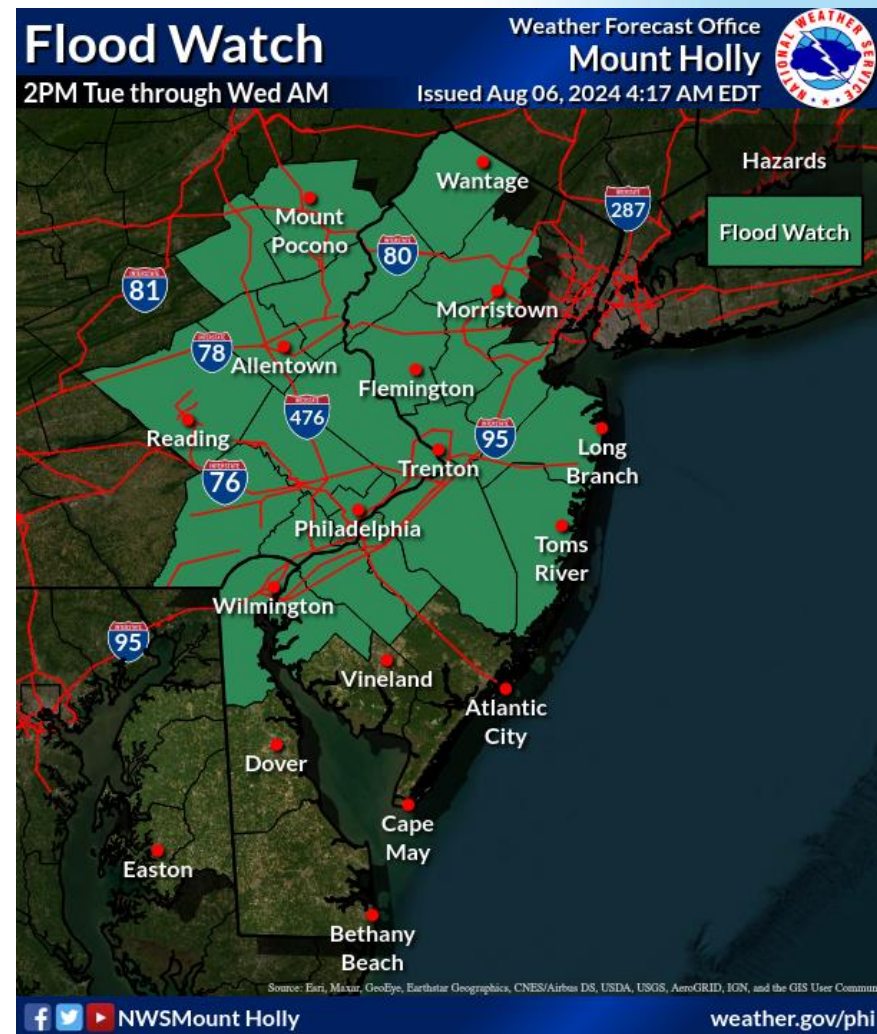


# Flash Flooding and Severe Thunderstorm Potential August 6-10, 2024


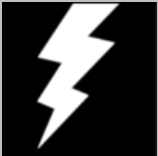
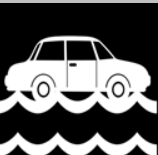

