



# TROPICAL STORM ISAIAS BRIEFING

Noon ET

Monday, August 3, 2020

*Prepared by: WFO Philadelphia/Mount Holly*

What has changed: Tropical Storm Warnings expanded farther inland along the I-95 corridor and northwestern NJ

*Disclaimer: The information contained within is time-sensitive. Do not use after 7:00pm EDT Monday.*



# Situation Overview

Tropical Storm Isaias



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Hazard	Impacts	Location	Timing
<b>Wind</b> 	Tropical storm force winds could lead to scattered tree and power line damage. Gusts of near hurricane force (>73mph) are possible near the NJ and DE coasts.	Along and southeast of the Interstate 95 corridor (Areas covered within the Tropical Storm Watch and Warning.)	Tuesday morning into Tuesday evening.
<b>Storm Surge/ Inundation</b> 	There is the potential for minor inundation, with locally moderate inundation on Chesapeake Bay.	Northeastern Chesapeake Bay, Delaware Bay, tidal Delaware River, coasts of New Jersey and Delaware.	Tuesday morning and Tuesday evening high tides.
<b>Flooding Rain</b> 	Significant amounts of rainfall will likely cause flash flooding across the region, and some main stem river flooding, not including the main stem Delaware River.	Possible across the region, but especially along and west of the I-95 corridor.	Tonight through Tuesday night.
<b>Tornado</b> 	Isolated tornadoes are possible.	Primarily over Delaware and New Jersey.	Daytime Tuesday.
<b>Marine</b> 	There is the potential for very dangerous conditions due to high winds and seas.	All coastal and nearshore waters.	Tonight through Tuesday night.

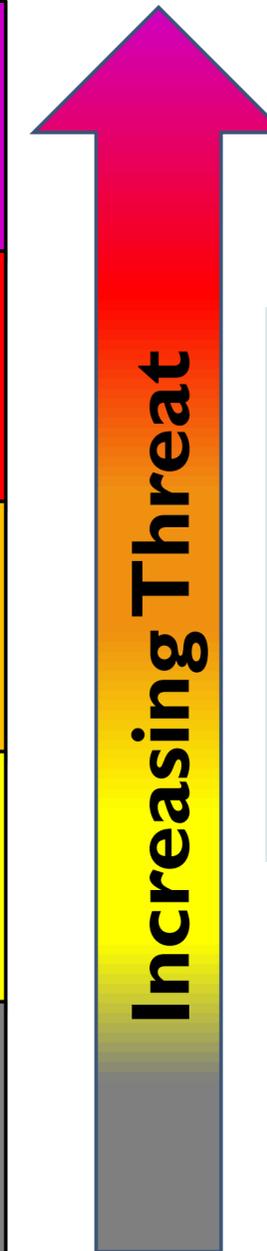
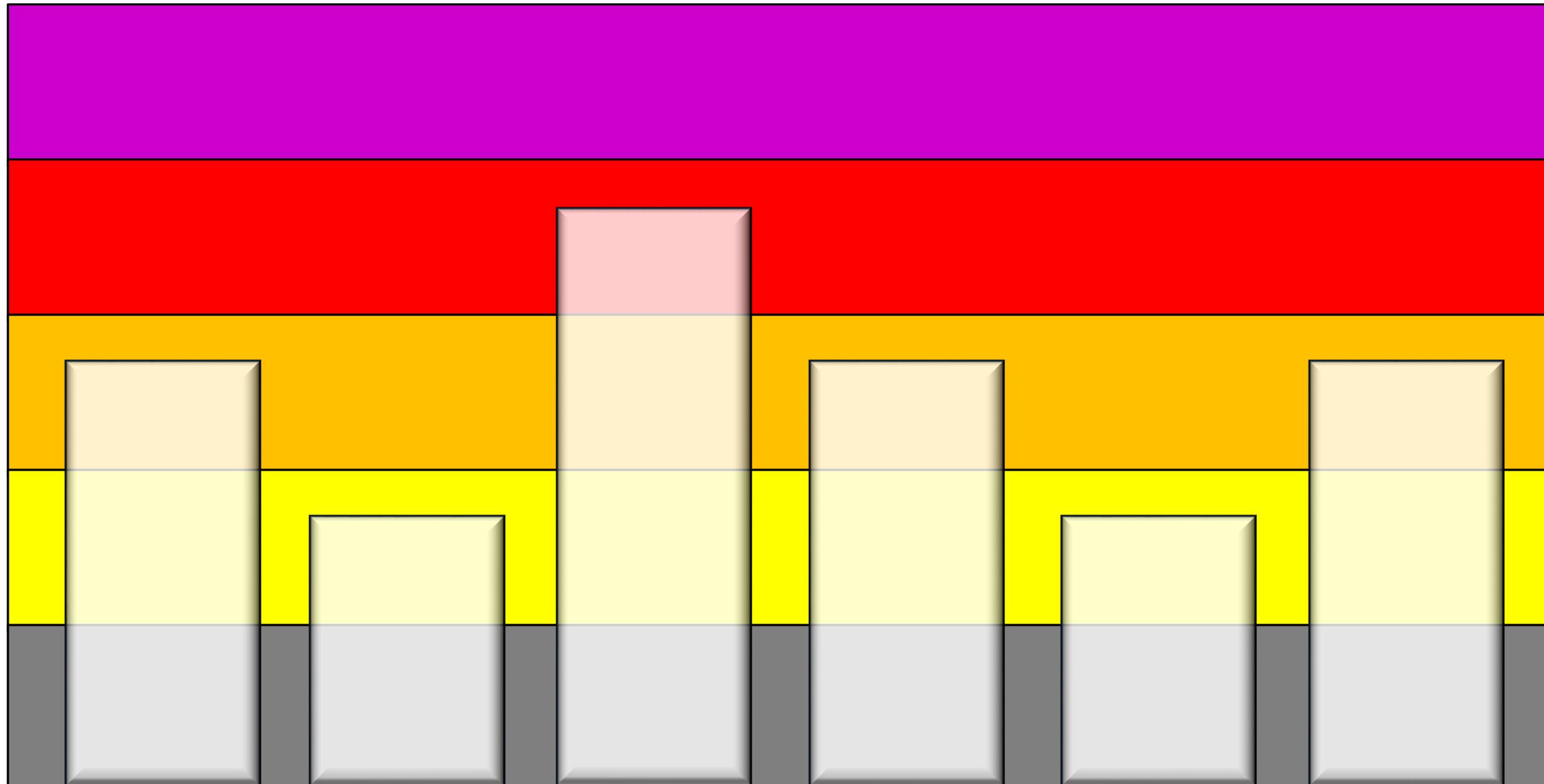
# Threat Levels

