johns received 0.55 inches of precipitation, Bright Angel received 0.03 inches of precipitation, and Tucson received 0.02 inches of precipitation.

On July 21, Alpine received 1.11 inches of precipitation, Springerville received 0.87 inches of precipitation, and Prescott received 0.46 inches of precipitation. Penny-sized hail (0.75 inches in diameter) was measured near Prescott Valley, where roof damage was also reported along with a destroyed building. Dust storms occurred near Waddell, Citrus Park, Buckeye Municipal Airport, Tonopah, Gila Bend, and Goodyear, where visibility fell to a quarter of a mile. In areas near Tucson, about 1800 people were affected by a power outage, a swift water rescue occurred, and damage was reported to a few homes.

On July 22, Window Rock received 0.38 inches of precipitation, Williams received 0.33 inches of precipitation, Kingman received 0.32 inches of precipitation, and Carefree received 0.14 inches of precipitation. Nickel-sized hail (0.88 inches in diameter) was measured near Colorado City, which caused tree damage. Areas that received rain on July 23 include the Grand Canyon (0.08 inches), Williams (0.05 inches), and Tucson (trace). Marble-sized hail (0.50 inches in diameter) was measured near Fort Valley.

Many microbursts occurred throughout the Phoenix Metro Area on the evening of July 24, with radar estimates of wind speeds between 70-80 mph. Rain gauges from the Flood Control District of Maricopa County measured rainfall amounts from 0.04 inches to 0.71 inches, with the highest amount occurring near Sunburst Paradise Park. Pea-sized to dime-sized hail (0.25 inches to 0.70 inches in diameter) was observed near Phoenix. Solar panels were taken off of several commercial buildings, large trees (60-80 feet tall) were uprooted, and semi-trucks fell onto their sides. A large warehouse located near N 47th Ave and W Van Buren St completely collapsed, resulting in one fatality.

A storm spotter reported a rainfall amount of 2.00 inches that fell in 45 minutes near Escudilla Mountain in Apache County on July 25. Other locations that observed rain include Tucson (1.83 inches, breaking the previous record of 1.50 inches set in 2021), Flagstaff (1.01 inches), and Sedona (0.46 inches). A power pole fell near Papago Assembly of God Church in Sells, while in Tucson, a tree and multiple power lines and poles fell, and several swift water rescues occurred.

A few locations received over an inch of rain on July 26, including Apache Junction (1.60 inches), Alpine (1.46 inches), and Picacho (1.10 inches). Marble-sized hail (0.50 inches in diameter) was estimated near Downtown Flagstaff, and a landspout tornado was observed near Snowflake.

The town of Saint Johns experienced a heavy rainfall event (1.04 inches) on July 27, leading to flooding in streets and in several homes. Other rainfall amounts include 0.60 inches in Springerville, 0.43 inches in both Tucson and Robson Ranch, and 0.38 inches at Coronado National Memorial. A storm spotter near Sierra Vista reported 2.57 inches of rain that fell in 50 minutes. Quarter-sized hail (1.00 inches in diameter) was measured in Snowflake, and blowing dust was reported near Maricopa, where visibility fell to half of a mile.

On July 28, Coronado National Memorial received 0.36 inches of precipitation and Springerville received 0.15 inches of precipitation. Dime-sized hail (0.70 inches in diameter) was observed near Sierra Vista, while quarter-sized hail (1.00 inches) and a downed power pole was reported near Willcox.

Severe weather in Bisbee on July 29 resulted in a power outage affecting 50 people, a 12' x 20' metal gazebo to get blown down, and a 20' x 20' cement wall to collapse due to heavy rain. Other locations that received rain include Alpine (1.59 inches), Bisbee-Douglas (0.35 inches), and Picacho (0.05 inches).

On July 30, Coronado National Memorial received 1.08 inches of precipitation and Alpine received 0.01 inches of precipitation. A dust storm occurred at Yuma Proving Ground, where visibility fell to 0.08 of a mile. On July 31, Tucson received 0.10 inches of precipitation and Bisbee-Douglas received 0.03 inches of precipitation. Areas near Queen Creek observed a dust storm, power lines and poles fell near Fortuna Foothills, and three power poles snapped near Yuma.

Data are preliminary and are from NOAA/NCEI, the Northeast Regional Climate Center, the Southeast Regional Climate Center, and the National Weather Service Forecast Offices in Flagstaff, Phoenix, Tucson, and Las Vegas.

Note: Weather stations across the state have different reporting times. Official daily temperature and precipitation values are recorded at the airports from midnight to midnight, while statewide observations are taken at varying times throughout the day.

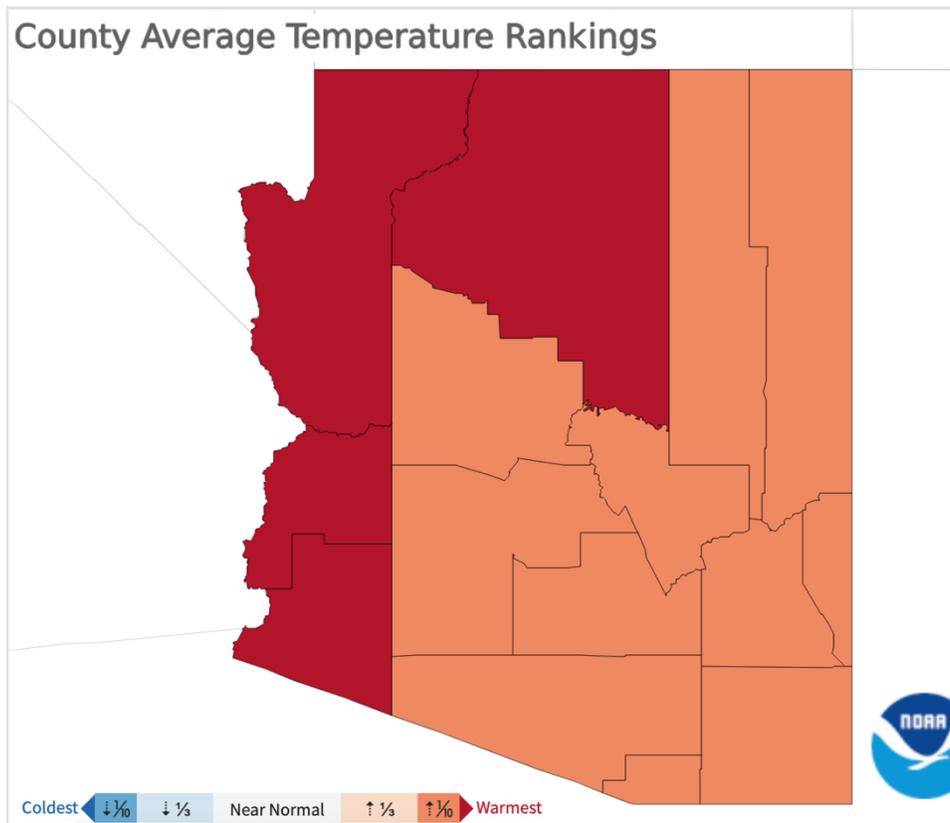
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AMERICAN ASSOCIATION OF
STATE CLIMATOLOGISTS

Statewide Average, Maximum, Minimum Temperature and Total Precipitation, per County

July 2024



The average state temperature for July was 84.8°F, ranking as the 2nd warmest July within the period of record. The 1895-2024 mean average state temperature for July was 80.1°F, resulting in an anomaly of +4.7°F.