## Decision Support Briefing #9 As of: 6 AM August 6, 2024

### What Has Changed?

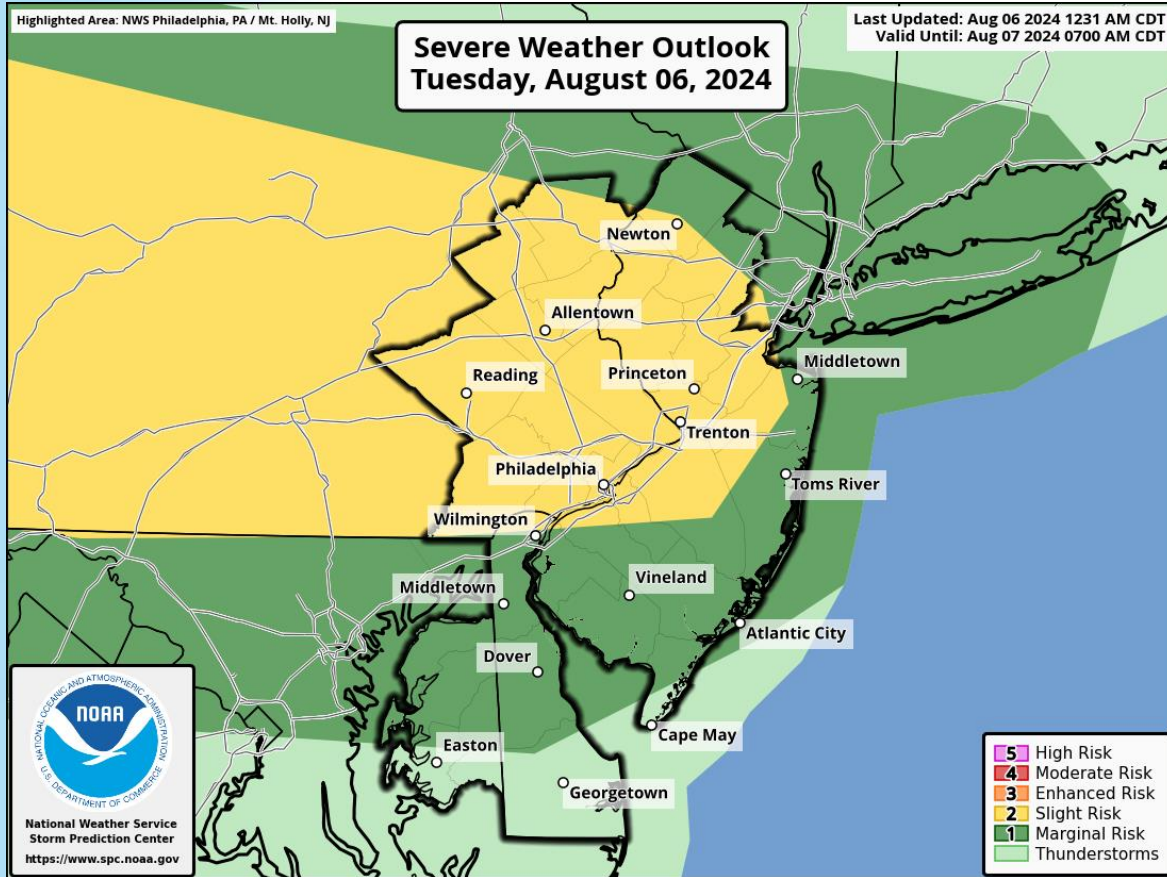
- ✓ Severe Thunderstorm Risk increased across much of the forecast area for this afternoon into tonight.
- ✓ Heavy Rain/Flash Flooding concerns continue into Thursday.



# Main Points

Hazard	Impacts	Location	Timing
<b>Heat (Through Today)</b> 	<p>Max Heat Indices near 100 degrees. No advisory, but vulnerable populations may be susceptible to heat illnesses.</p>	<p>Mainly along and south/east of the I-95 urban corridor.</p>	<p>Into early this evening.</p>
<b>Severe Storms (Into Tonight)</b> 	<p>Localized damaging downburst wind gusts from severe thunderstorms. Small hail possible.</p>	<p>Most of region at risk, but focus is much of NJ and eastern PA.</p>	<p>This afternoon into tonight.</p>
<b>Heavy Rain (Today - Wednesday)</b> 	<p>Scattered to possibly widespread instances of flash flooding, especially in urban areas.</p>	<p>Entire region at risk, but focus is much of NJ, eastern PA.</p>	<p>This afternoon through Wednesday morning.</p>
<b>Heavy Rain (Wednesday - Thursday)</b> 	<p>Scattered instances of flash flooding, especially in urban areas.</p>	<p>Entire region at risk, but focus is southern NJ, northern Delmarva.</p>	<p>Wednesday through Thursday morning.</p>

