

IMPACTS FOR D7 (through next 5 days)

Winds – Low

Storm Surge – None

Rainfall/Flash Flooding – None

Tornadoes – None

Waves - Extreme

HURRICANE LEE BRIEFING

8:15 AM EDT

Monday, September 11, 2023

Prepared by:

Keren Rosado-Vázquez

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

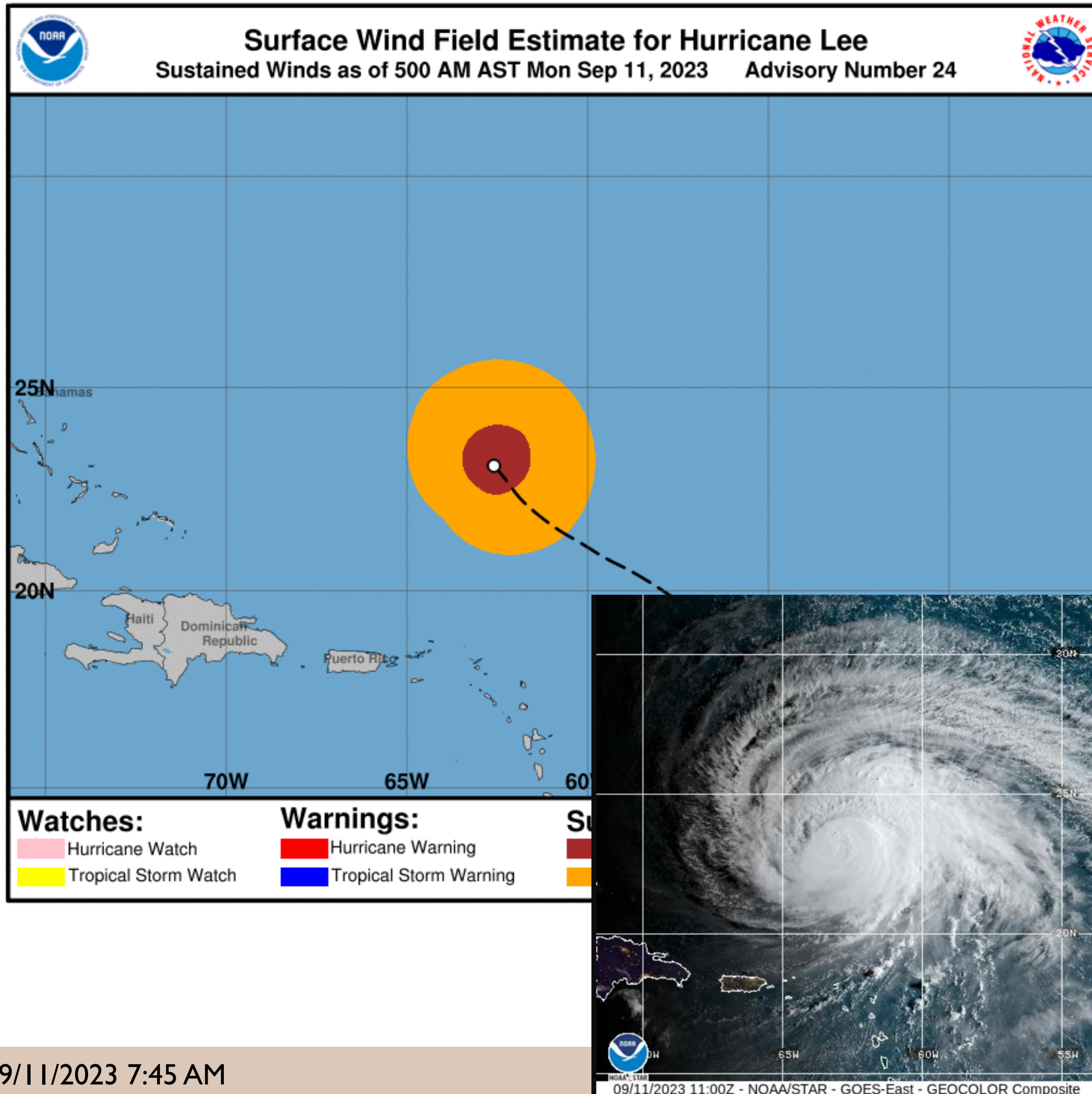


Situation Overview

Hurricane Lee



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**...LARGE LEE REMAINS A MAJOR HURRICANE...
...HAZARDOUS SURF AND RIP CURRENT
CONDITIONS EXPECTED AT BEACHES
ACROSS THE WESTERN ATLANTIC DURING THE
WEEK...**

SUMMARY OF 500 AM EDT...INFORMATION

LOCATION...23.1N 62.6W
ABOUT 296 NM... N OF THE NORTHERN LEEWARD ISLANDS
ABOUT 565 NM... SSE OF BERMUDA
MAXIMUM SUSTAINED WINDS...105 KT
PRESENT MOVEMENT...NW AT 6 KT
PEAK SEAS 48 FT