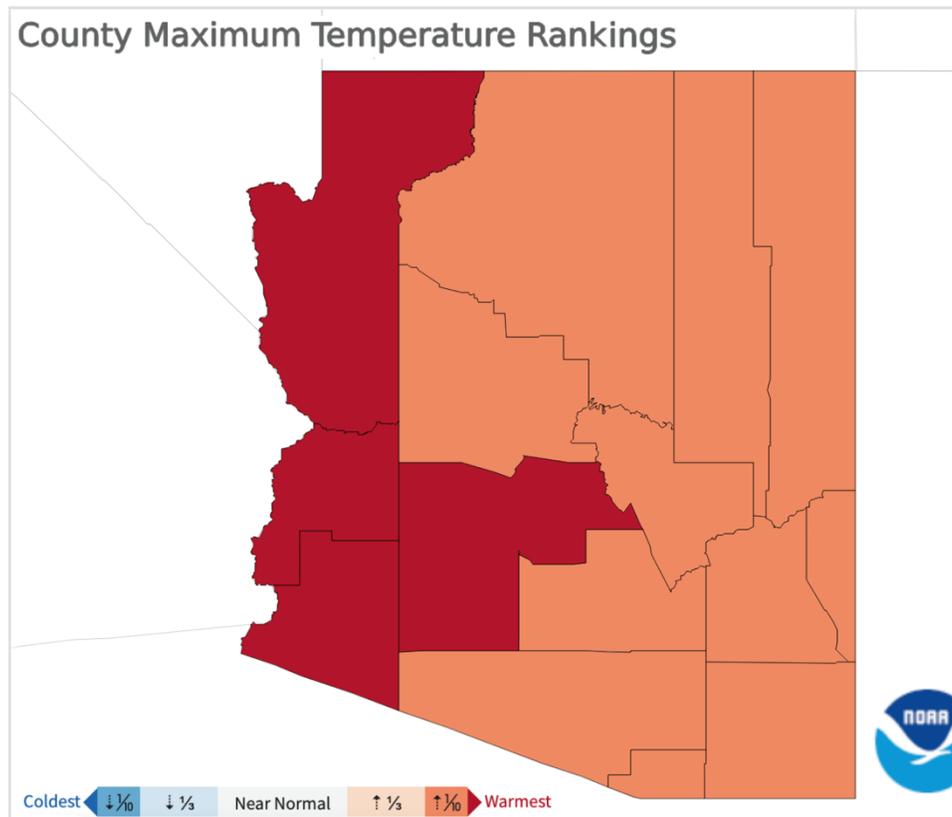
County	Average Temperature	Rank (130 Years)	Anomaly From the 1895-2024 mean
Apache	74.1°F	4 th warmest	+2.7°F
Cochise	81.9°F	2 nd warmest	+3.6°F
Coconino	78.6°F	Warmest (tied with 2023)	+4.9°F
Gila	82.8°F	2 nd warmest	+4.4°F
Graham	83.4°F	2 nd warmest	+4.0°F
Greenlee	77.9°F	3 rd warmest	+3.4°F
La Paz	97.8°F	Warmest	+6.0°F
Maricopa	95.5°F	2 nd warmest	+5.7°F
Mohave	89.0°F	Warmest	+5.7°F
Navajo	77.6°F	3 rd warmest	+4.1°F
Pima	89.9°F	2 nd warmest	+4.6°F
Pinal	92.3°F	2 nd warmest	+4.6°F
Santa Cruz	80.6°F	3 rd warmest	+3.8°F
Yavapai	83.5°F	2 nd warmest	+5.0°F
Yuma	97.0°F	Warmest	+5.9°F

Period of record: 1895-2024

Data are from the National Centers for Environmental Information and are preliminary.

Statewide Average, Maximum, Minimum Temperature and Total Precipitation, per County

July 2024



The average maximum state temperature for July was 99.9°F, ranking as the 2nd warmest July within the period of record. The 1895-2024 mean maximum state temperature for July was 94.2°F, resulting in an anomaly of +5.7°F.

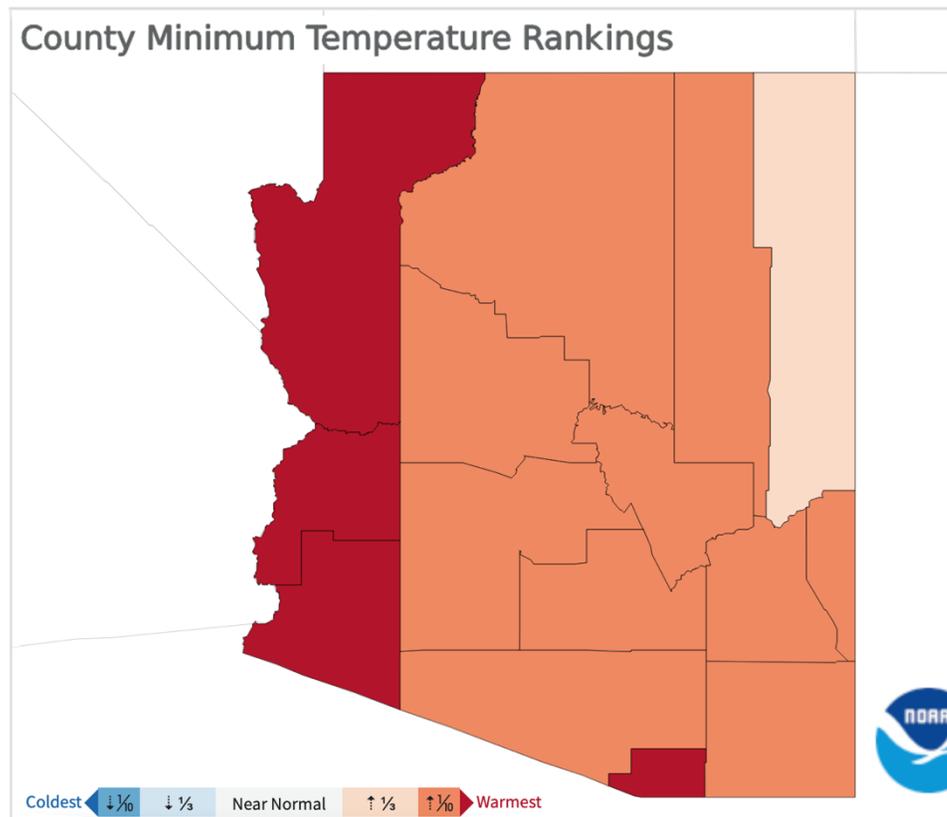
County	Maximum Temperature	Rank (130 Years)	Anomaly From the 1895-2024 mean
Apache	90.1°F	4 th warmest	+4.1°F
Cochise	96.5°F	3 rd warmest	+4.7°F
Coconino	95.1°F	2 nd warmest	+6.2°F
Gila	97.8°F	2 nd warmest	+5.5°F
Graham	97.3°F	3 rd warmest	+5.0°F
Greenlee	92.1°F	3 rd warmest	+4.7°F
La Paz	111.3°F	Warmest	+6.1°F
Maricopa	109.8°F	Warmest (tied with 2023)	+6.5°F
Mohave	103.1°F	Warmest	+6.3°F
Navajo	94.0°F	3 rd warmest	+5.6°F
Pima	104.6°F	2 nd warmest	+5.8°F
Pinal	105.4°F	2 nd warmest	+4.6°F
Santa Cruz	94.2°F	5 th warmest	+4.4°F
Yavapai	99.5°F	2 nd warmest	+6.4°F
Yuma	111.7°F	Warmest	+6.8°F

Period of record: 1895-2024

Data are from the National Centers for Environmental Information and are preliminary.

