

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – None

Rainfall/Flash Flooding – Low

Tornadoes – None

Waves - Extreme

HURRICANE LEE BRIEFING

9:00 AM EDT

Saturday, September 9, 2023

Prepared by:

Eric Christensen

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

www.nhc.noaa.gov

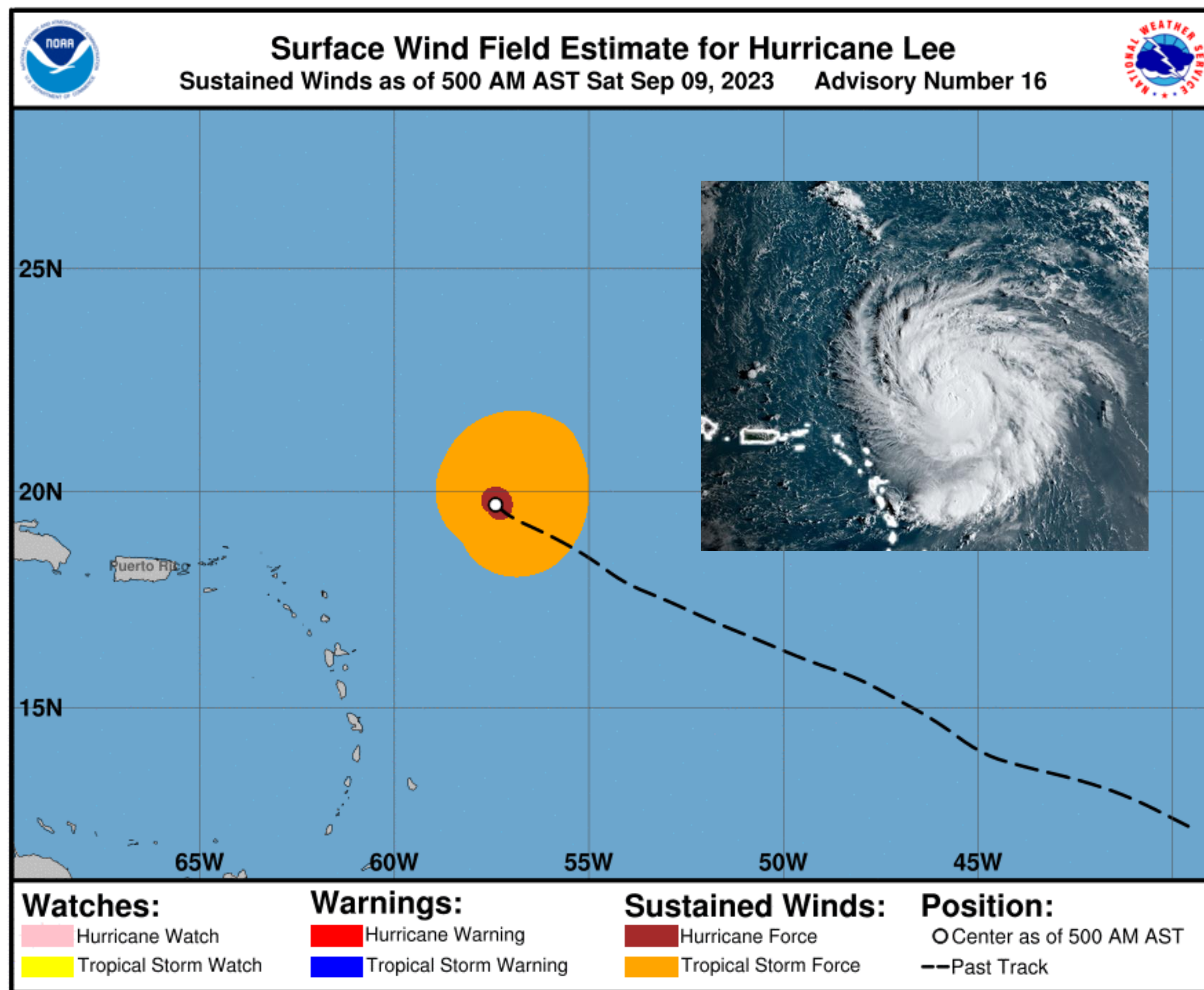
Lee's core is expected to move well north of the northern Leeward Islands, the Virgin Islands, and Puerto Rico this weekend and early next week.
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64 KT..... 25NE 25SE 15SW 25NW 50 KT..... 70NE 50SE 40SW 60NW 34 KT..... 150NE 120SE 70SW 100NW 12 FT SEAS..270NE 150SE 210SW 330NW.

Situation Overview

Hurricane Lee



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...LEE MAINTAINS MAJOR HURRICANE STATUS WHILE
MOVING WEST-NORTHWESTWARD...

...HAZARDOUS BEACH CONDITIONS EXPECTED TO
DEVELOP AROUND THE WESTERN ATLANTIC THROUGH
NEXT WEEK...

