



Excessive Heat into Tuesday | Strong to Severe Storms Possible Tuesday

KEY POINTS

- Excessive Heat Warning areawide today and across Lower CO River Valley and southeast CA on Tuesday
- Strong to severe storms possible on Tuesday mainly across south-central AZ. Areas of blowing dust will likely extend through southwest AZ Tuesday evening.
- Chances for thunderstorms will gradually decrease during the latter half of the week, eventually focused mainly over high terrain areas of Arizona by Thursday or Friday.
- Near normal temperatures expected for Wednesday and Thursday before heating back up into next weekend.

CHANGES FROM PREVIOUS BRIEFING

Excessive Heat Warning extended through Tuesday for Lower CO River Valley and southeast CA

WEATHER RISK OUTLOOK

Risk levels incorporate potential impacts from weather hazards and likelihood of occurrence for a reasonable worse case scenario.

	Mon 8/5	Tue 8/6	Wed 8/7	Thu 8/8	Fri 8/9
Phoenix Metro Including Maricopa and NW Pinal Counties	Heat Thunderstorms	Thunderstorms Heat Blowing Dust	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms
Higher Terrain SC AZ S. Gila County and Tonto NF Foothills in NE Maricopa County	Heat Thunderstorms	Thunderstorms Heat	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms
Southwest AZ Including La Paz and Yuma Counties	Heat Thunderstorms	Heat Blowing Dust Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat
Southeast CA Including Imperial and Eastern Riverside Counties	Heat	Heat Thunderstorms	Heat Thunderstorms	Heat	Heat
Joshua Tree National Park	Heat	Heat Thunderstorms	Heat Thunderstorms	Heat	Heat
Risk Levels	Little to None	Minor	Moderate	Major	Extreme

DETAILS

Phoenix Metropolitan



Heat

Impacts:

Extreme Risk for heat-related illnesses for entire population, pets, and livestock due to long duration heat, with little to no relief overnight.

Timing:

Extreme Risk Today; Moderate Risk starting Tuesday

Details:

- **Excessive Heat Warning** in effect for Today
- Highs: 110-115°F Today with lows 85-93°F through tonight
- Near normal temperatures mid week before warming back to around 110°F by Saturday.



Thunderstorms

Impacts:

Strong to locally severe winds, blowing dust, lightning, and locally heavy rainfall

Timing:

Moderate Tuesday, Minor other days

Details:

- For Tuesday: Thunderstorm wind gusts >35 mph 70% chance and >58 mph 10% chance
- Areas of blowing dust likely across Pinal and Maricopa Counties late Tuesday afternoon and evening.

Higher Terrain SC AZ



Heat

Impacts:

Major Risk for heat-related illnesses for pets, livestock, and much of the population, especially with extended outdoor exposure, and for those who are heat sensitive and/or without effective cooling and/or adequate hydration.

Timing:

Localized Major Risk Today; Minor to localized Moderate Risk starting Tuesday

Details:

- **Excessive Heat Warning** in effect for Today, primarily for San Carlos with highs (Miami/Globe & San Carlos): 100-107°F
- Near normal temperatures starting Wednesday before warming back to above normal late week into next weekend



Thunderstorms

Impacts:

Strong gusty winds, lightning, and locally heavy rainfall

Timing:

Daily

Details:

- Daily storm chances 20-50%
- Thunderstorm wind gusts >35 mph Today and Tuesday: 50% chance

Southwest Arizona



Heat

Impacts:

Extreme Risk for heat-related illnesses for entire population, pets, and livestock due to long duration heat, with little to no relief overnight.

Timing:

Major Risk Today; Moderate Risk starting Tuesday

Details:

- **Excessive Heat Warning** in effect for Today areawide and along Lower CO River Valley on Tuesday
- Highs: 111-115°F Today, 108-112°F Tuesday with Heat Indices above 115°F in many locations
- Lows: 85-91°F through Tuesday night
- Near normal temperatures mid week before warming back to around 110°F by Friday.



Thunderstorms

Impacts:

Strong gusty winds, blowing dust, lightning, and locally heavy rainfall

Timing:

Moderate Risk Tuesday; Minor risk most other days

Details:

- For Tuesday: Scattered thunderstorms in the evening with thunderstorm wind gusts chances >35 mph 50-70%. Areas of blowing dust also likely in the evening focused over Yuma County.

Southeast California



Heat

Impacts:

Extreme Risk for heat-related illnesses for entire population, pets, and livestock due to long duration heat, with little to no relief overnight.

Timing:

Extreme Risk Today; Major Risk Tuesday; Moderate Risk starting Wednesday

Details:

- **Excessive Heat Warning** in effect for through Tuesday
- Highs: 111-116°F Today and 108-113°F Tuesday with Heat Indices above 115°F both days.
- Lows: 85-91°F through Tuesday night
- Near normal temperatures mid week before warming back to around 110°F by Friday.