Statewide Average, Maximum, Minimum Temperature and Total Precipitation, per County

July 2024



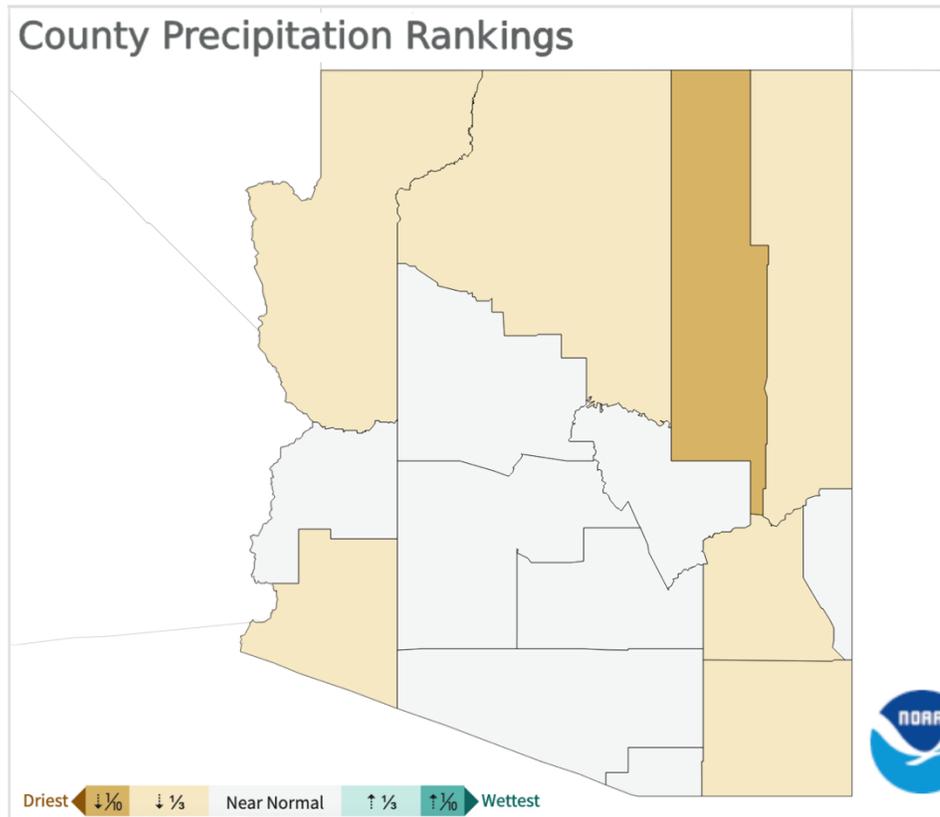
The average minimum state temperature for July was 69.6°F, ranking as the 2nd warmest July within the period of record. The 1895-2024 mean minimum state temperature for July was 66.0°F, resulting in an anomaly of +3.6°F.

County	Minimum Temperature	Rank (130 Years)	Anomaly From the 1895-2024 mean
Apache	58.0°F	32 nd warmest	+1.2°F
Cochise	67.4°F	3 rd warmest	+2.6°F
Coconino	62.0°F	2 nd warmest	+3.4°F
Gila	67.7°F	4 th warmest	+3.3°F
Graham	69.4°F	2 nd warmest	+2.9°F
Greenlee	63.6°F	8 th warmest	+2.1°F
La Paz	84.3°F	Warmest	+5.9°F
Maricopa	81.2°F	2 nd warmest	+4.9°F
Mohave	74.8°F	Warmest	+5.1°F
Navajo	61.3°F	6 th warmest	+2.7°F
Pima	75.3°F	2 nd warmest	+3.5°F
Pinal	79.2°F	2 nd warmest	+4.7°F
Santa Cruz	67.0°F	Warmest	+3.1°F
Yavapai	67.4°F	4 th warmest	+3.5°F
Yuma	82.2°F	Warmest	+4.9°F

Period of record: 1895-2024

Statewide Average, Maximum, Minimum Temperature and Total Precipitation, per County

July 2024



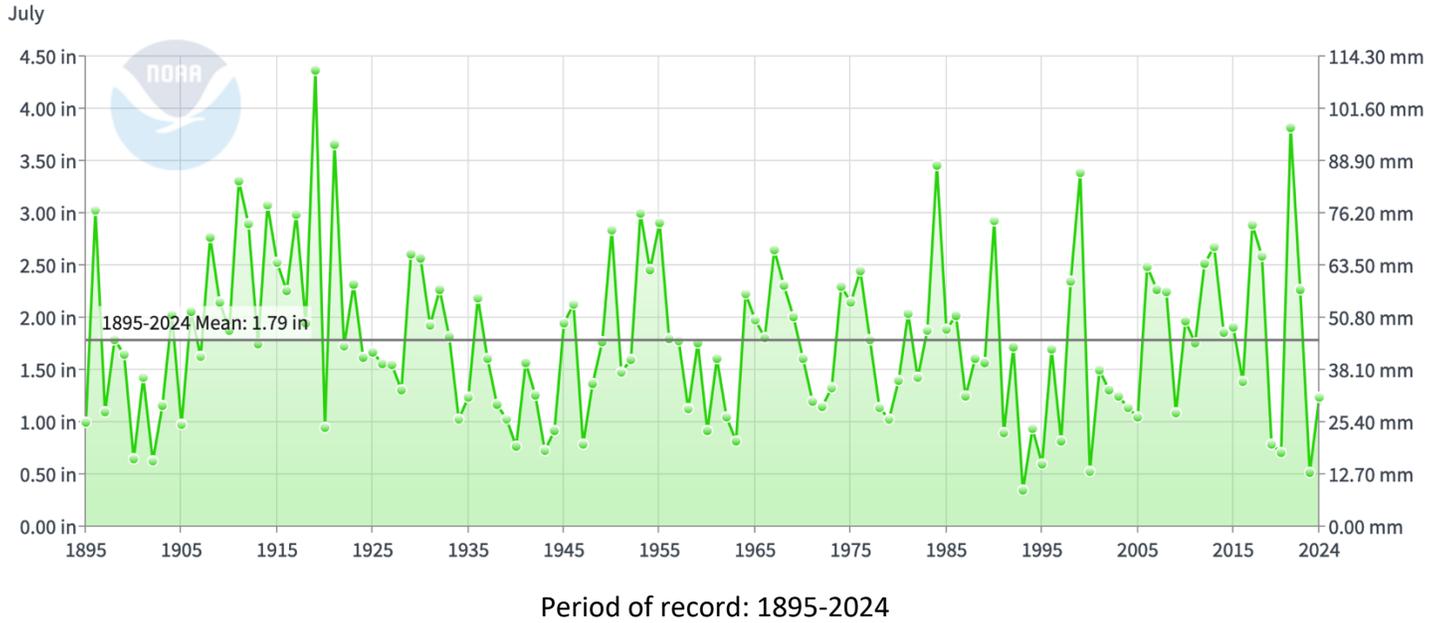
The average state precipitation for July was 1.24 inches, ranking as the 35th driest July within the period of record. The 1895-2024 mean state precipitation for July was 1.79 inches, resulting in an anomaly of -0.55 inches.