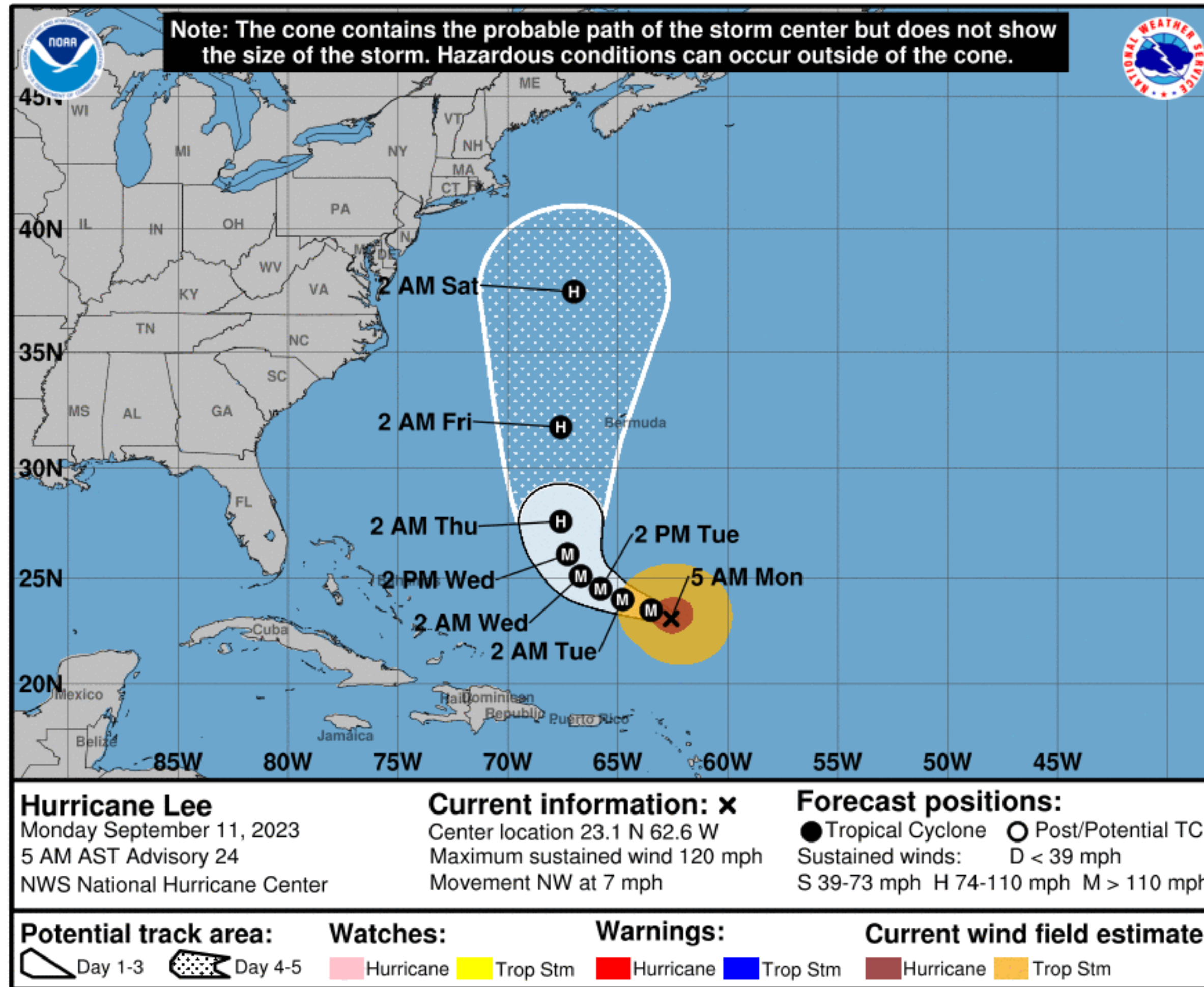
Size
64 KT..... 65NE 45SE 40SW 55NW.
50 KT.....110NE 90SE 70SW 90NW.
34 KT.....160NE 150SE 110SW 150NW.
12 FT SEAS..270NE 240SE 240SW 300NW.