Tropical Storm Isaias



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For information on specific hazards in this area, please go to <https://www.weather.gov/srh/tropical?office=phi>

Wind

Surge

Rainfall/  
Flash Flooding

River  
Flooding

Tornadoes

Marine

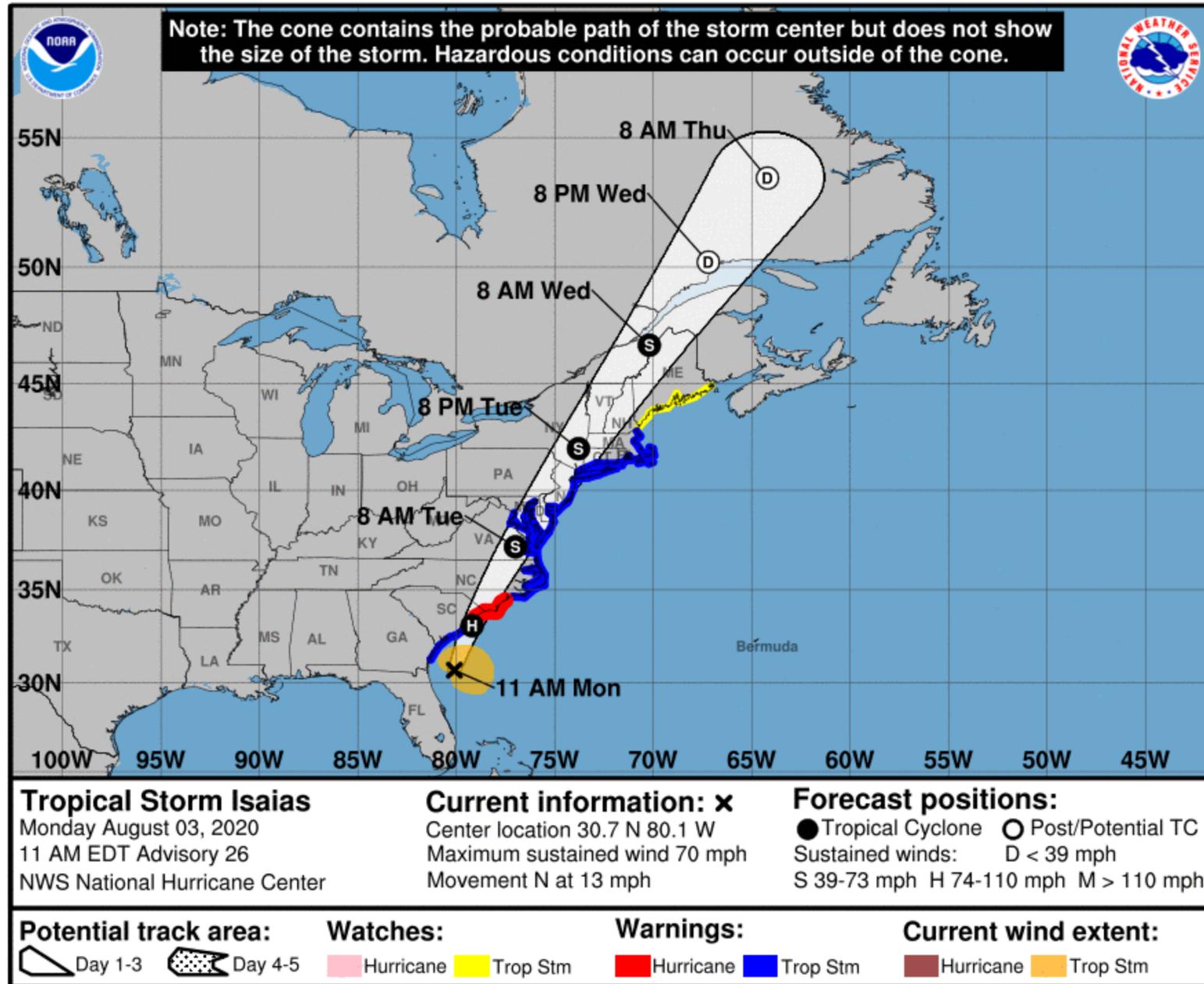
# Situation Overview

## Tropical Storm Isaias



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- The primary concern with Isaias remains heavy rain leading to flash flooding. Some river flooding is possible, but is not expected along the main stem of the Delaware River.
