



HURRICANE ISAIAS BRIEFING

Midnight ET

Tuesday, August 4, 2020

Prepared by: WFO Philadelphia/Mount Holly

What has changed: Coastal Flood Advisory expanded to include the tidal Delaware River down to the Commodore Barry Bridge area.

Next Briefing: By Tuesday, August 4th, at 7 AM EDT

Disclaimer: The information contained within is time-sensitive. Do not use after 7 AM EDT Tuesday.








Situation Overview

Hurricane Isaias



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Hazard	Impacts	Location	Timing
Wind 	Tropical storm force winds will lead to tree and power line damage. Gusts of near hurricane force (>73mph) are possible near the NJ and DE coasts.	Southeast Pennsylvania, areas along and southeast of the I-95 corridor, and northwest New Jersey (Areas covered within the Tropical Storm Warning).	This morning into this evening.
Storm Surge/ Inundation 	Minor inundation is expected, with moderate inundation on Chesapeake Bay.	Northeastern Chesapeake Bay, Delaware Bay, tidal Delaware River, coasts of New Jersey and Delaware.	This morning into the evening high tides.
Flooding Rain 	Significant amounts of rainfall will cause flash flooding across the region, along with stream flooding 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.	Through tonight.
Tornado 	Isolated tornadoes are possible.	Urban Corridor into Delaware and New Jersey.	Daytime today.
Marine 	Very dangerous conditions due to high winds and seas.	All coastal and nearshore waters.	Through tonight.

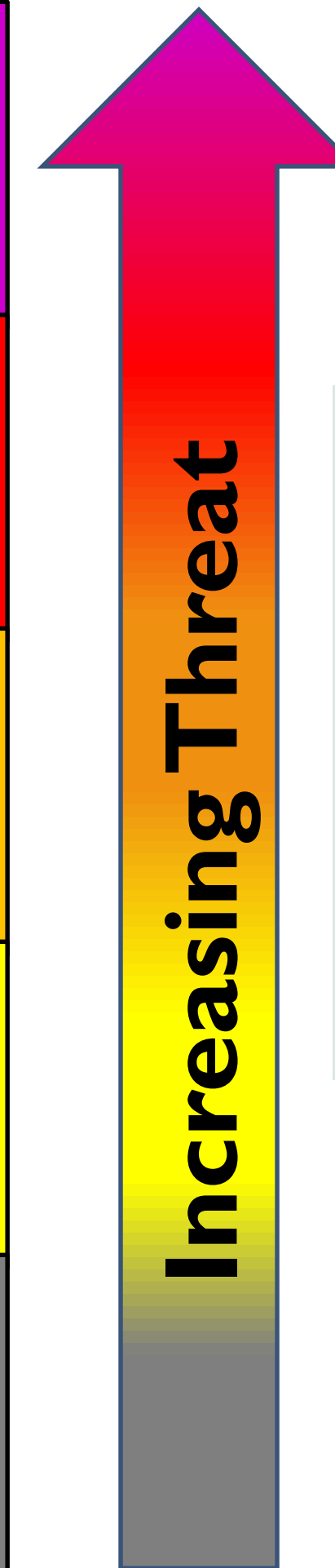
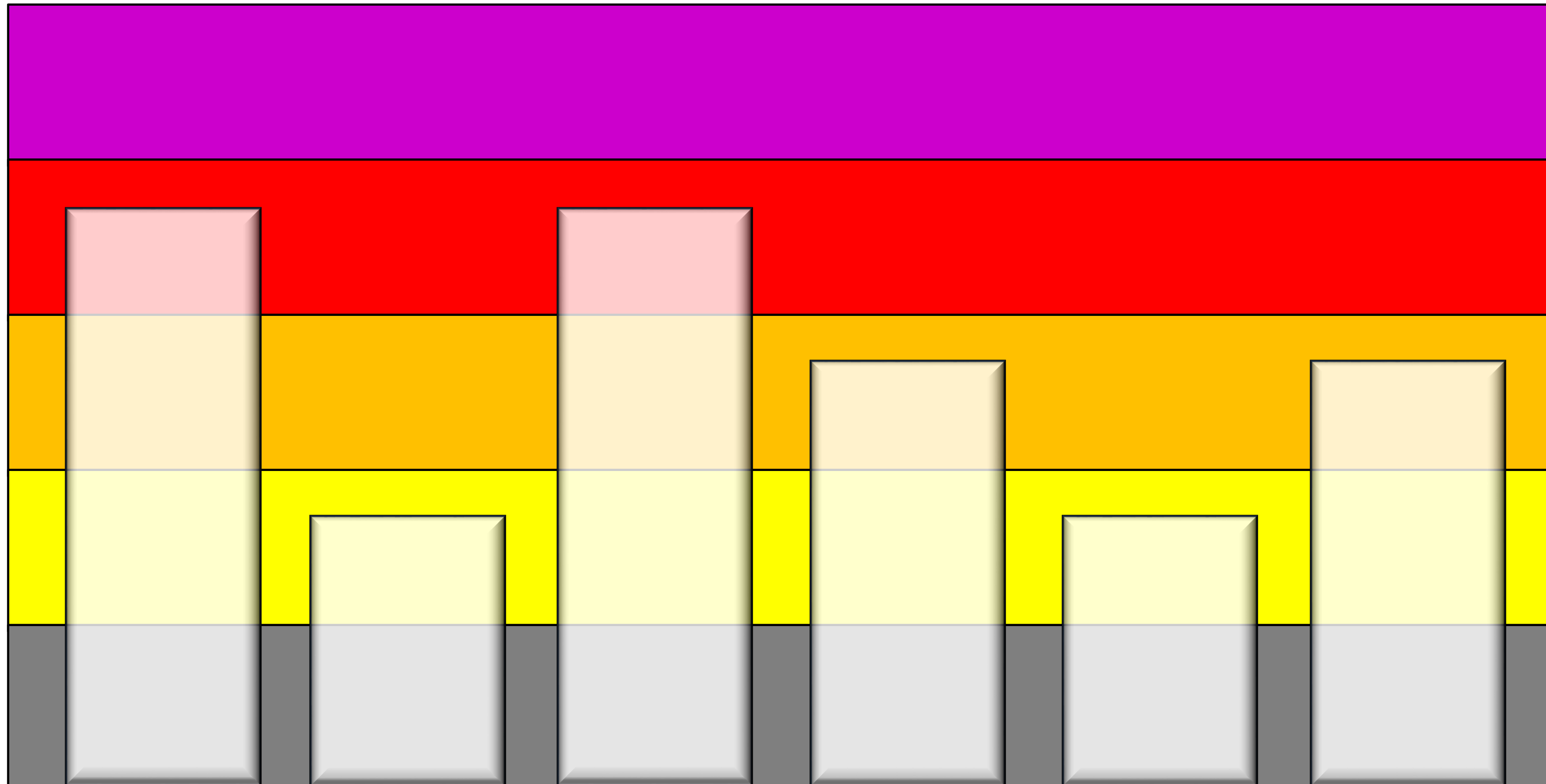
Threat Levels

