

IMPACTS FOR District 7 (through next 5 days)

Winds – Moderate

Storm Surge – None

Rainfall/Flash Flooding – Low

Tornadoes – None

Waves - Extreme

HURRICANE LEE BRIEFING



9:00 AM EDT

Sunday, September 10, 2023

Prepared by:

Stephen Konarik

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

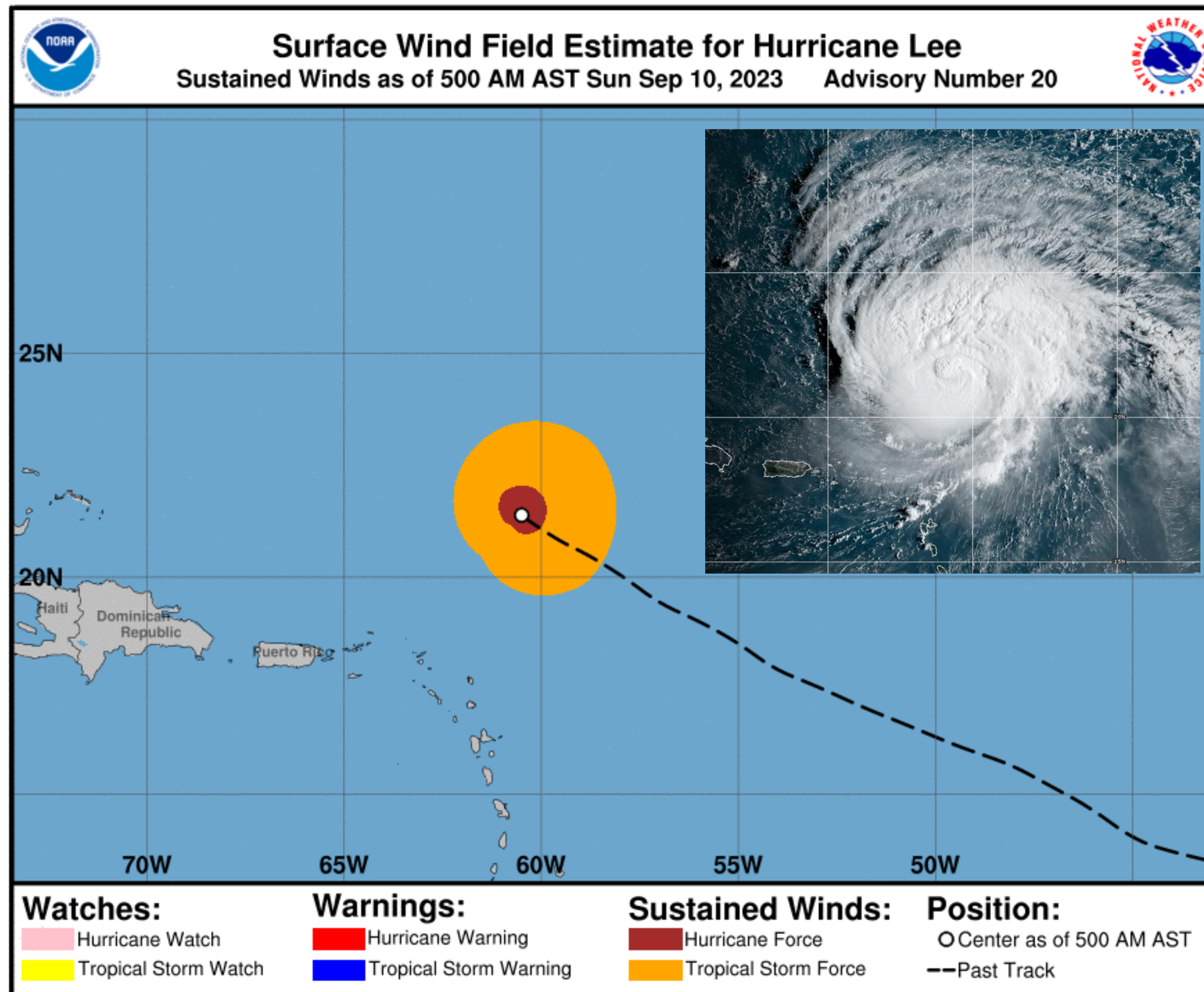
www.nhc.noaa.gov

Situation Overview

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...LEE SLOWING DOWN OVER THE SOUTHWESTERN ATLANTIC...

...HAZARDOUS BEACH CONDITIONS EXPECTED TO SPREAD THROUGH THE WESTERN ATLANTIC DURING THE WEEK...