Forecast Information

Hurricane Lee



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

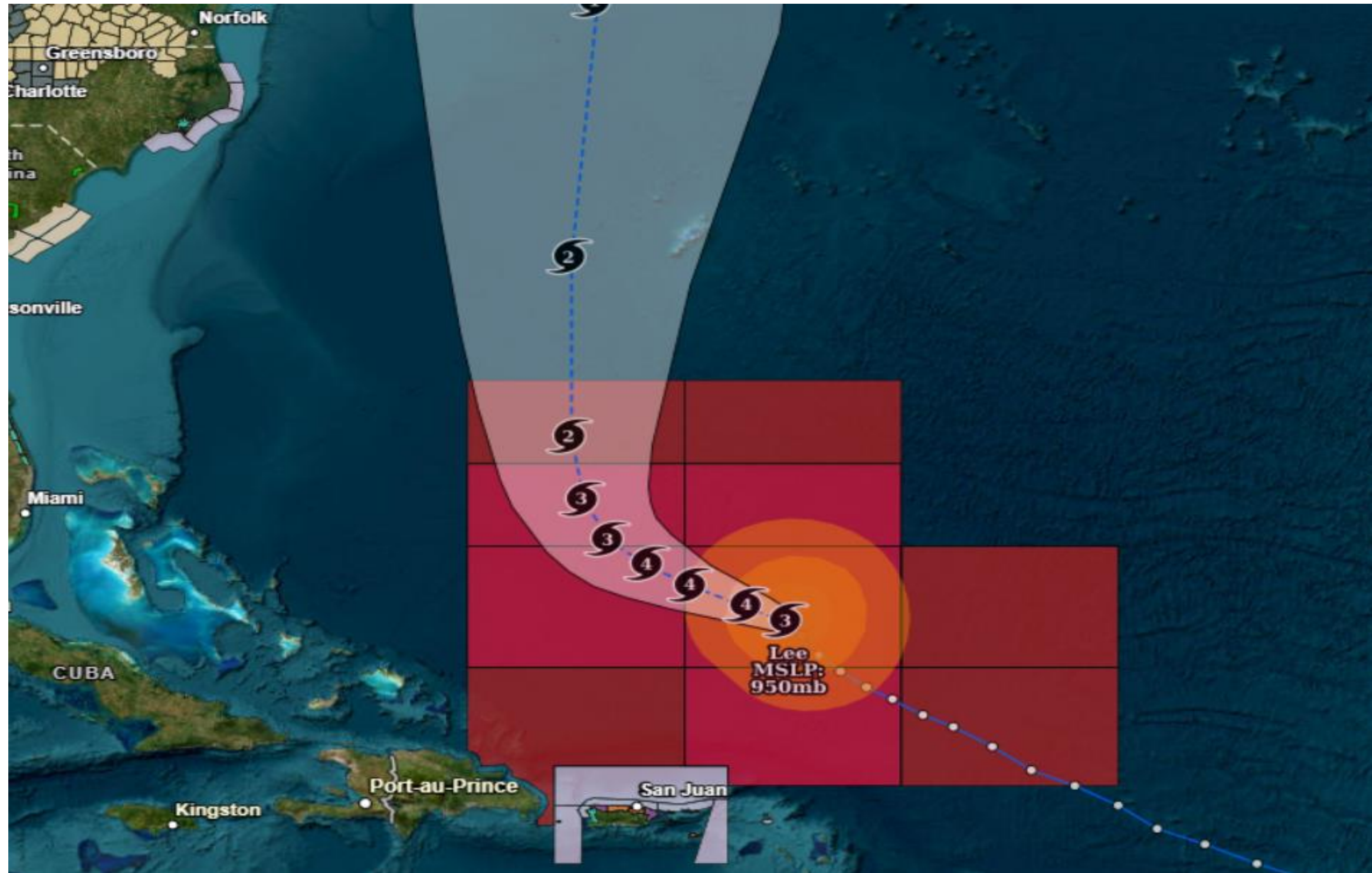
- **Lee will likely continue as a Major Hurricane for about 2 more days, after that slow weakening is expected.**
 - **A turn to the north is expected by Thursday with an acceleration in translation speed.**
 - Current center forecast positions through the next 5 days (if applicable) illustrated by dots
 - White swath of potential track error added to each side of the forecast track through day 3
 - Hatched swath of potential track error added to each side of the forecast track days 4-5
- ** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Hurricane Lee



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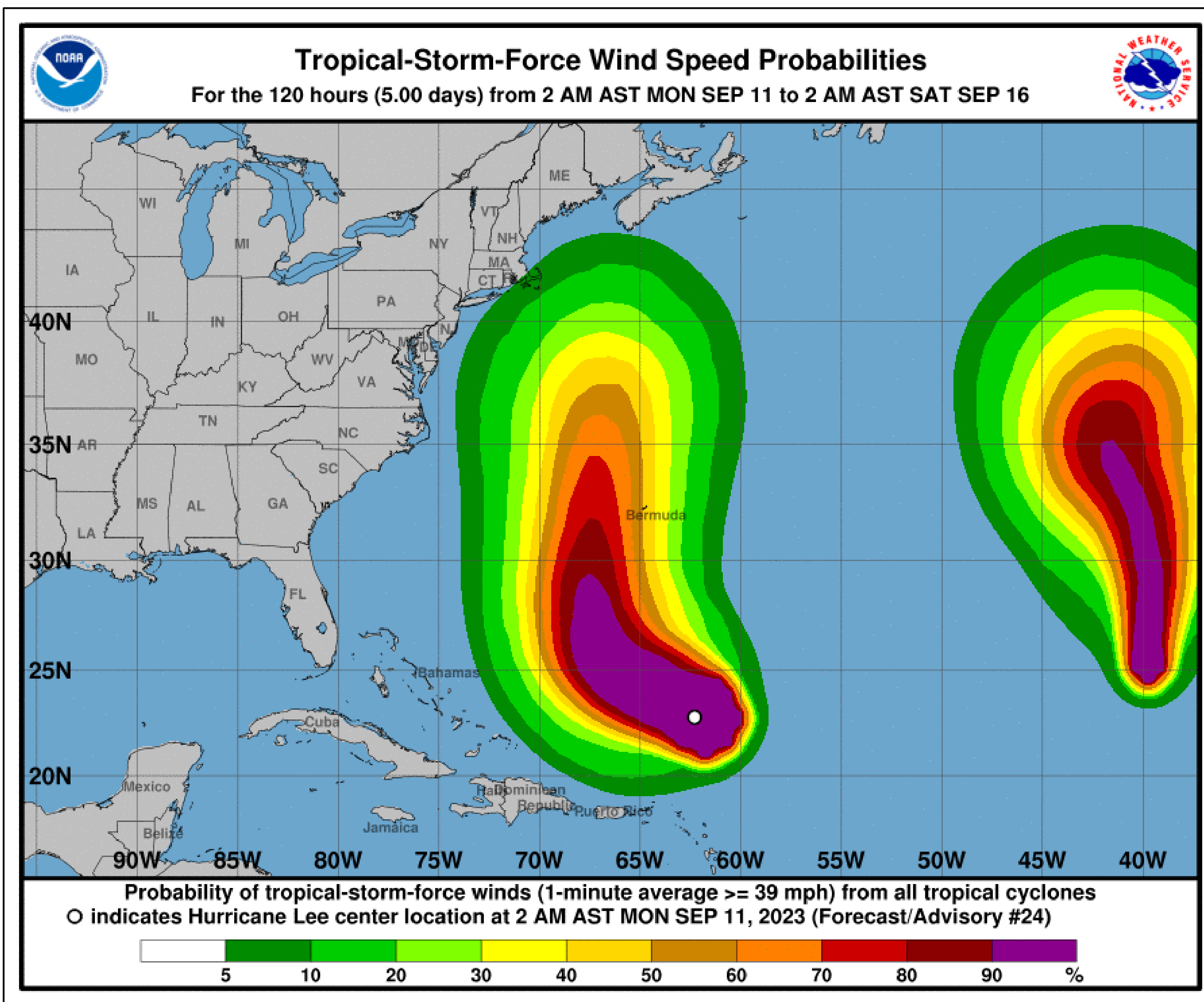
- <https://nowcoast.noaa.gov/>

