



Hurricane Isaias

(pronounced “ees-ah-EE-ahs”)

Briefing for northeast South Carolina and southeast North Carolina

What has changed:

- ✓ Track nudged to the west, slightly slower, and very close to our coast on Monday.
- ✓ Chance for local impacts continues to gradually increase.

11:30 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 6 pm EDT Friday July 31, 2020



NWSWilmingtonNC

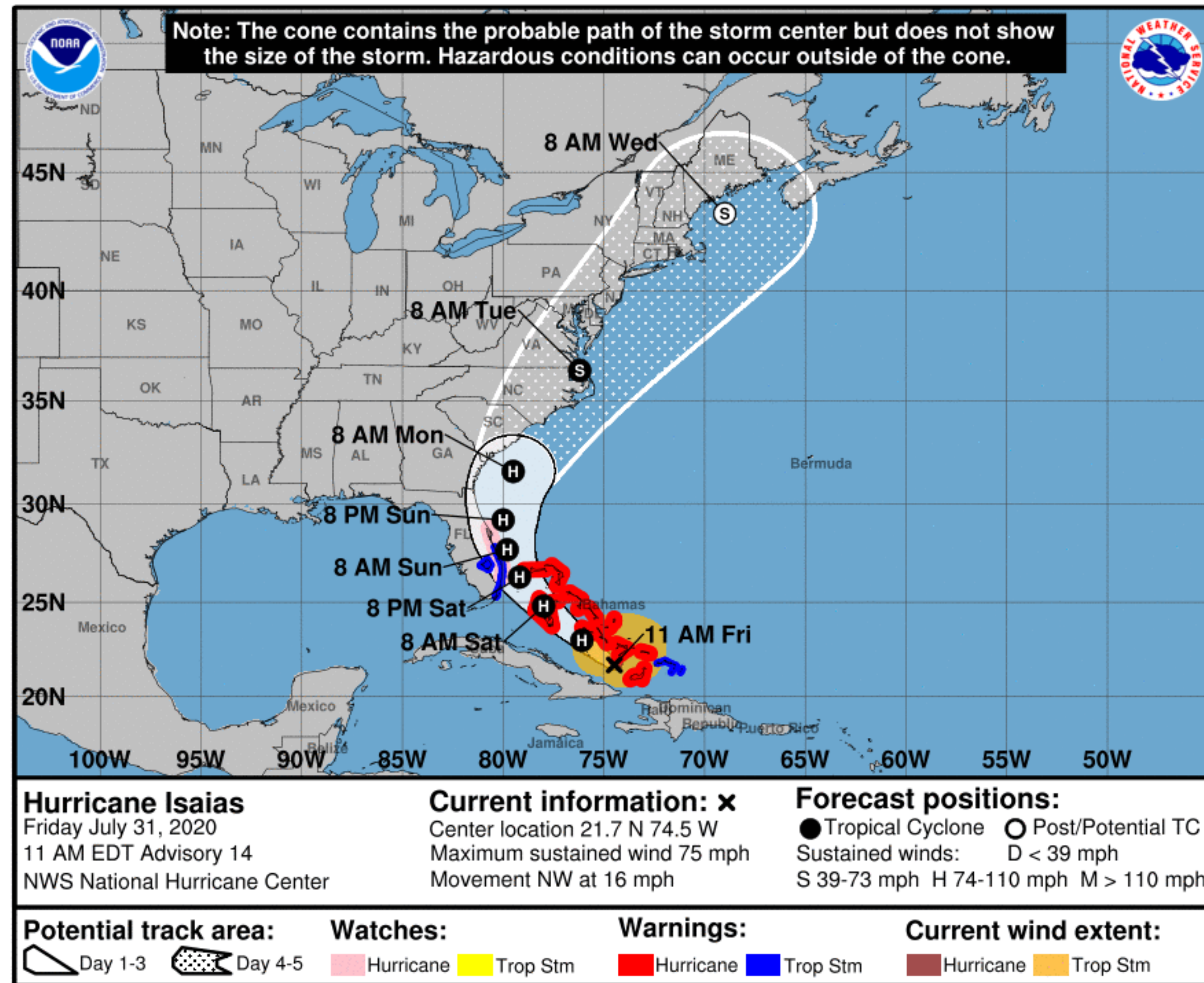
www.weather.gov/ilm

Situation Overview

Hurricane Isaias



