



## Thunderstorm risk continues this week | Excessive Heat Warning SE California and Yuma through Friday

### KEY POINTS

- Excessive Heat Warning through Friday for SE California and the city of Yuma
- Widespread Moderate HeatRisk the remainder of the week
- Thunderstorms with strong, gusty winds and areas of dense blowing dust in parts of far NW Maricopa, La Paz, and NE Riverside counties today
- Scattered mountain storms through week occasionally descending into lower deserts

### CHANGES FROM PREVIOUS BRIEFING

- Excessive Heat Warning extended through Friday for SE California and the city of Yuma
- Increased and expanded thunderstorm risk in SW Arizona and SE California today
- Lowered thunderstorm risk and impacts Wednesday due to increased forecast uncertainty

### WEATHER RISK OUTLOOK

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

	Mon 7/22	Tue 7/23	Wed 7/24	Thu 7/25	Fri 7/26
<b>Phoenix Metro</b> Including Maricopa and NW Pinal Counties	Heat Thunderstorms Blowing Dust	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms
<b>Higher Terrain SC AZ</b> S. Gila County and Tonto NF Foothills in NE Maricopa County	Thunderstorms Heat	Thunderstorms Heat	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms
<b>Southwest AZ</b> Including La Paz and Yuma Counties	Heat Thunderstorms Blowing Dust	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms
<b>Southeast CA</b> Including Imperial and Eastern Riverside Counties	Heat Thunderstorms Blowing Dust	Heat Thunderstorms	Heat Thunderstorms	Heat	Heat
<b>Joshua Tree National Park</b>	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Heat	Heat

<b>Risk Levels</b>	Little to None	Minor	Moderate	Major	Extreme
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### DETAILS

## Phoenix Metropolitan



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:**

Through Friday

**Details:**

- High temperatures 105-112°F
- Overnight lows 80-92°F



Thunderstorms

**Impacts:**

Strong gusty winds, lightning, and locally heavy rainfall

**Timing:**

Moderate risk today in far NW Maricopa Co; Minor otherwise

**Details:**

- Today: 50% chance of storms in NW Maricopa Co, 20-30% elsewhere
- In NW Maricopa County, with better than a 70% chance of wind gusts over 35 mph and 5% chance of gusts over 58 mph
- Tuesday-Friday: Storm chances 20-40% with uncertainty on any day with greater impacts

## 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:**

Minor: Today-Tuesday; Moderate: Wednesday-Friday

**Details:**

- Highs 90-105°



Thunderstorms

**Impacts:**

Strong gusty winds, lightning, and locally heavy rainfall

**Timing:**

Moderate: Tuesday, otherwise Minor

**Details:**

- Storm chances primarily 30-70% with better odds of storm impacts Tuesday

## 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:

Through Friday

### Details:

- **Excessive Heat Warning in effect through Friday for the city of Yuma**
- Highs temperatures 105-112°F with higher heat index in Yuma
- Overnight lows in the 80s



Thunderstorms

### Impacts:

Strong gusty winds, lightning and locally heavy rainfall

### Timing:

Moderate Today; Minor otherwise

### Details:

- Storm chances up to 50% today over La Paz County with better than a 70% chance of wind gusts over 35 mph and 5% chance of gusts over 58 mph
- Chances 10-40% Tuesday-Friday



Blowing Dust

### Impacts:

Reduced visibility in dense blowing dust

### Timing:

This afternoon and evening primarily in La Paz County

### Details:

- 50% chance for locally dense blowing dust resulting in dangerous traveling conditions

## Southeast California



Heat

### Impacts:

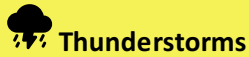
Major Risk for heat-related illnesses for pets, livestock, and much of the population, especially with extended outdoor exposure, and for those who are heat sensitive and/or without effective cooling and/or adequate hydration.