Summary of 500 AM EDT...0900 UTC...Information

Location... 21.4N 60.5W

About 240 nm NE of northern Leeward Islands

Maximum Sustained Winds... 90 kt

Present Movement... WNW at 8 kt

Peak Seas: 35 ft

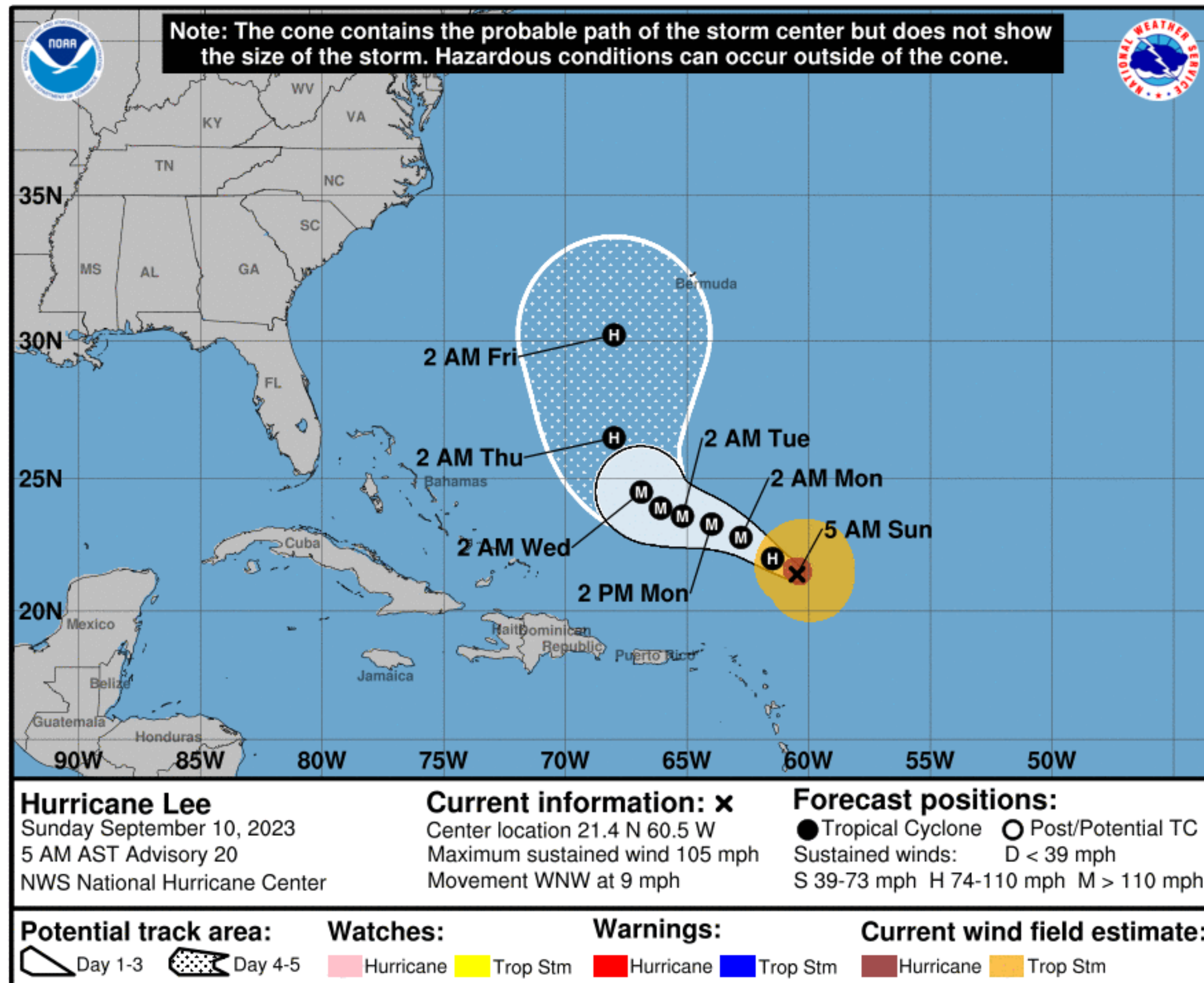
12 ft seas: 240 NE 180 SE 240 SW 300 NW

Forecast Information

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- Lee should return to major hurricane status tonight or Monday.
- A turn toward the north is expected by Wed.
- Significant swell for Anegada and Mona Passages.
- Swell reaches SE US coast Tue.

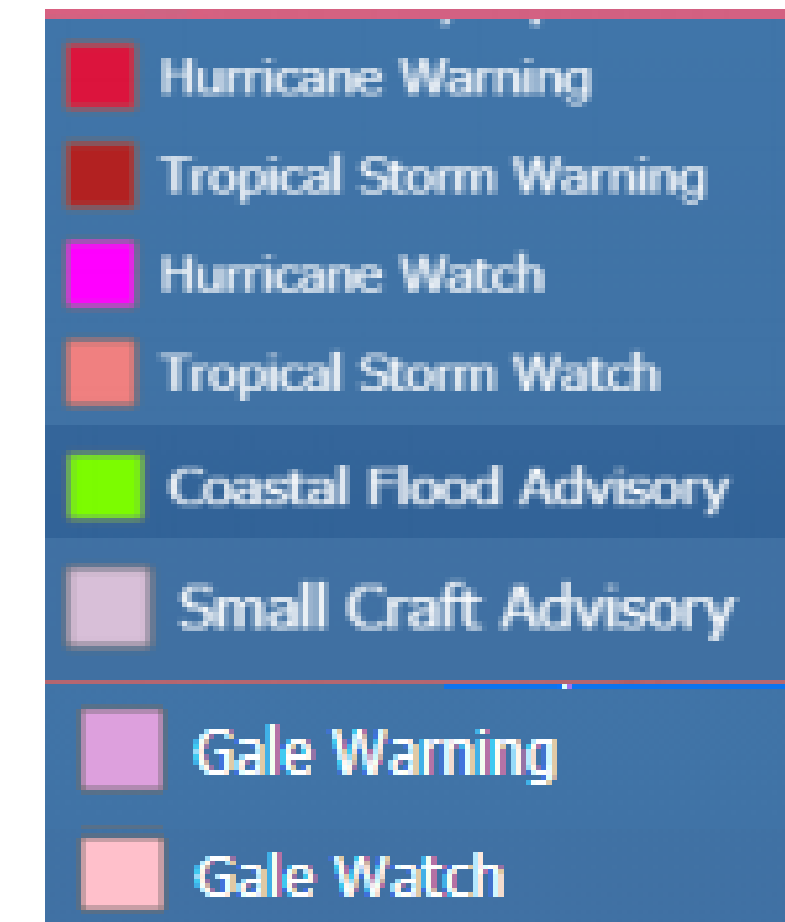
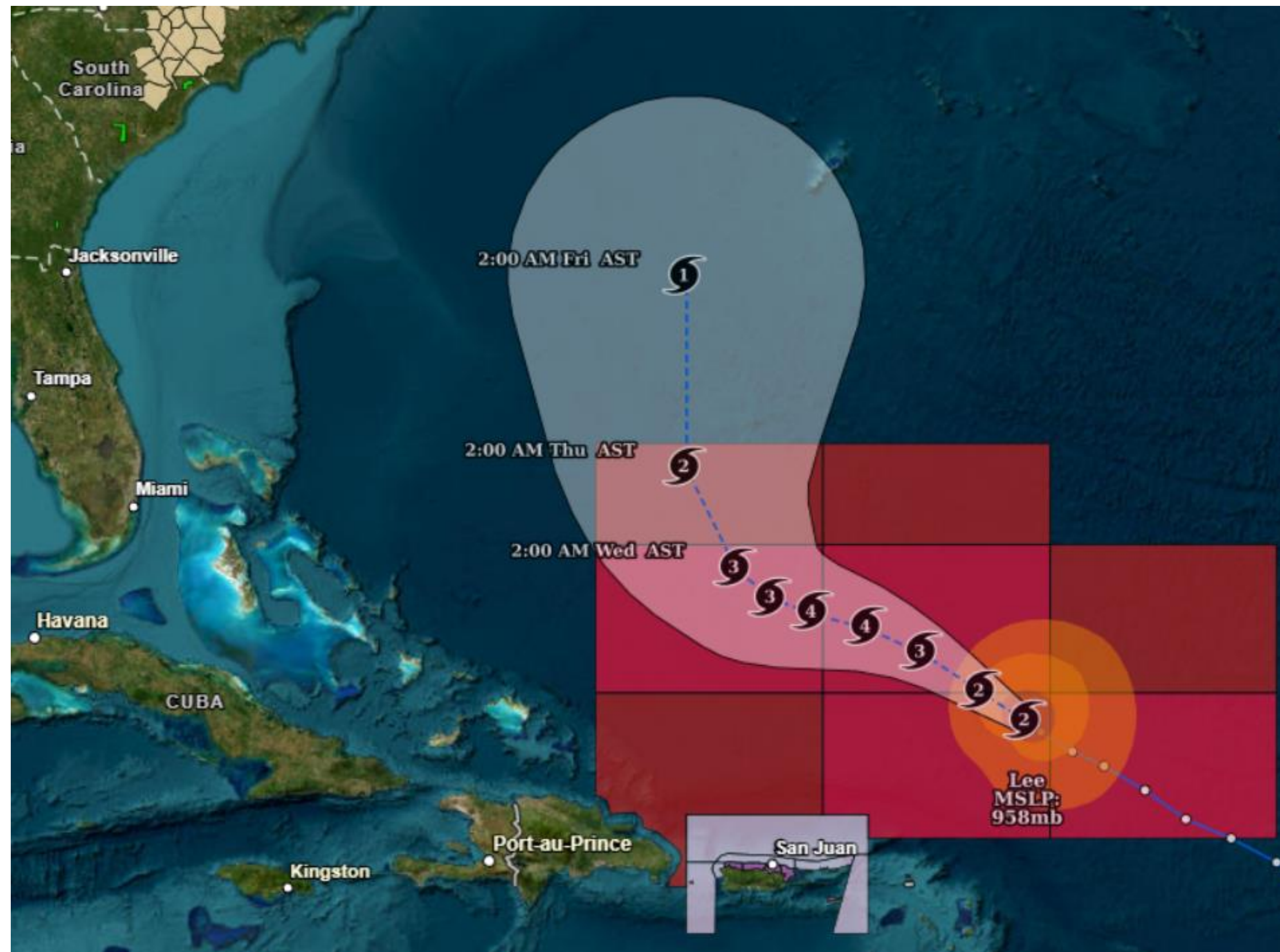
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Hazards Map