SUMMARY OF 500 AM AST...0900 UTC...INFORMATION

LOCATION...19.7N 57.4W

ABOUT 335 NM ENE OF THE NORTHERN LEEWARD
ISLANDS

MAXIMUM SUSTAINED WINDS...100 kt

PRESENT MOVEMENT...WNW at 10 kt

Peak Seas 36 ft

Size

64 KT..... 25NE 25SE 15SW 25NW.

50 KT..... 70NE 50SE 40SW 60NW.

34 KT..... 150NE 120SE 70SW 100NW.

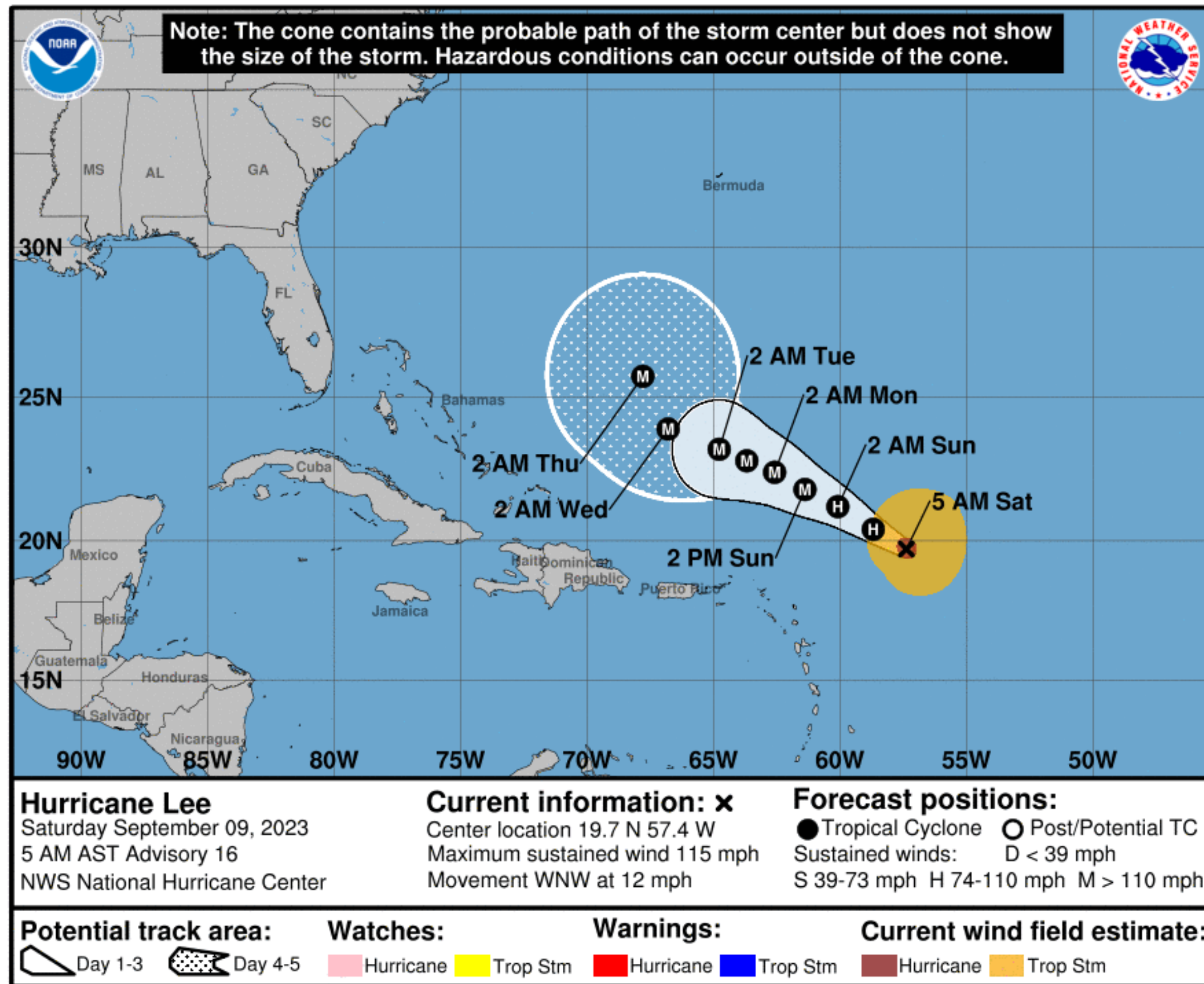
12 FT SEAS..270NE 150SE 210SW 330NW

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 is expected to remain a major hurricane
- A turn to the north is anticipated starting Wed
- 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

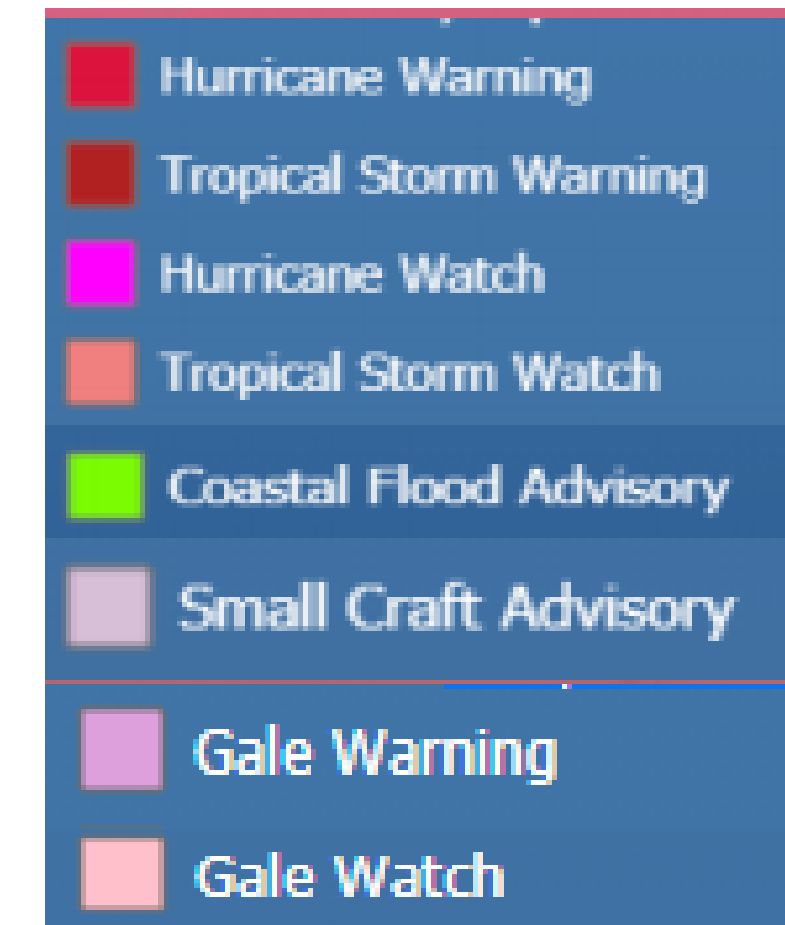
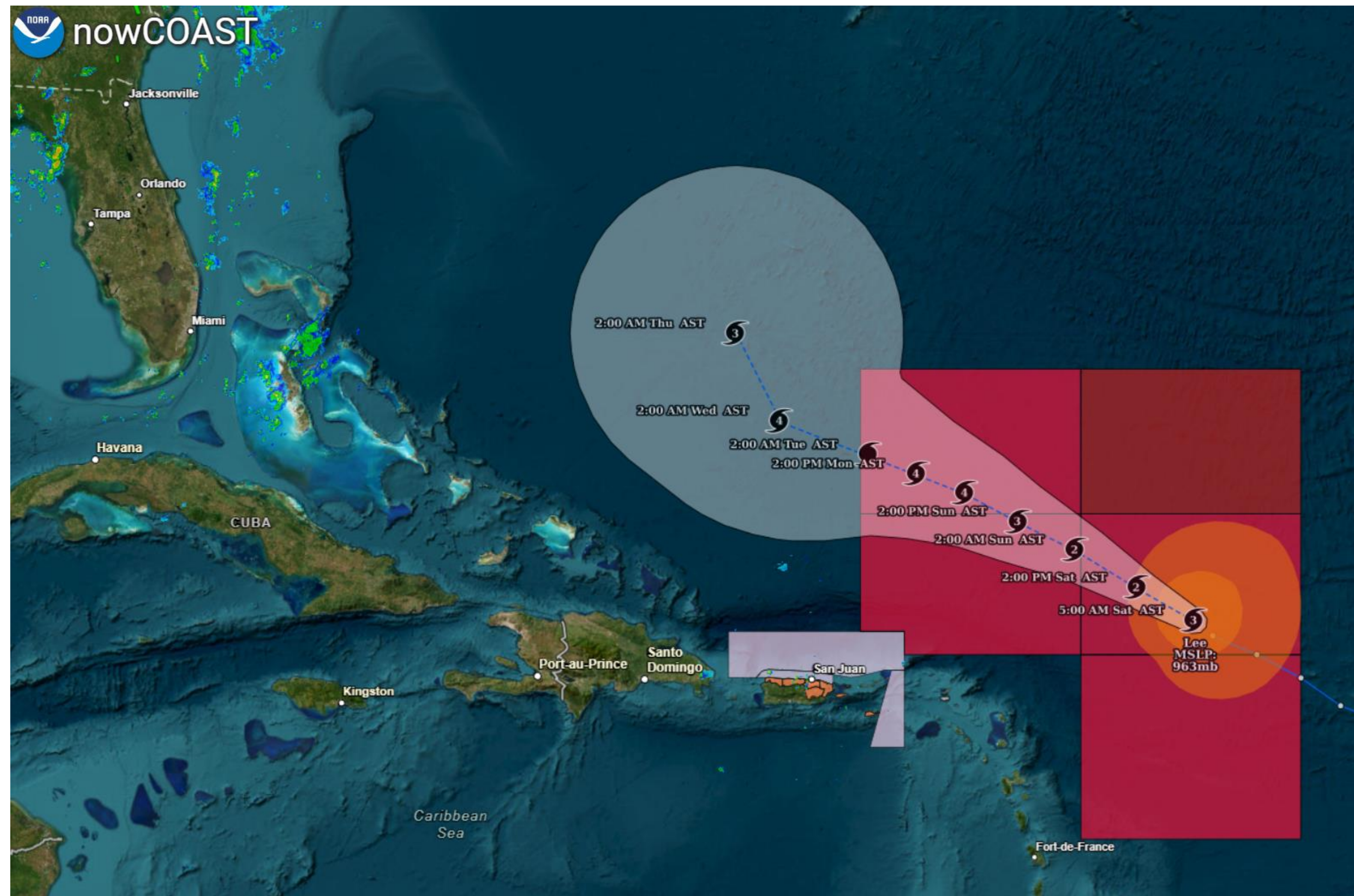
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Hurricane Lee