County	Precipitation	Rank (130 Years)	Anomaly From the 1895-2024 mean
Apache	1.36"	36 th driest	-0.57"
Cochise	2.36"	33 rd driest	-0.88"
Coconino	0.84"	21 st driest	-0.86"
Gila	2.05"	44 th driest	-0.49"
Graham	1.39"	20 th driest	-1.23"
Greenlee	2.66"	60 th driest	-0.22"
La Paz	0.40"	50 th driest	-0.23"
Maricopa	1.10"	49 th wettest	+0.05"
Mohave	0.61"	34 th driest	-0.53"
Navajo	0.61"	13 th driest	-1.10"
Pima	2.20"	64 th wettest	-0.17"
Pinal	1.73"	57 th wettest	-0.04"
Santa Cruz	3.60"	44 th driest	-0.85"
Yavapai	1.70"	57 th driest	-0.28"
Yuma	0.09"	17 th driest	-0.41"

Period of record: 1895-2024

July Statewide Precipitation (1895 to date)

Arizona Precipitation



This chart shows average Arizona precipitation each July through the period of record (1895 to present). July 2024 ranked as the 35th driest with an average of 1.24 inches, which is 0.55 inches below the 1895-2024 average of 1.79 inches.

Flagstaff Climate Statistics

July 2024

This ranked as the 2nd warmest July on record (9/10/1898 to present). With 1.88 inches of precipitation, it ranked as the 39th driest July on record.

Avg Max Temp: 87.4°F Normal: 82.0°F
Avg Min Temp: 53.7°F Normal: 51.4°F
Avg Mean Temp: 70.5°F Normal: 66.7°F

Highest Monthly Avg Temp: 71.4°F in 2023
Lowest Monthly Avg Temp: 61.1°F in 1912

Highest Temp this month: 94°F on 7th, 10th
Lowest Temp this month: 45°F on 6th

Record High: 97°F on 7/5/1973

Record Low: 32°F on 7/8/1955

7/7/1955

7/5/1955

Temperature or precipitation records this month:

HiMax: 94°F on 7/7/2024,
previous record 92°F on 7/7/1905

HiMax: 93°F on 7/8/2024,
previous record 92°F on 7/8/2002

HiMax: 92°F on 7/11/2024,
tying the record set on 7/11/2003, 7/11/1958

HiMin: 61°F on 7/14/2024,
tying the record set on 7/14/2023 and other years

Flagstaff Number of Days of:

Minimum Temp 32°F or lower 0

Minimum Temp 0°F or lower 0

Maximum Temp 90°F or higher 10

Maximum Temp 32°F or lower 0

Heating Degree Days: 0 Normal: 23
Cooling Degree Days: 179 Normal: 76
Degree base 65°F

Total July Precipitation: 1.88''
Normal July Precipitation: 2.61''
Departure from Normal: -0.73''
Greatest 24-Hr Precip: 1.01'' on 25th

Total Precipitation Year-to-Date: 12.75''
Departure from Normal: +2.08''
Total Precip Year-to-Date (Last Year): 18.59''

Greatest July Precipitation: 7.58'' in 1919
Least July Precipitation: 0.00'' in 1993

Number of Days:

Clear 25

Partly Cloudy 6

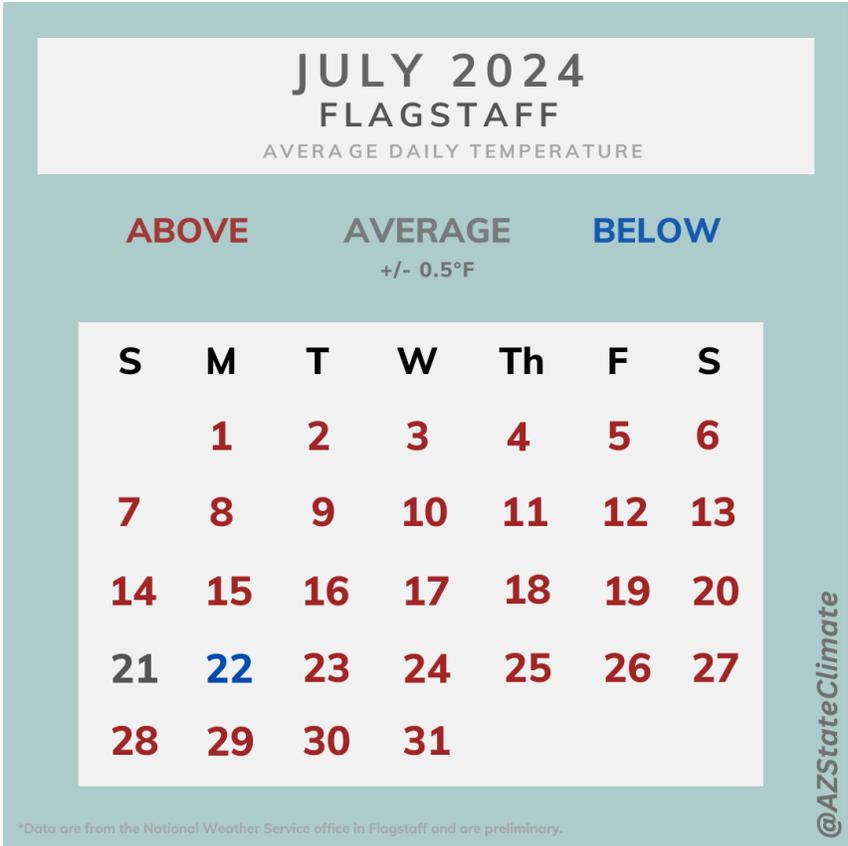
Cloudy 0

Average Wind Speed: 5.6 mph

Highest Peak Gust: 41 mph from 230° on 27th

Data are from NOAA, the Northeast Regional Climate Center, and the Southeast Regional Climate Center and are **preliminary**.

Normals on this page are from 1991-2020



Flagstaff recorded 29 days of above average temperatures, 1 day of average temperatures, and 1 day of below average temperatures this month.

Phoenix Climate Statistics

July 2024

This ranked as the 2nd warmest July on record (8/6/1895 to present). With 0.38 inches of precipitation, it ranked as the 45th driest July on record.