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- Track forecast has been nudged slightly west, slightly slower, and very close to or over our coastline on Monday.
- Some strengthening expected over next day or so before leveling off in intensity.
- Impacts are 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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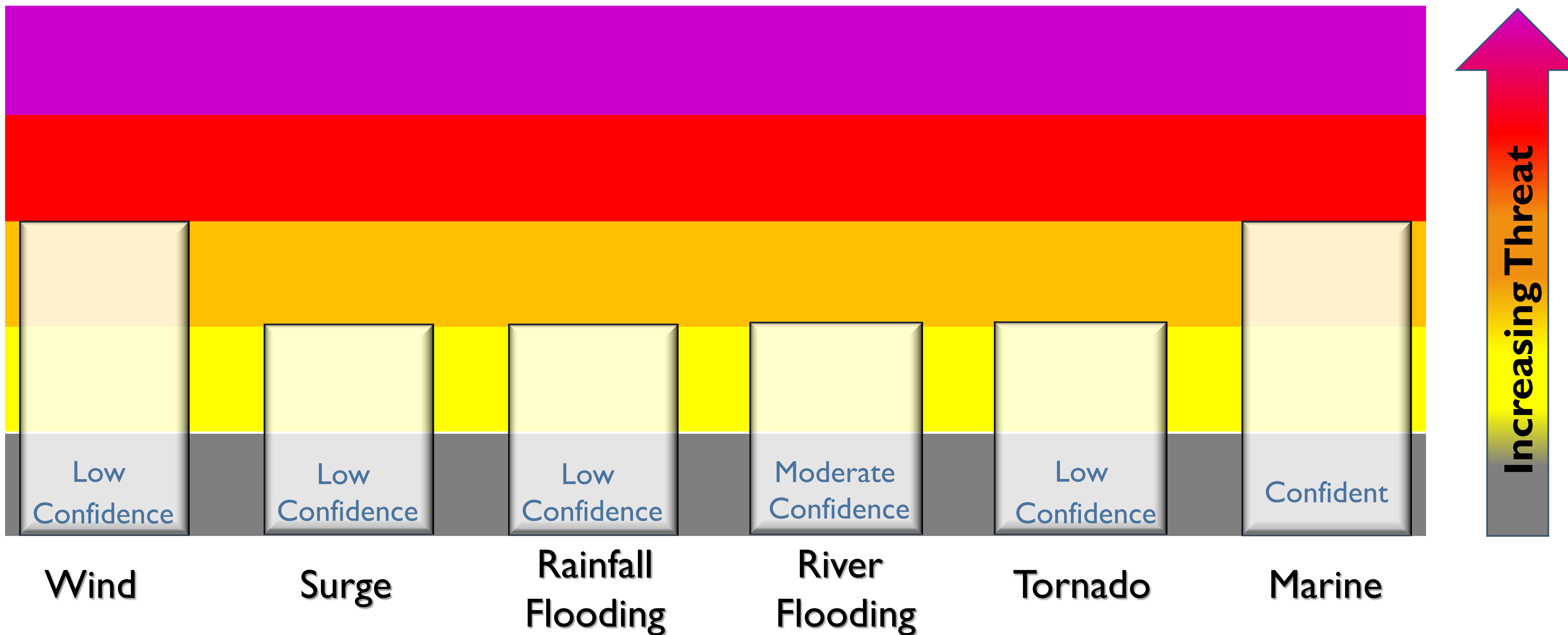
Hazard	Impacts	Location	Timing