- A Tropical Storm Warning has been issued for areas along and southeast of the I-95 corridor. The Tropical Storm Watch is no longer in effect.
- The greatest impacts are expected early Tuesday morning into Tuesday evening.

**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

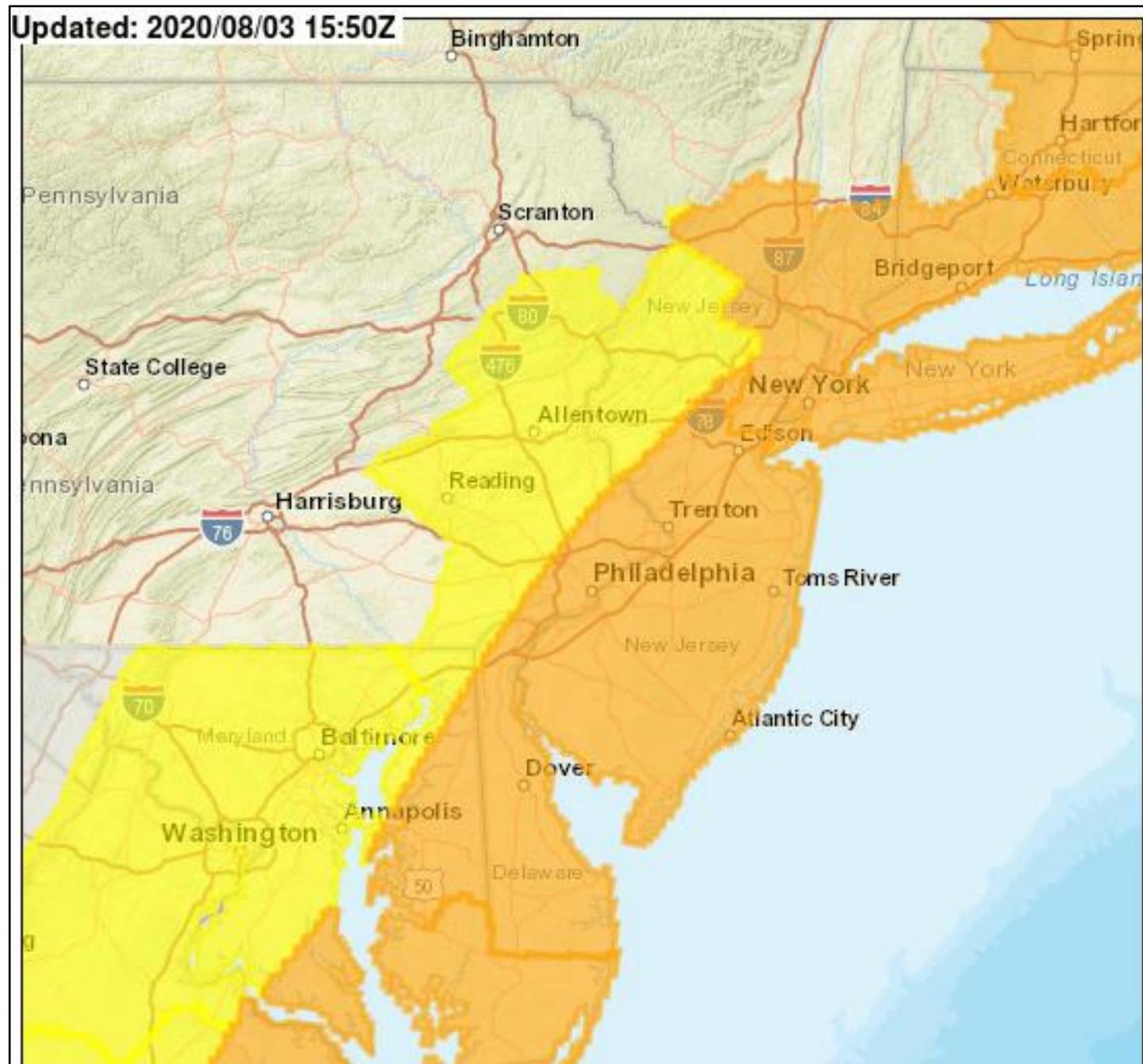
# Wind Threat / Potential Impact



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There is a potential for:

- Scattered tree damage and power outages, especially in the orange shaded area
- Isolated instances of structural damage especially near the coast, where wind gusts to near hurricane strength are possible.