Hurricane 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

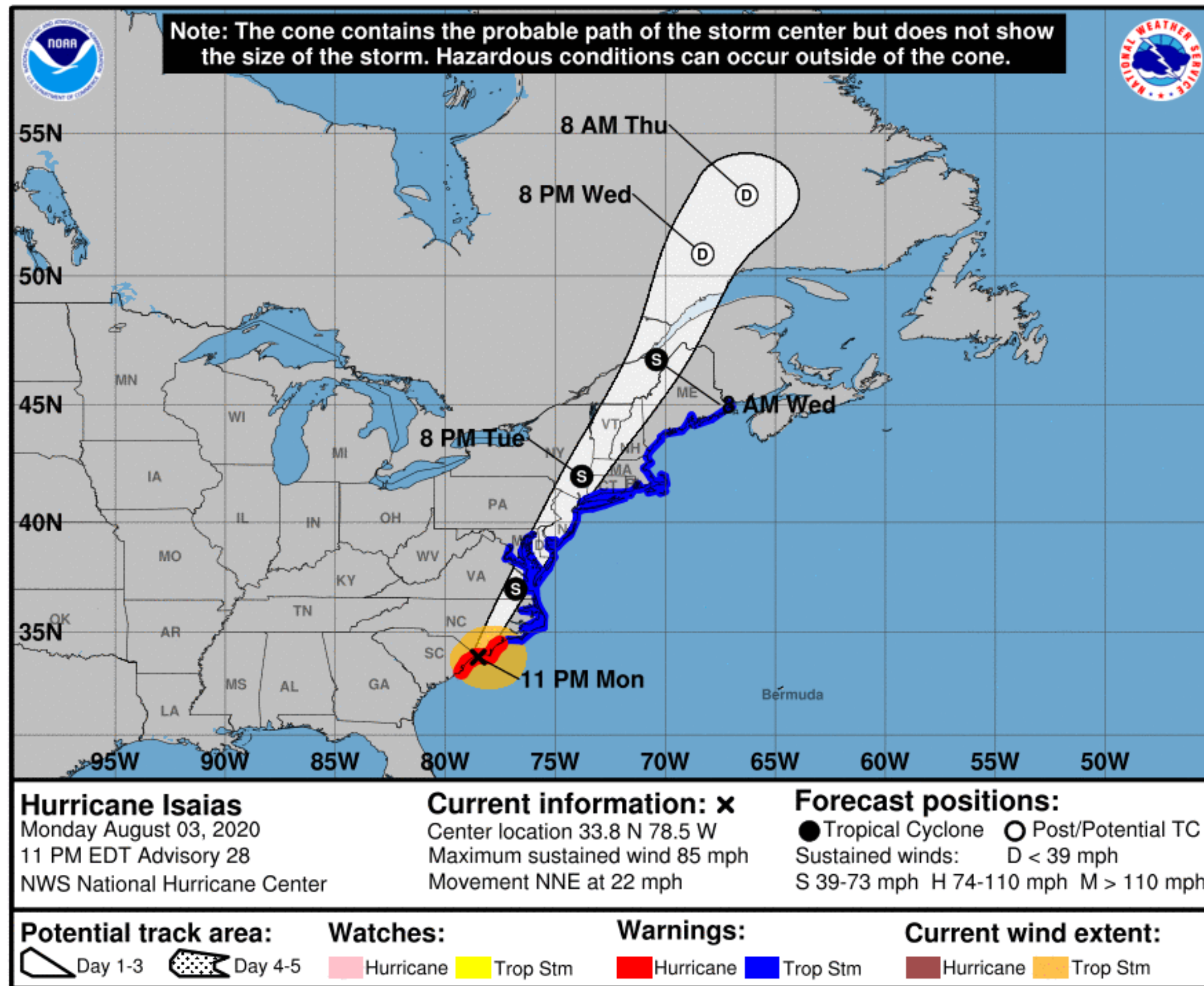
Situation Overview

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- There are two primary concerns with Isaias, heavy rain leading to flash flooding and strong to damaging winds. Stream flooding and some river flooding is expected, but flooding is not expected along the main stem of the Delaware River.
- A Tropical Storm Warning continues for southeast Pennsylvania, areas along and southeast of the I-95 corridor, and northwest New Jersey.
- The greatest impacts are expected early this morning into this evening.