Wind 	Potential for wind impacts is increasing, especially coastal areas. Downed trees and power outages a possibility.	Northeast SC and southeast NC	Sunday night through Monday night
Storm Surge/Inundation 	Too early to determine specific impacts	Northeast SC and southeast 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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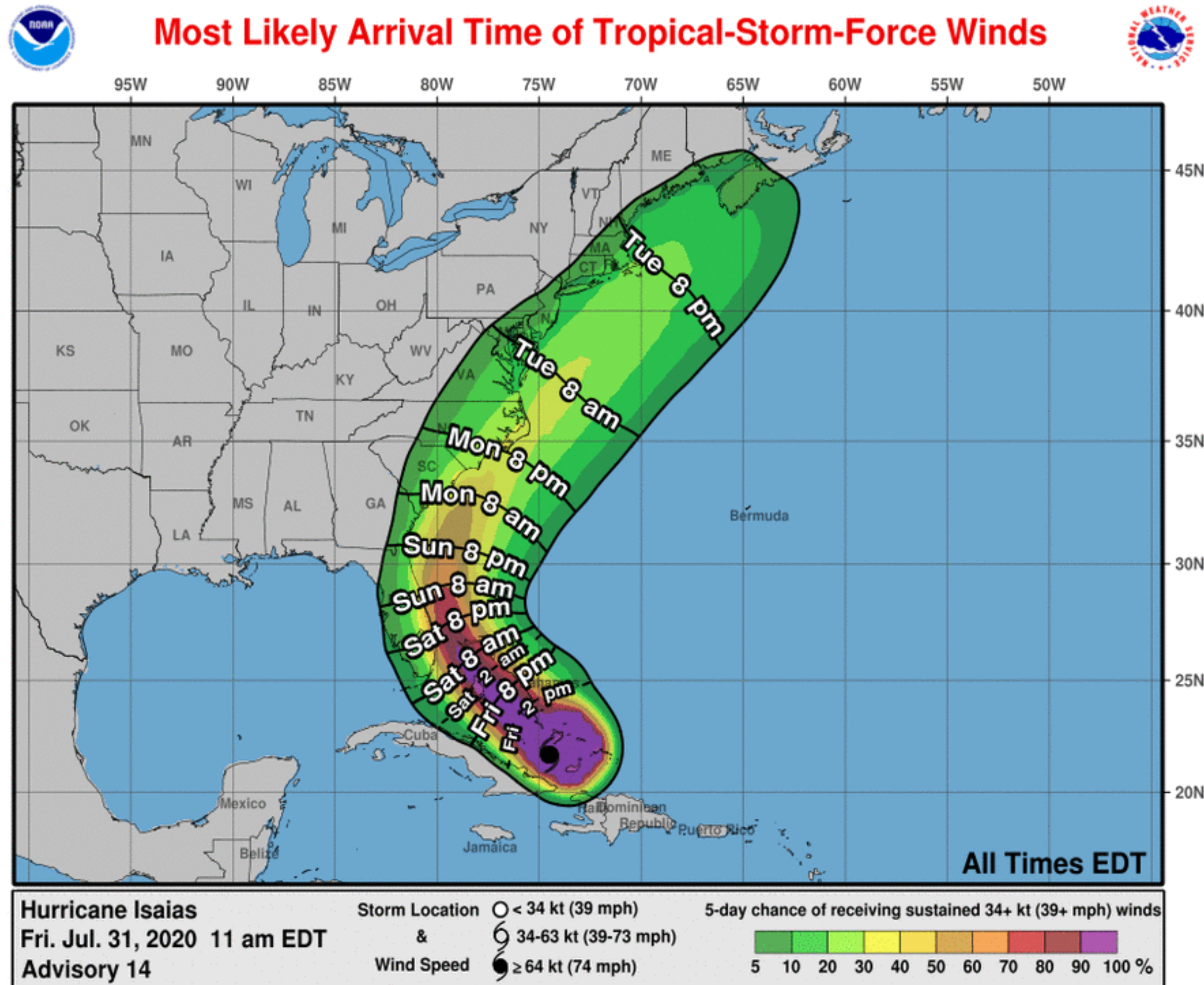
Given the higher than normal uncertainty it is too early to determine specific impacts across northeast SC and southeast NC.