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

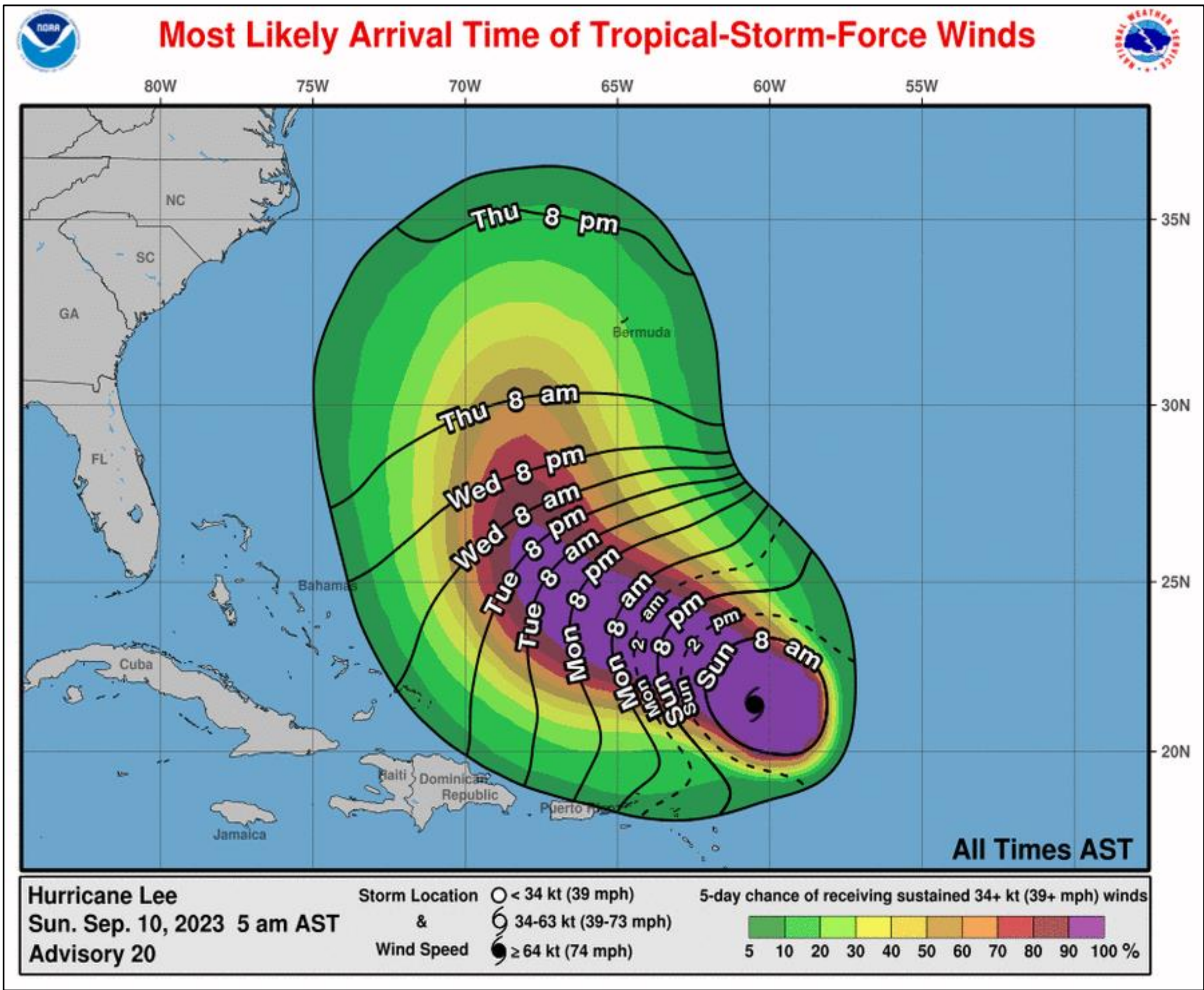


Most Likely Time of Arrival and Tropical Storm Windspeed Probabilities

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



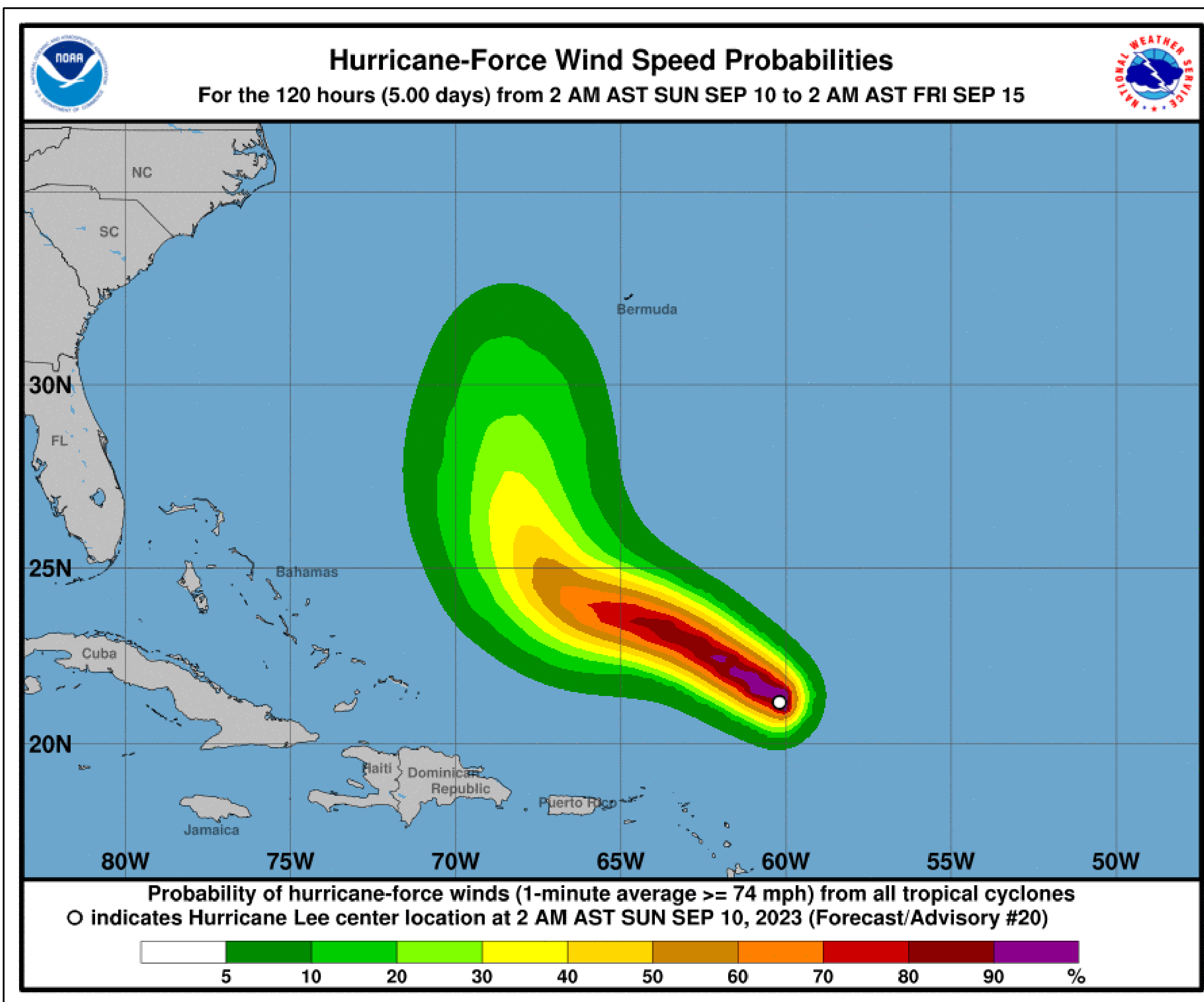
- Ponce, PR 5%
 - Aguadilla, PR 5%
 - San Juan, PR 5%
 - Vieques, PR 5%
 - St Thomas, USVI 10%
 - St John, USVI 10%
 - St Croix, USVI 5%
-
- Risk of TS winds for PR/USVI continues to decline
 - Most likely time of TS winds arrival
 - USVI: Mon morning
 - PR: Mon evening

