



Hurricane Isaias

(pronounced “ees-ah-EE-ahs”)

Briefing for northeast South Carolina and southeast North Carolina

What has changed:

- ✓ Isaias is now a hurricane
- ✓ Chance for some local impacts continues to gradually increase.
- ✓ Slight increase in chance of Tropical Storm winds and rainfall amounts

8:00 AM EDT

Friday July 31, 2020

Prepared by: WFO Wilmington, NC

Next Briefing: Friday July 31, by 6 pm EDT

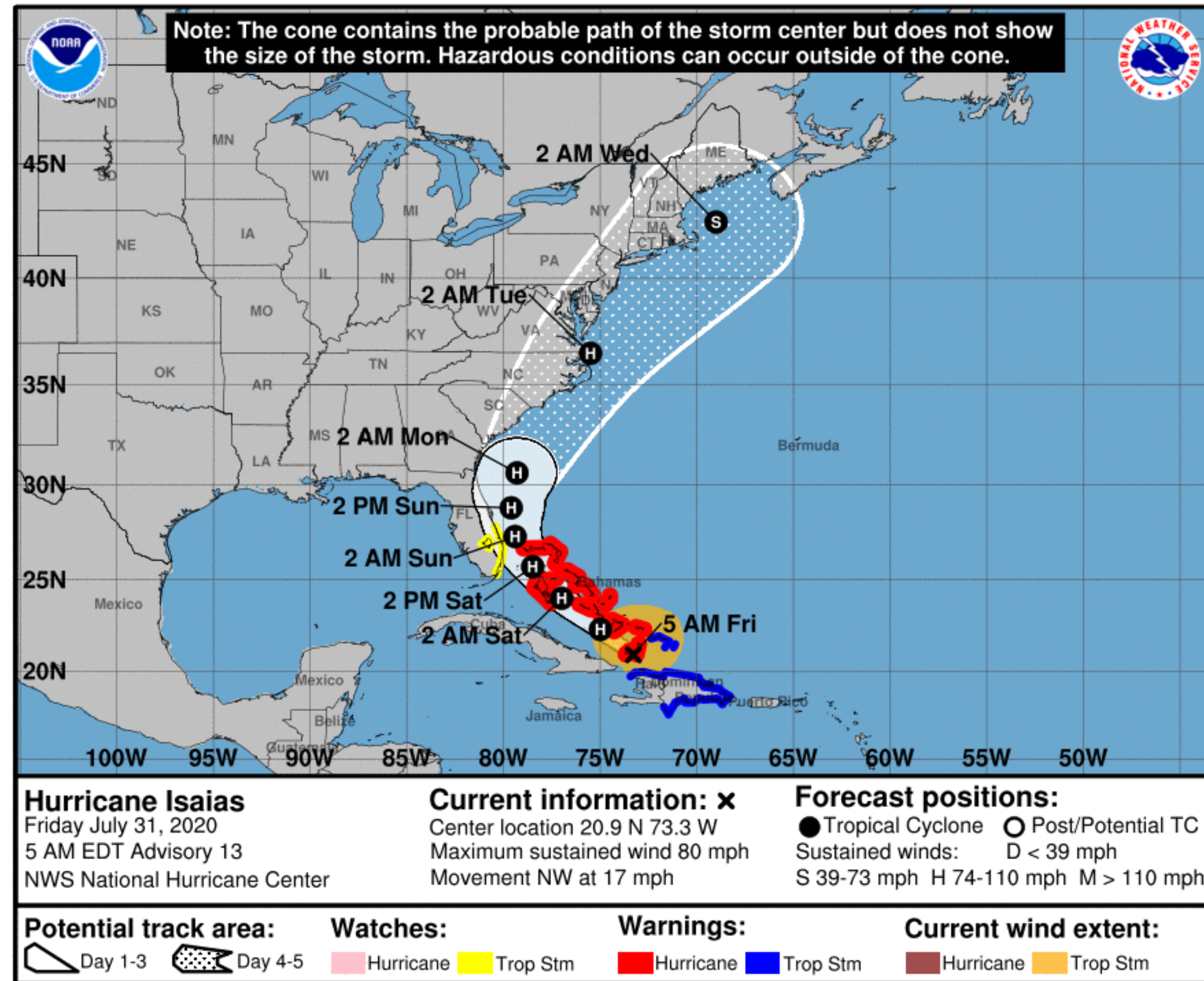
Disclaimer: The information contained within is time-sensitive. Do not use after 4 pm EDT Friday July 31, 2020

Situation Overview

Hurricane Isaias



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- Intensity has increased to 80mph. Medium confidence in track forecast. Lower confidence in timing and intensity.
- Some impacts likely for the Carolinas. Magnitude of impacts is uncertain especially with winds, surge and rainfall.
- Confident in Rip Current threat increasing into and through the weekend, with other marine hazards following shortly thereafter.
- A more west track leading to more impacts and a further east track with less impacts are both still within the range of possibilities.