# Severe Thunderstorms Tonight



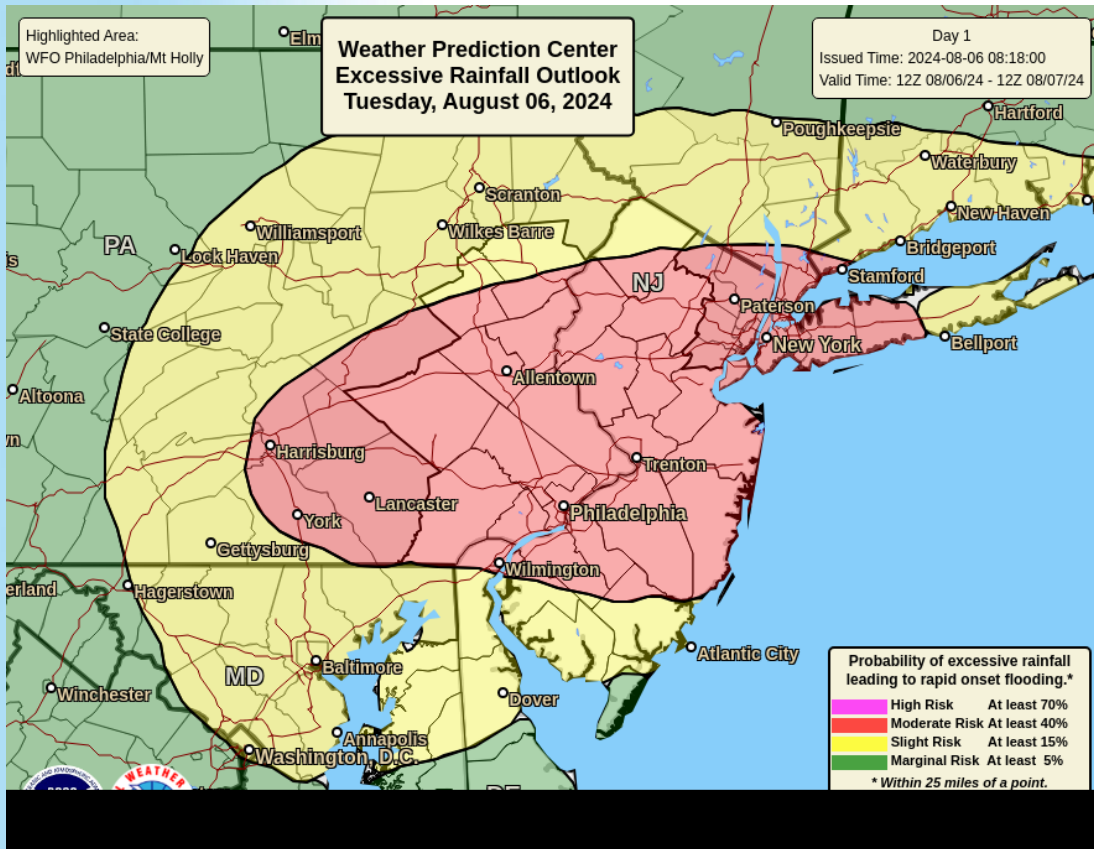
- ✓ Isolated to scattered severe thunderstorms possible.
- ✓ Greatest threat is locally damaging downburst wind gusts, resulting in some downed trees and power lines. Small hail is possible.