Tropical Storm Wind Speed Probabilities

Hurricane Isaias



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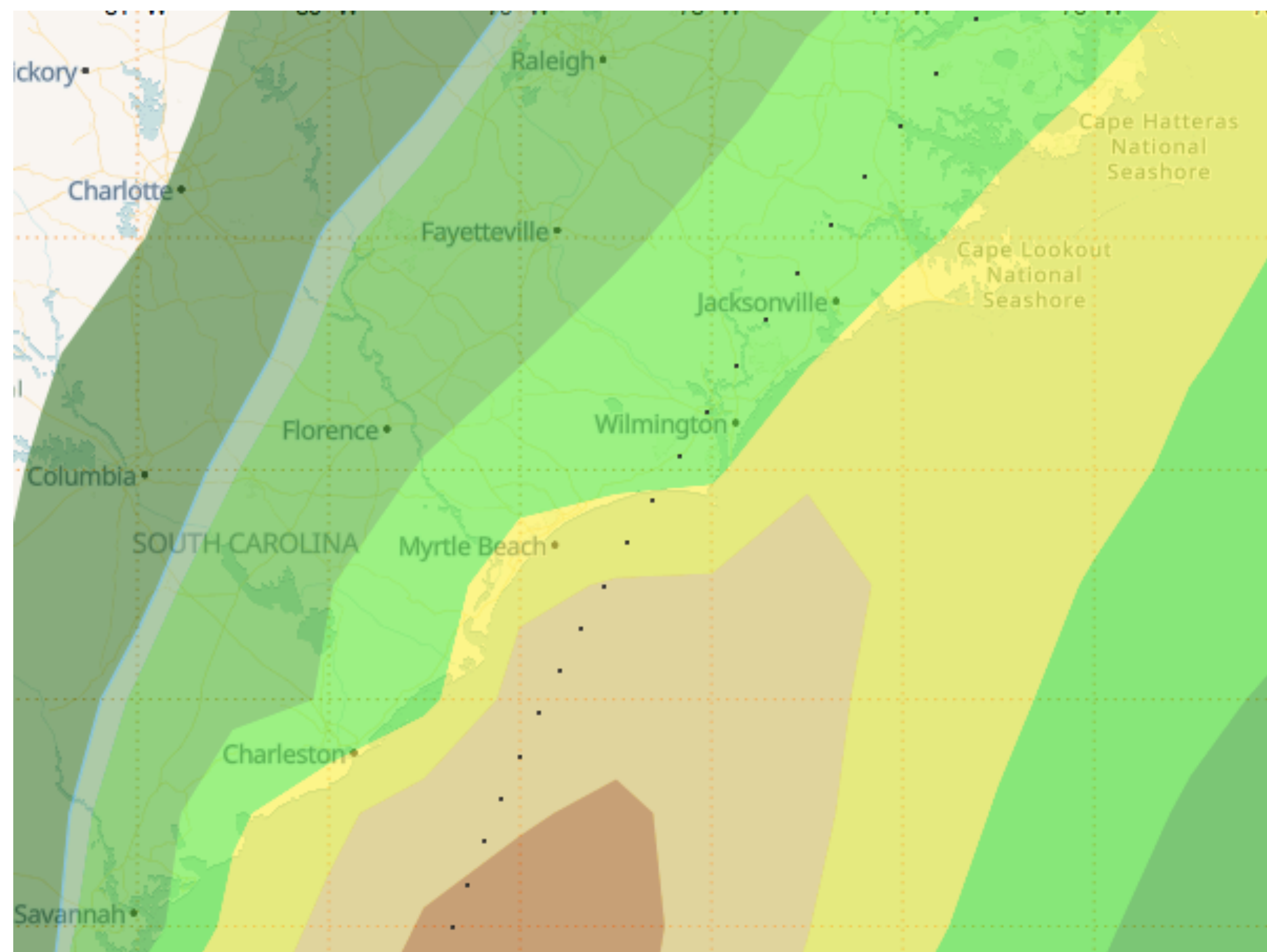
- Threat for Tropical Storm force winds continues to increase, especially along and off the coast.
- Given the latest forecast track the most likely arrival time of Tropical Storm Force winds for our area is around Monday morning for northeast SC and later Monday morning into afternoon for southeast NC.

Tropical Storm Wind Speed Probabilities

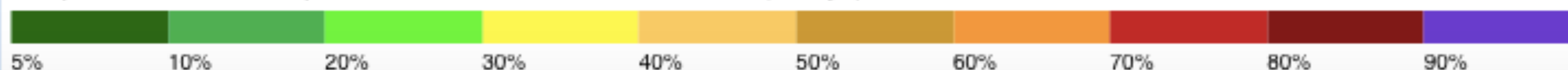
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Tropical Storm Wind Speed Probabilities for the 120 hours (5 days) from 8AM Fri 07/31/2020 to 8AM Wed 08/05/2020



