



Excessive Heat Warning for Phoenix Today | Strong T-Storm Winds Possible Today across South-Central AZ

KEY POINTS

- Excessive Heat Warning for south-central AZ with localized Major HeatRisk today for the Phoenix metro. Hot and humid conditions will continue through this weekend.
- Thunderstorm chances this afternoon and early evening focused across eastern half of Pinal Co., far eastern Maricopa County, and into southern Gila County. Strong winds and blowing dust are the main threats today over Phoenix and areas east and southeast of Phoenix. Daily chances of isolated lower desert storms and scattered higher terrain storms increasing over the weekend.
- Very hot temperatures with near Major HeatRisk are expected this weekend, with areas of Major HeatRisk developing by early next week.

WEATHER RISK OUTLOOK

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

	Fri 6/21	Sat 6/22	Sun 6/23	Mon 6/24	Tue 6/25	Wed 6/26	Thu 6/27
Phoenix Metro Including Maricopa and NW Pinal Counties	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat	Heat	Heat
Higher Terrain SC AZ S. Gila County and Tonto NF Foothills in NE Maricopa County	Heat Winds (AM) Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms
Southwest AZ Including La Paz and Yuma Counties	Heat	Heat	Heat Thunderstorms	Heat	Heat	Heat	Heat
Southeast CA Including Imperial and Eastern Riverside Counties	Heat	Heat	Heat	Heat	Heat	Heat	Heat
Joshua Tree National Park	Heat	Heat	Heat	Heat	Heat	Heat	Heat

Risk Levels

Little to None	Minor	Moderate	Major	Extreme
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DETAILS

Phoenix Metropolitan

**Impacts:**

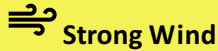
Major Risk for heat-related illnesses for pets, livestock, and much of the population, especially with extended outdoor exposure, and for those who are heat sensitive and/or without effective cooling and/or adequate hydration.

Timing:

Major HeatRisk Today and likely early next week

Details:**• Excessive Heat Warning Today**

- Areas of Major HeatRisk today, with highs 110-114°F
- Widespread Moderate HeatRisk over the weekend, as high temperatures cool into the 105-110°F range
- Areas of Major HeatRisk developing once again early next week, as high temperatures climb back into the 109-115°F range and lows 85-93°F

**Impacts:**

Strong Thunderstorm Outflow Winds and Areas of Blowing Dust

Timing:

Friday-Sunday

Confidence:

Today: Medium; Weekend: Low

Details:

- Today: West Phoenix: 20-40% probability of 35+ mph winds
East Phoenix and much of Pinal County: 30-70% probability of 35+ mph winds
- Any strong outflow winds could lead to localized reductions in visibility due to blowing dust, especially across Pinal Co.
- Saturday - 30-50% probability of 35+ mph wind gusts

**Impacts:**

Lightning, localized strong winds, brief heavy rainfall

Timing:

Today-Monday

Details:

- Today: 5-15% chance of thunderstorms across the Phoenix metro, 25-40% in higher terrain of Pinal and far eastern Maricopa counties
- Increasing chances over the weekend between 20-40% (highest in higher terrain), generally 10% chance Monday
- Best chance of any localized heavier rainfall should be Saturday and Sunday

Higher Terrain SC AZ



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:

- Moderate HeatRisk continuing into next week, as highs range from 96-104°F



Thunderstorms

Impacts:

Gusty winds, lightning, and localized heavy rainfall

Timing:

Moderate Today; Minor Starting Saturday

Details:

- 20-30% chance of thunderstorms Today.
- Today: 50-70% probability of 35+ mph winds - 10% probability of 58+ mph winds
- 20-40% chance of thunderstorms Friday-Sunday, lowering early next week



Wind

Impacts:

Strong winds may produce difficult driving conditions for high profile vehicles. Loose or unsecured objects may be blown away.

Timing:

This Morning

Details:

- **Wind Advisory continuing Today until 11 am for southern Gila County, including San Carlos and Globe**
- Wind gusts of 30-40 mph at times.

Southwest Arizona



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:

Moderate HeatRisk Today-Sunday; Major HeatRisk possible as early as Monday

Details:

- Widespread Moderate HeatRisk with highs 109-113° today
- Highs 105-110° Saturday and Sunday, but with increased humidity as lows warm into the low to mid-80s
- Even hotter early next week with highs 110-114° by Tuesday. Areas of Major HeatRisk as early as Monday.