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense



# Heavy Rain/Flash Flooding Outlook

## This Afternoon Through Wednesday Morning

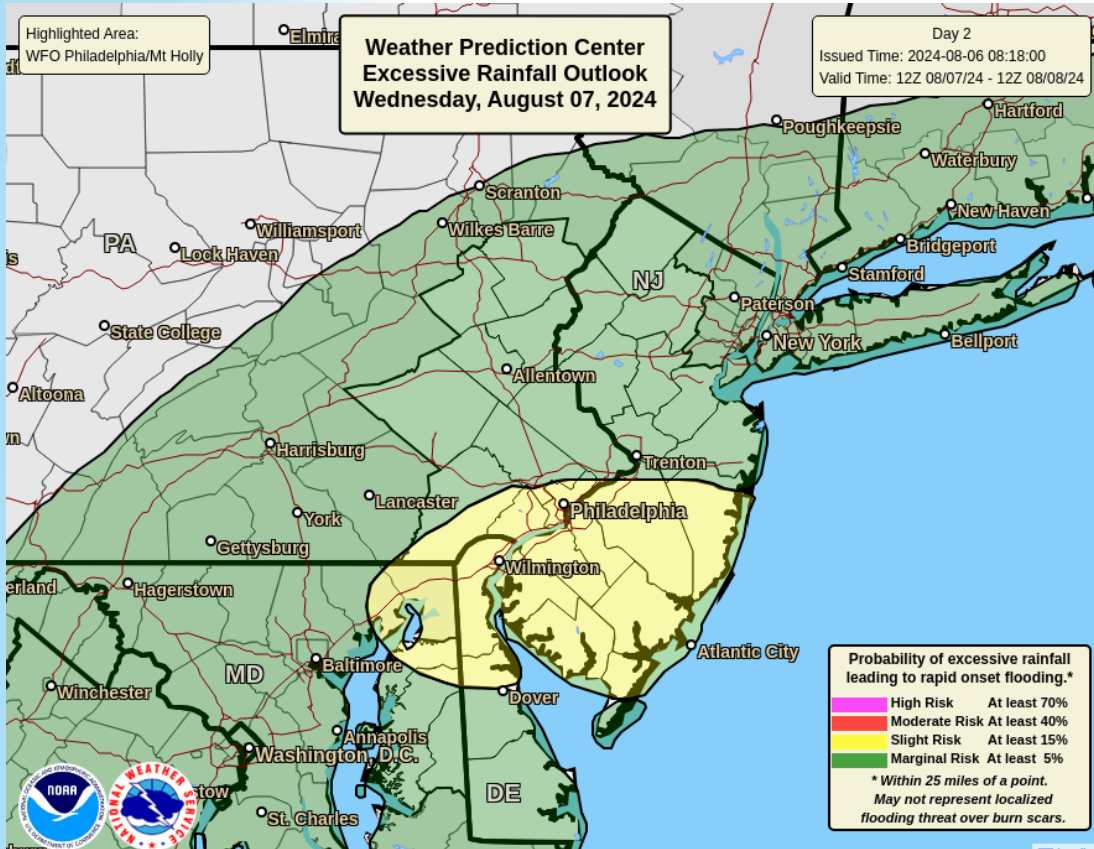


No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely
<a href="http://www.wpc.ncep.noaa.gov">@NWSWPC</a>	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding
	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding
WEATHER PREDICTION CENTER			

- ✓ 1.5 to 2.5 inches of rain with locally higher amounts exceeding 5 inches. Scattered to widespread flash flooding possible in eastern PA and much of NJ.
- ✓ Hourly rainfall rates with the strongest showers and thunderstorms exceeding 2 inches.