## Wind Threat

Potential for wind greater than 110 mph	Potential for wind 74 to 110 mph	Potential for wind 58 to 73 mph	Potential for wind 39 to 57 mph	Wind less than 39 mph
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# TS Wind Speed Probabilities

Tropical Storm Isaias

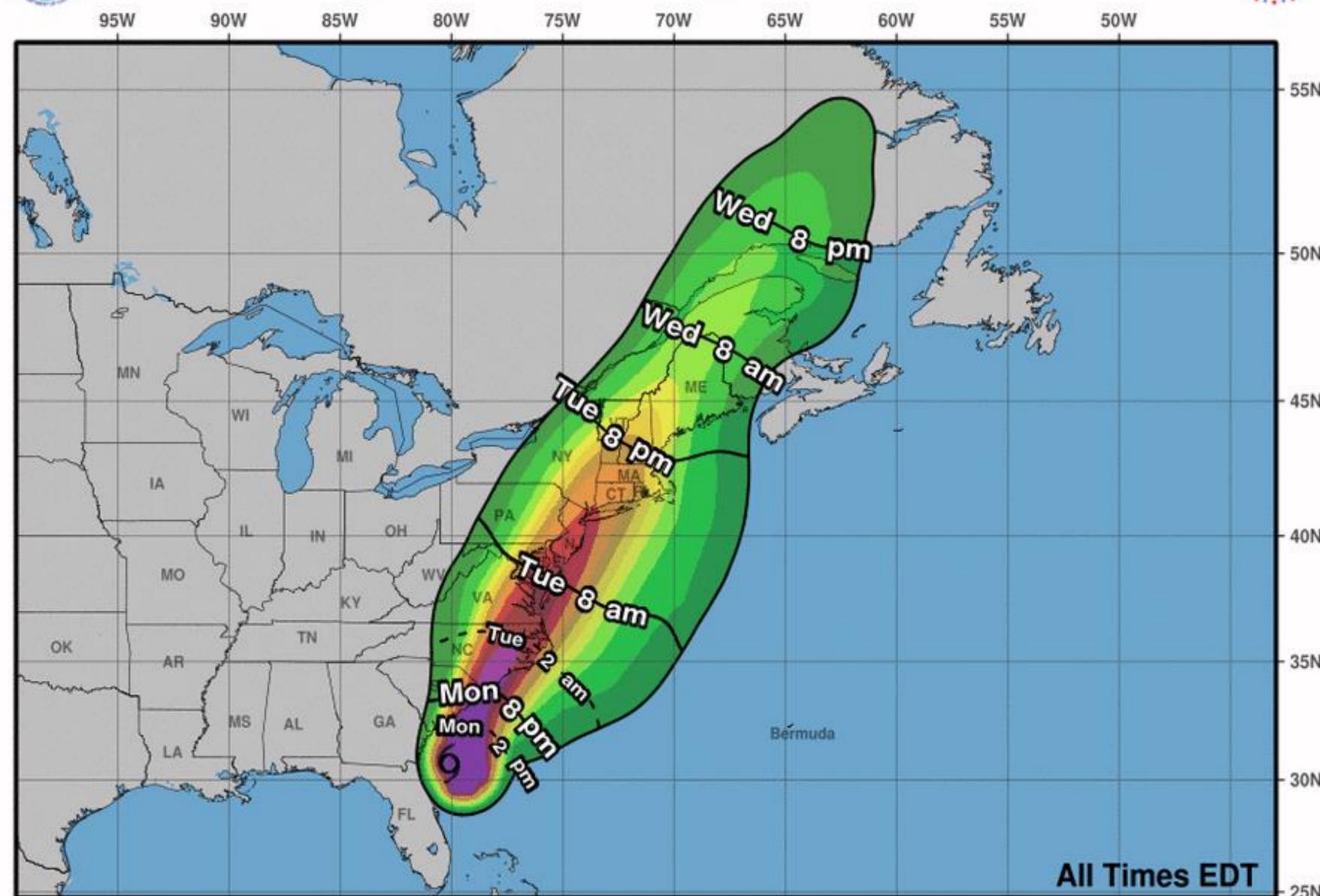


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## Most Likely Arrival Time of Tropical-Storm-Force Winds



- The most likely time of arrival of tropical storm force winds along and southeast of I-95 is mid to late Tuesday morning.
- However, this area could see Tropical Storm Force Winds as early as daybreak Tuesday.
- Note the timing of the arrival of tropical storm force winds has sped up slightly