Thunderstorms

Impacts:

Strong gusty winds, lightning, and locally heavy rainfall

Timing:

Tuesday night and Wednesday

Details:

- 15-25% rain chances Tuesday night and Wednesday with isolated thunderstorms

Joshua National Park



Heat

Impacts:

Moderate Risk for heat-related illnesses for pets, livestock, and those who are sensitive to heat, especially those without effective cooling and/or adequate hydration.

Timing:

Daily

Details:

- **Excessive Heat Warning** in effect through Tuesday
- Highs today and Tuesday (including lower deserts and higher terrain): 95-111°F
- Near normal temperatures Wednesday and Thursday



Thunderstorms

Impacts:

Strong gusty winds, lightning, and locally heavy rainfall

Timing:

Tuesday and Wednesday

Details:

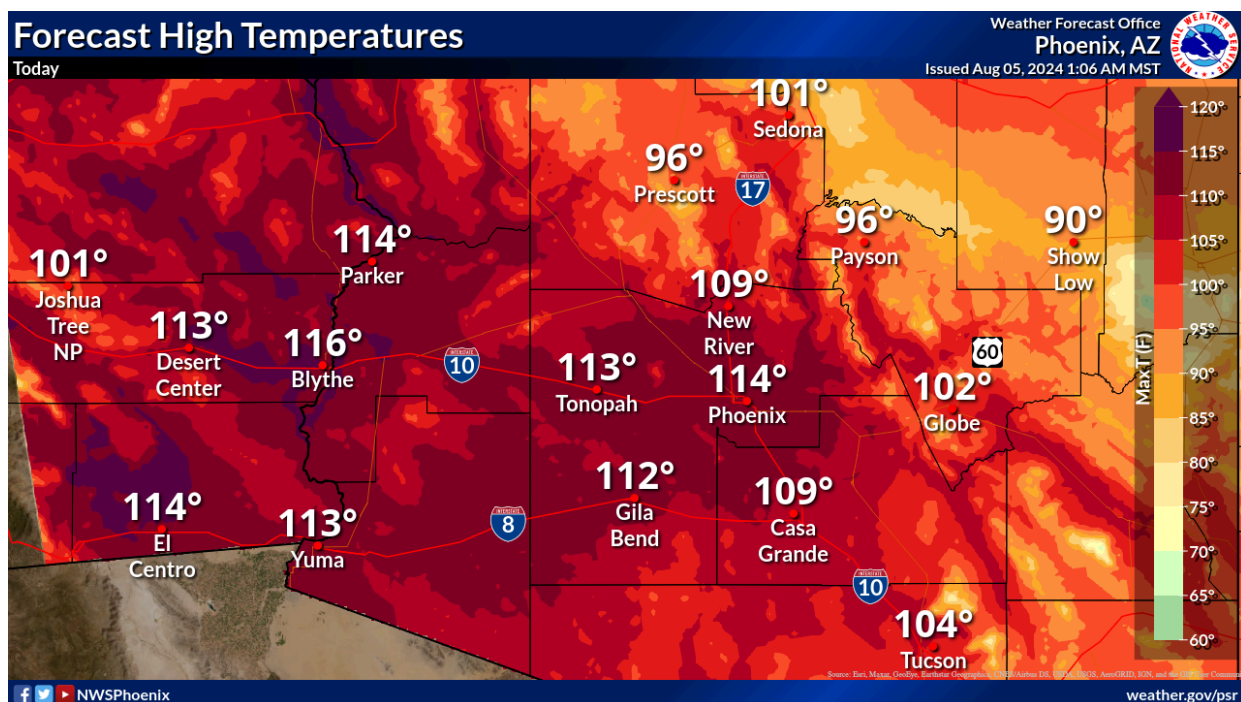
- 10-20% rain chances Tuesday and Wednesday with isolated thunderstorms

FOR MORE INFORMATION

For the latest forecast updates, visit weather.gov/phoenix.

If you have questions or would like to submit weather reports, photos, or to unsubscribe from these briefings, email nws.phoenix@noaa.gov or call **Media - (602) 275-7417; EM - (602) 275-7003**.

GRAPHICS



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
Thunderstorm Outlook

Monday, August 5, 2024


Details:

- Scattered showers & storms will develop mainly over the higher terrain areas of AZ this afternoon.
- Storm coverage over the lower deserts is expected to remain isolated.
- The main threats with any storm will be strong gusty outflow winds and localized heavy rainfall.