Avg Max Temp: 112.3°F Normal: 106.5°F
Avg Min Temp: 89.8°F Normal: 84.5°F
Avg Mean Temp: 101.1°F Normal: 95.5°F

Highest Monthly Avg Temp: 102.7°F in 2023
Lowest Monthly Avg Temp: 85.4°F in 1912

Highest Temp this month: 118°F on 5th, 8th
Lowest Temp this month: 82°F on 25th, 26th

Record High: 121°F on 7/28/1995
Record Low: 63°F on 7/5/1912, 7/4/1912

Temperature or precipitation records this month:
On next page

Phoenix Number of Days of:
Minimum Temp 32°F or lower 0
Minimum Temp 0°F or lower 0
Maximum Temp 90°F or higher 31
Maximum Temp 32°F or lower 0

Heating Degree Days: 0 Normal: 0
Cooling Degree Days: 1125 Normal: 945
Degree base 65°F

Total July Precipitation: 0.38''
Normal July Precipitation: 0.91''
Departure from Normal: -0.53''
Greatest 24-Hr Precip: 0.33'' on 14th

Total Precipitation Year-to-Date: 4.19''
Departure from Normal: +0.34''
Total Precip Year-to-Date (Last Year): 2.88''

Greatest July Precipitation: 6.47'' in 1911
Least July Precipitation: 0.00'' in 2023
and 2 other years

Number of Days:
Clear 11
Partly Cloudy 20
Cloudy 0

Average Wind Speed: 8.4 mph
Highest Peak Gust: 51 mph from 190° on 11th

Data are from NOAA, the Northeast Regional Climate Center, and the Southeast Regional Climate Center and are **preliminary**.

Normals on this page are from 1991-2020

Phoenix temperature or precipitation records this month:

HiMax: 118°F on 7/5/2024,
previous record 116°F on 7/5/1983

HiMax: 118°F on 7/8/2024,
previous record 115°F on 7/8/1985

HiMax: 116°F on 7/9/2024,
tying the record set on 7/9/1958

HiMax: 115°F on 7/10/2024,
tying the record set on 7/10/1958, 7/10/1934

HiMax: 116°F on 7/12/2024,
tying the record set on 7/12/2020

HiMin: 92°F on 7/2/2024,
previous record 90°F on 7/2/2010, 7/2/2006

HiMin: 93°F on 7/3/2024,
previous record 92°F on 7/3/2001

HiMin: 91°F on 7/4/2024,
tying the record set on 7/4/2013, 7/4/1973

HiMin: 93°F on 7/5/2024,
previous record 91°F on 7/5/1996

HiMin: 92°F on 7/7/2024,
previous record 91°F on 7/7/2018 and other years

HiMin: 92°F on 7/10/2024,
previous record 91°F on 7/10/2023 and other years

HiMin: 93°F on 7/20/2024,
tying the record set on 7/20/2023 and other years



This month, Phoenix observed 30 days of above average temperatures and 1 day of average temperatures.

Tucson Climate Statistics

July 2024

This ranked as the 2nd warmest July on record (9/1/1894 to present). With 3.41 inches of precipitation, it ranked as the 26th wettest July on record.

Avg Max Temp: 105.0°F Normal: 100.2°F
Avg Min Temp: 78.3°F Normal: 76.3°F
Avg Mean Temp: 91.6°F Normal: 88.2°F

Highest Monthly Avg Temp: 94.2°F in 2023
Lowest Monthly Avg Temp: 81.6°F in 1912*

Highest Temp this month: 112°F on 8th
Lowest Temp this month: 70°F on 25th

Record High: 114°F on 7/28/1995, 7/4/1989
Record Low: 49°F on 7/3/1911

Temperature or precipitation records this month:
HiMax: 111°F on 7/5/2024,
tying the record set on 7/5/2018 and other years

HiMax: 112°F on 7/8/2024,
previous record 111°F on 7/8/1994, 7/8/1920

HiMax: 111°F on 7/9/2024,
previous record 110°F on 7/9/1979

HiMax: 110°F on 7/10/2024,
previous record 109°F on 7/10/2021 and other years

Precip: 1.83'' on 7/25/2024,
previous record 1.50'' on 7/25/2021

Tucson Number of Days of:

Minimum Temp 32°F or lower	0
Minimum Temp 0°F or lower	0
Maximum Temp 90°F or higher	31
Maximum Temp 32°F or lower	0

Heating Degree Days:	0	Normal:	0
Cooling Degree Days:	834	Normal:	721

Degree base 65°F

Total July Precipitation:	3.41''
Normal July Precipitation:	2.21''
Departure from Normal:	+1.20''
Greatest 24-Hr Precip:	1.83'' on 25 th

Total Precipitation Year-to-Date:	9.77''
Departure from Normal:	+4.65''
Total Precip Year-to-Date (Last Year):	5.54''

Greatest July Precipitation:	8.06'' in 2021
Least July Precipitation:	0.04'' in 1995

Number of Days:

Clear	28
Partly Cloudy	0
Cloudy	3

Average Wind Speed: 7.5 mph
Highest Peak Gust: 55 mph from 110° on 25th

Data are from NOAA, the Northeast Regional Climate Center, and the Southeast Regional Climate Center and are **preliminary**.

Normals on this page are from 1991-2020

*Missing data on 7/4/1912

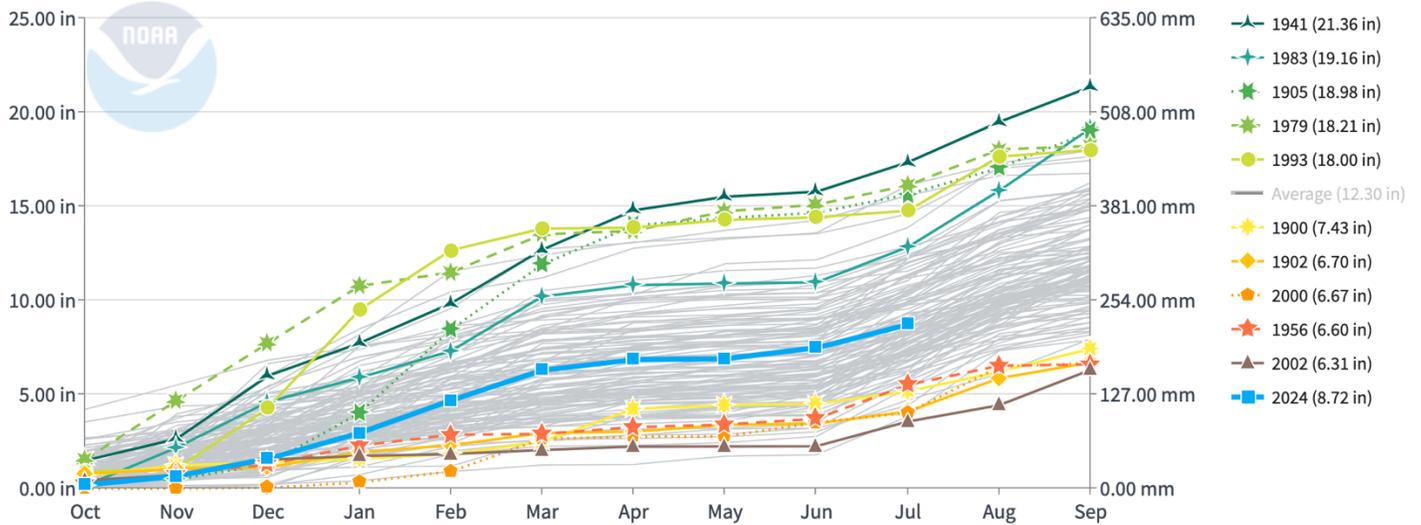


Tucson measured 24 days of above average temperatures, 4 days of average temperatures, and 3 days of below average temperatures this month.