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

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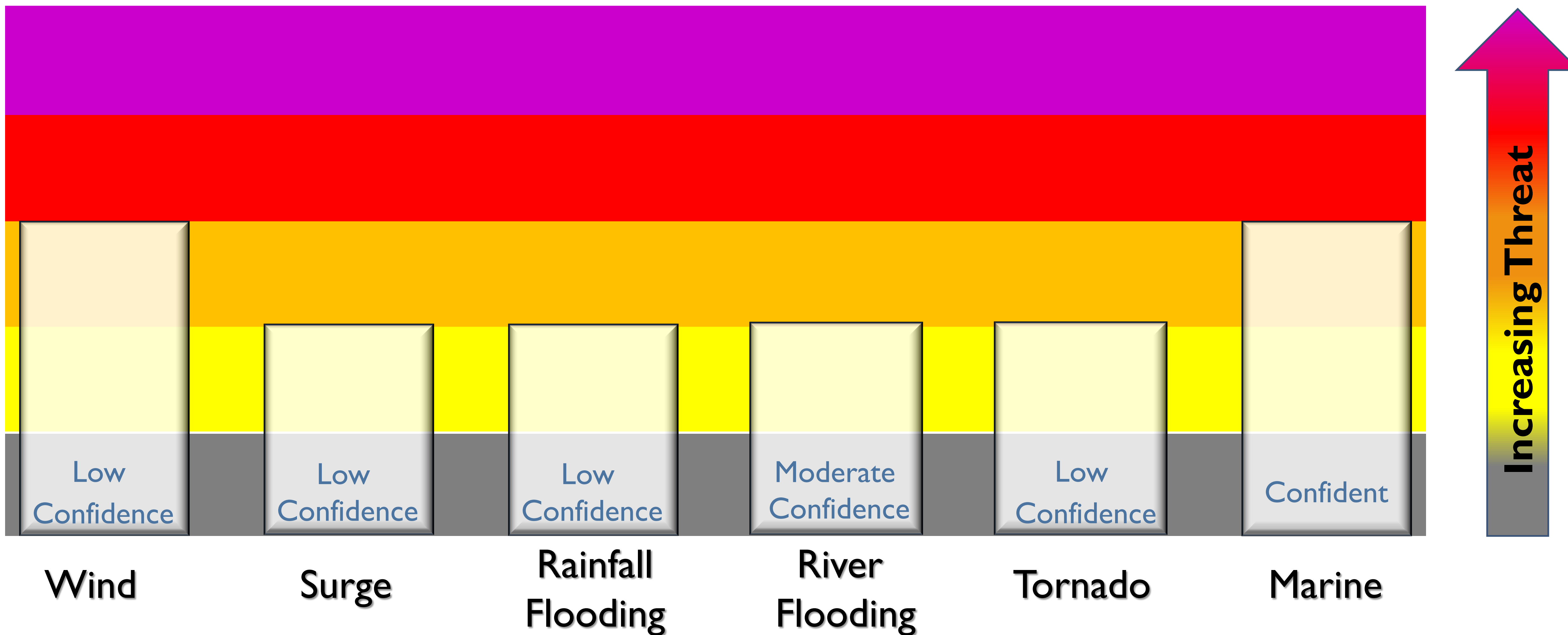
Hazard	Impacts	Location	Timing
Wind 	Some impacts possible, especially coastal areas – too early to determine specific impacts	Northeast SC and southeast NC	Sunday night through Monday night
Storm Surge/ Inundation 	Too early to determine specific impacts	Northeast SC and southeast NC	Sunday night through Monday night (Note: High tides 8am/pm Mon)
Flooding Rain 	Some flooding possible, especially near coast. Fast movement of storm should limit flood potential though.	Northeast SC and southeast NC	Sunday night through Monday Night
Tornado 	Too early to determine specific impacts. Highest threat likely near the coast though.	Northeast SC and southeast NC	Sunday night into Monday
Marine 	Hazardous marine conditions and increasing threat of rip currents likely	All waters coastal and nearshore waters, and beaches	Rip current threat late Friday through early next week. High seas/wind Sunday night into Monday.