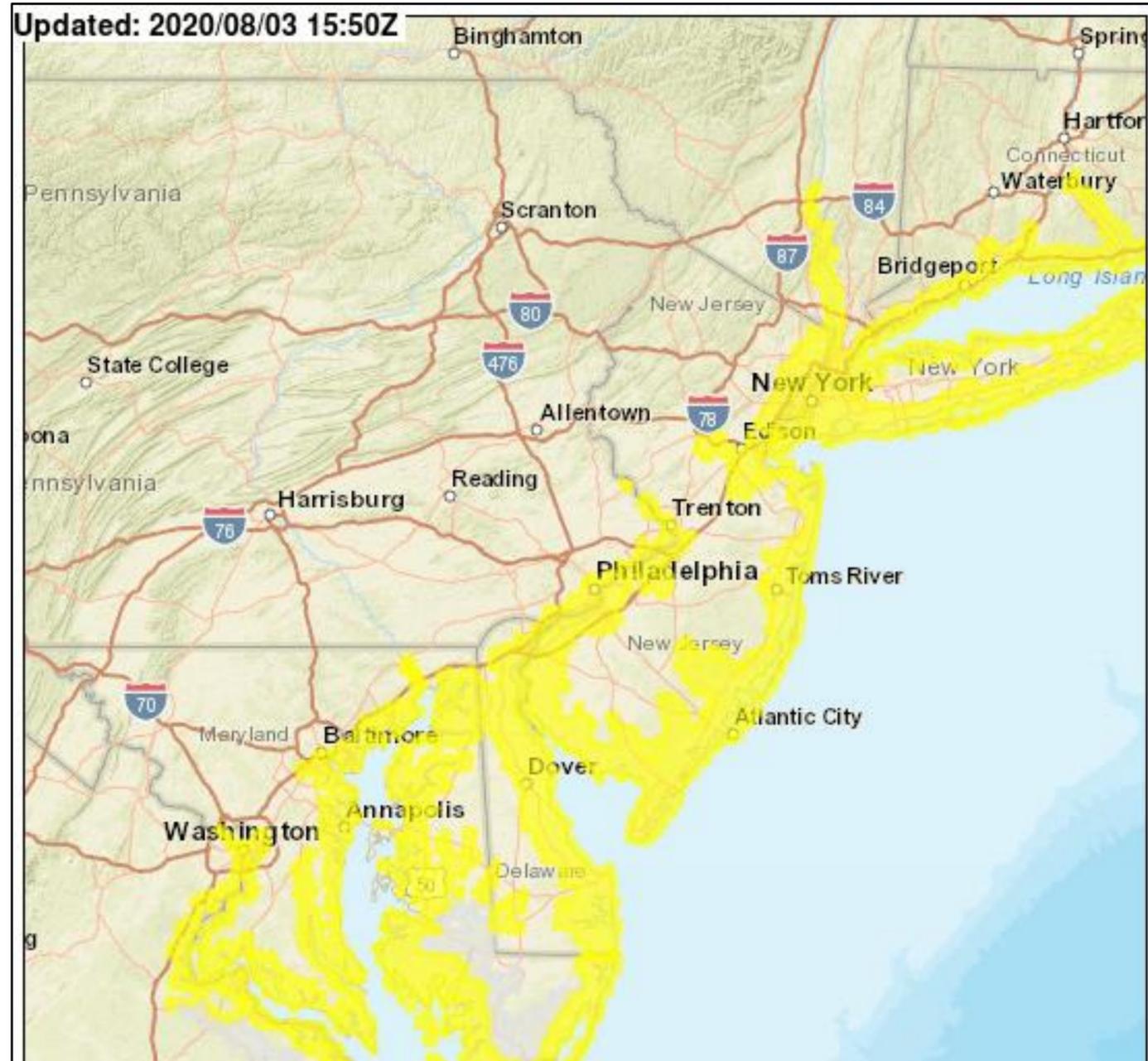
# Potential Storm Surge Impacts

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There is a potential for:

- 1 to 3 feet of storm surge inundation in the yellow shaded regions
- Minor to locally moderate coastal flooding (especially in Chesapeake Bay) is possible due to this storm surge