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

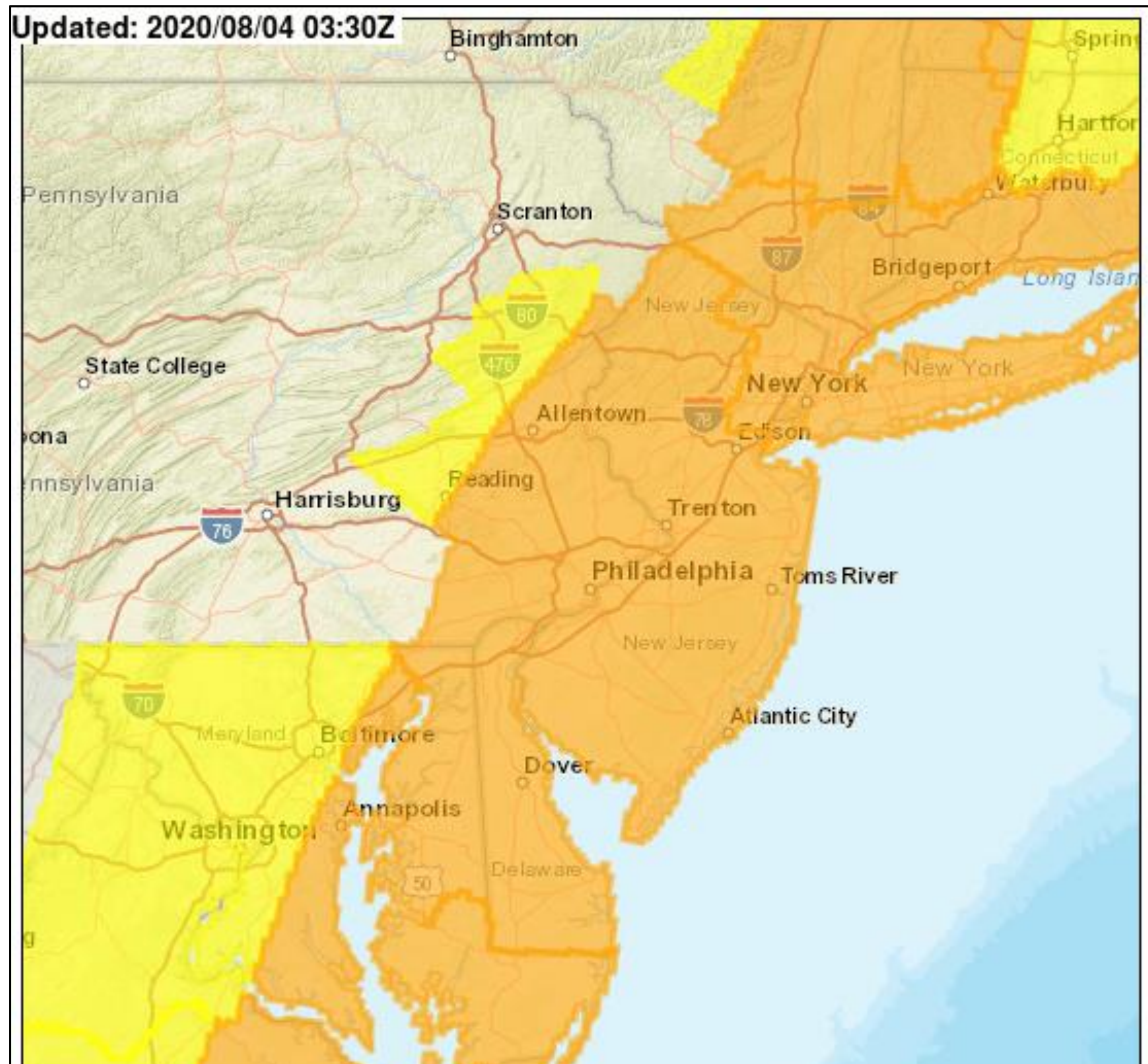
Wind Threat / Potential Impact

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

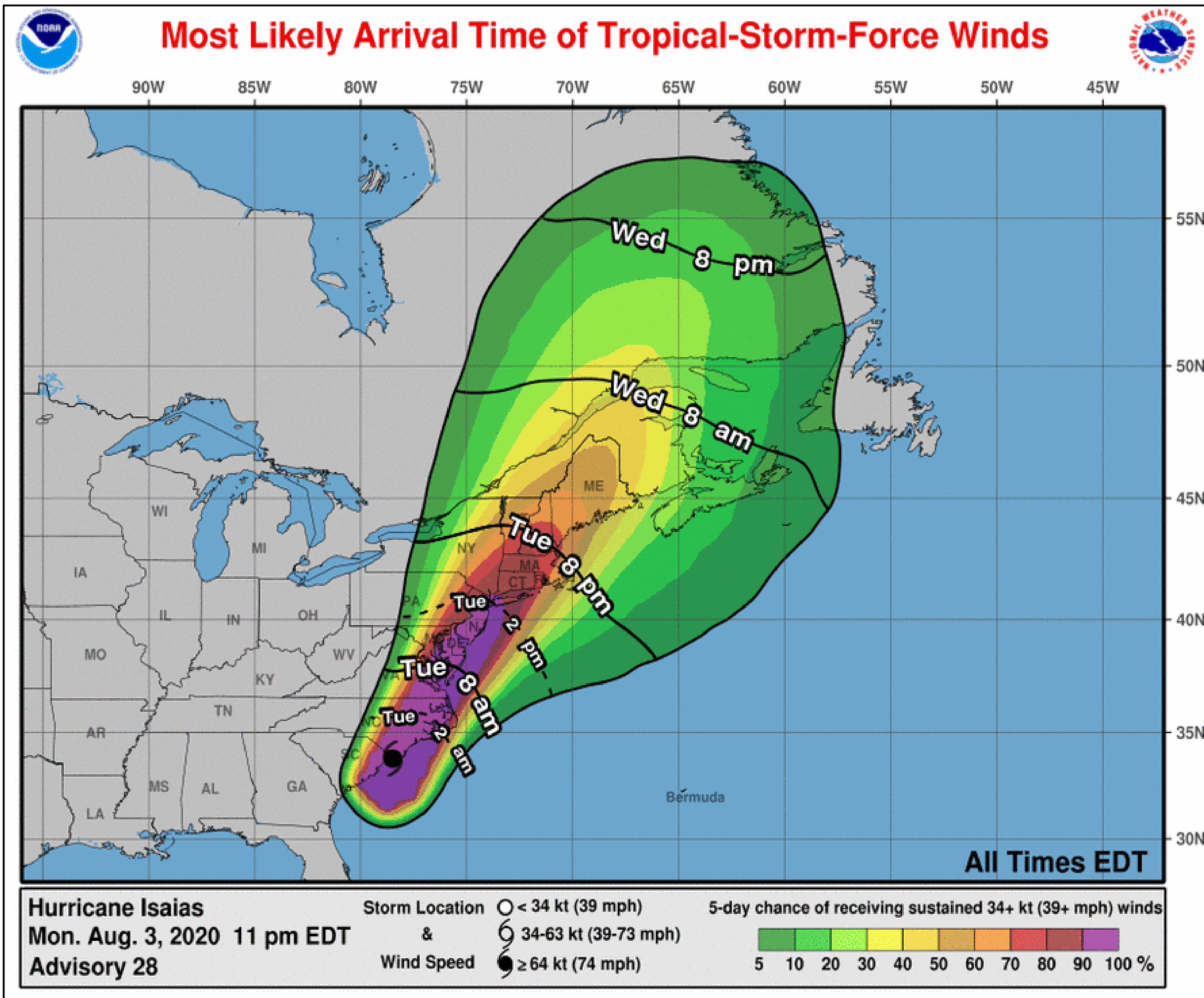
Most Likely Time of Arrival

Hurricane Isaias



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- The most likely time of arrival of tropical storm force winds across southeast Pennsylvania and areas along and southeast of the I-95 corridor is mid to late this morning.
- The most likely time of arrival of tropical storm force winds across northwest New Jersey is early this afternoon.
- However, this area could see Tropical Storm Force Winds as early as daybreak today.