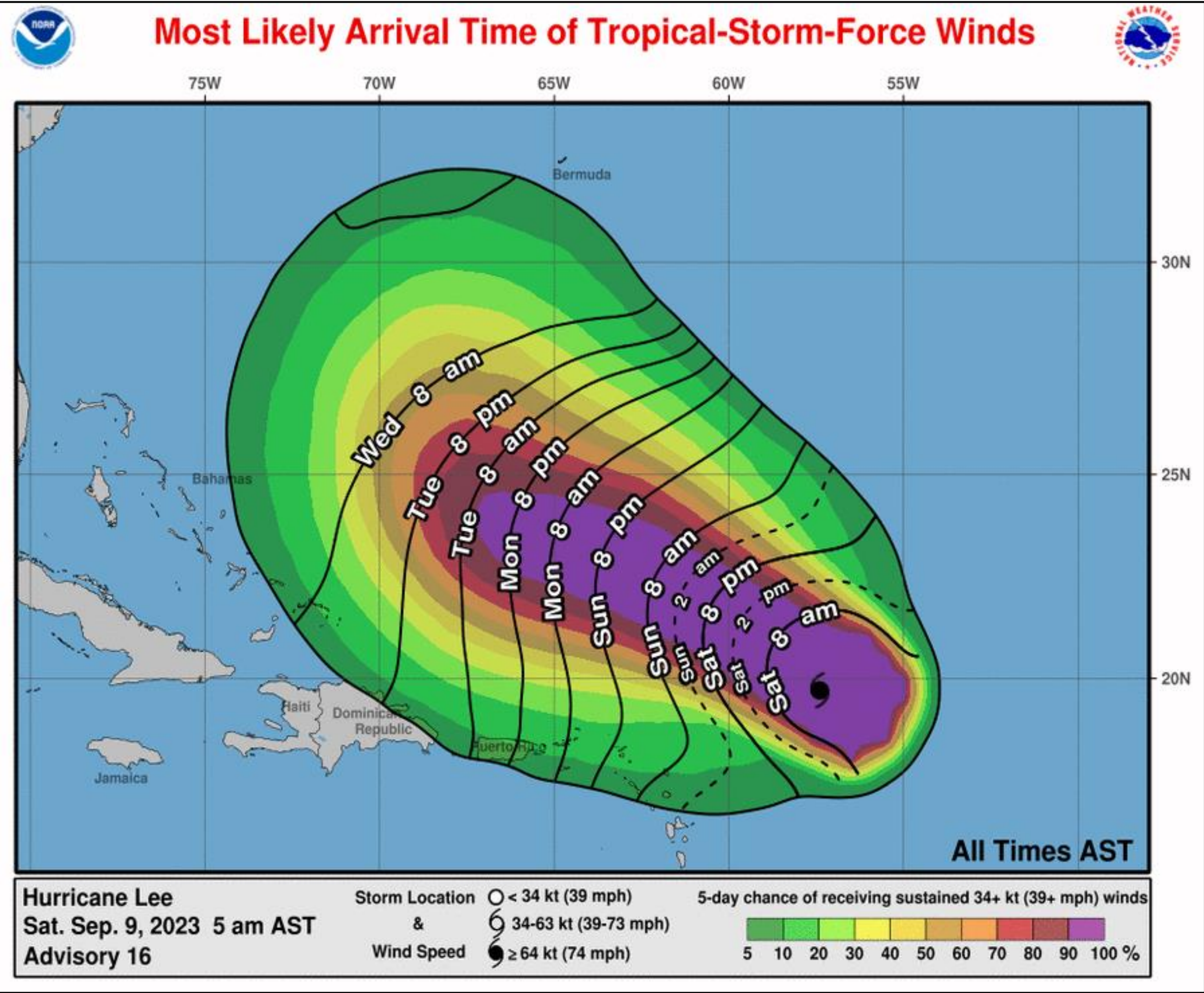
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- Copy/paste image from <https://nowcoast.noaa.gov/>



Hurricane Lee



- Ponce, PR – 5%
- Aguadilla, PR – 10%
- San Juan, PR – 10%
- Vieques, PR – 10%
- St Thomas – 15%
- St John – 15%
- St Croix – 10%