T.S. Wind Speed Probabilities

Hurricane Lee



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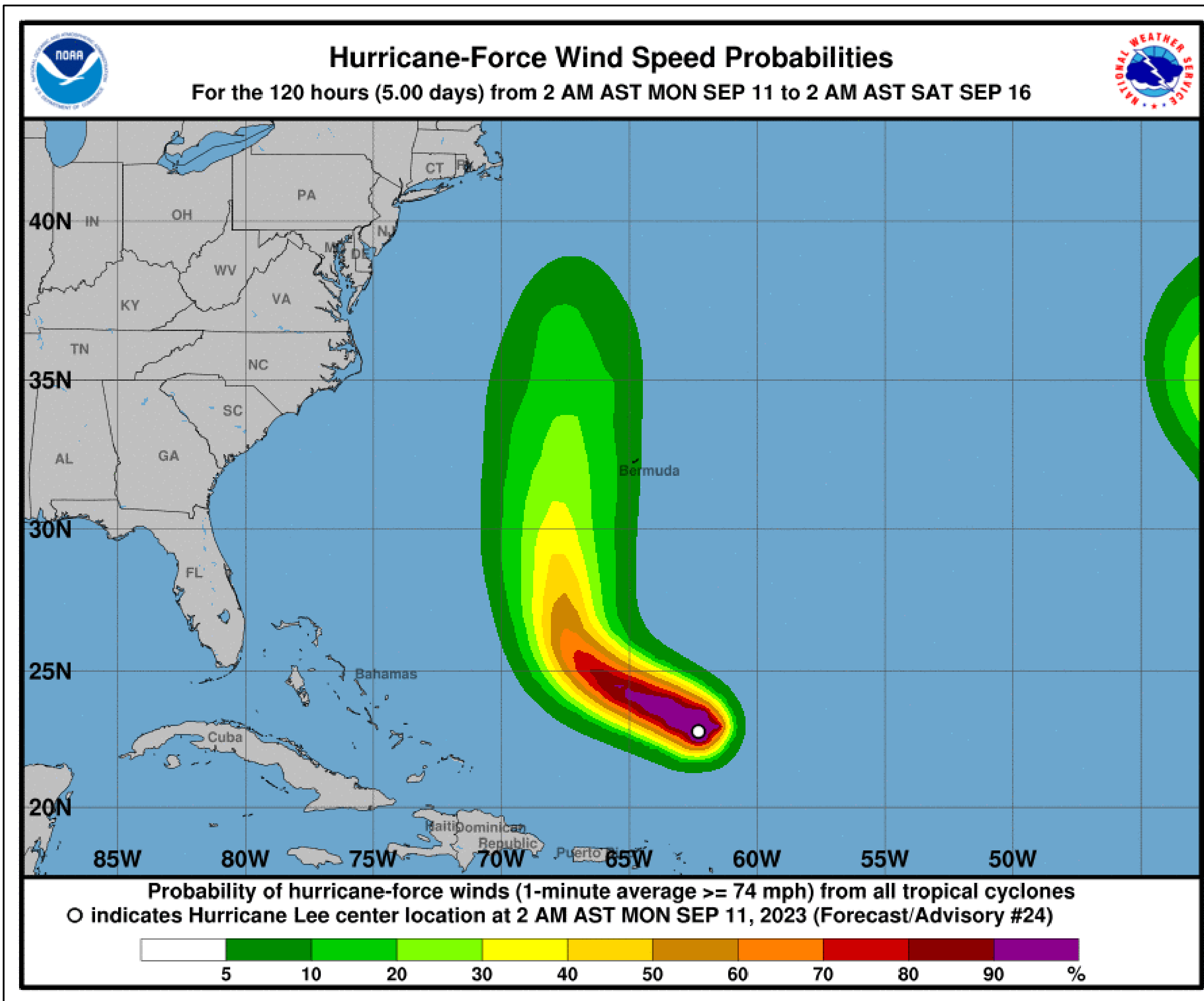
- **No tropical storm winds expected for D7 land area.**
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Hurricane Wind Speed Probabilities



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NWS National Hurricane Center