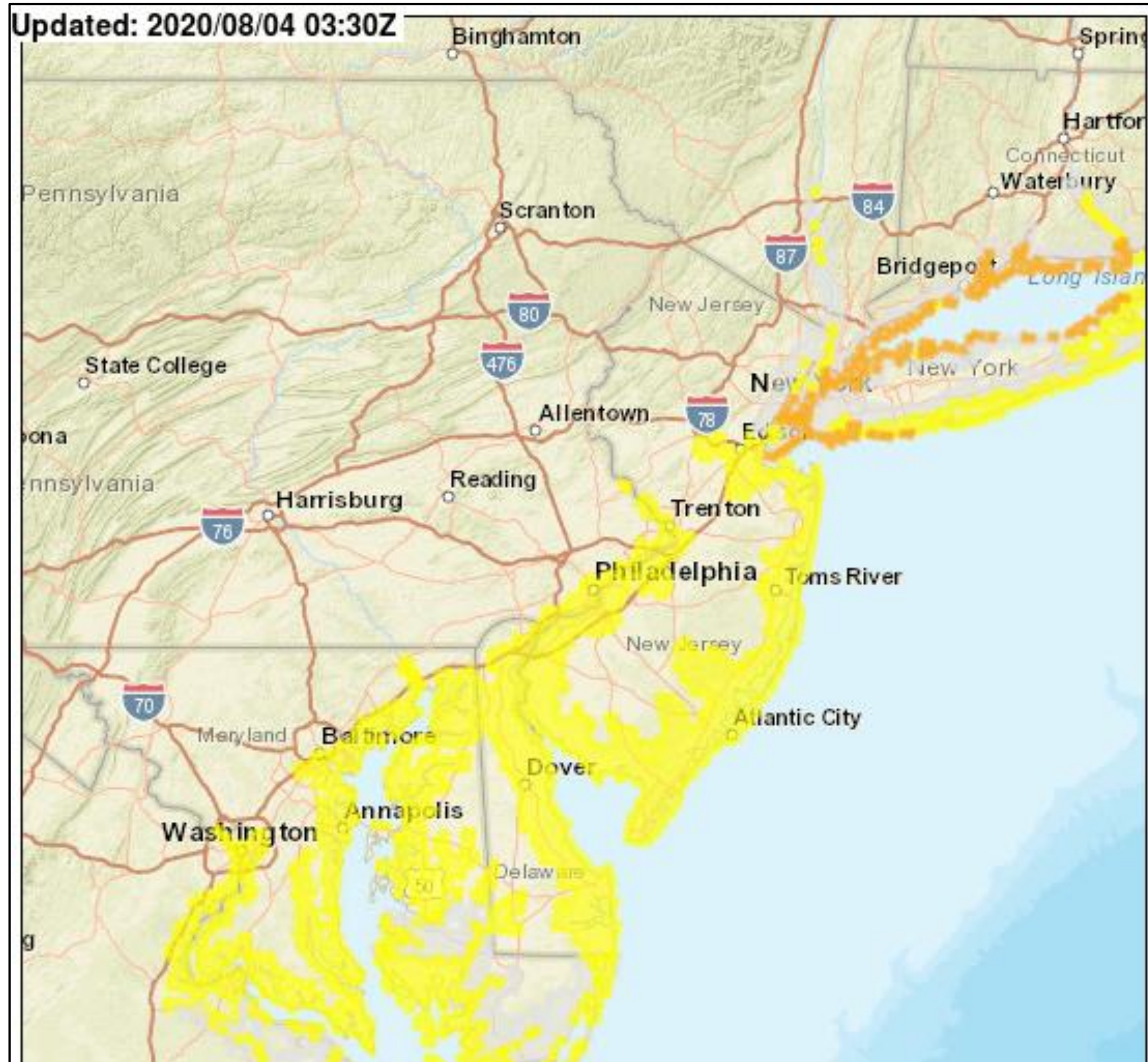
Potential Storm Surge Impacts

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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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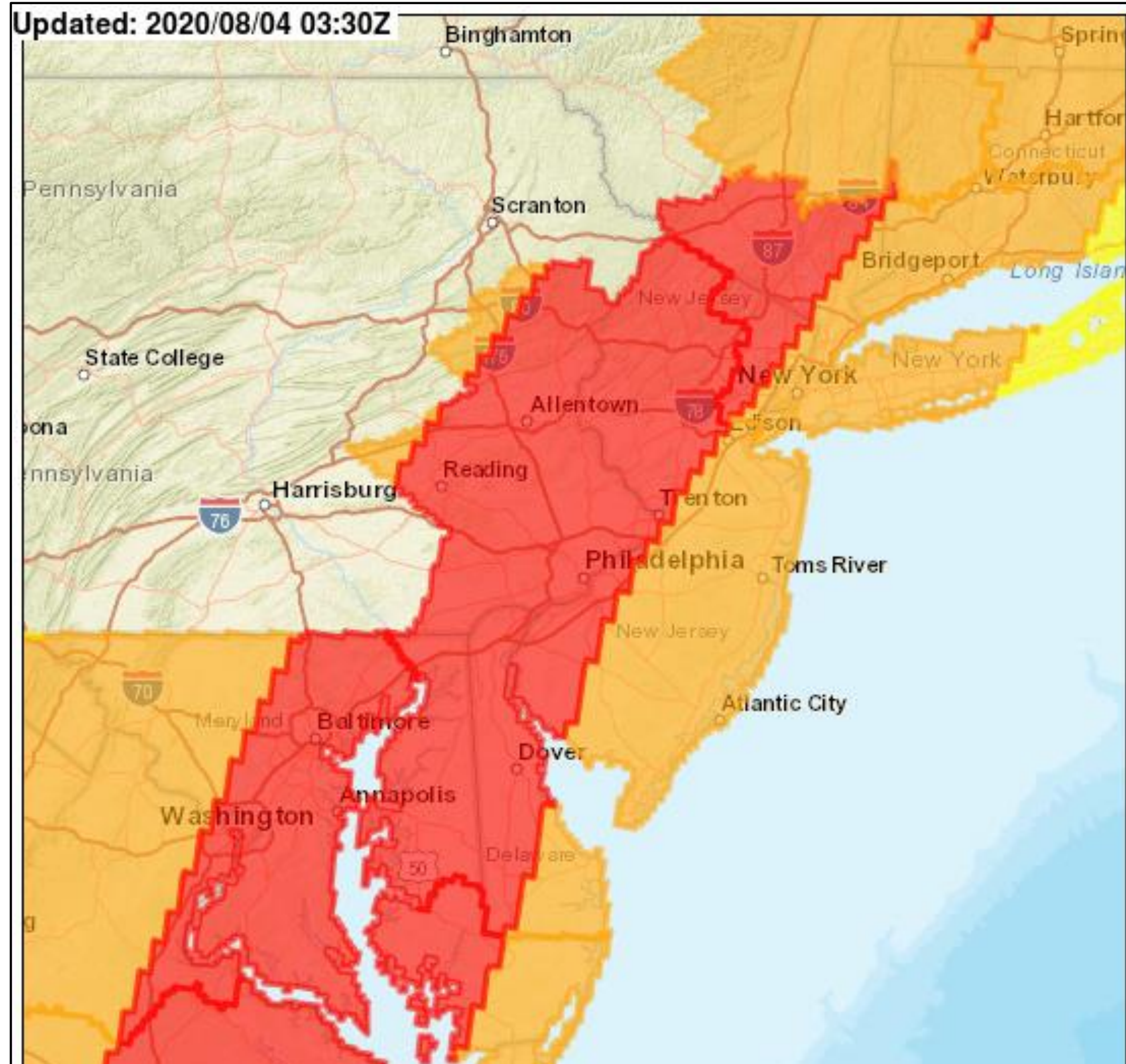
Inland Flooding Impacts