Cumulative Statewide Precipitation per Water Year (Oct 2023-Sept 2024)

Arizona

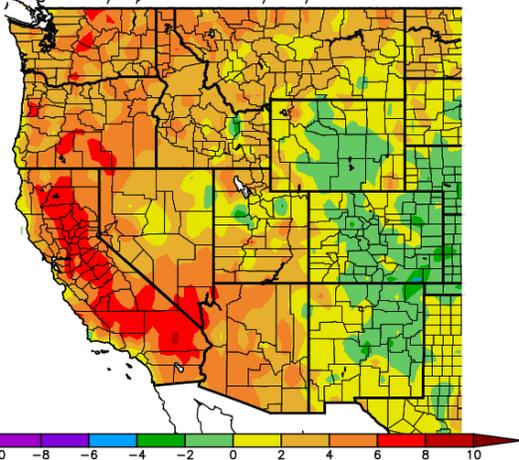
October-September Precipitation



The average state cumulative Water Year precipitation was 8.72 inches at the end of July, which is 0.33 inches below the October-July average of 9.05 inches.

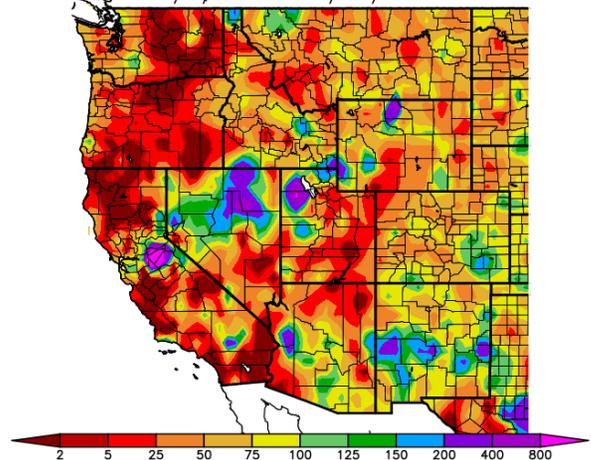
Data are from the National Centers for Environmental Information and are **preliminary**.

Ave. Temperature dep from Ave (deg F)
7/1/2024 – 7/31/2024



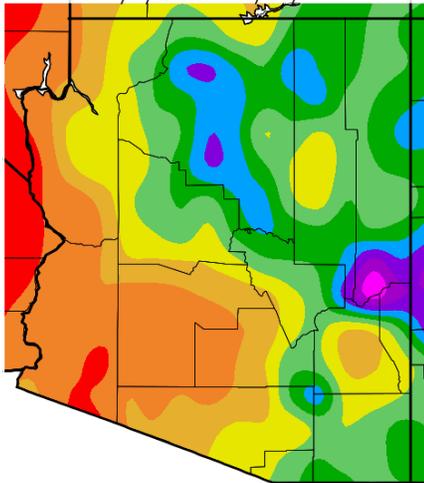
Generated 8/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Percent of Average Precipitation (%)
7/1/2024 – 7/31/2024



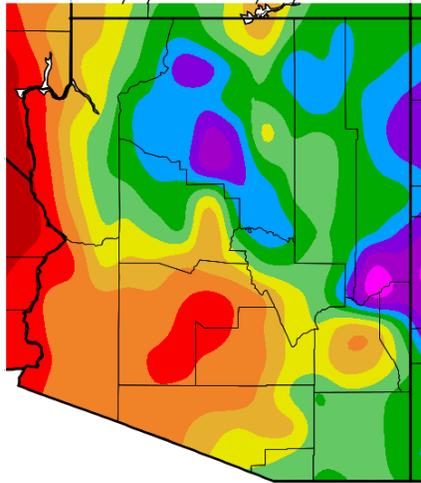
Generated 8/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature (deg. F)
7/1/2024 - 7/31/2024



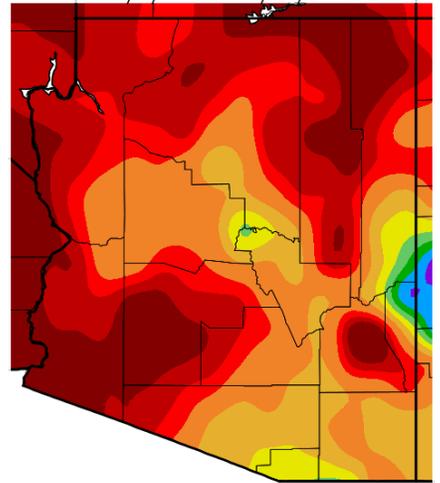
Generated 8/1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Min. Temperature (deg. F)
7/1/2024 - 7/31/2024



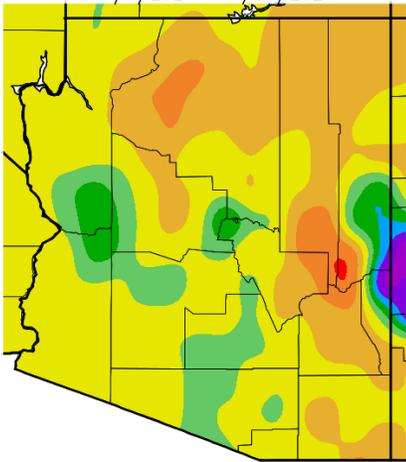
Generated 8/1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Total Precipitation (in.)
7/1/2024 - 7/31/2024



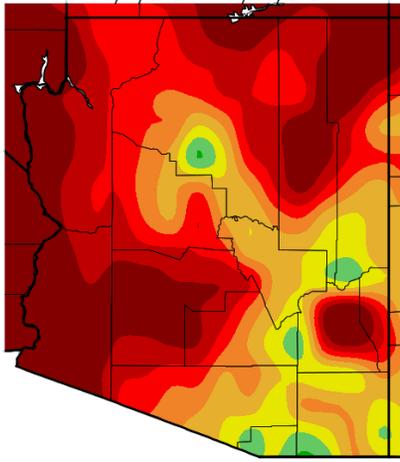
Generated 8/1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation Departure from Average (in.)
7/1/2024 - 7/31/2024



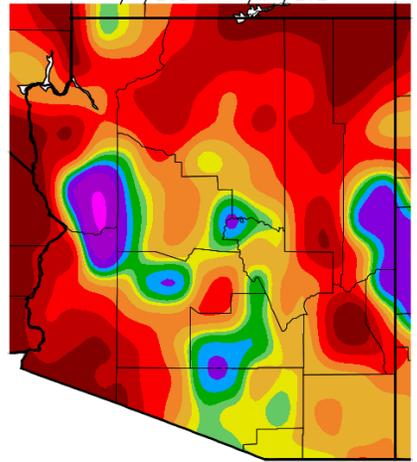
Generated 8/1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation # Days > 0.01"
7/1/2024 - 7/31/2024