Hurricane Lee



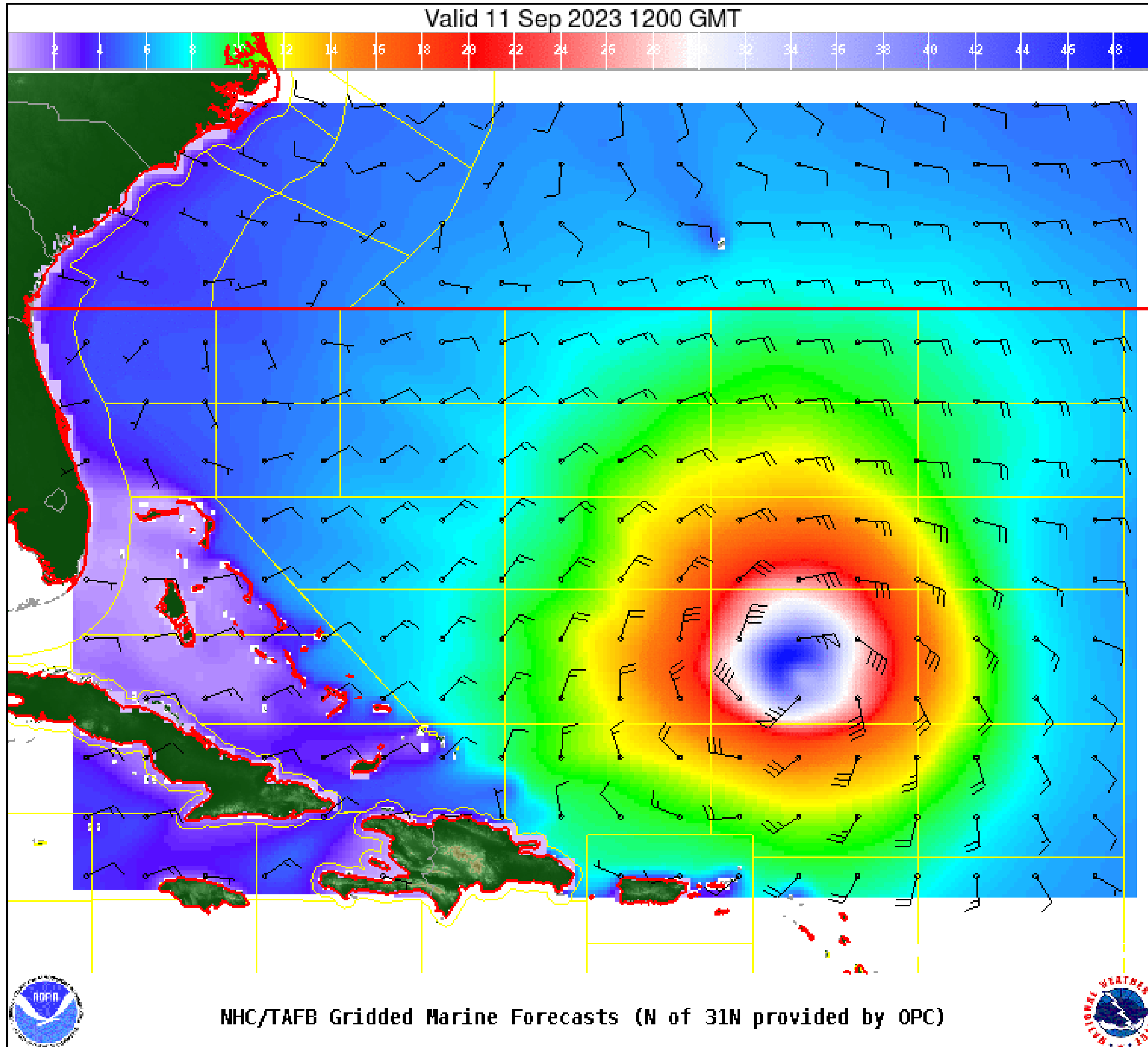
- **No hurricane winds expected for D7 land area.**
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100
- See the color bar below the image for more details.

Wind And Waves

Hurricane Lee

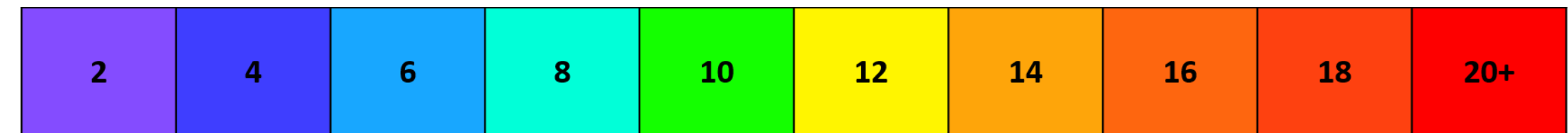


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Current 8 AM EDT Monday, September 11
Peak Winds: 105 KT
Peak Seas: 48 FT