### Timing:

Through Friday

### Details:

- **Excessive Heat Warning in effect through Friday**
- Highs 100-115°F with peak heat indices around 120°F
- Overnight lows middle 80s to near 90 degrees



Thunderstorms

### Impacts:

Strong gusty winds, lightning and locally heavy rainfall

### Timing:

Through Wednesday

### Details:

- Storm chances 10-30%, mainly in Riverside County



Blowing Dust

### Impacts:

Reduced visibility in dense blowing dust

### Timing:

Late this afternoon and evening far eastern Riverside County

### Details:

- 30% chance for locally dense blowing dust resulting in dangerous traveling conditions

## Joshua National Park



### 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:

Through Friday

### Details:

- Excessive Heat Warning in effect through Friday
- Highs 92-111°F



### Impacts:

Strong gusty winds, lightning and locally heavy rainfall

### Timing:

Through Wednesday

### Details:

- Storm chances 15-30%

## FOR MORE INFORMATION

For the latest forecast updates, visit [weather.gov/phoenix](https://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](mailto:nws.phoenix@noaa.gov) or call **Media - (602) 275-7417; EM - (602) 275-7003**.

## GRAPHICS

# Severe Outlook

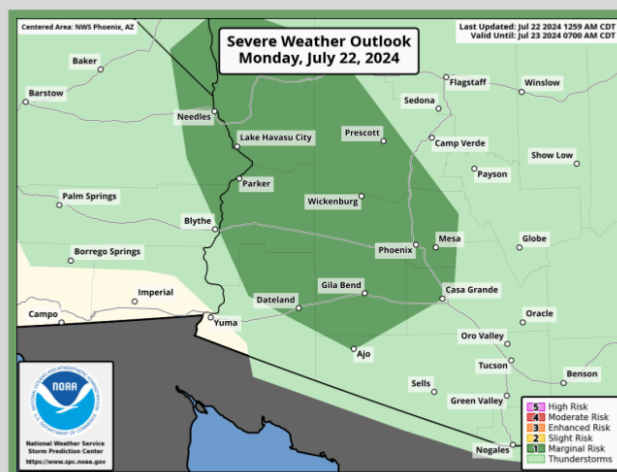
Monday, July 22, 2024

### Details

- Storms expected to move off the higher terrain into the western deserts this afternoon/evening
- Primary impact will be **strong to severe winds** mainly west of the Phoenix Metro area along the Interstate 8/10 corridors in western Maricopa, northern Yuma, and La Paz Counties

### Marginal Risk Area Hazards

- Wind Gusts  $\geq 35$  MPH: 70-80% chance
- Wind Gusts  $\geq 58$  MPH: 5% chance
- Areas of dense blowing dust
- Brief heavy downpours



All storms contain deadly lightning!



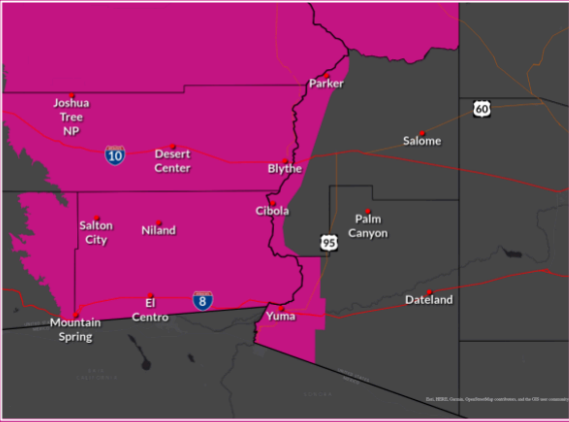
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Updated: Monday, July 22, 2024

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# Excessive Heat Warning



Areas affected: Colorado River Valley and Southeast California

## 🕒 Timing

- In effect until 8 PM PDT Friday, July 26

## 🌡️ Temperatures

Highs: 107° - 114°

Heat Indices: 115° - 122°

## ⚠️ 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 and limit outdoor activity between 10 am to 6 pm



National Weather Service - Phoenix, AZ

[weather.gov/phoenix](https://weather.gov/phoenix)

Updated: Monday July 22, 2024

Don't underestimate the heat! It is the deadliest weather phenomenon in the USA

24-07-22 EHW.png