Threat Levels

Hurricane Isaias



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Given the higher than normal uncertainty it is too early to determine specific impacts across northeast SC and southeast NC.

Tropical Storm Wind Speed Probabilities

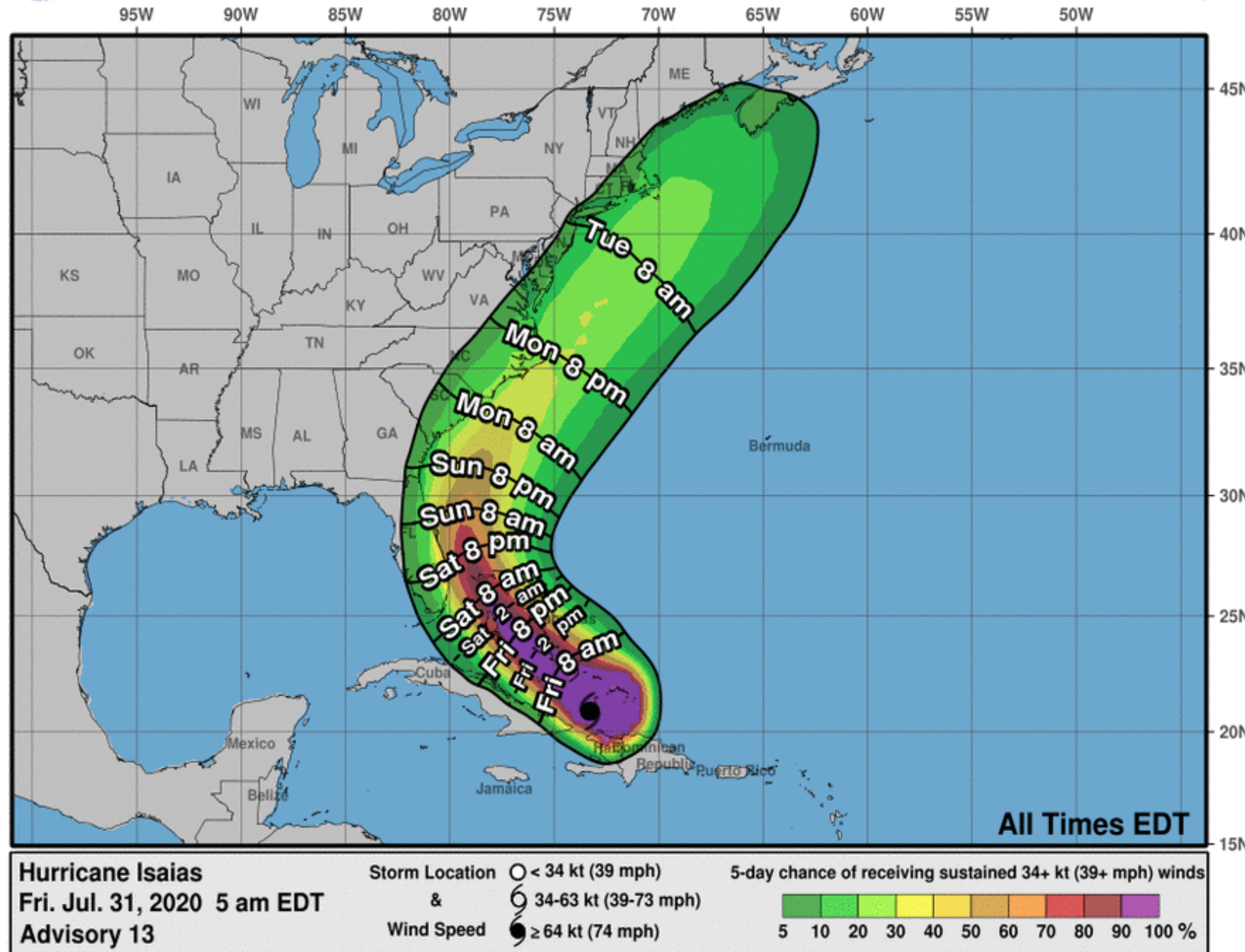
Hurricane Isaias



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Most Likely Arrival Time of Tropical-Storm-Force Winds