### Storm Surge Threat

Potential for storm surge flooding greater than 9 ft above ground	Potential for storm surge flooding greater than 6 ft above ground	Potential for storm surge flooding greater than 3 ft above ground	Potential for storm surge flooding greater than 1 ft above ground	Little to no storm surge flooding
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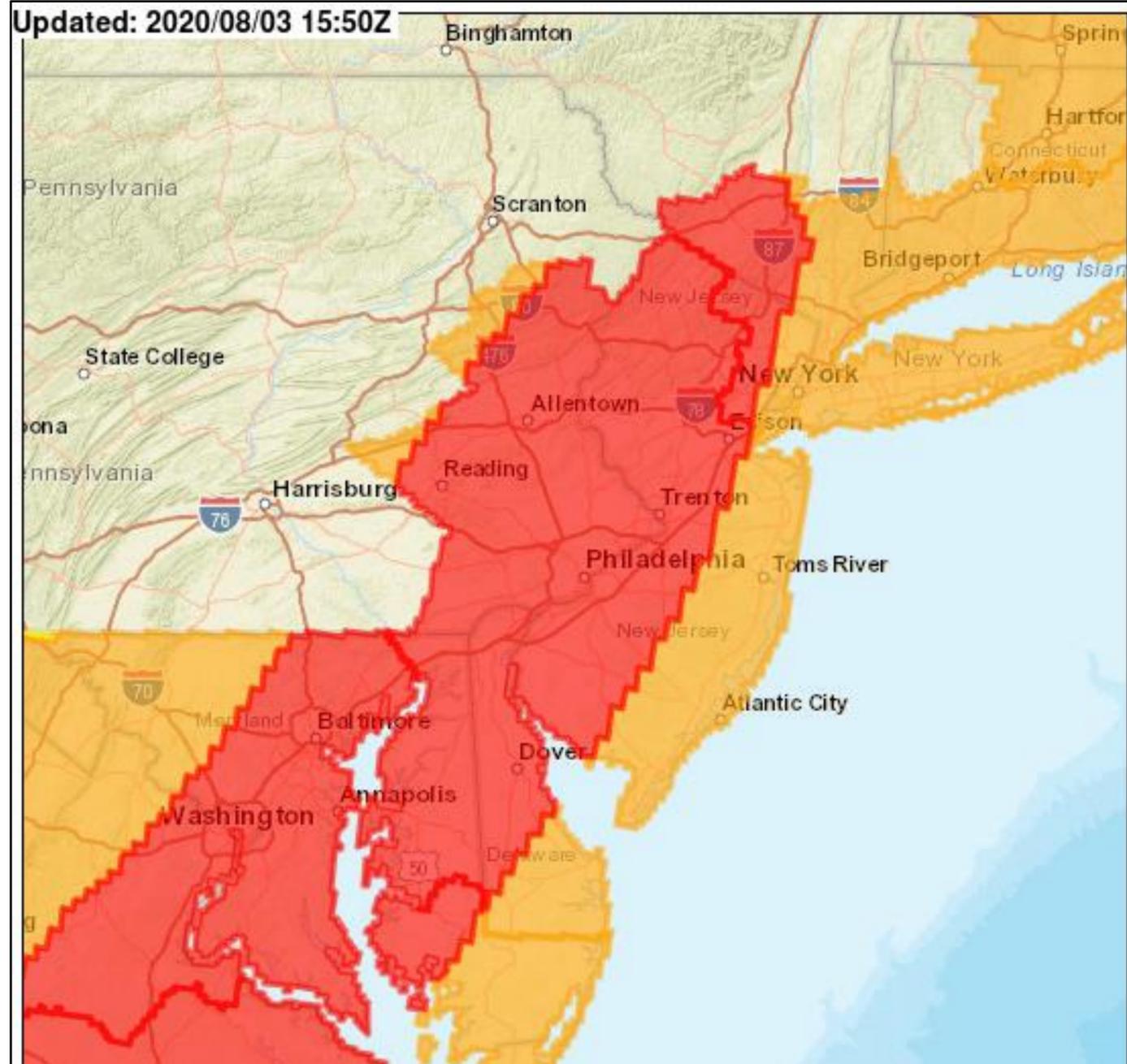
# Inland Flooding Impacts

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- Areas shaded in red have the greatest potential for flash flooding from late tonight through Tuesday.

### Flooding Rain Threat

Potential for extreme flooding rain	Potential for major flooding rain	Potential for moderate flooding rain	Potential for localized flooding rain	Little to no potential for flooding rain
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# Expected Storm Total Rainfall