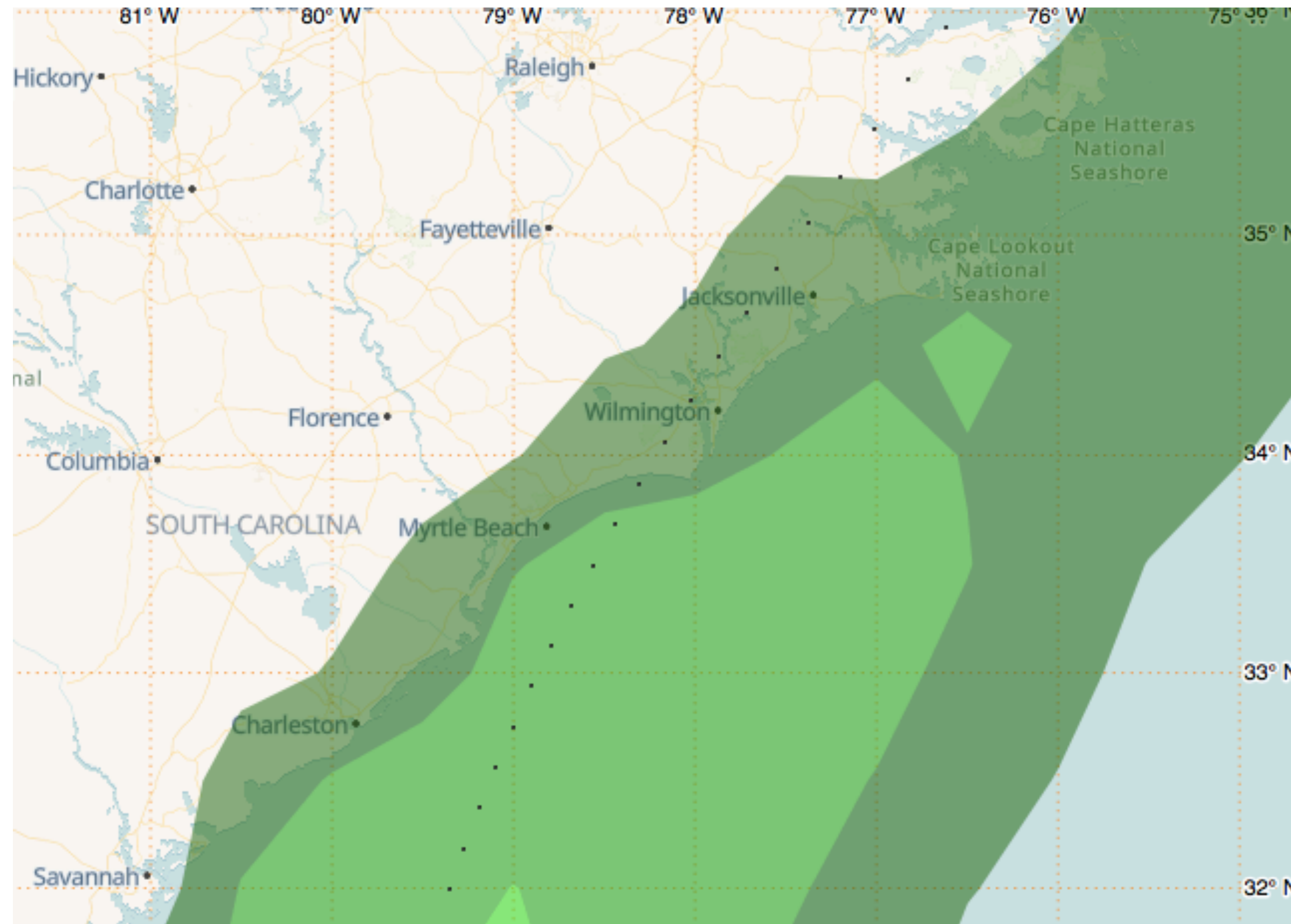
Highest chances for Tropical Storm force winds are along and off the coast.

50kt Wind Speed Probabilities

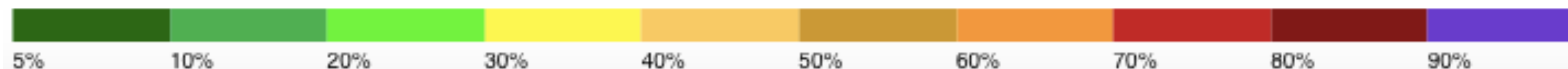
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Strong Tropical Storm Wind Speed Probabilities for the 120 hours (5 days) from 8AM Fri 07/31/2020 to 8AM Wed 08/05/2020