Arrival times: USVI Monday morning, PR Monday evening

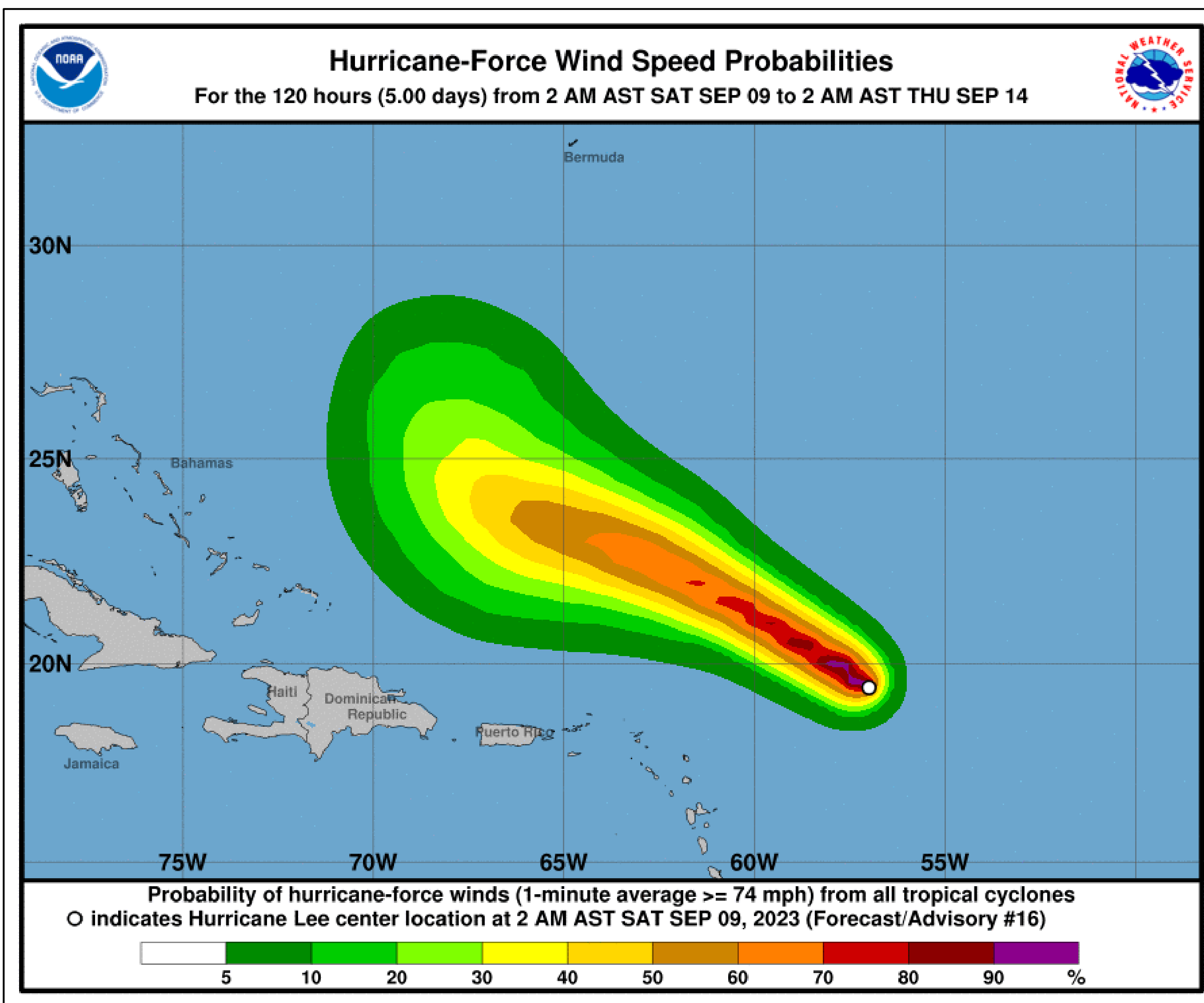
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Hurricane Wind Speed Probabilities

Hurricane Lee



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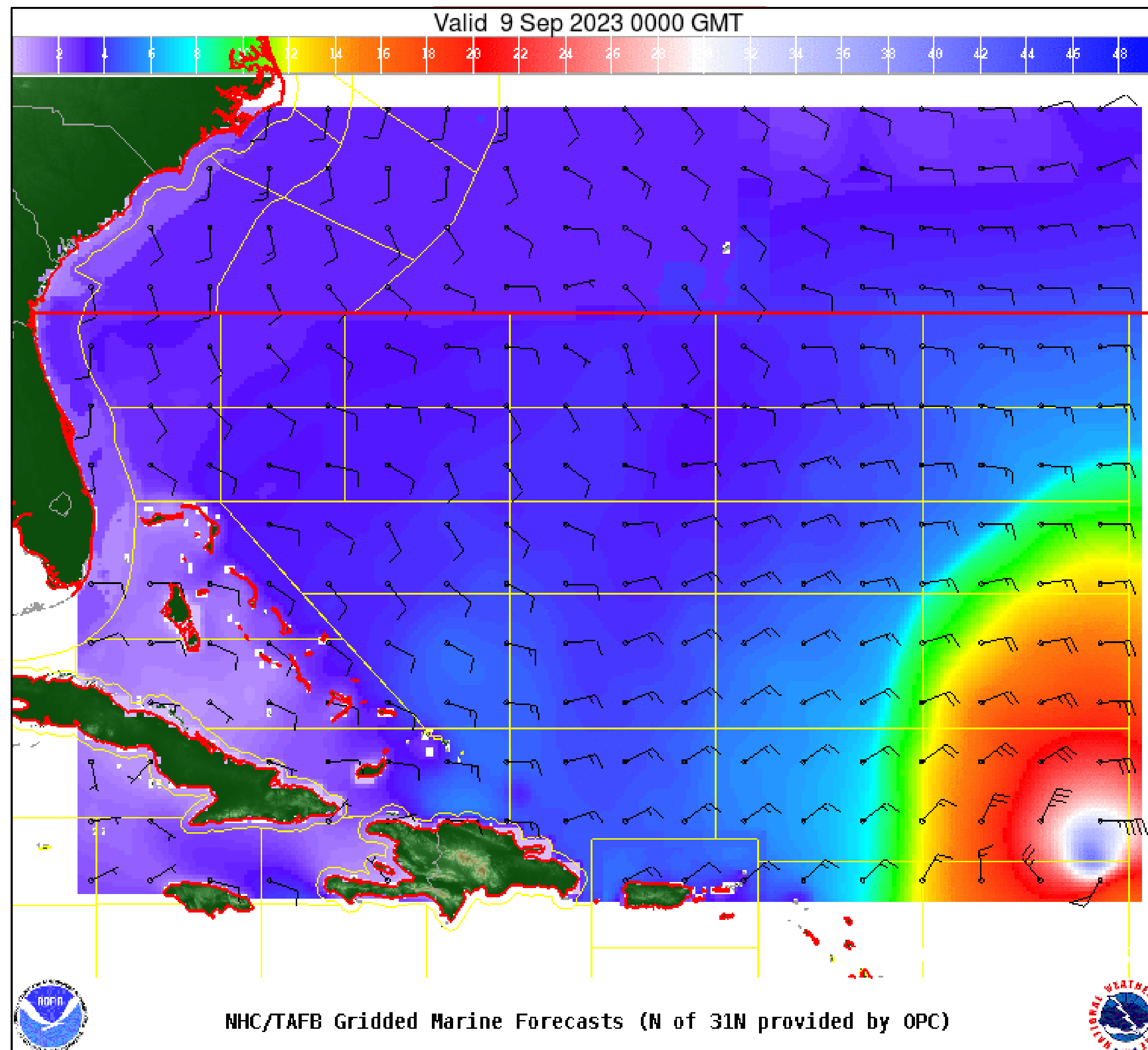
- No chance for hurricane force winds in Puerto Rico or the USVI
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are 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 Conditions