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- Areas shaded in red have the greatest potential for flash flooding today.

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

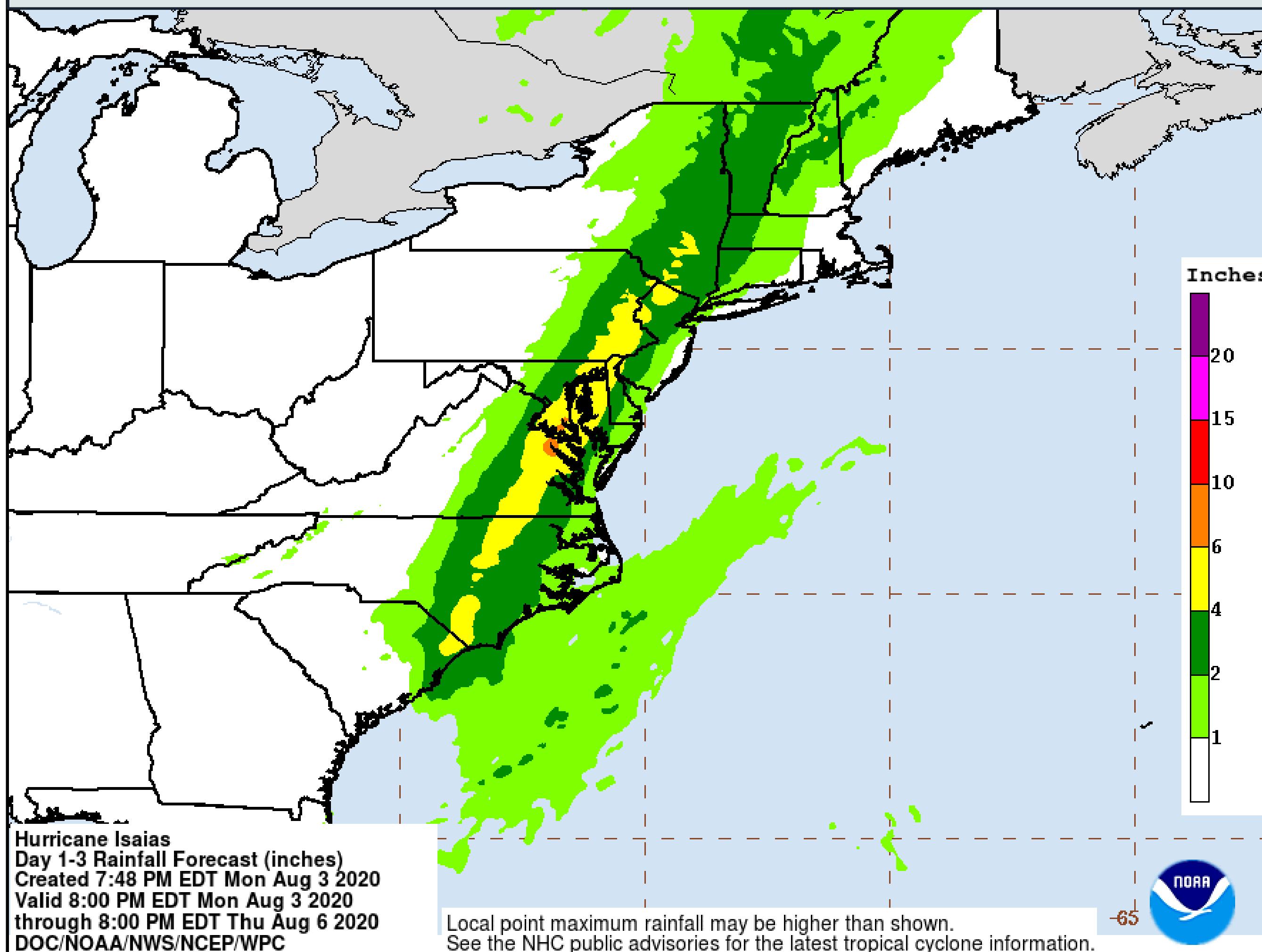
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Note: There will likely be locally higher amounts