Thunderstorms

Impacts:

Gusty winds, lightning, and brief heavy downpours

Timing:

Saturday and Sunday

Details:

- 10-30% chance of thunderstorms

Southeast California



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:

Overall Moderate HeatRisk through Sunday; Major HeatRisk Monday - Thursday

Details:

- Widespread Moderate HeatRisk with highs 110-114° today
- Highs 105-110° Saturday and Sunday, but with increased humidity, with overnight lows warming into the low to mid-80s by Sunday
- Even hotter early next week as areas of Major HeatRisk develop, with highs 111-116° by Tuesday.

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:

Moderate HeatRisk

Details:

- Widespread Moderate HeatRisk as highs climb to 99-108° starting today
- Localized Major HeatRisk potentially developing early next week as even hotter conditions develop with highs 102-111° by Tuesday.

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 (602) 275-7003.

GRAPHICS

Wind Advisory

Wind Advisory: Portions of Southern Gila County

Timing

- Through 11 AM MST Friday, June 21st

Forecast

- Southwest winds 25-30 mph
- Gusts up to 45 mph

Precautions

- ✓ Difficult driving conditions - especially high profile vehicles
- ✓ Loose items may become airborne

National Weather Service · Phoenix, AZ
weather.gov/phoenix
Updated: Thursday, June 20, 2024 2:00 AM MST

Wind Advisory this Morning

Excessive Heat Warning



Areas affected: Lower Elevations of South-Central AZ



National Weather Service · Phoenix, AZ
weather.gov/phoenix

Updated: Thursday, June 20, 2024 at 11:00 PM MST

Timing

- Through 8 PM MST Friday, June 21st

Temperatures

- Lower Desert Areas:
 - Highs: 109° to 114°
 - Lows: 81° to 91°

Precautions

- ✓ **Impact:** High risk of heat stress or illnesses for anyone without effective cooling and/or adequate hydration.
- ✓ Stay hydrated
- ✓ Avoid exposure to the sun from 10 am to 6 pm
- ✓ If you lack access to air conditioning, free transportation to cooling centers is available 8am-5pm daily through Arizona 211.

Excessive Heat Warning Today

Isolated to Scattered Showers & Thunderstorms Possible

Friday, June 21st, 2024

Details:

- Isolated to scattered showers and thunderstorms will once again fire up along and east of a moisture gradient just east of the Phoenix Metro.
- Rain chances will increase to around 10-40% by this afternoon and evening, with the best chances in the higher terrain to the east of Phoenix.
- These storms will be capable of producing strong gusty outflow boundaries, which could lead to some areas of patchy blowing dust.

Impacts:



Gusty winds in excess of 30 mph from thunderstorm outflows possible



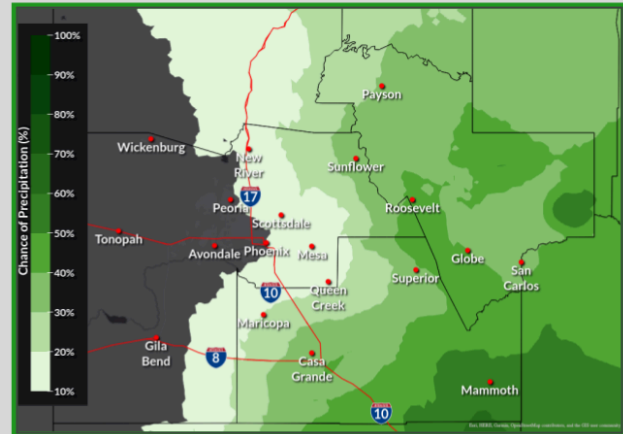
Occasional lightning



Patchy blowing dust



Wet roads



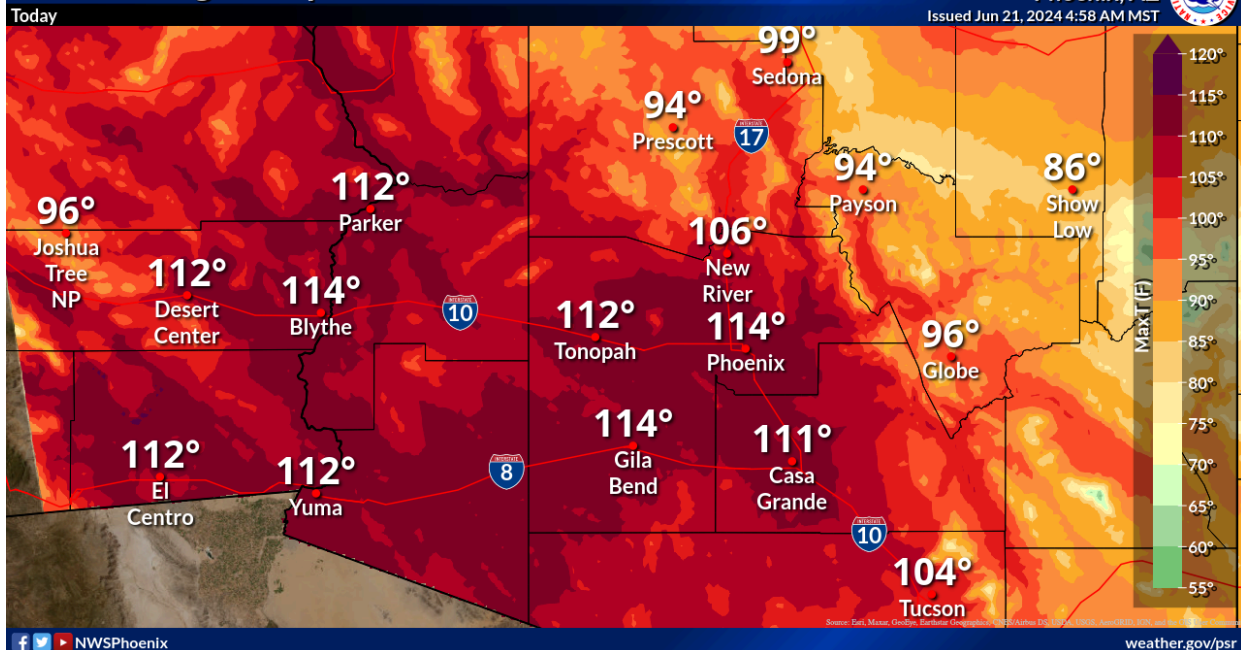
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Issued: Friday, June 21st, 2024 at 3:00 AM MST

Shower and Thunderstorm Chances Today

Forecast High Temperatures

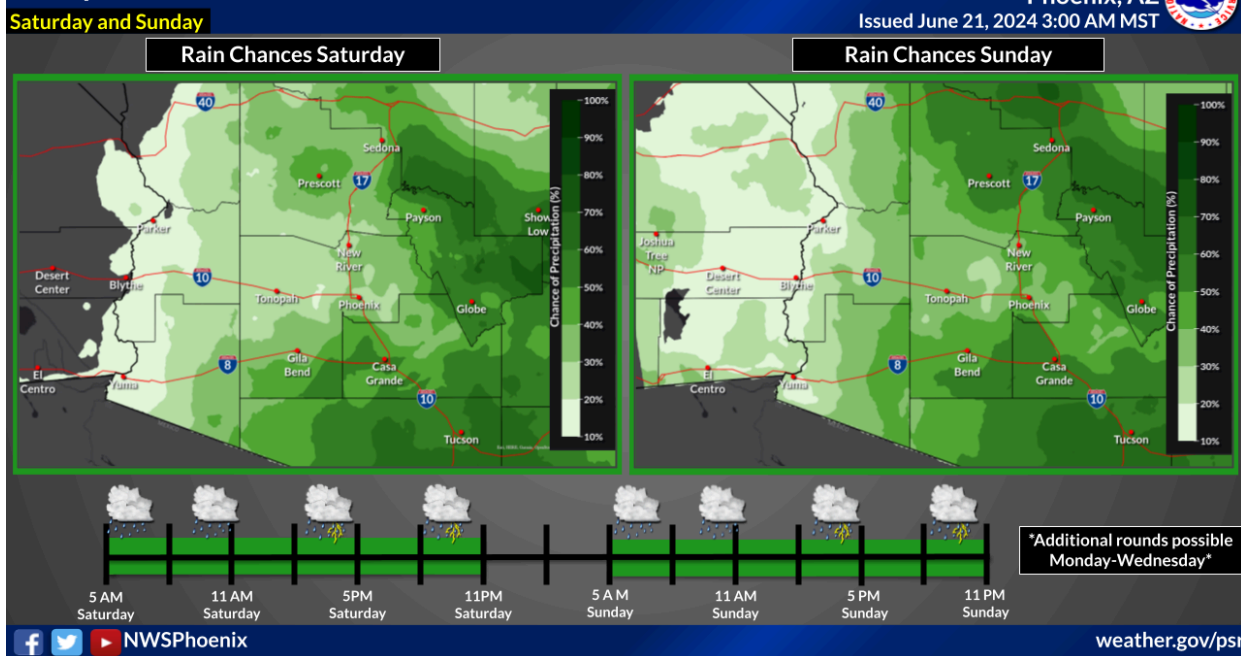
Weather Forecast Office
Phoenix, AZ
Issued Jun 21, 2024 4:58 AM MST



Max Temperatures Today

Multiple Rounds of Isolated/Scattered Shower & Storms Possible

Weather Forecast Office
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Issued June 21, 2024 3:00 AM MST



Shower and Thunderstorm Chances This Weekend