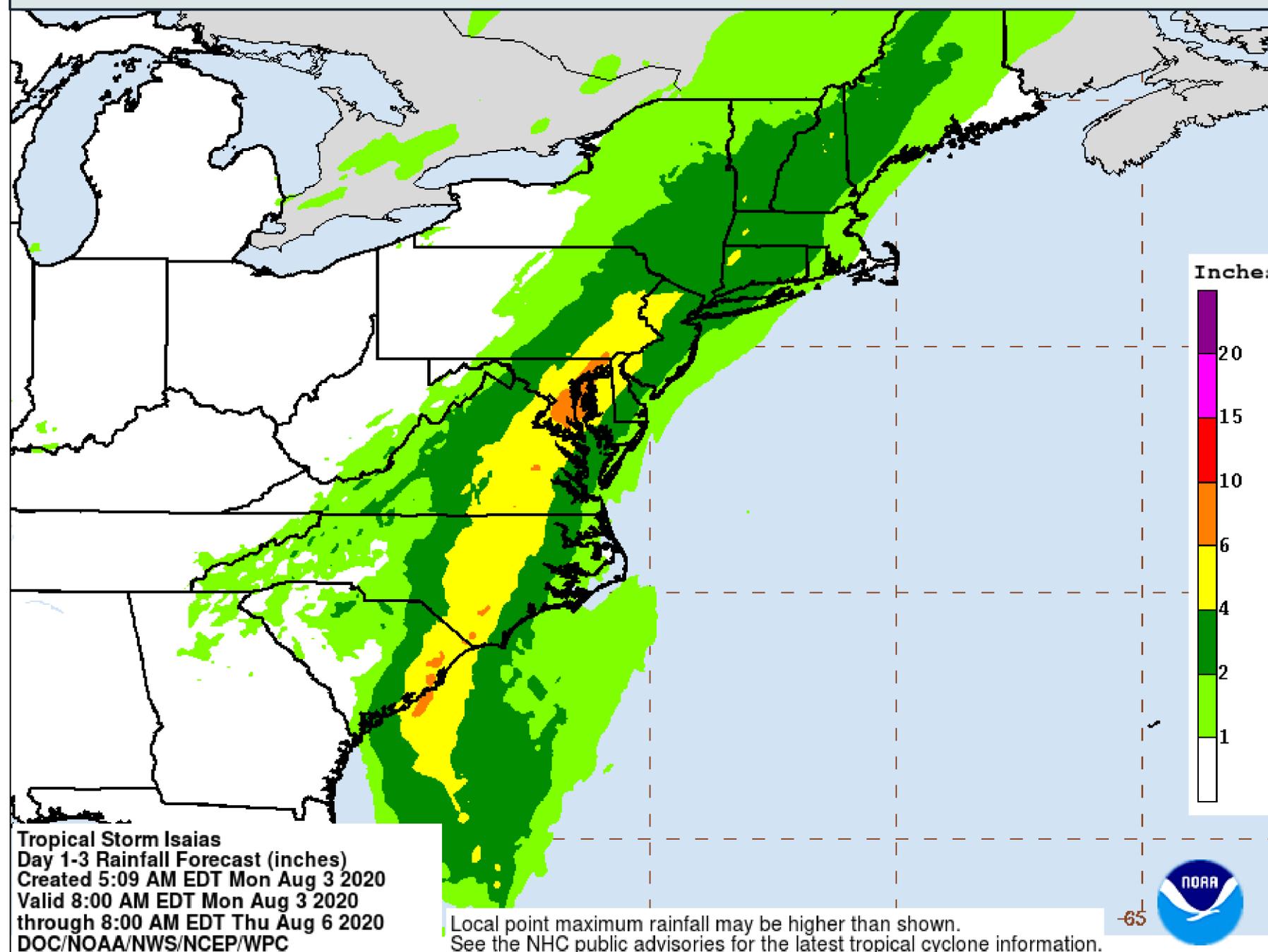
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**Note:** There will likely be locally higher amounts



- Storm Total rainfall forecast valid through the duration of the storm.
- In our area, the most rain will occur between tonight and early Tuesday night.
- Locally higher amount possible.
- Heavy rainfall leading to flash flooding is our primary concern with this storm.