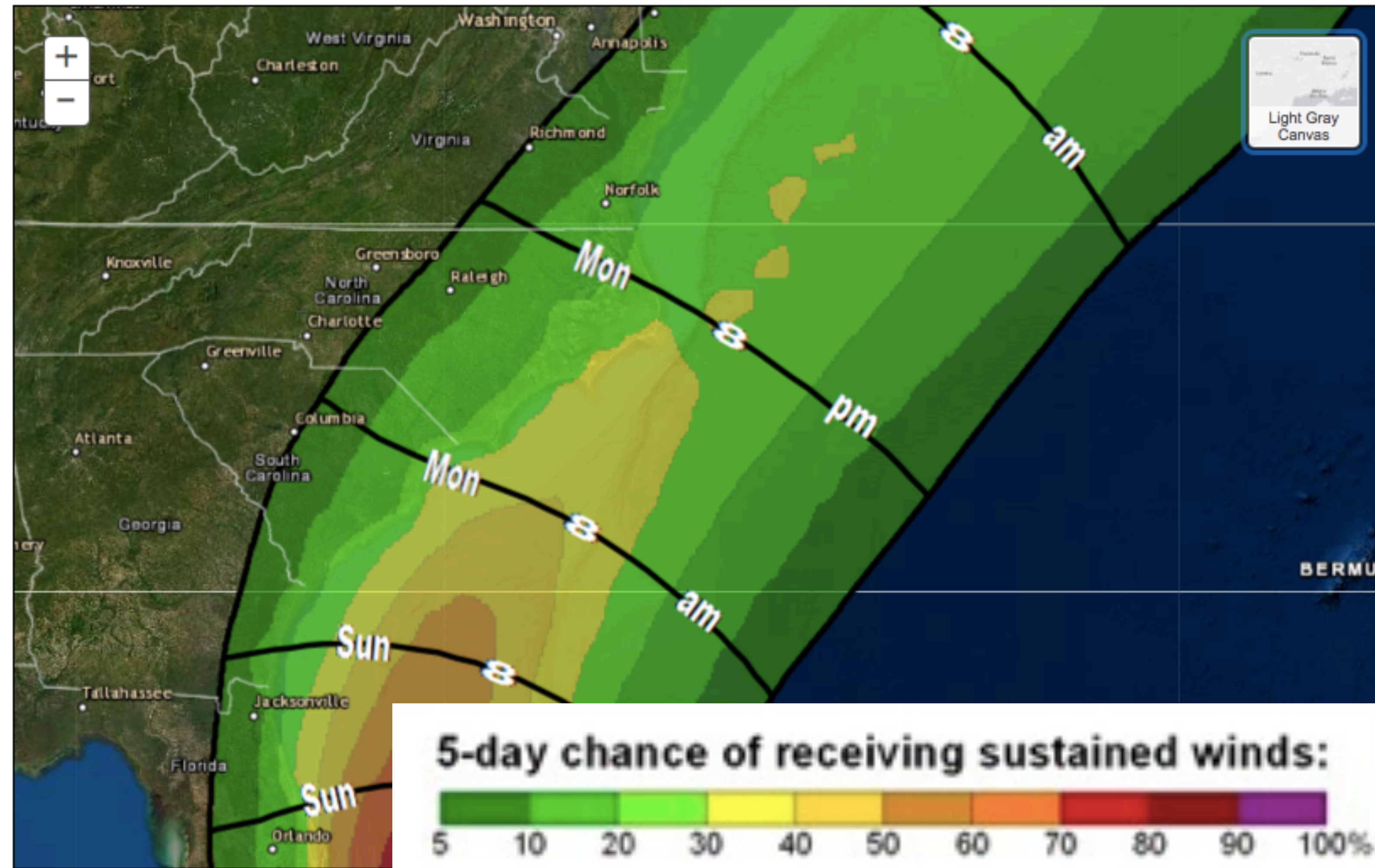
- Threat for tropical storm force winds is slowly increasing, especially along and off the coast.
- Given the latest forecast track the most likely arrival time of Tropical Storm Force winds for our area is Monday morning.