# Heavy Rain/Flash Flooding Outlook

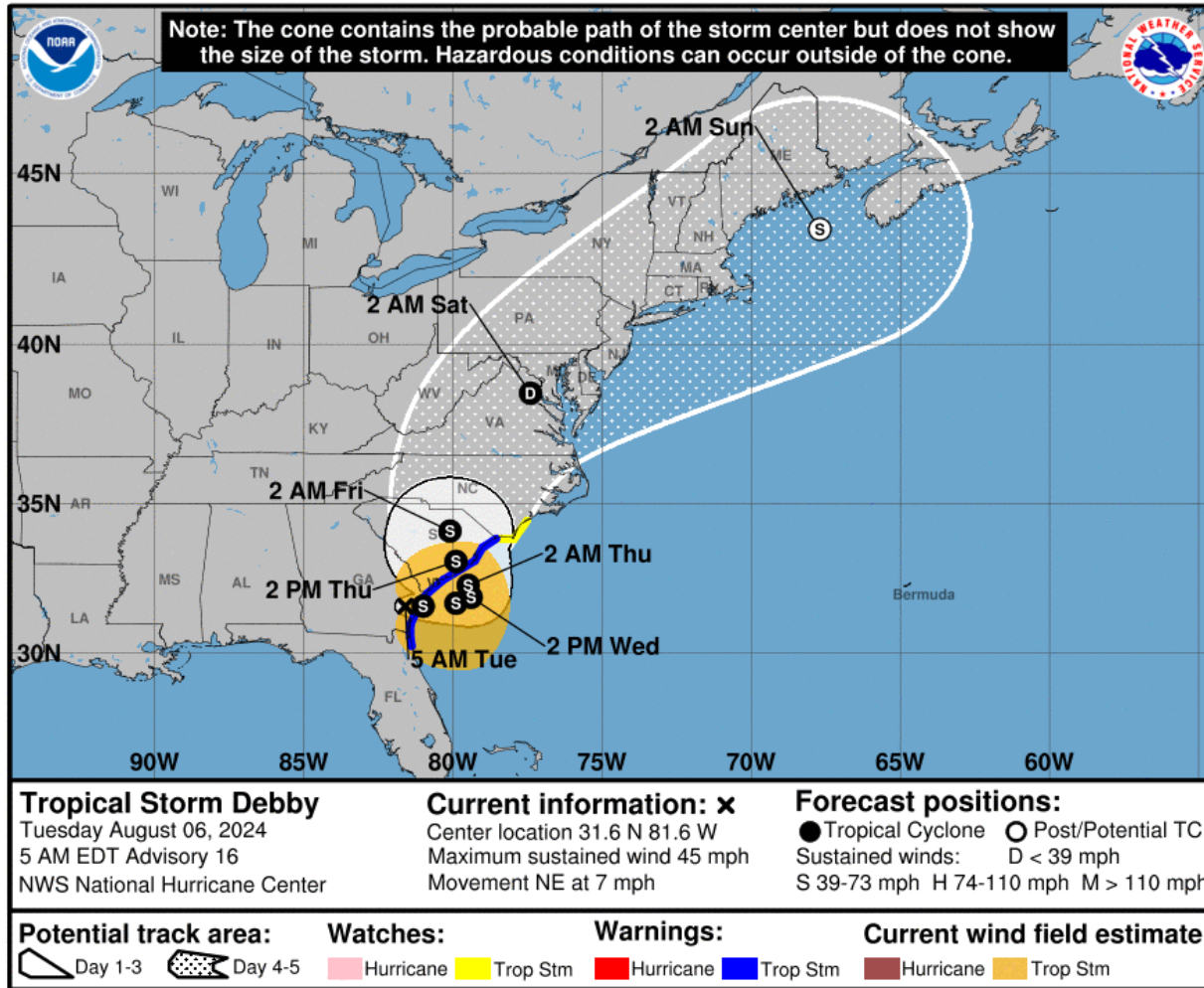
## Wednesday Through Thursday Morning



No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely
	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.
<a href="http://www.wpc.ncep.noaa.gov">@NWSWPC</a>			
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding
	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding
WEATHER PREDICTION CENTER			

✓ Scattered flash flooding possible, especially for southern NJ and northern Delmarva.

# Tropical Storm Debby



- ✓ Tropical Storm Debby will meander across parts of the Southeastern U.S. most of this week. Direct impacts on the Mid-Atlantic area are likely by the end of this week into the weekend.
- ✓ Still high uncertainty with the details to our area, however areas of very heavy rain and flooding are likely late this week.



# Event Summary

- ✓ Some thunderstorms this afternoon into tonight could be severe (Slight Risk, Level 2 out of 5 for much of NJ and eastern PA) with locally damaging downburst wind gusts the main threat. Small hail is possible.
- ✓ Showers and thunderstorms producing very heavy rain this afternoon through Wednesday morning. **Total rainfall amounts will generally range from 1.5 to 2.5 inches with locally higher amounts exceeding 5 inches. Areas of flash flooding are probable mainly for the urbanized portions of New Jersey and eastern Pennsylvania. Hourly rainfall rates with the stronger showers and storms will exceed 2 inches, and where this sets up will result in an increased risk for flash flooding.** A Flood Watch is in effect from 2PM Today through Wednesday morning. This includes all of eastern PA and much of NJ.
- ✓ Heavy Rain/Flash Flooding potential continues into Thursday.
- ✓ Tropical Storm Debby will meander across parts of the Southeastern U.S. most of this week. While there is high uncertainty regarding the details for our region, areas of very heavy rain and flooding are likely late this week.
  - ✓ More information on potential impacts and the timing of potential impacts in our region will be available in the coming days.
  - ✓ Please see [www.hurricanes.gov](http://www.hurricanes.gov) for the latest information on this system.

# Contact and Next Briefing Information



**Next Briefing**  
*When: By 6 PM,  
August 6, 2024*



**Briefing Webpage:**  
[www.weather.gov/media/phi/current\\_briefing.pdf](http://www.weather.gov/media/phi/current_briefing.pdf)



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