■ Wave heights are in feet



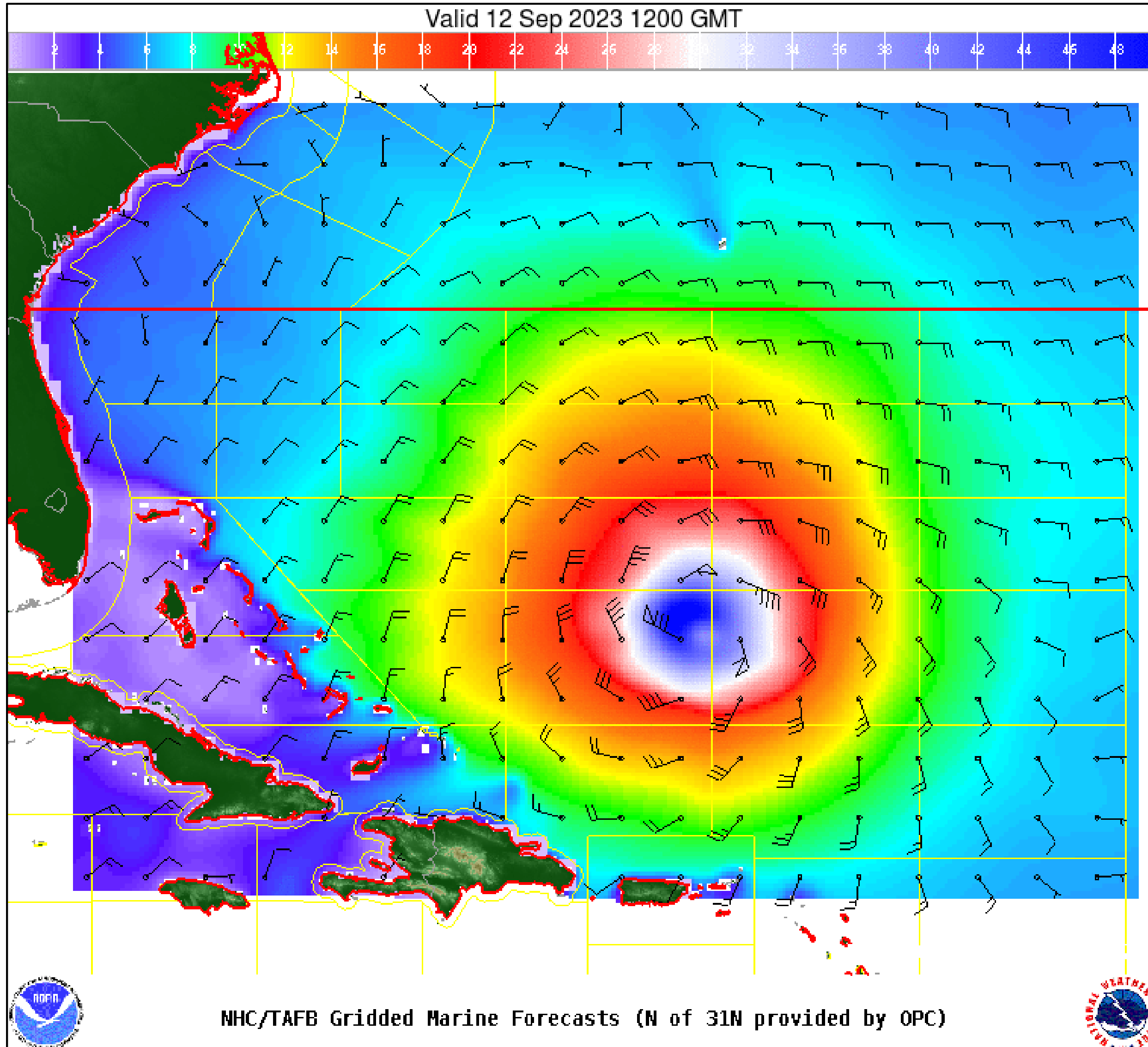
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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24h Forecast

8 AM EDT Tuesday, September 12

Peak Winds: 115 KT

Peak Seas: 50 FT

■ Wave heights are in feet



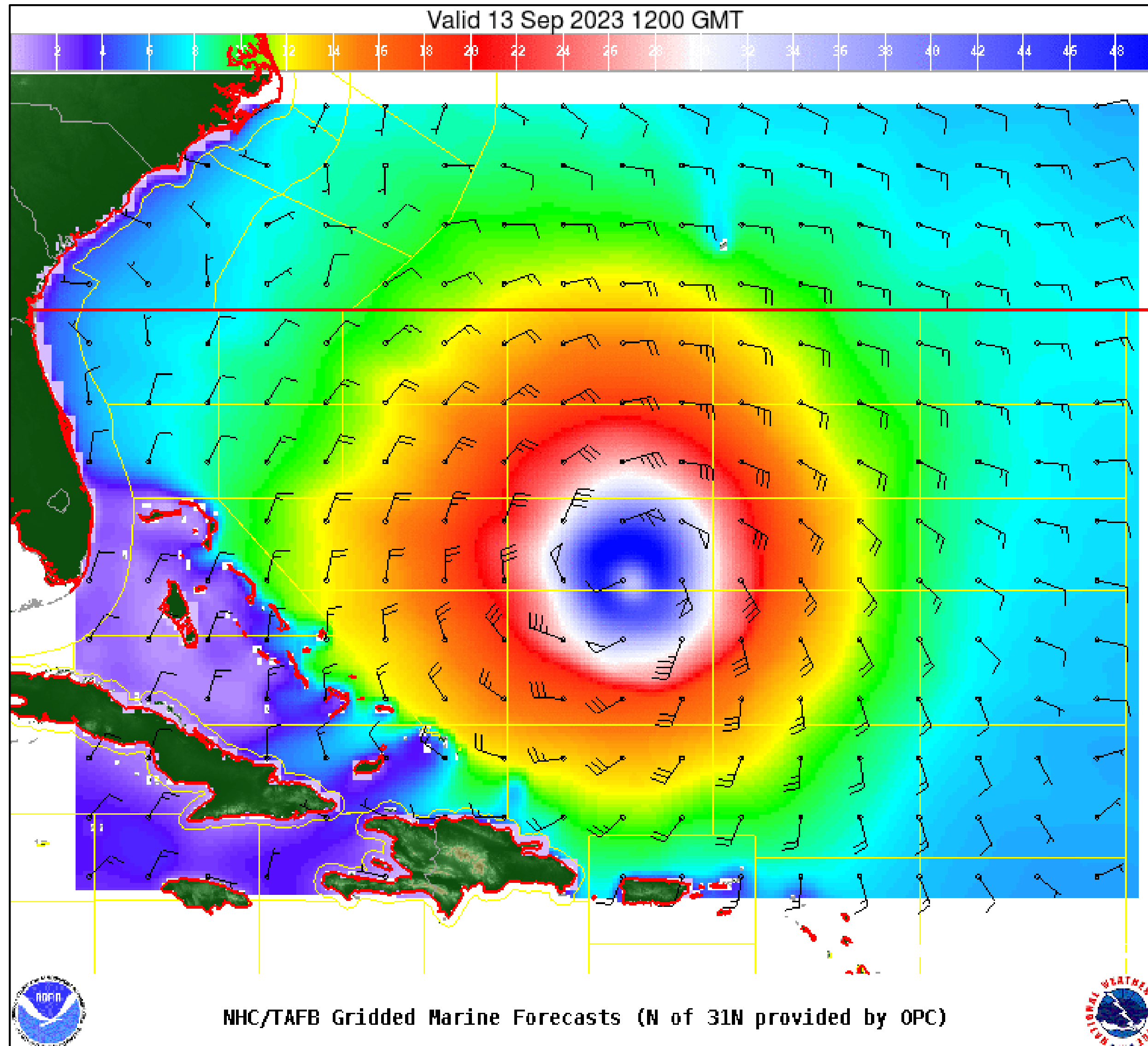
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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48h Forecast

