



Afternoon Update

Partners, We have some forecast updates to share with you.

KEY POINTS

- **Excessive Heat Warning ends this evening**
- **Thunderstorm coverage (30-60% chance) and intensity expected to increase Friday with areas of Moderate Risk**
- **Major Risk of thunderstorms with heavy flooding rainfall in SW Arizona & SE California Saturday through Monday; lower risk south-central AZ**

CHANGES FROM PREVIOUS BRIEFING

Flash Flood Watch issued for southeast California and southwest Arizona.

WEATHER RISK OUTLOOK

Risk levels incorporate potential impacts from weather hazards and likelihood of occurrence. The weather hazard with the greatest risk will be listed first in the matrix.

	Thu 8/17	Fri 8/18	Sat 8/19	Sun 8/20	Mon 8/21
Phoenix Metro Area Including Maricopa & NW. Pinal Counties	Heat Thunderstorms	Heat Thunderstorms	Heat Thunderstorms	Thunderstorms Heat	Thunderstorms Heat
High Terrain SC AZ S. Gila County and Tonto NF Foothills in NE Maricopa County	Heat Thunderstorms	Thunderstorms Heat	Heat Thunderstorms	Thunderstorms Heat	Thunderstorms Heat
Southwest Arizona Including La Paz & Yuma Counties	Heat Thunderstorms	Heat Thunderstorms	Flash Flooding Thunderstorms	Flash Flooding Thunderstorms	Flash Flooding Thunderstorms
Southeast California Including Imperial & Eastern Riverside Counties	Heat	Heat	Flash Flooding Thunderstorms	Flash Flooding Thunderstorms	Flash Flooding Thunderstorms

Risk Levels	Little to None	Minor	Moderate	Major	Extreme
--------------------	----------------	-------	----------	-------	---------

DETAILS

Phoenix Metropolitan Area



Heat

Impacts:

Major 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:

Areas of Major HeatRisk today, otherwise Moderate HeatRisk becoming Minor over the weekend

- High temperatures: 108-115 degrees this afternoon
- **Excessive Heat Warning for the greater Phoenix metro today**



Thunderstorms

Impacts:

Gusty winds, blowing dust, brief heavy rainfall, and lightning

Timing:

Moderate Risk Friday, otherwise Minor

- 10-30% today
- 60% Friday with some strong to severe storms possible
- 30-60% Saturday through Monday, but limited impacts

Higher Terrain South Central Arizona (Southern Gila County & Tonto NF Foothills in Maricopa County)



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 today followed by Minor HeatRisk

- High temperatures: 95-105 degrees today



Thunderstorms

Impacts:

Gusty winds, brief heavy rainfall, and lightning

Timing:

Daily

- 25-40% today
- 30-60% Friday through Monday

Southwest Arizona (La Paz & Yuma Counties)



Heat

Impacts:

Major 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:

Localized Major HeatRisk today, then Moderate Friday and Minor over the weekend

- High temperatures: 108-115 degrees this afternoon
- **Excessive Heat Warning for the Lower Colorado River and Yuma metro area today**



Thunderstorms

Impacts:

Gusty winds, areas of blowing dust, heavy rainfall, and lightning

Timing:

Moderate Risk Saturday, otherwise Minor

- 10-20% today
- 20-50% Friday
- 70-90% Saturday through Monday with some strong to severe storms possible Saturday



Flooding

Impacts:

Flowing washes, standing water, and impassible roads

Timing:

Saturday through Monday

- Substantial increase in moisture and thunderstorm coverage beginning Saturday
- **Flash Flood Watch in effect from 11am Saturday to 5pm Sunday**
- Widespread storm total rainfall amounts over 2 inches possible

Southeast California (Imperial and Eastern Riverside Counties)



Heat

Impacts:

Major 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:

Localized Major HeatRisk today, then Moderate Friday and Minor over the weekend

- High temperatures: 109-115 degrees today
- **Excessive Heat Warning for portions of Riverside and Imperial Counties today**



Thunderstorms

Impacts:

Gusty winds, areas of blowing dust, heavy rainfall, and lightning

Timing:

Moderate Risk Saturday, otherwise Minor Risk

- Less than 15% Today and Friday
- 70-90% Saturday through Monday



Flooding

Impacts:

Flowing washes, standing water, rock slides, and impassible roads

Timing:

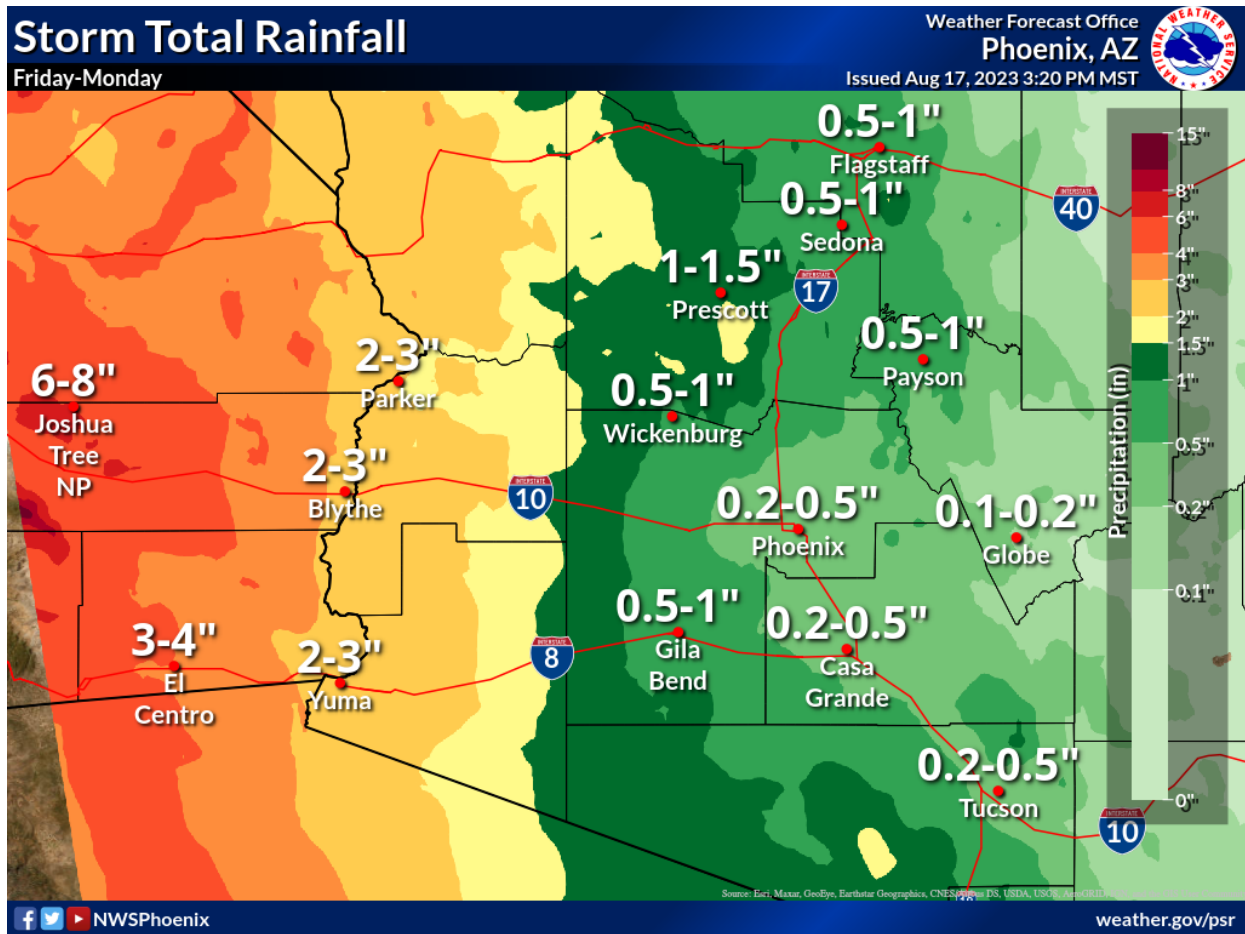
Saturday through Monday

- Substantial increase in moisture and thunderstorm coverage beginning Saturday
- **Flash Flood Watch in effect from 11am Saturday to 5pm Sunday**
- Widespread storm total rainfall amounts over 2 inches likely. Isolated areas with storm total rainfall over 5 inches possible (most likely over/near higher terrain).