Hurricane Wind Speed Probabilities

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



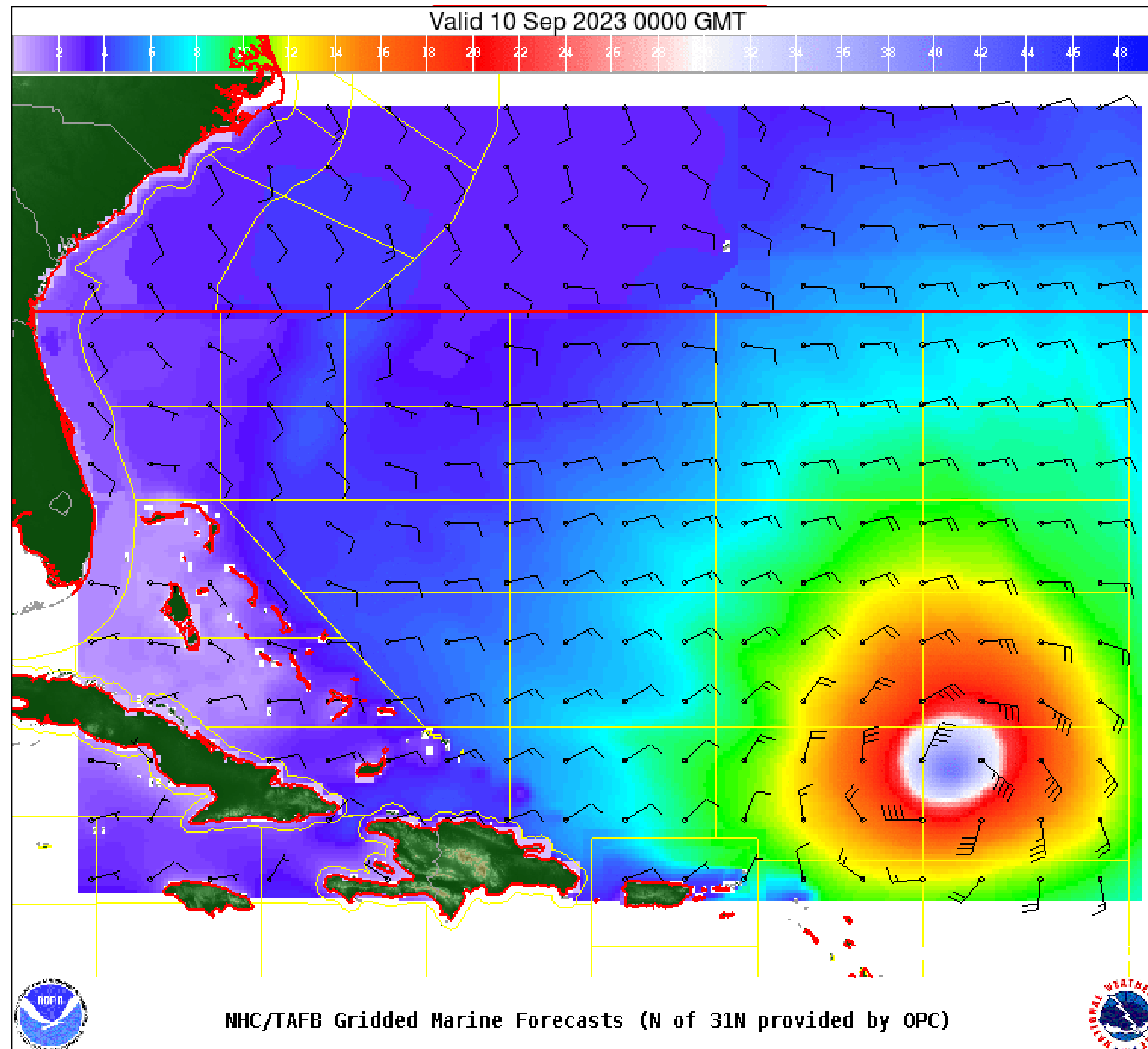
- Hurricane Force winds will remain well N/E of land area.