9 AM EDT, Saturday, September 9, 2023

Peak Winds: 100 kt

Peak Seas: 36 ft

- Wave heights are in feet



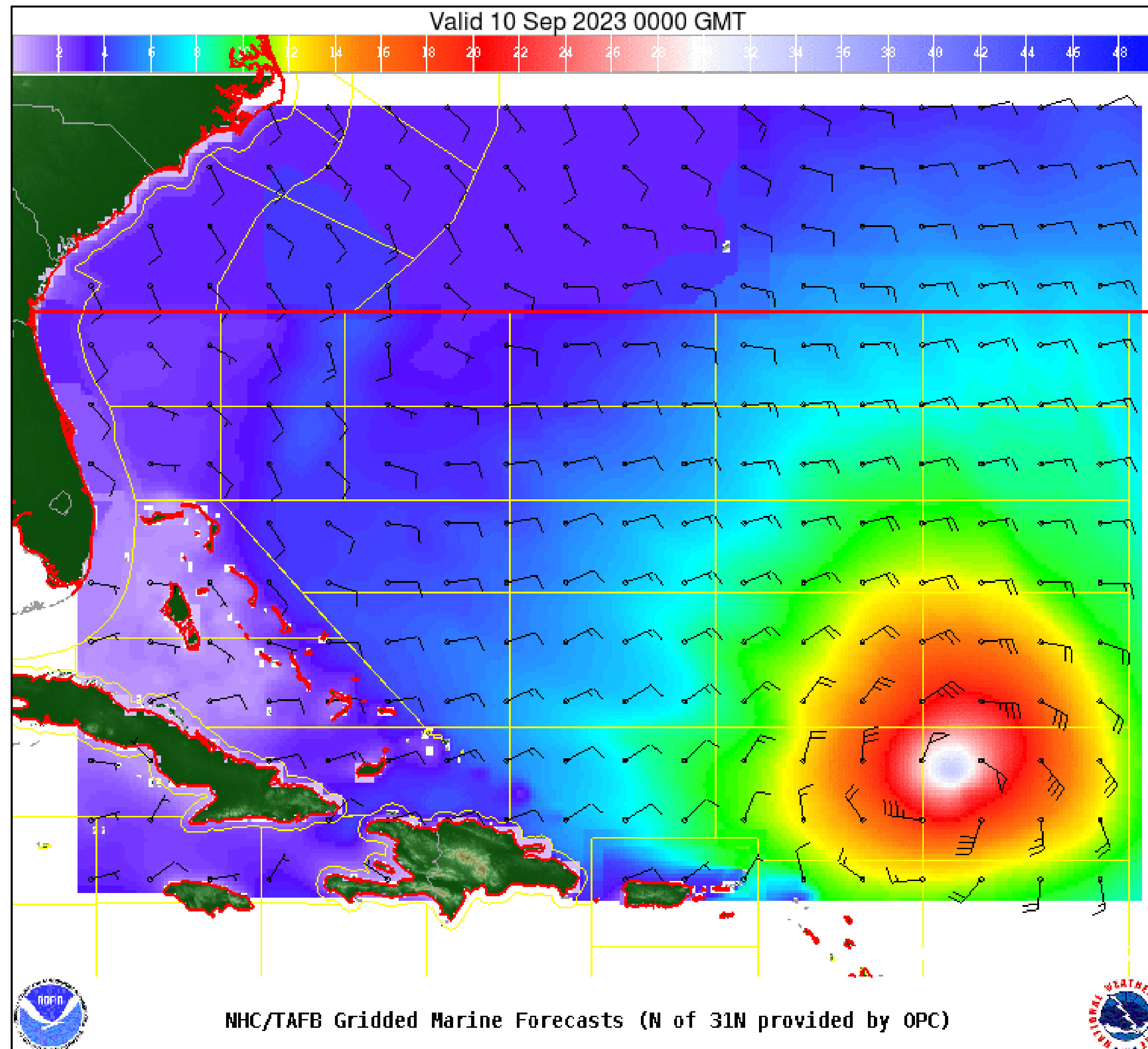
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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24 Hour Forecast

8am EDT, Sunday, September 10

Peak Winds: 95 kt

Peak Seas: 40 ft

- Wave heights are in feet



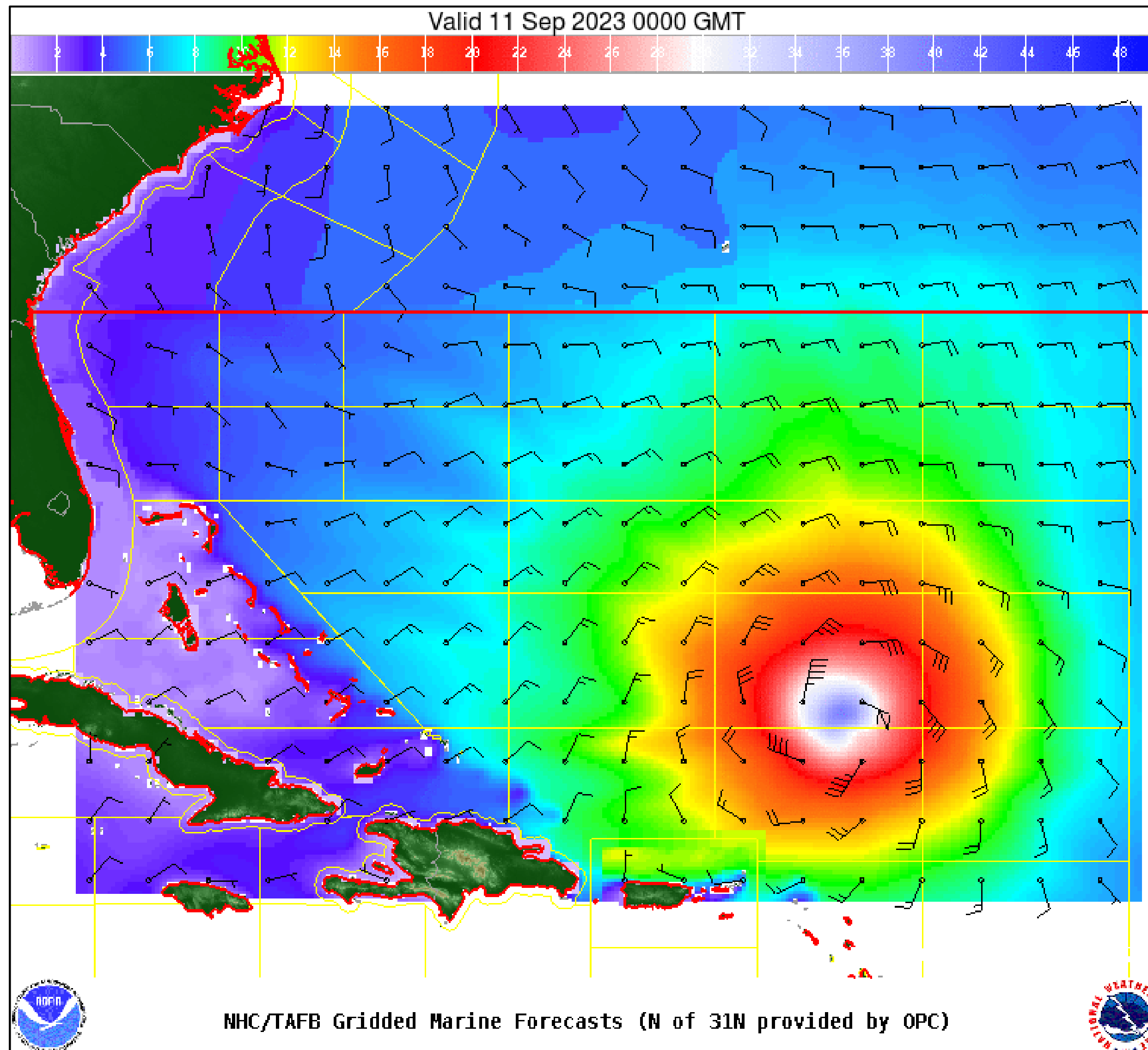
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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48 Hour Forecast