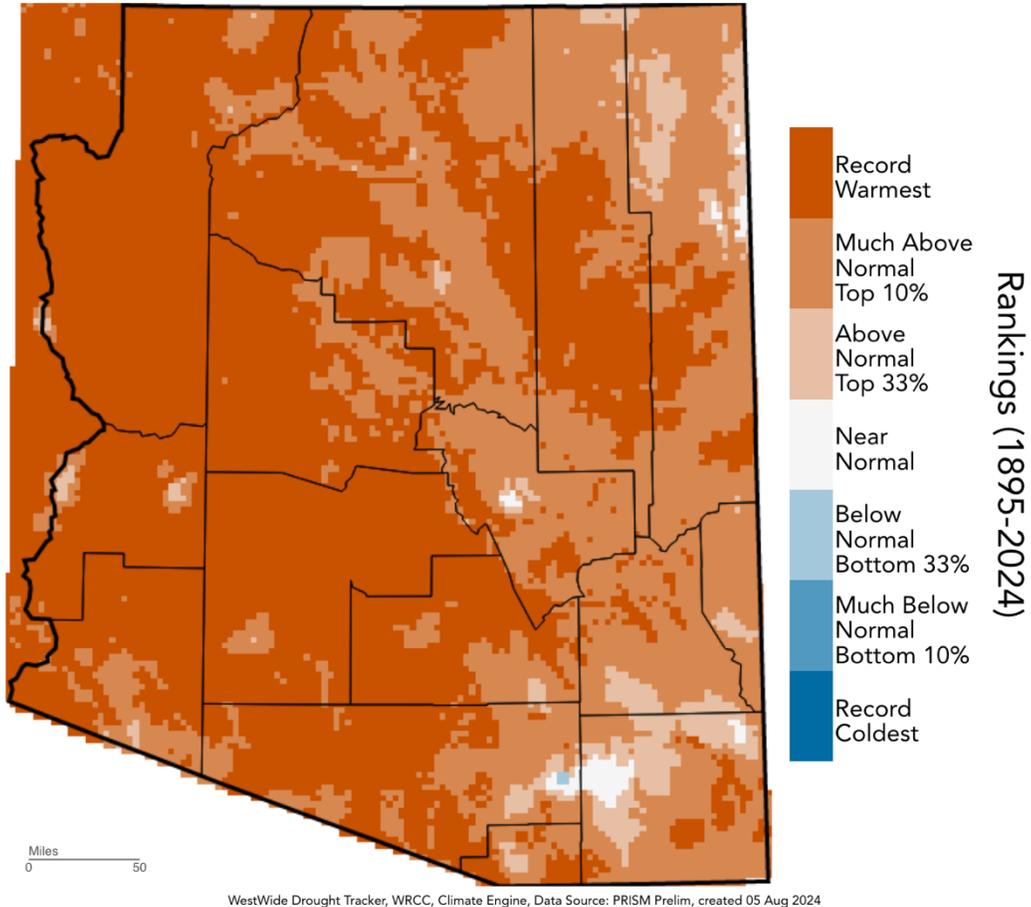
Generated 8/1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Percent of Average Precipitation (%)
7/1/2024 - 7/31/2024



Generated 8/1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

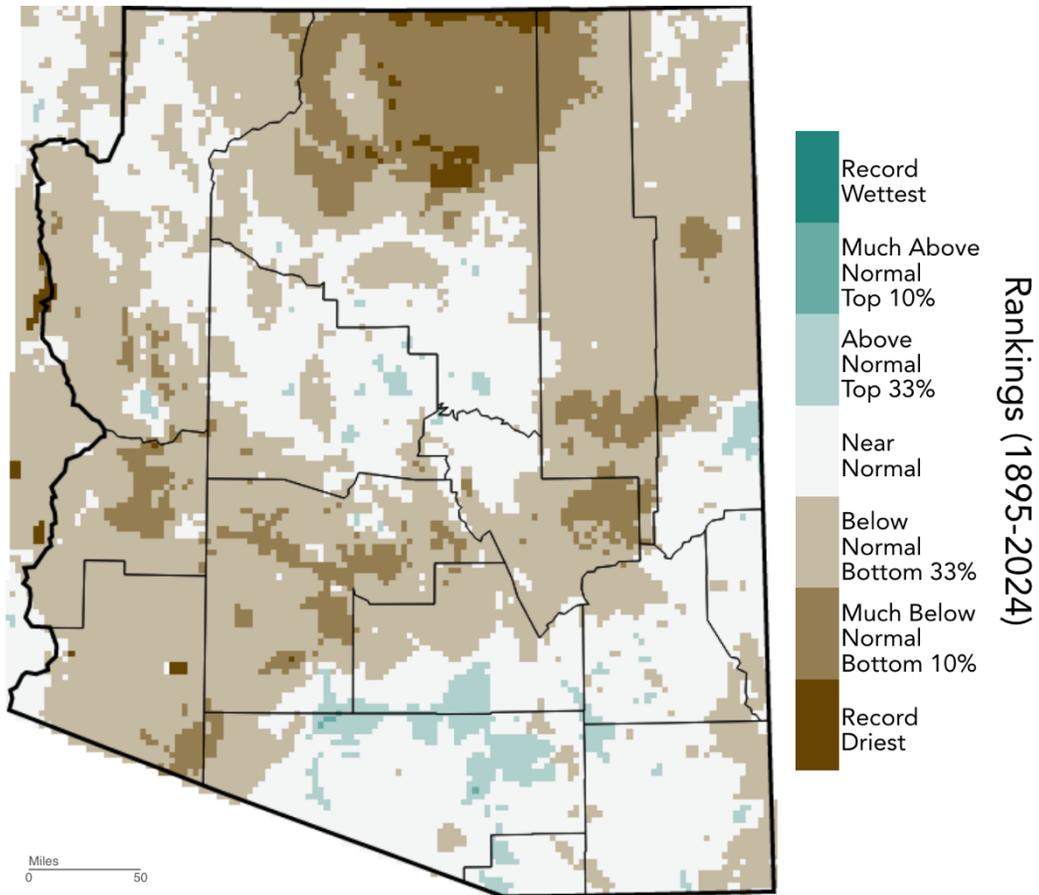
Arizona - Mean Temperature July 2024, Percentile



Temperatures across the state were much above normal, with Mohave, La Paz, and Yuma counties experiencing their hottest July on record, and Coconino County tying with 2023 as their hottest July on record.