Impacts:

 Thunderstorm wind & outflow wind potential:
Odds: >35 mph - 30-50%

 Patchy blowing dust possible  Localized heavy rainfall

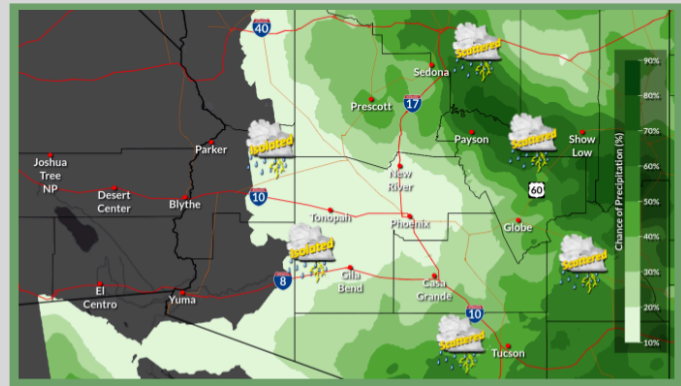
 All storms pose a risk of **lightning**



National Weather Service - Phoenix, AZ

weather.gov/phoenix

Updated: Monday, August 4, 2024 at 2:00 AM MST



ThunderstormOutlook_Aug5.png


Thunderstorm Outlook


Tuesday, August 6, 2024


Details:

- An easterly wave will result in more widespread storm activity Tuesday afternoon and evening.
- Storms will develop over the higher terrain areas during the afternoon hours, followed by more development over the lower deserts during the evening hours.
- Activity will likely persist into the overnight hours across the AZ lower deserts.

Impacts:

 Thunderstorm wind & outflow wind potential:
Odds: >35 mph - 50-70% >58 mph - 5-10%

 Areas of blowing dust possible  Localized heavy rainfall

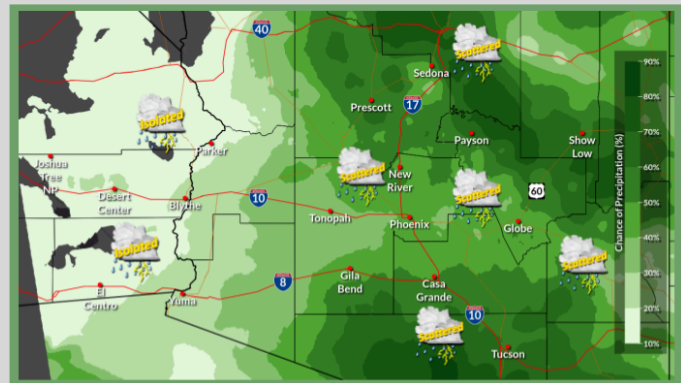
 All storms pose a risk of **lightning**



National Weather Service - Phoenix, AZ

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Updated: Monday, August 5, 2024 at 2:00 AM MST



ThunderstormOutlook_Aug6.png

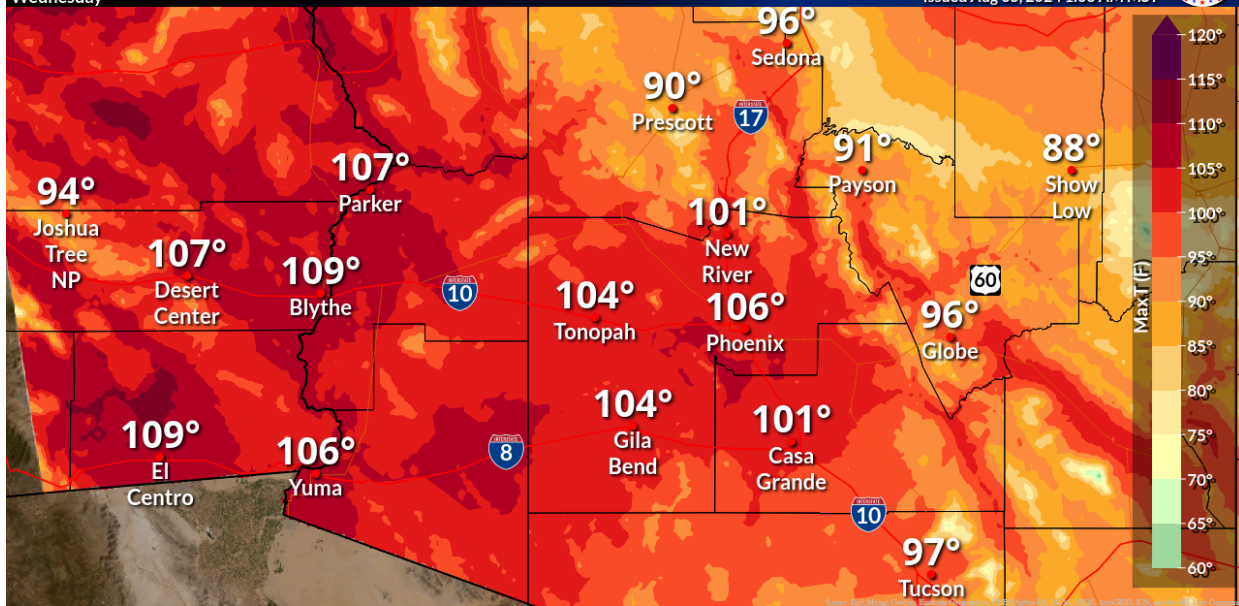
Forecast High Temperatures

Wednesday

Weather Forecast Office

Phoenix, AZ

Issued Aug 05, 2024 1:06 AM MST



NWSPhoenix

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