8am EDT, Monday, September 11

Peak Winds: 115 kt

Peak Seas: 45 ft

■ Wave heights are in feet



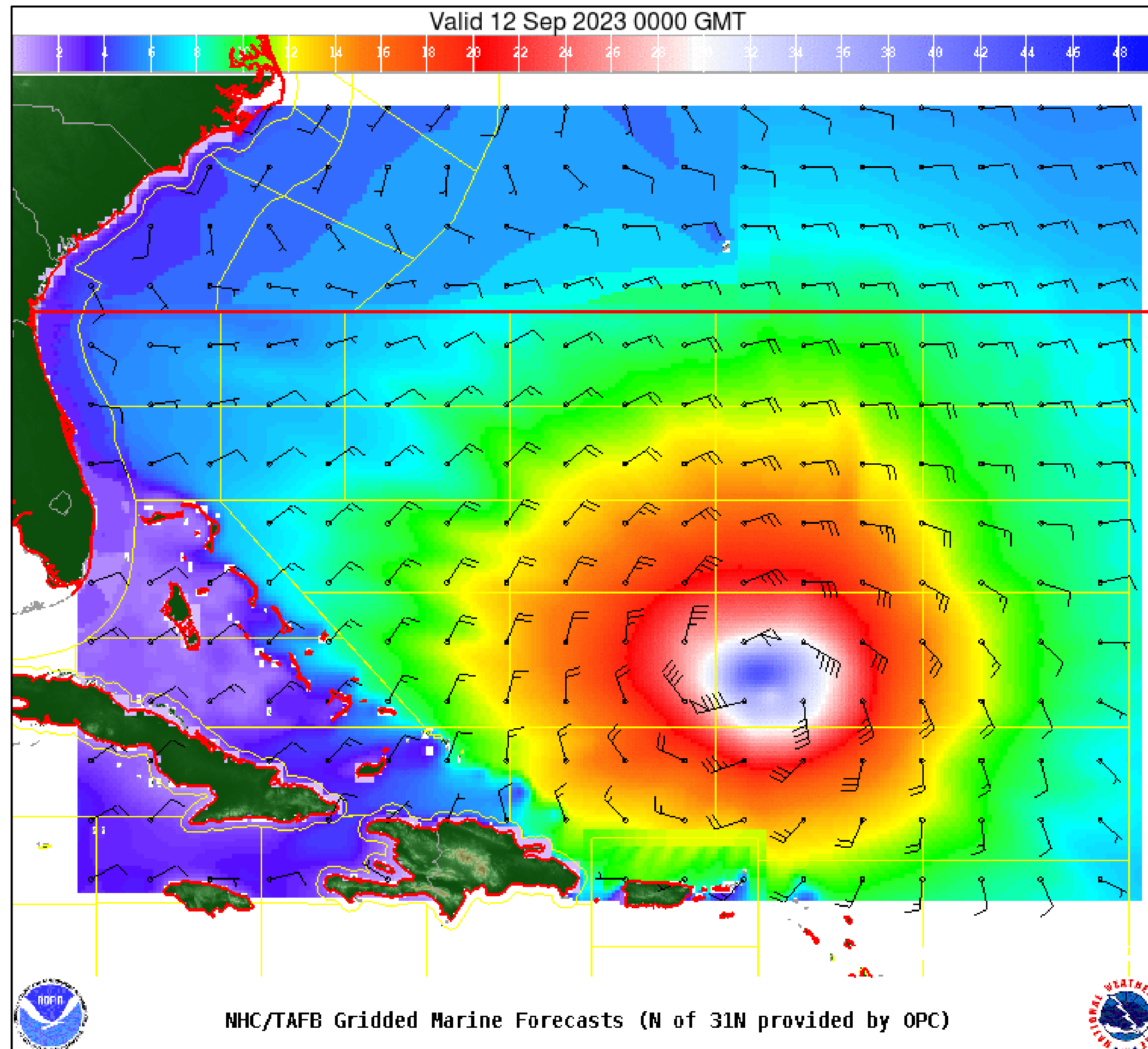
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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72 Hour Forecast

8am EDT, Tuesday, September 12

Peak Winds: 120 kt

Peak Seas: 50 ft

■ Wave heights are in feet



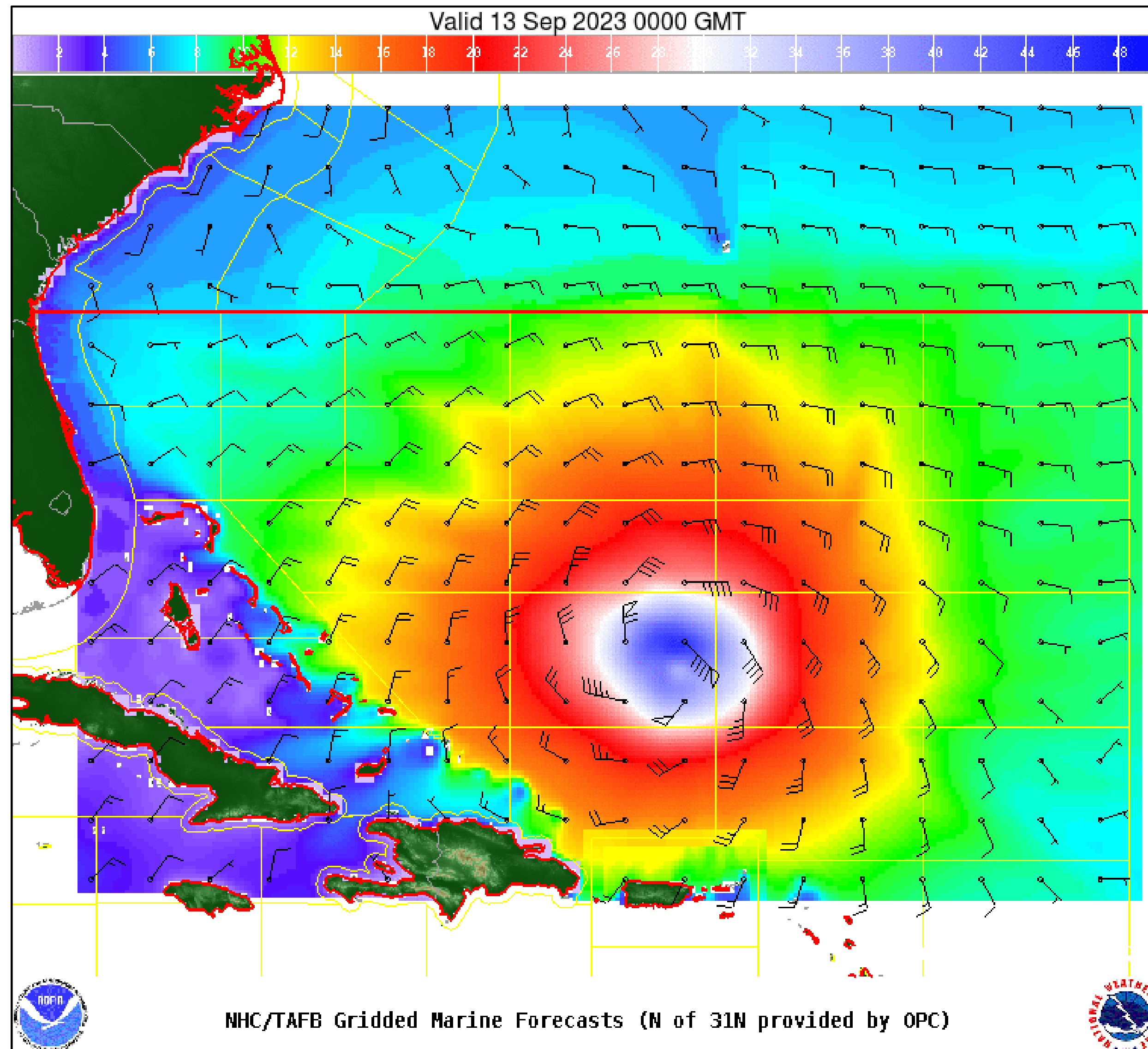
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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96 Hour Forecast