FOR MORE INFORMATION

For the latest forecast updates, visit [weather.gov/phoenix](https://www.weather.gov/phoenix).

GRAPHICS



Storm Total Rainfall.png

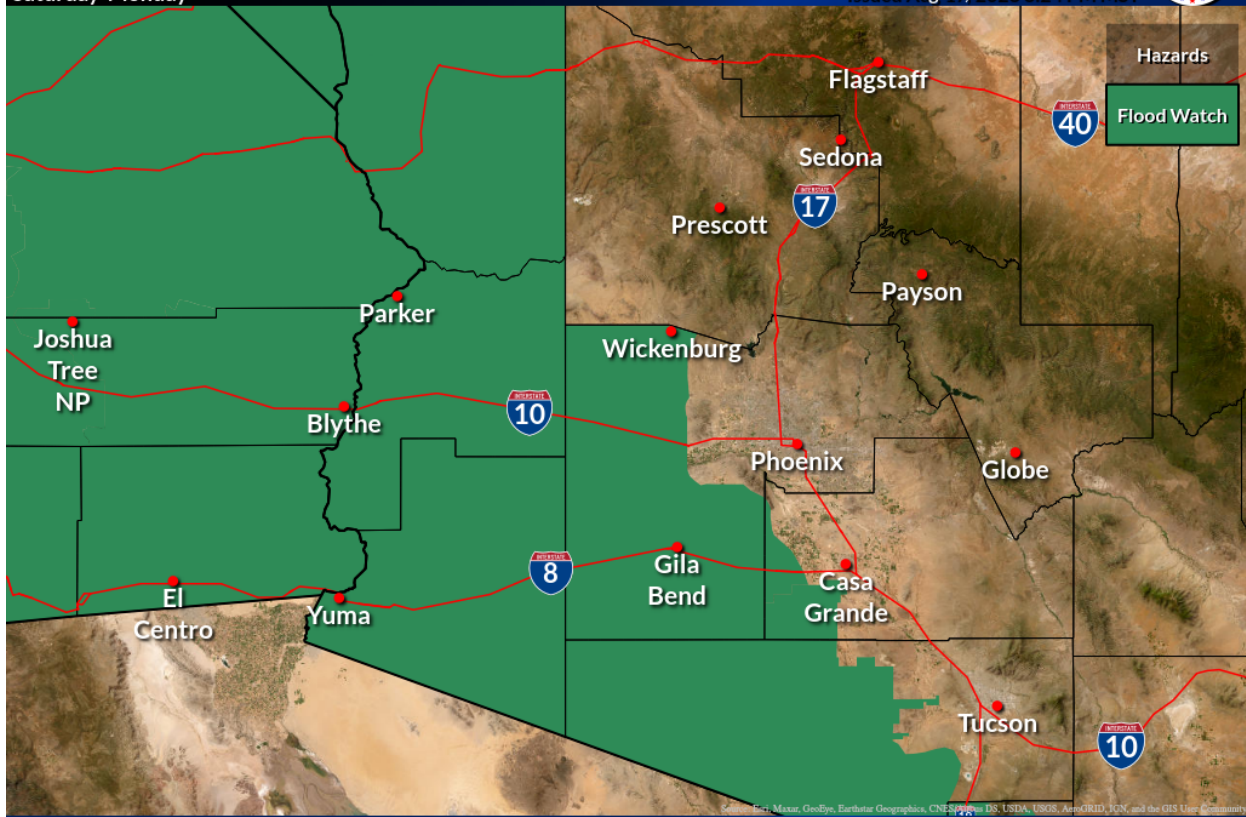
Flash Flood Watches

Saturday-Monday

Weather Forecast Office

Phoenix, AZ

Issued Aug 17, 2023 3:24 PM MST



NWSPhoenix

weather.gov/psr

Flood Watch Map.png