- Storm Total rainfall forecast valid through 8 PM Thursday.
- Locally, most rain will occur this morning into evening.
- Locally higher amounts possible.
- Heavy rainfall leading to flash flooding is expected.

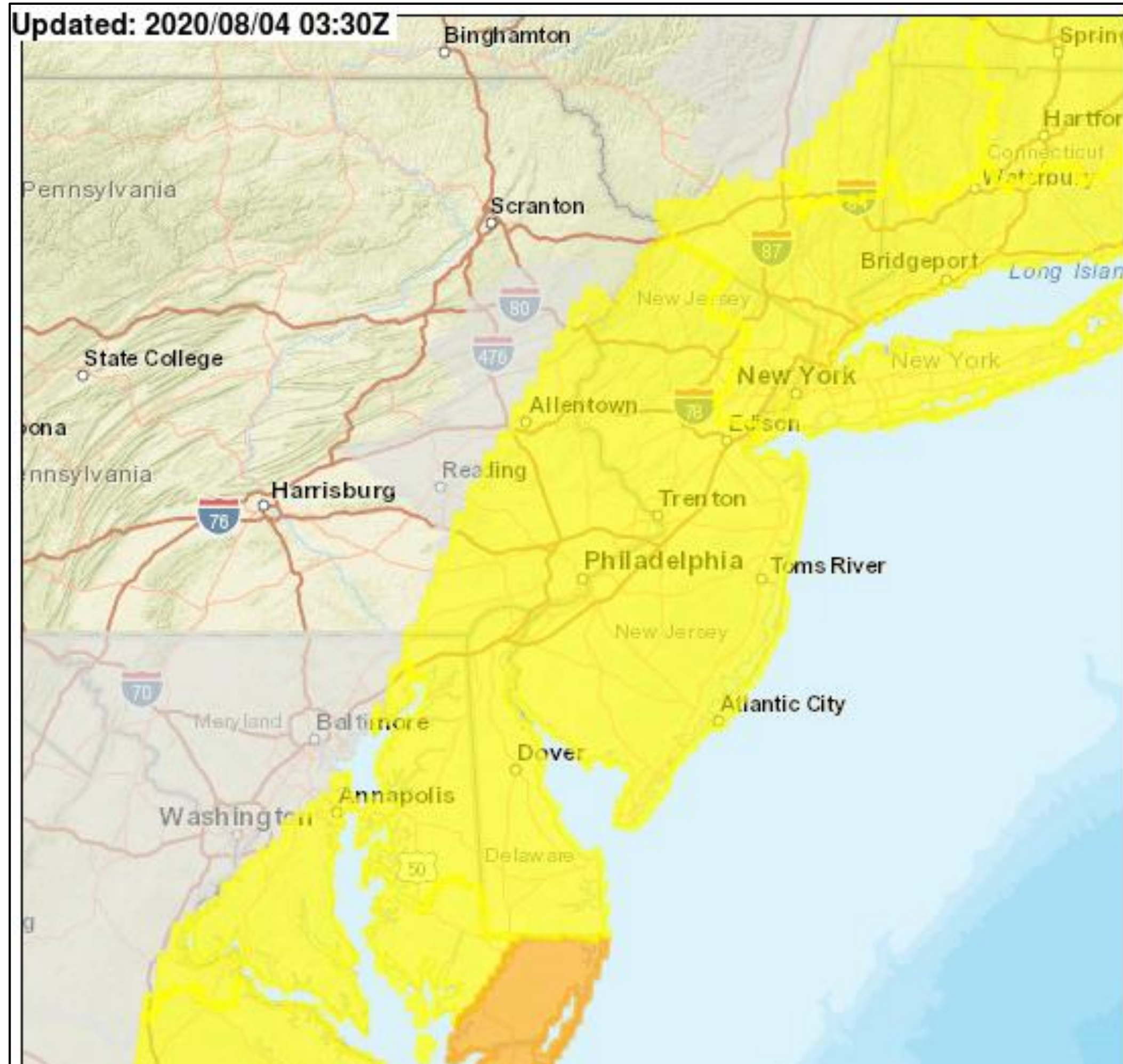
Potential Tornado Impacts

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- Main threat of isolated tornadoes will be during the daytime hours today.