8am EDT, Wednesday, September 13

Peak Winds: 115 kt

Peak Seas: 50 ft

- Wave heights are in feet



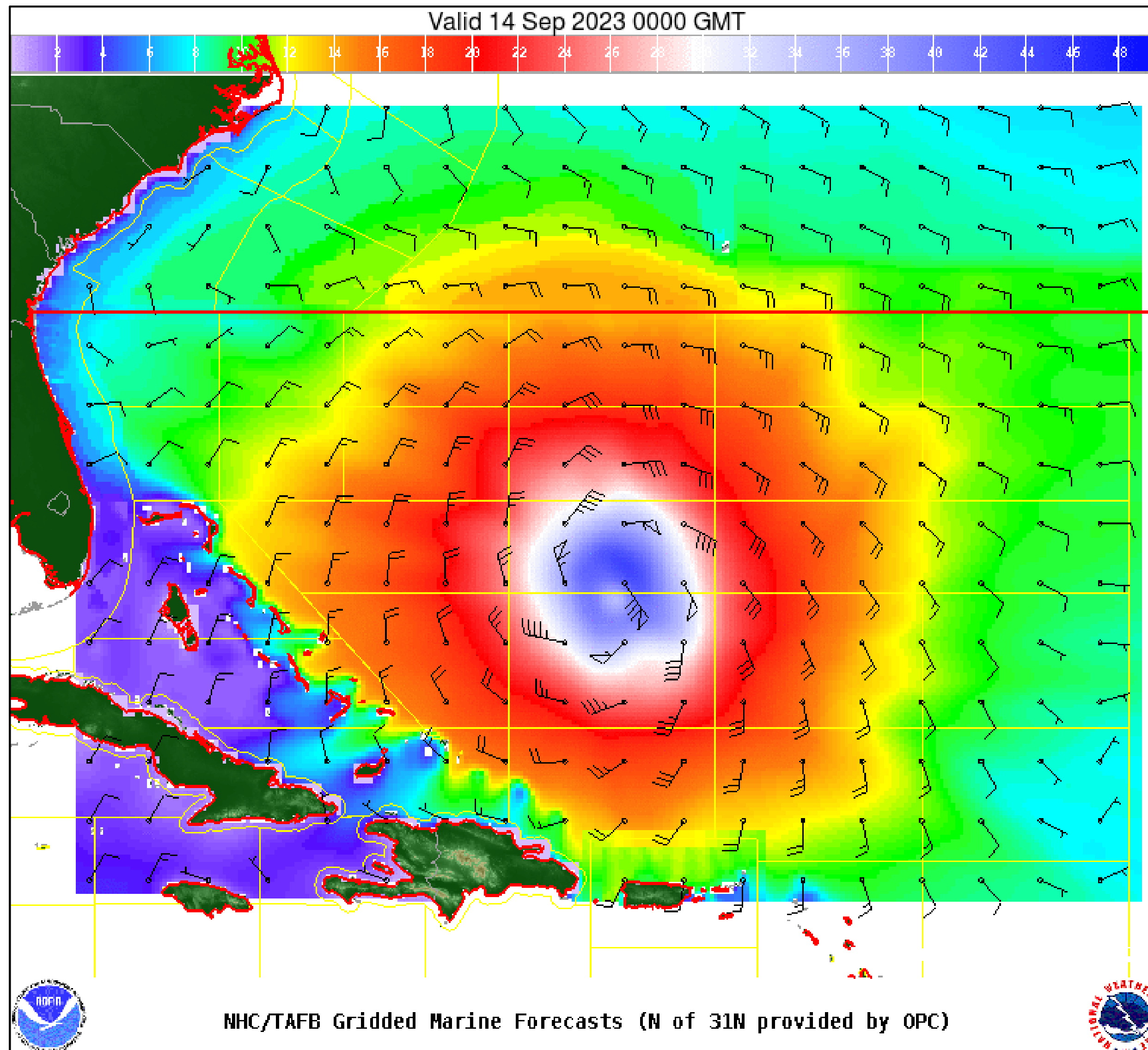
Significant Wave Height (ft)

Wind And Waves

Hurricane Lee



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120 Hour Forecast

8am EDT, Thursday, September 14

Peak Winds: 105 kt

Peak Seas: 50 ft

- Wave heights are in feet



Significant Wave Height (ft)