Tropical Storm Wind Speed Probabilities

Hurricane Isaias



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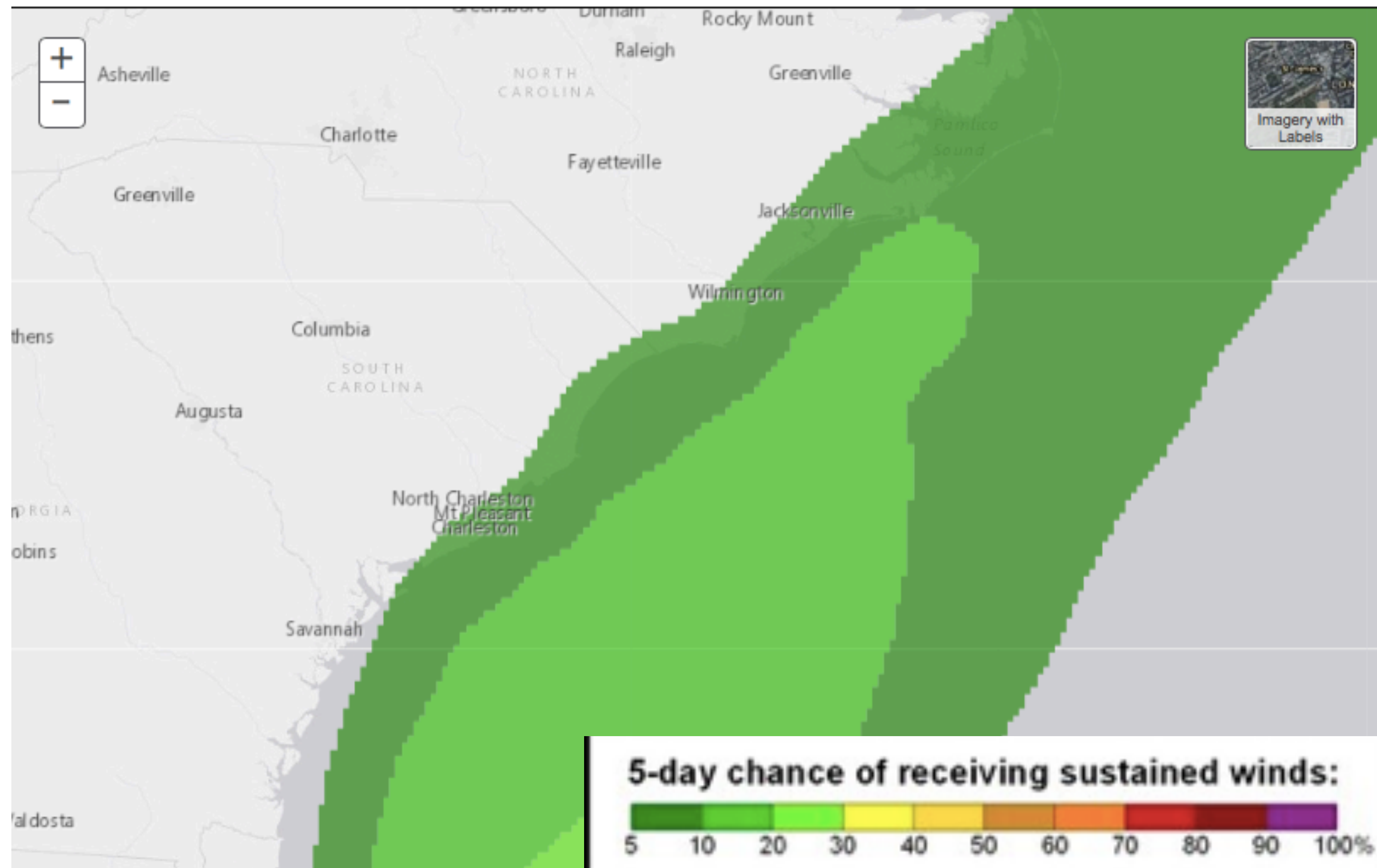
Highest chances for Tropical Storm force winds are around Cape Fear