8 AM EDT Wednesday, September 13

Peak Winds: 110 KT

Peak Seas: 50 FT

■ Wave heights are in feet



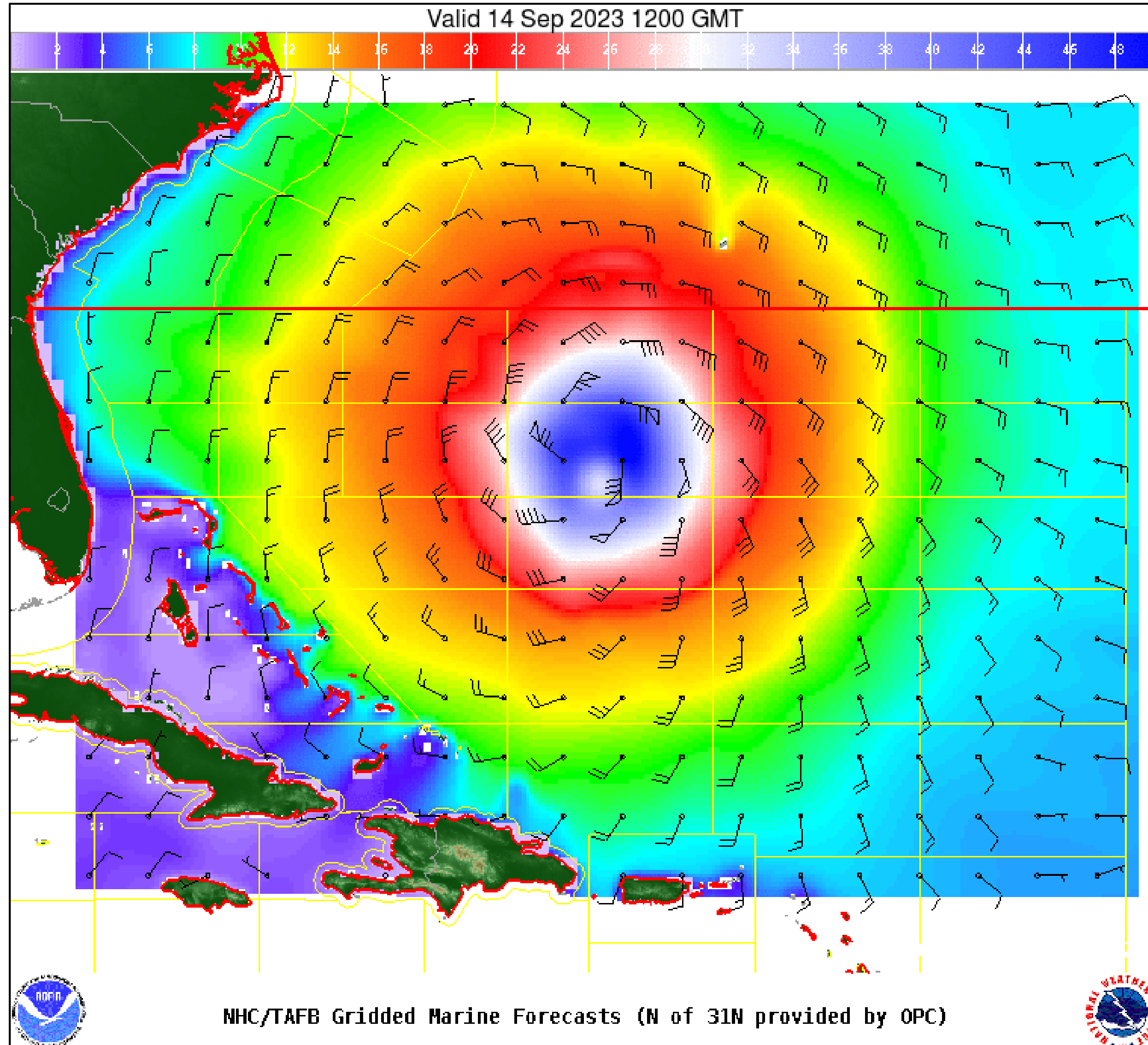
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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72h Forecast