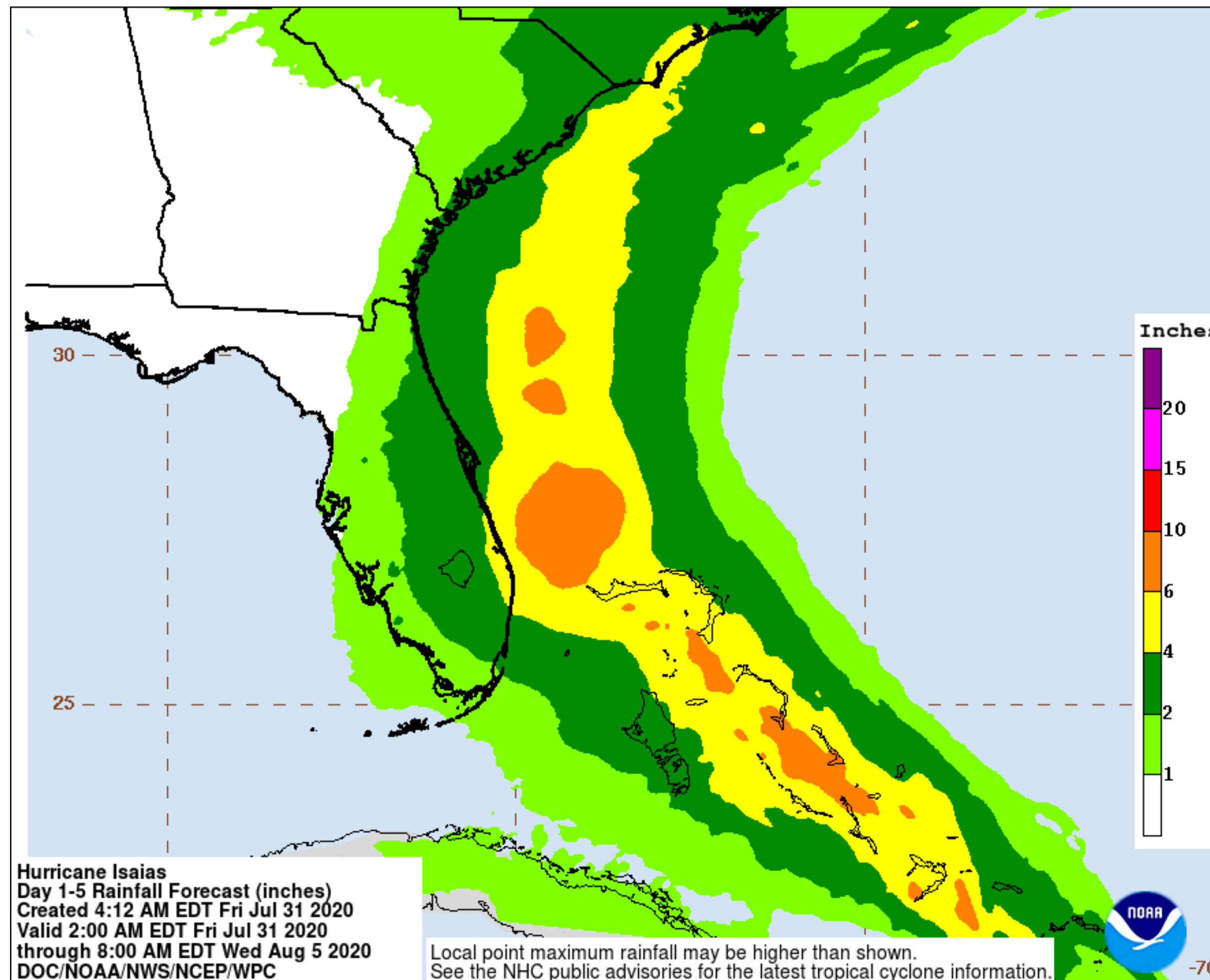
- The chance for strong tropical storm force winds is still relatively low, but highest along and just off the coast. Chances have come up slightly since this morning.
- Note: Chance of Hurricane Force Winds is currently low, but some changes are likely as Isaias moves north.

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

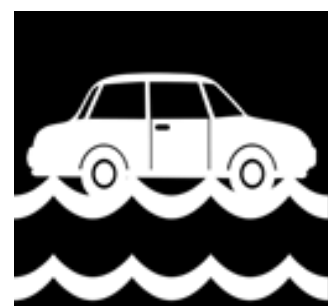
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Tropical storm force winds possible Sunday night through Monday night. Considerable uncertainty remains but threat level is increasing especially along and off the coast.



Storm surge inundation possible. Still considerable uncertainty as any fluctuation in track will significantly impact surge.



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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