50kt Wind Speed Probabilities

Hurricane Isaias



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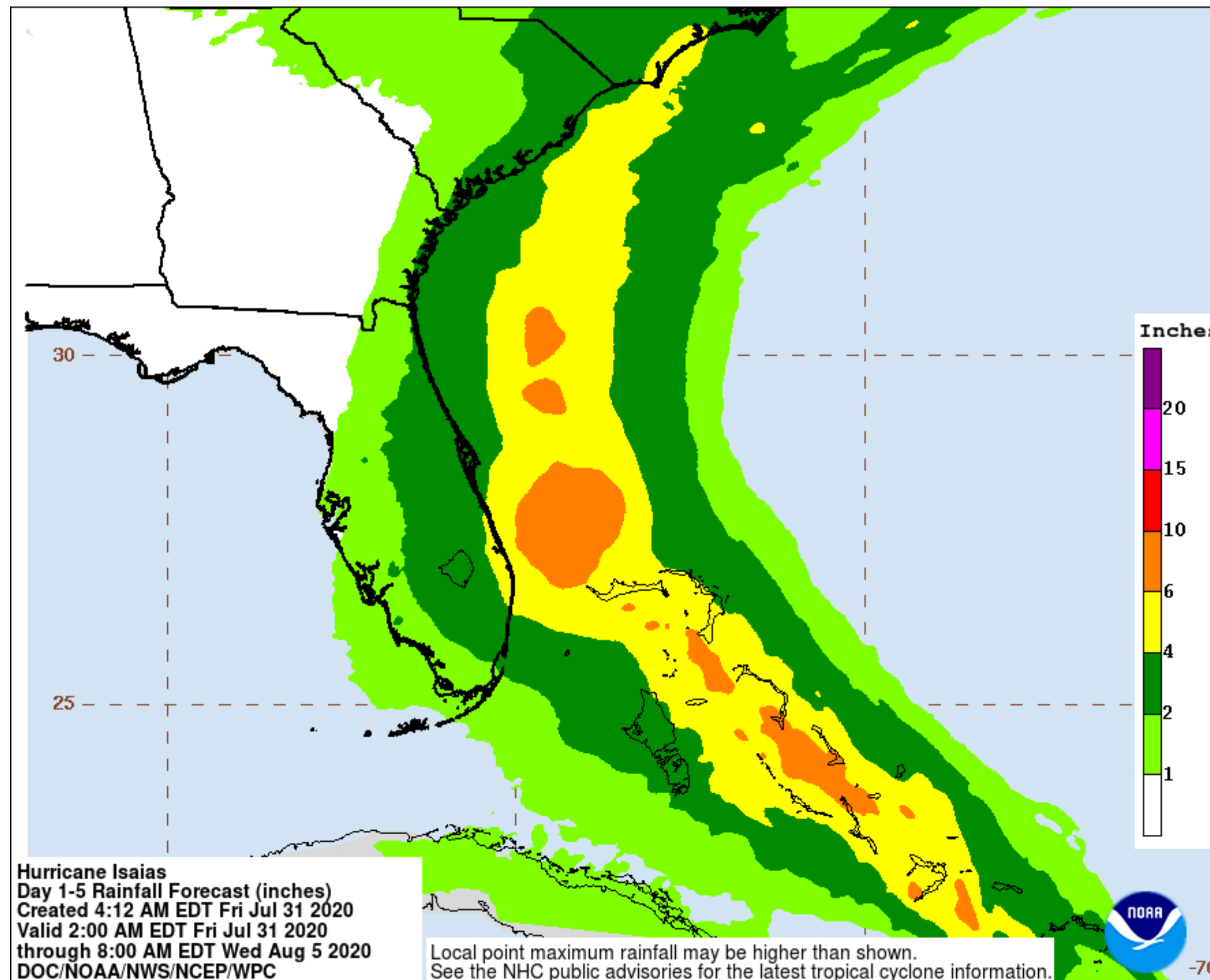
- The highest chance for strong tropical storm force winds is still relatively low, but highest along and just off the coast.
- Note: Chance of Hurricane Force Winds is currently low but some changes are likely as Isaias moves north.

Expected Storm Total Rainfall

Hurricane Isaias



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- Storm total rainfall forecast has increased especially along the coast to just over 4", and 2 to 4" inland.
- Any subtle change in the track can drastically change the rainfall forecast and potential flood impacts
- A significant rainfall is not currently given the storm's expected forward speed.

Note: Rainfall amounts are highly dependent on the storm's track. As a result, any change could result in significant differences to the amount, and where the highest totals occur.

Key Take-Aways

Hurricane Isaias



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Tropical storm force winds possible Sunday night through Monday night. Considerable uncertainty remains.



Storm surge inundation possible. Current forecast would lead to low surge threat but considerable uncertainty.



Localized heavy rainfall possible, especially near coast. Final amounts will be highly track dependent.



The tornado threat is currently low given the uncertainty in track. Coastal areas have highest risk at this time.



Higher confidence in marine impacts beginning with rip current threat by early weekend. Rough seas/winds possible shortly thereafter.



The potential for river flooding is low at this time and dependent on exact track.



*The Next Briefing for northeast SC and southeast NC:
6 PM Friday July 31, 2020
Method: Email*



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