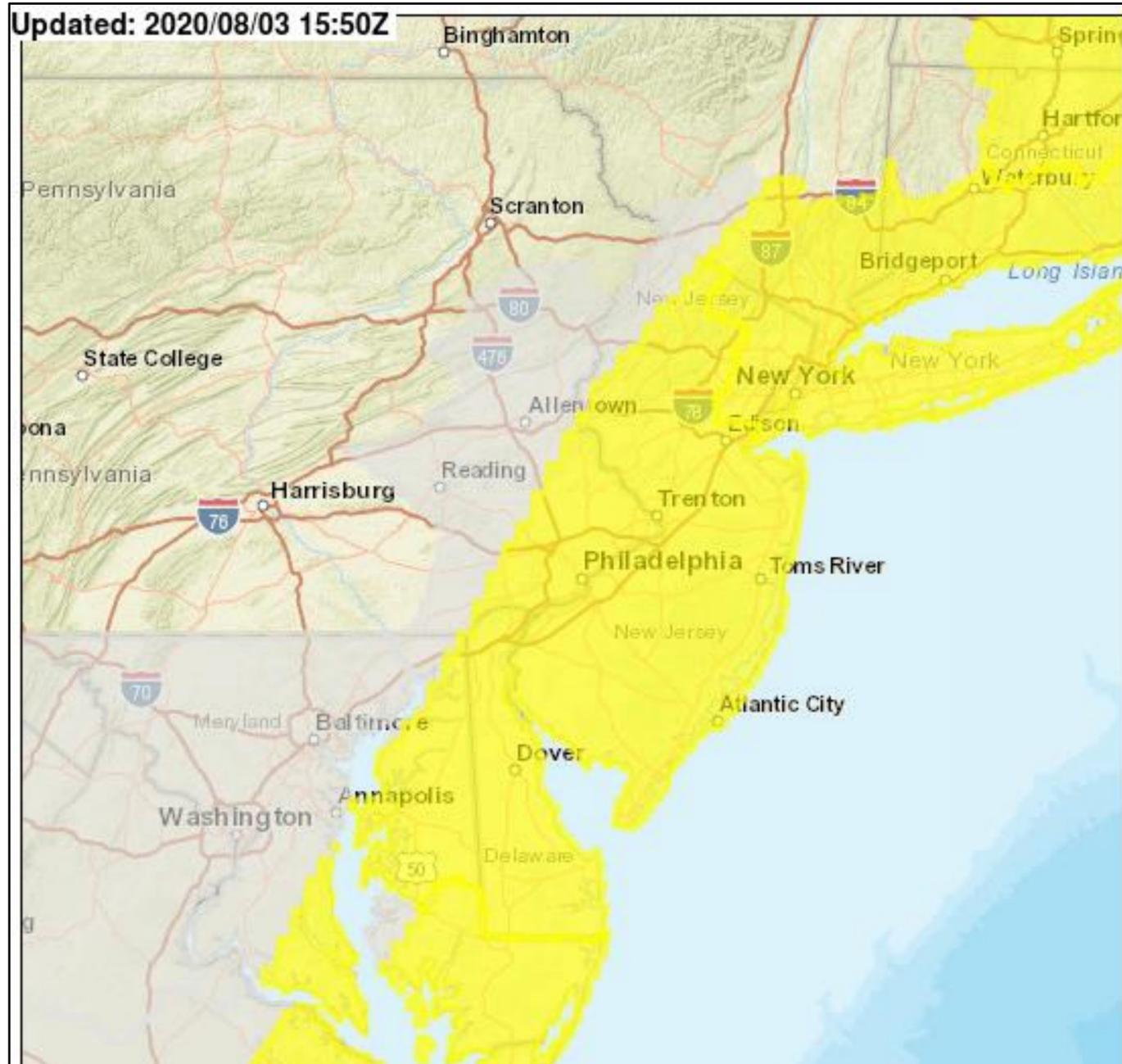
# Potential Tornado Impacts

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- Main threat of isolated tornadoes would be during the daytime hours Tuesday.

### Tornado Threat

Potential for outbreak of tornadoes	Potential for many tornadoes	Potential for several tornadoes	Potential for a few tornadoes	Tornadoes not expected
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# Key Take-Aways

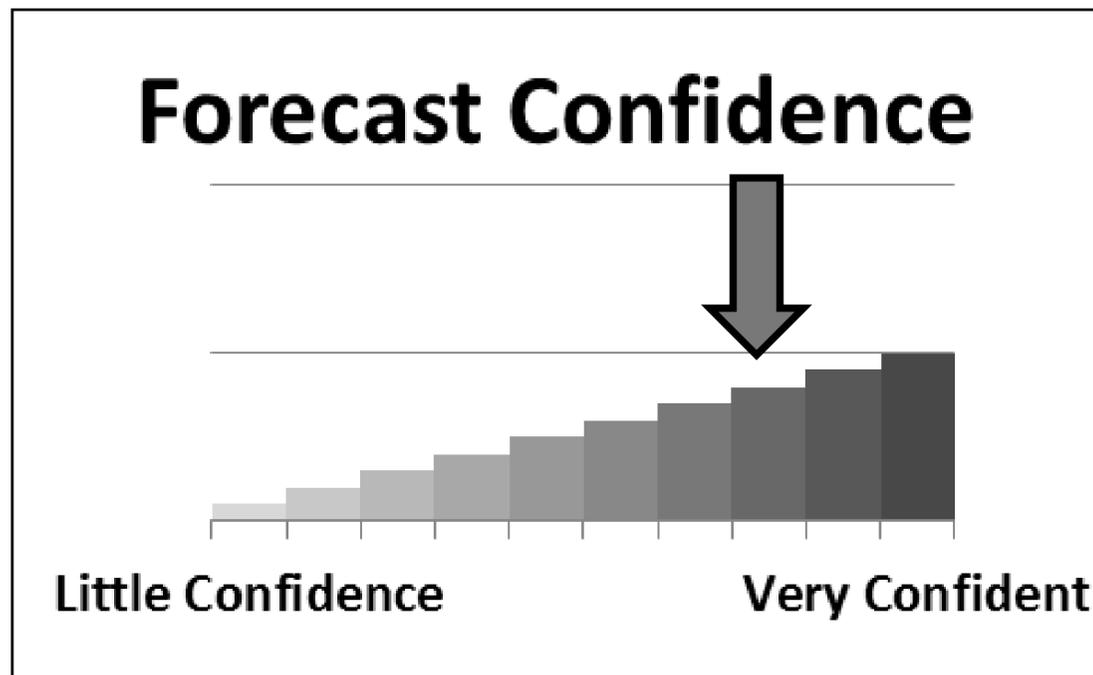
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- Heavy rain leading to flash flooding is likely across the region tonight through Tuesday night. Some river flooding is also possible.
- Tropical storm force winds are likely, primarily along and southeast of the I-95 corridor Tuesday morning into Tuesday evening. Wind gusts to near hurricane strength are possible near the coast.
- Increased swells and rip current risk will continue along the coast through at least Wednesday.



We have increased confidence in the track and intensity of Isaias, and expect areas of significant flash flooding. We are also more confident of strong winds especially near the coast. Confidence has increased for strong winds farther inland across the Philadelphia metro area and northwestern New Jersey.



*The Next Briefing:  
By Monday 7:00 PM EDT*



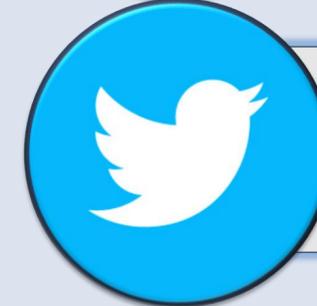
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*For the latest graphics and information go to: [www.hurricanes.gov](http://www.hurricanes.gov) or [weather.gov/phi/tropical](http://weather.gov/phi/tropical)*