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

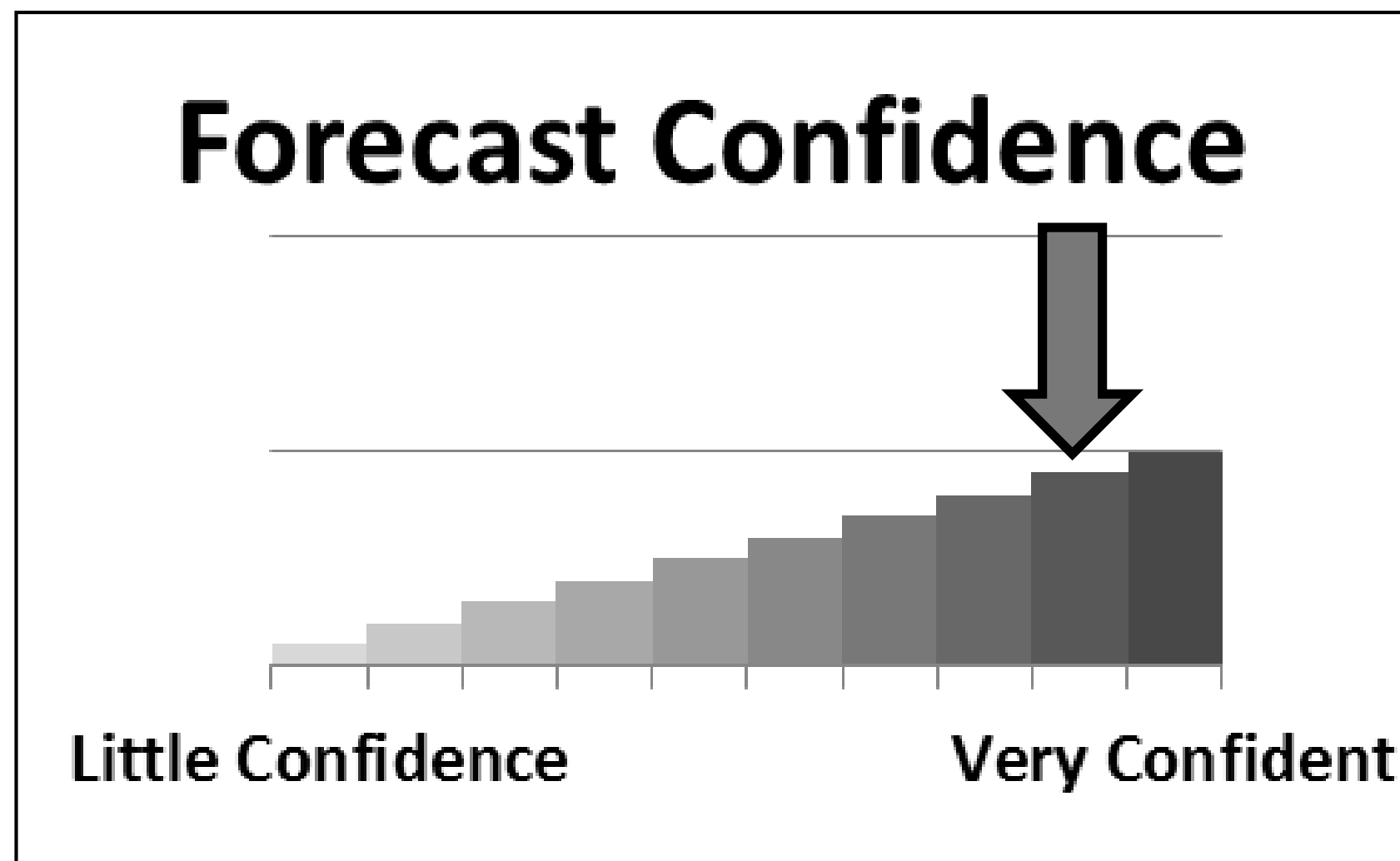


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- Heavy rain leading to flash flooding is expected across the region this morning through this evening. Stream and some main stem river flooding is also expected, not including the Delaware River.
- Tropical storm force winds are expected, primarily southeast Pennsylvania, areas along and southeast of the I-95 corridor, and northwest New Jersey. Wind gusts to near hurricane strength are possible, especially 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.



*The Next Briefing:
By 7 AM EDT Tuesday*



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For the latest graphics and information go to: www.hurricanes.gov or weather.gov/phi/tropical