Expected Storm Total Rainfall and Chance of Rainfall Flooding

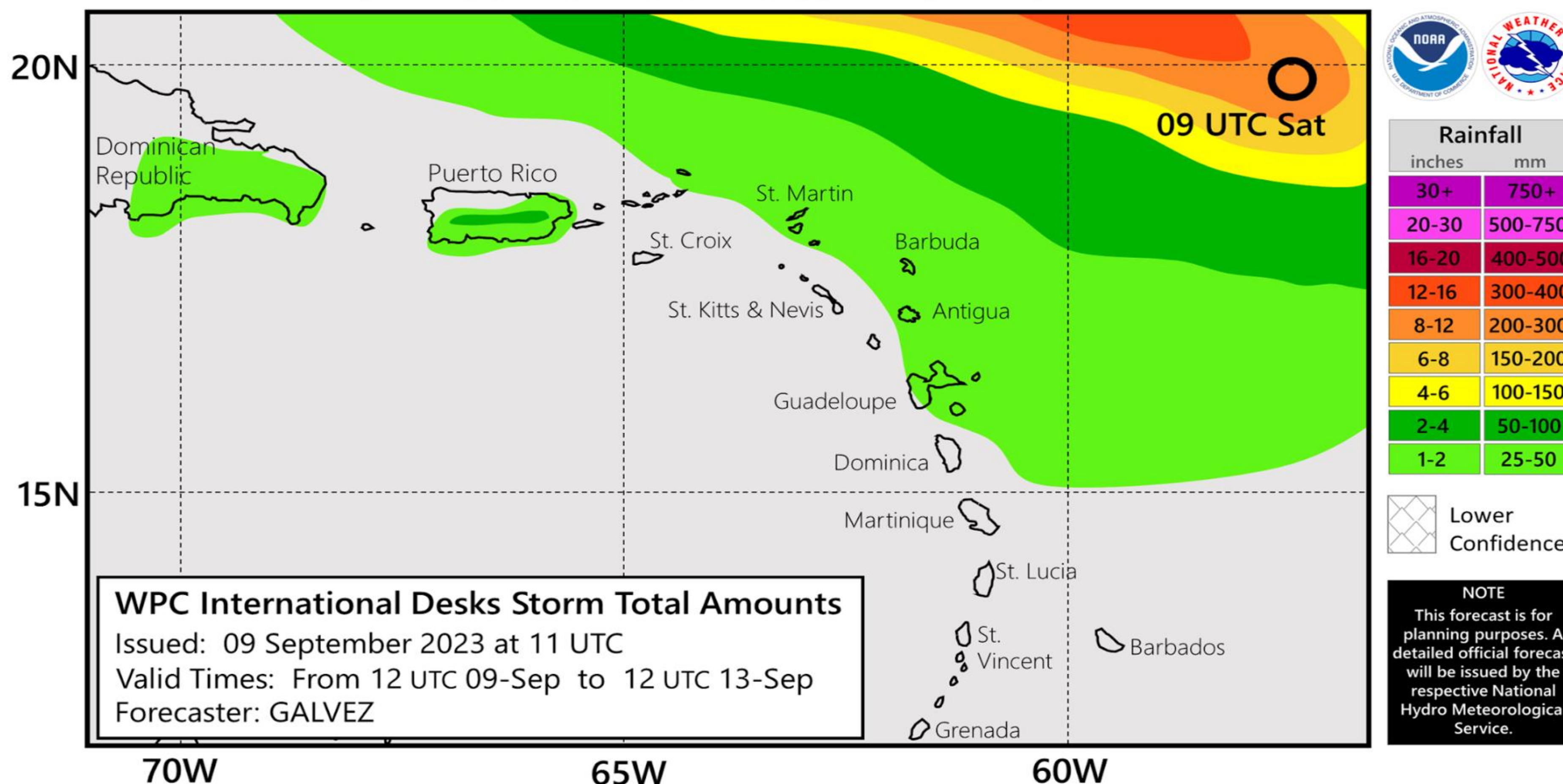
Hurricane Lee

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Lee Total Rainfall



■ Total rainfall expected through Tuesday morning

Key Messages

Hurricane Lee



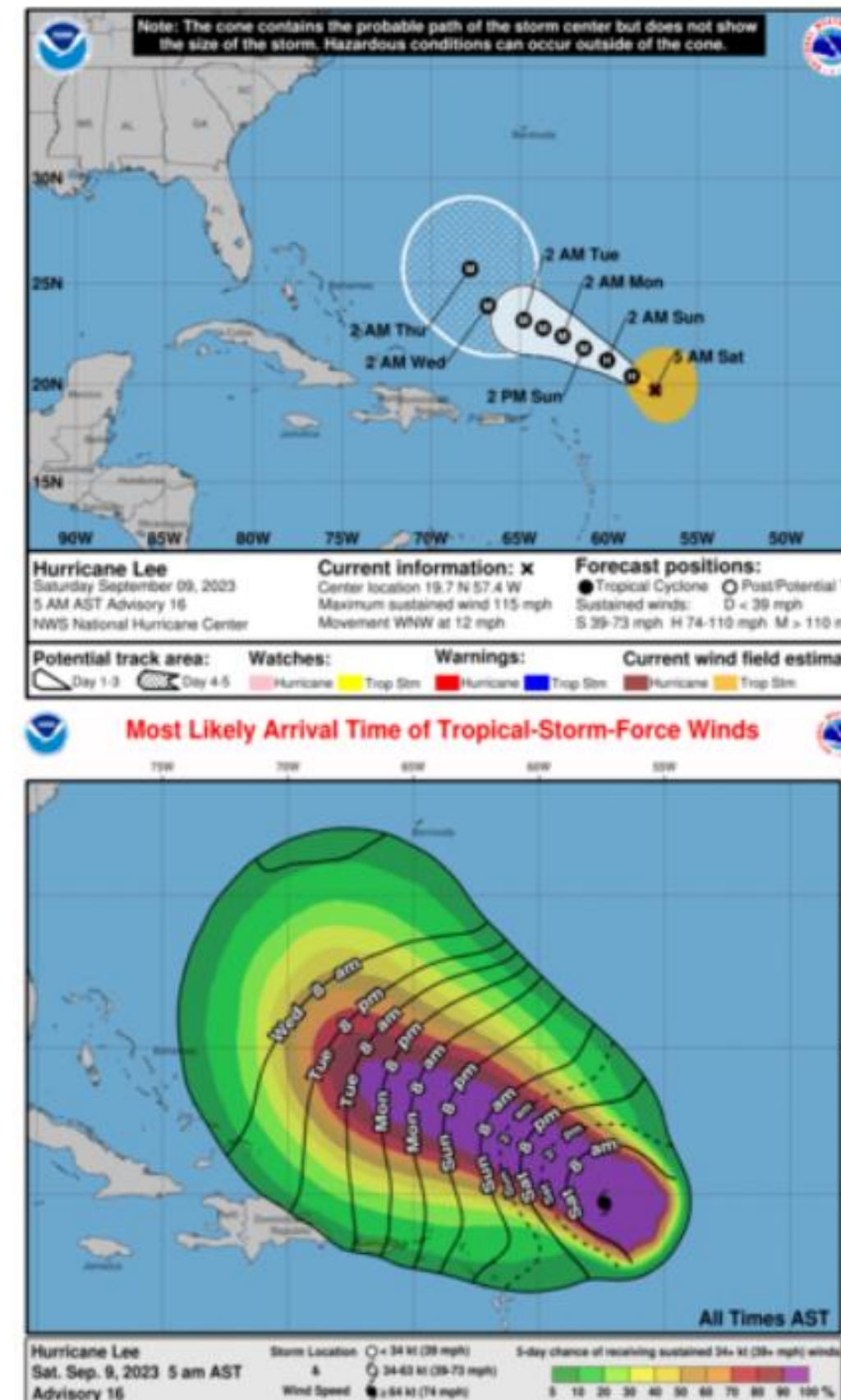
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NWS National Hurricane Center



Key Messages for Hurricane Lee Advisory 16: 5:00 AM AST Sat Sep 09, 2023



1. Lee's core is expected to move well north of the northern Leeward Islands, the Virgin Islands, and Puerto Rico this weekend and early next week.
2. Dangerous surf and life-threatening rip currents are affecting portions of the northern Leeward Islands. These conditions will spread westward and northward, affecting Puerto Rico, Hispaniola, the Turks and Caicos, the Bahamas, and Bermuda through the weekend.
3. It is way 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, particularly 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 Sunday and Monday. Continue to monitor updates to Lee's forecast during the next several days.



For more information go to hurricanes.gov

IMPACTS FOR **D7** (through next 5 days)

Winds – Moderate

Storm Surge – None

Rainfall/Flash Flooding – Low

Tornadoes – None

Waves - Extreme



HURRICANE LEE BRIEFING

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

*The Next Briefing Will Be:
Sunday 9:00 AM EDT*

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



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