Wind And Waves

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Current Conditions

Sun Morning, Sep 10 2023

Peak Winds: 90 kt

Peak Seas: 35 ft

4-6 ft swell Anegada and Mona Passages

- Wave heights are in feet



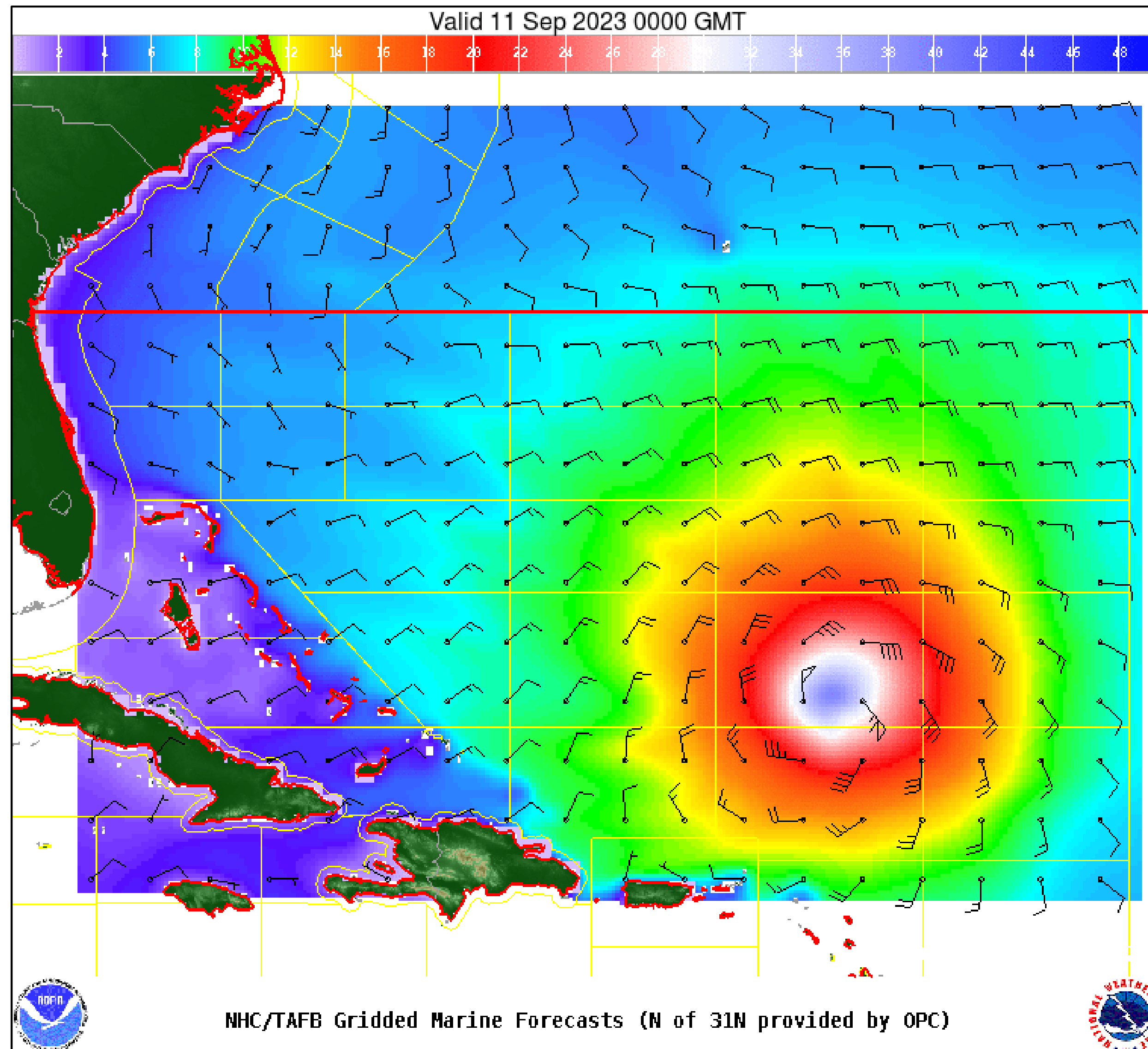
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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NWS National Hurricane Center



24 Hour Forecast

Mon morning, Sep 11, 2023

Peak Winds: 105 kt

Peak Seas: 40 ft

6-10 ft swell Anegada and Mona Passages

- Wave heights are in feet



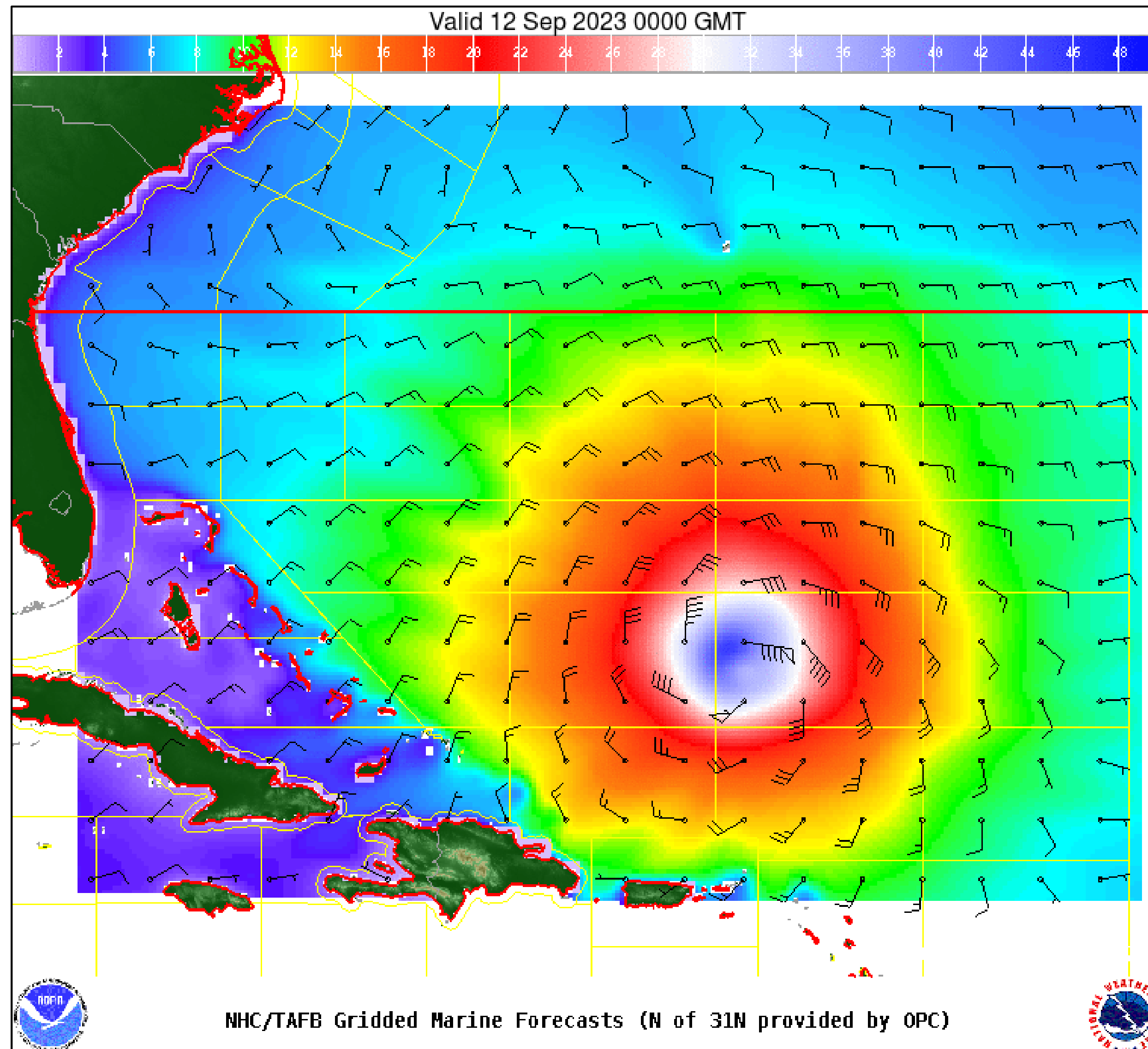
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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48 Hour Forecast