8 AM EDT Thursday, September 14

Peak Winds: 95 KT

Peak Seas: 45 FT

■ Wave heights are in feet



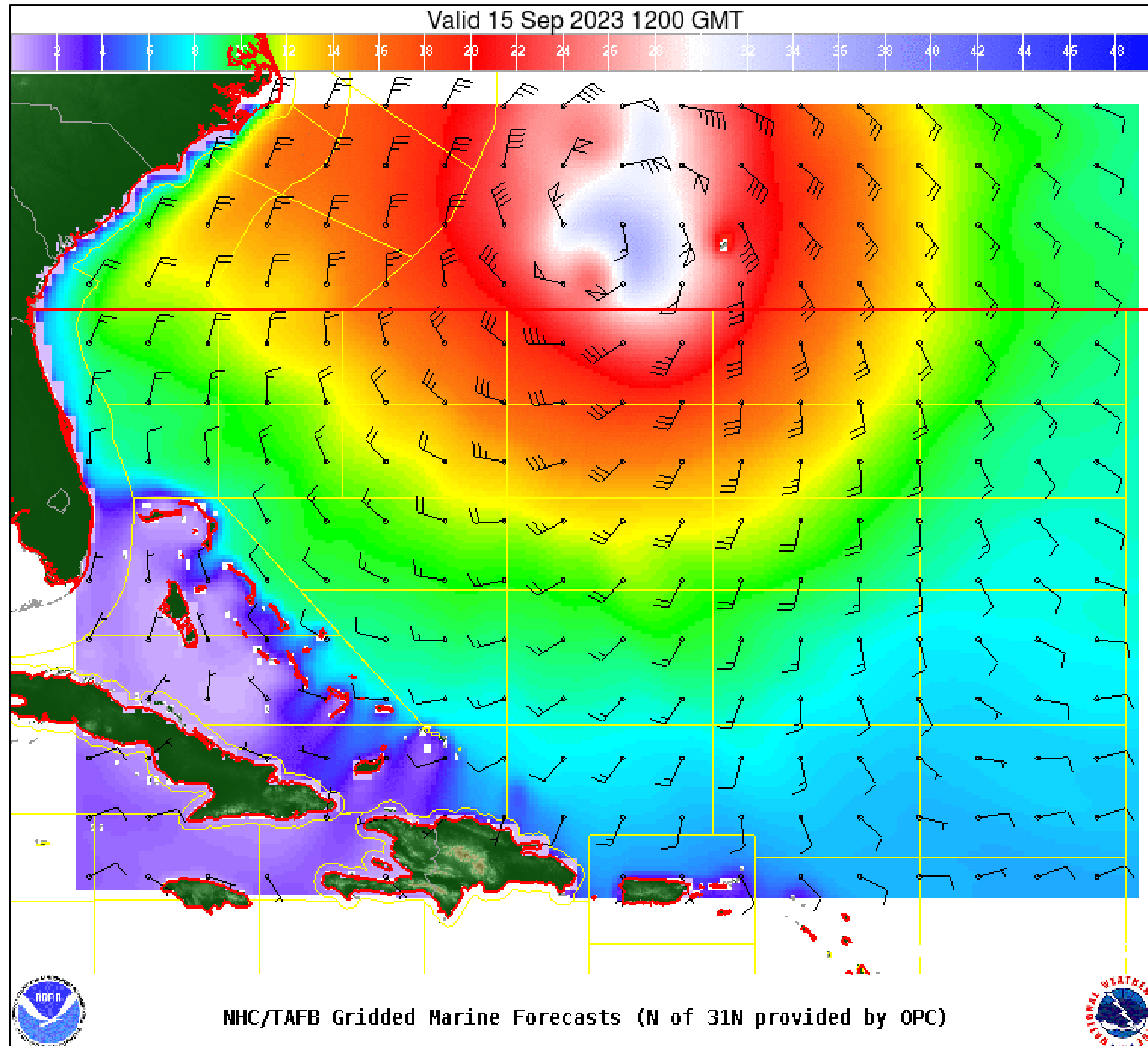
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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96h Forecast

8 AM EDT Friday, September 15

Peak Winds: 85 KT

Peak Seas: 35 FT

■ Wave heights are in feet



Significant Wave Height (ft)

Key Messages

Hurricane Lee



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NWS National Hurricane Center



Key Messages for Hurricane Lee Advisory 24: 5:00 AM AST Mon Sep 11, 2023



1. Dangerous surf and life-threatening rip currents will affect portions of the northern Leeward Islands, the Virgin Islands, Puerto Rico, Hispaniola, the Turks and Caicos Islands, the Bahamas, and Bermuda through much of the week.

2. Lee could bring wind, rainfall, and high surf impacts to Bermuda later this week. Although it is too soon to determine the specific timing and level of those impacts, interests on Bermuda should monitor the latest forecasts for Lee.

3. It remains too soon to know what level of impacts, if any, Lee might have along the U.S. East Coast and Atlantic Canada late this week, especially since the hurricane is expected to slow down considerably over the southwestern Atlantic. Regardless, dangerous surf and rip currents are expected along most of the U.S. East Coast this week as Lee grows in size. Users should continue to monitor updates to the forecast of Lee during the next several days.



For more information go to hurricanes.gov

IMPACTS FOR D7 (through next 5 days)

Winds – **Low**

Storm Surge – **None**

Rainfall/Flash Flooding – **None**

Tornadoes – **None**

Waves - **Extreme**

Marine Key Messages:

- Lee will continue to cause extreme marine conditions for the next 5 days.
- Peak waves will gradually diminish later in the week.
- Large swells to arrive the **SE US** starting **Wednesday**.



HURRICANE LEE BRIEFING

You can contact the Tropical Analysis and Forecast Branch at
305-229-4424

*The Next Briefing Will Be:
Tuesday 8:15 AM EDT*

You can always find get the latest graphics and information for this storm at www.hurricanes.gov



NHC_TAFB

www.nhc.noaa.gov