Arizona - Precipitation

July 2024, Percentile

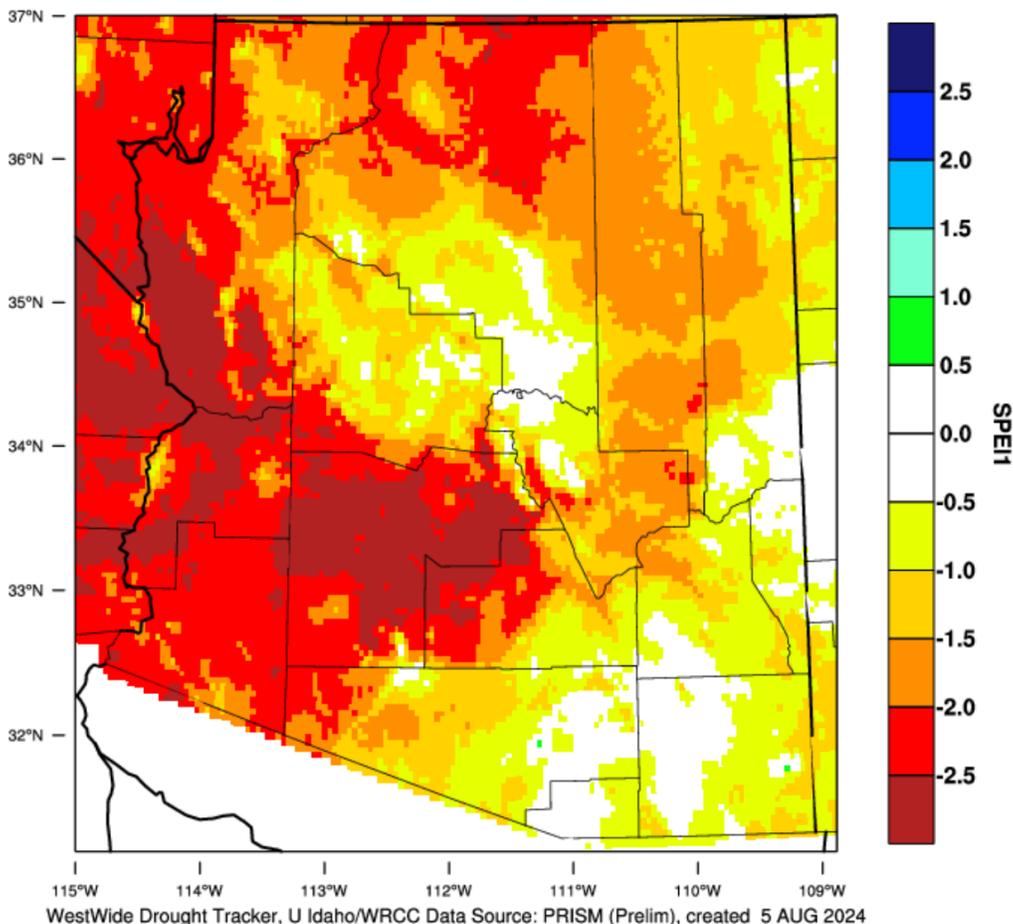


WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 05 Aug 2024

Precipitation was below normal to much below normal in portions of northern, southwestern, and southcentral counties, while portions of southern and southeastern counties experienced near normal to above normal precipitation.

Arizona - 1 month SPEI

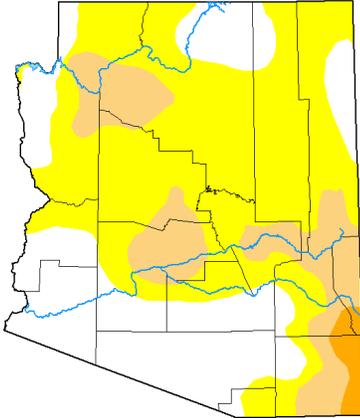
July 2024



This map shows the Standardized Precipitation Evapotranspiration Index (SPEI) across Arizona. July precipitation and evapotranspiration totals are measured across the state and are compared to previous July precipitation and evapotranspiration totals through the period of record (1895-present). Positive values represent wet conditions, while negative values represent dry conditions.

Short-term Drought

U.S. Drought Monitor Arizona



July 2, 2024
(Released Wednesday, Jul. 3, 2024)
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	31.87	68.13	18.36	1.92	0.00	0.00
Last Week 06-25-2024	29.83	70.17	18.37	2.78	0.00	0.00
3 Months Ago 04-03-2024	21.78	78.22	33.66	6.70	1.81	0.00
Start of Calendar Year 01-01-2024	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 07-04-2023	83.41	16.59	1.46	0.00	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

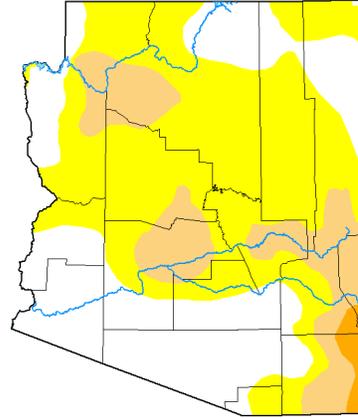
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Adam Hartman
NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu

U.S. Drought Monitor Arizona



July 30, 2024
(Released Thursday, Aug. 1, 2024)
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	33.69	66.31	18.36	1.92	0.00	0.00
Last Week 07-23-2024	32.70	66.30	18.36	1.92	0.00	0.00
3 Months Ago 04-30-2024	25.82	74.18	25.31	3.15	0.00	0.00
Start of Calendar Year 01-01-2024	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 08-04-2023	36.87	63.13	0.91	0.00	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate 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:
Lindsay Johnson
National Drought Mitigation Center



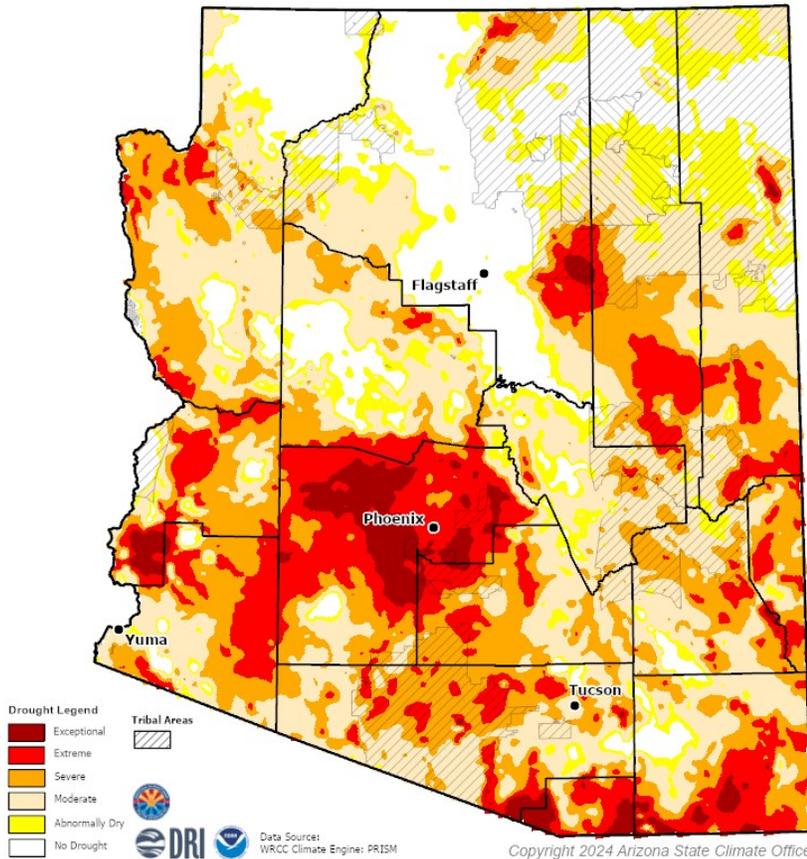
droughtmonitor.unl.edu

Short-term drought remained the same across most of the state except for a small change (2%) from Abnormally Dry (D0) conditions to a slight expansion of an area without drought in northern Apache and Navajo counties.

Long-term Drought

Arizona Long-Term Drought

Published August, 2024



Drought Legend

 Exceptional	 Tribal Areas
 Extreme	
 Severe	
 Moderate	
 Abnormally Dry	
 No Drought	

Data Sources:
WRCC Climate Engine; PRISM

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