Tue morning Sep 12, 2023

Peak Winds: 115 kt

Peak Seas: 45 ft

8 to 12 ft swell Anegada and Mona Passages

- Wave heights are in feet



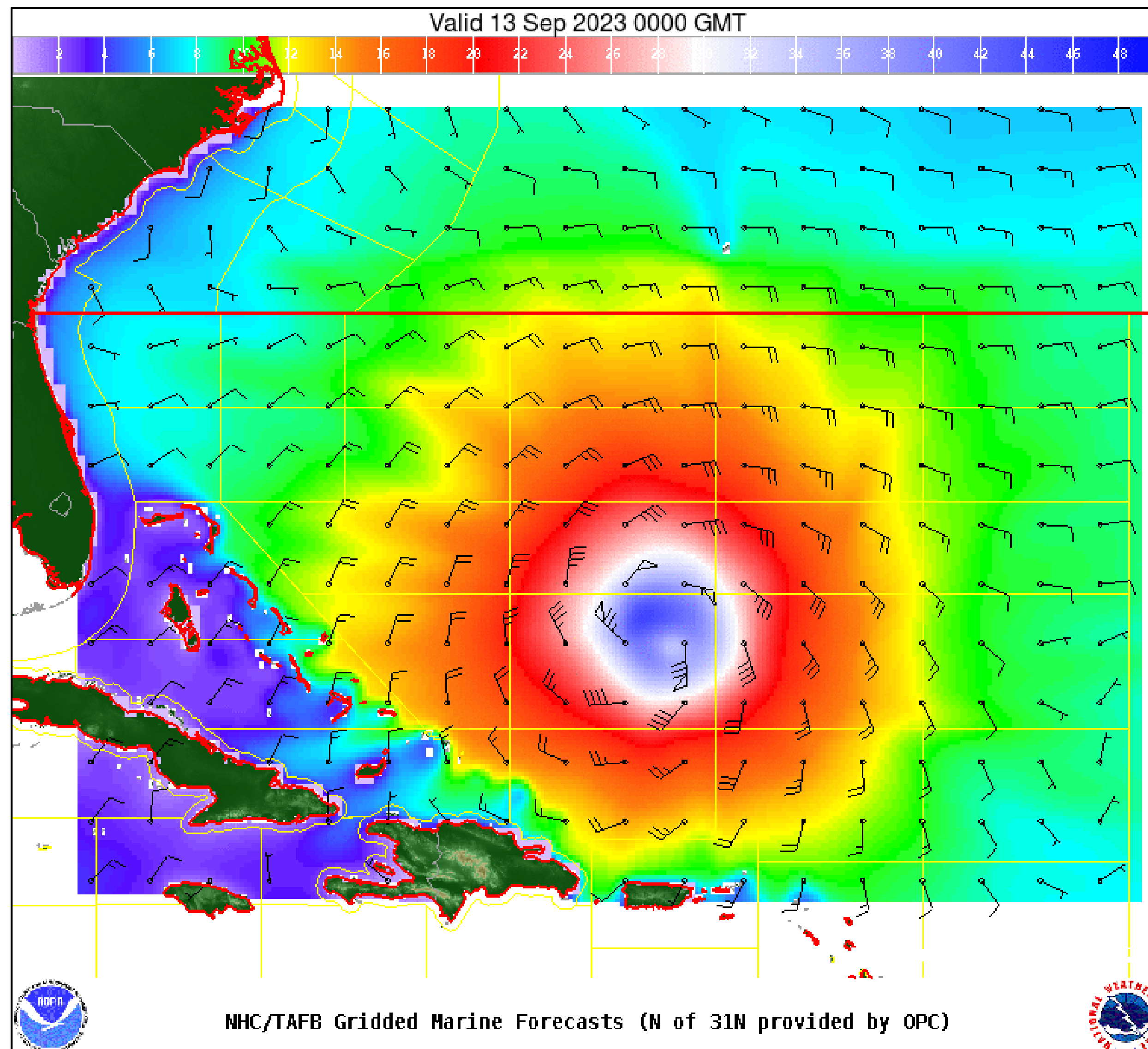
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



72 Hour Forecast

Wed morning Sep 13, 2023

Peak Winds: 105 kt

Peak Seas: 45 ft

10 to 14 ft swell Anegada and Mona Passages

6 to 8 ft swell SE U.S. coast

■ Wave heights are in feet



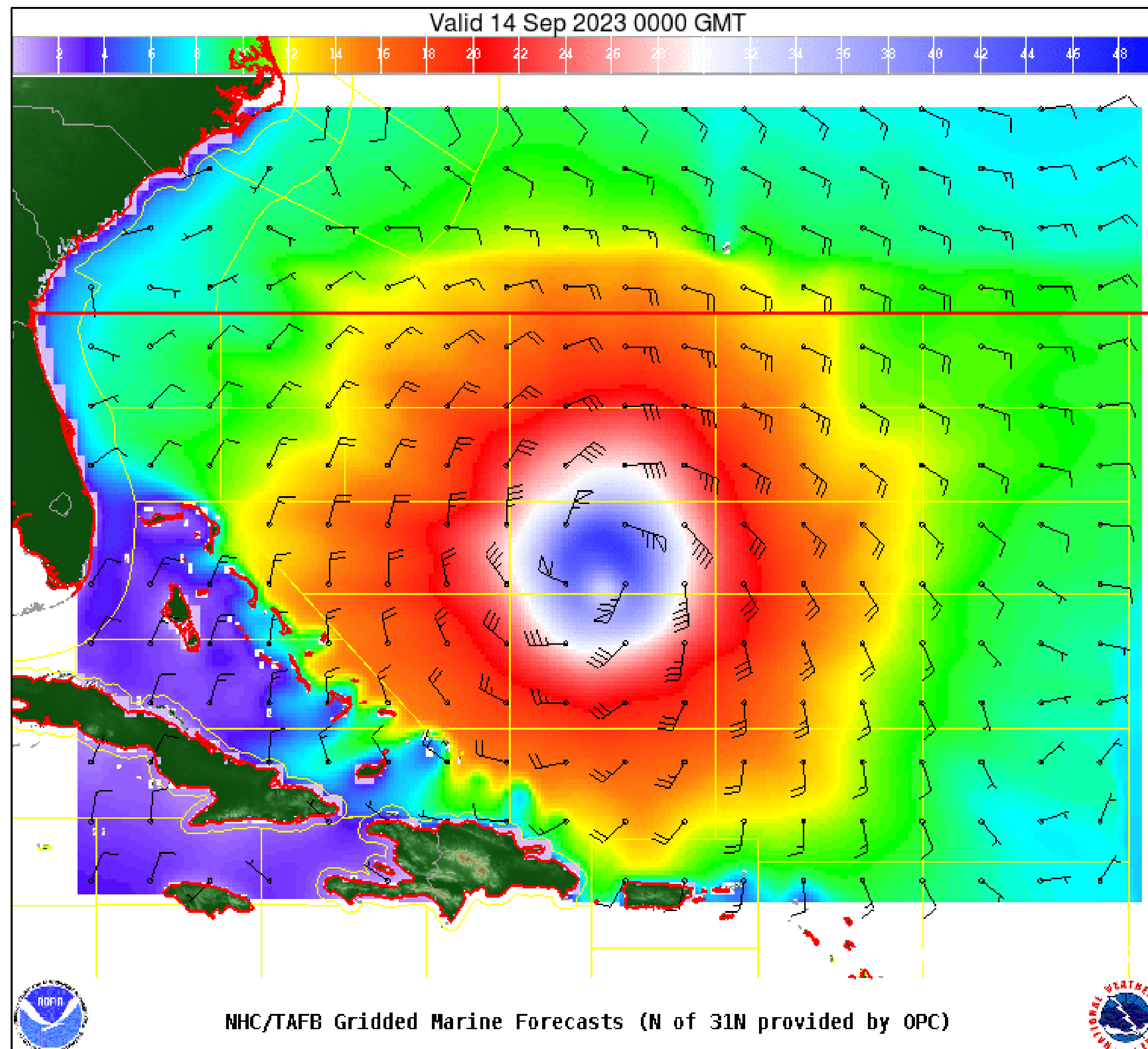
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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NWS National Hurricane Center



96 Hour Forecast

Thu morning Sep 14, 2023

Peak Winds: 95 kt

Peak Seas: 45 ft

10 to 14 ft swell Anegada and Mona Passages

8 to 12 ft swell SE U.S. coast

- Wave heights are in feet



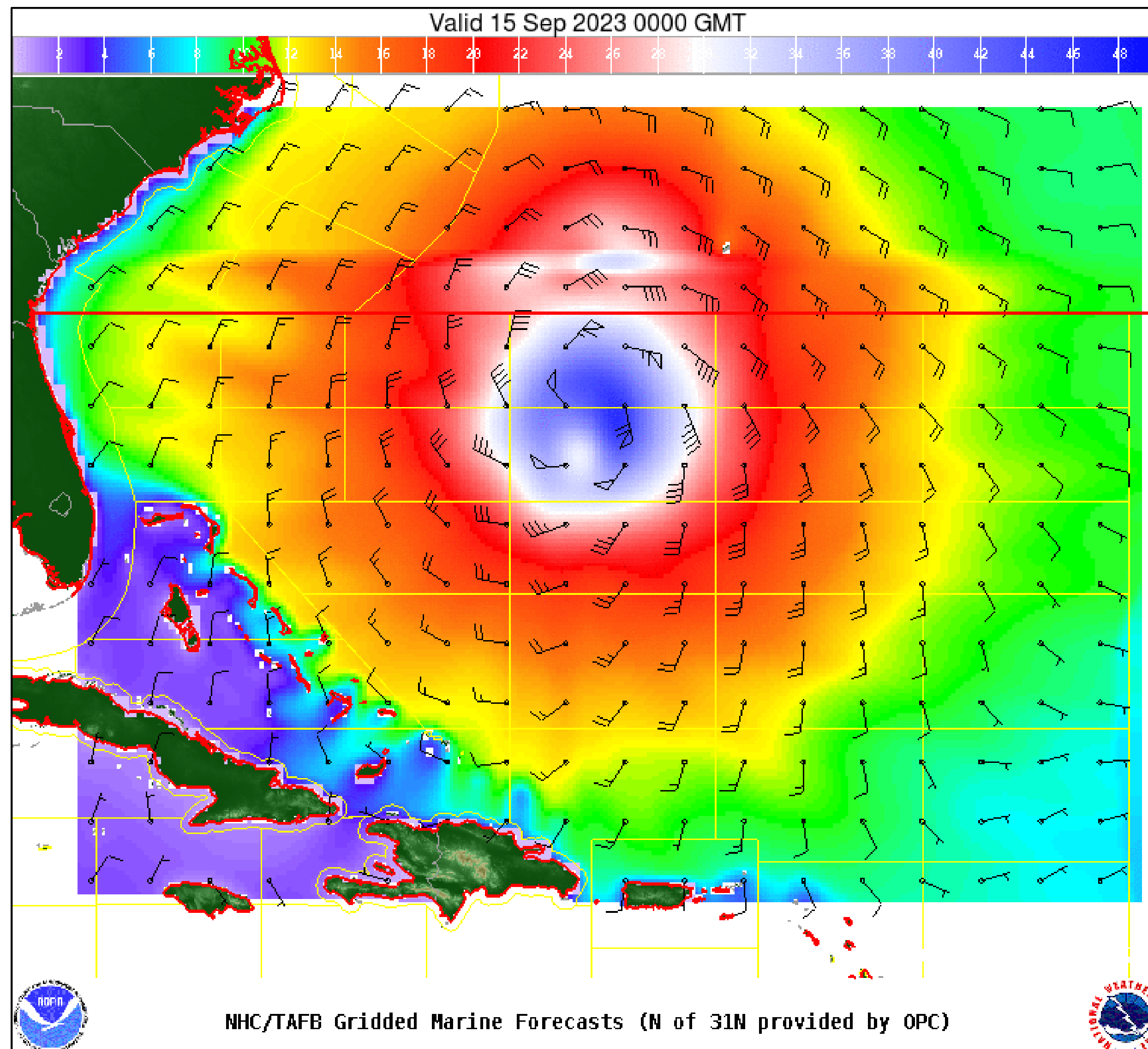
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



120 Hour Forecast

Fri morning Sep 15, 2023

Peak Winds: 90 kt

Peak Seas: 42 ft

8 to 12 ft swell Anegada and Mona Passages

10 to 14 ft swell SE U.S. coast

- Wave heights are in feet



Significant Wave Height (ft)

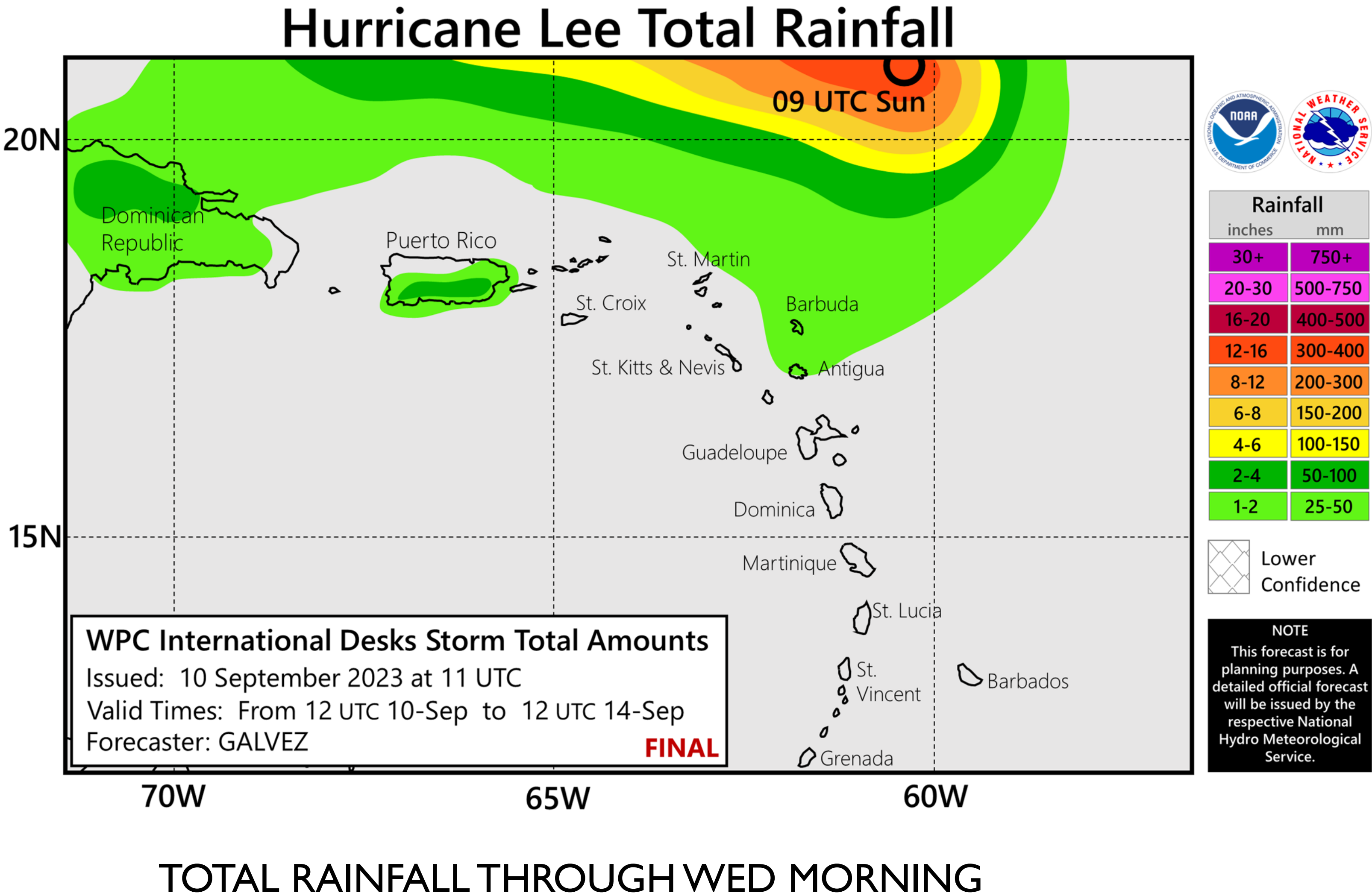
Expected Storm Total Rainfall

Hurricane Lee

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center





Key Messages

Hurricane Lee




Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Hurricane Lee

Advisory 20: 5:00 AM AST Sun Sep 10, 2023

1. Lee's core is expected to move well north of the northern Leeward Islands, the Virgin Islands, and Puerto Rico early this week.
2. Dangerous surf and life-threatening rip currents are affecting portions of the northern Leeward Islands and Puerto Rico. These conditions are spreading westward and northward and will affect Hispaniola, the Turks and Caicos, the Bahamas, and Bermuda during the next several days.
3. It remains too soon to know what level of impacts, if any, Lee might have along the U.S. East Coast, Atlantic Canada, or Bermuda late next 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 beginning soon and continuing through the week as Lee grows in size. Users should continue to monitor updates to the forecast of Lee during the next several days.




Hurricane Lee
Sunday September 10, 2023
5 AM AST Advisory 20
NWS National Hurricane Center

Current information: x
Center location 21.4 N 60.5 W
Maximum sustained wind 105 mph
Movement WNW at 9 mph

Forecast positions:
● Tropical Cyclone ○ Post/Potential TC
Sustained winds: ○ < 39 mph
S 39-73 mph H 74-110 mph M > 110 mph

Potential track area: Day 1-3 Day 4-5
Watches: Hurricane Trop Stm
Warnings: Hurricane Trop Stm
Current wind field estimate: Hurricane Trop Stm

Most Likely Arrival Time of Tropical-Storm-Force Winds



Hurricane Lee
Sun. Sep. 10, 2023 5 am AST
Advisory 20

Storm Location: ○ = 34 kt (39 mph) ○ = 34-63 kt (39-73 mph) ● = 64 kt (74 mph)
Wind Speed: ● = 64 kt (74 mph)
5-day chance of receiving sustained 34+ kt (39+ mph) winds: 5 10 20 30 40 50 60 70 80 90 100 %

For more information go to hurricanes.gov

IMPACTS FOR District 7 (through next 5 days)

Winds – Moderate

Storm Surge – None

Rainfall/Flash Flooding – Low

Tornadoes – None

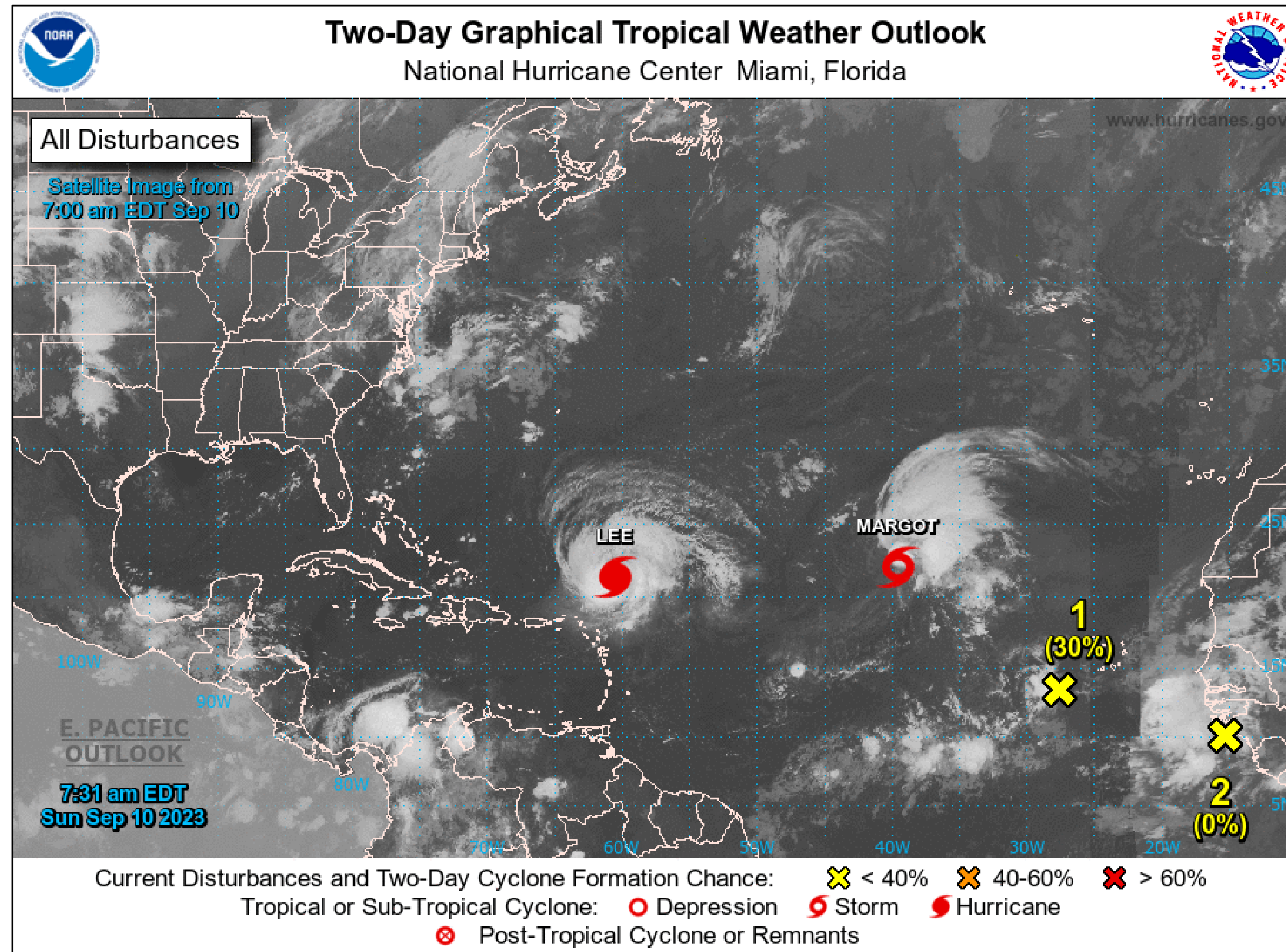
Waves - Extreme

Tropical Weather Outlook

Hurricane Lee



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- *TS Margot and areas being monitored currently no threat to District 7's area waters*



HURRICANE LEE BRIEFING

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

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



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www.nhc.noaa.gov