

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

Winds – Low

Storm Surge – Low

Rainfall/Flash Flooding – Low

Tornadoes – None

Waves - Medium

HURRICANE BERYL BRIEFING



8:30 AM EDT

Wednesday, July 3, 2024

Prepared by:

Wallace Hogsett

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

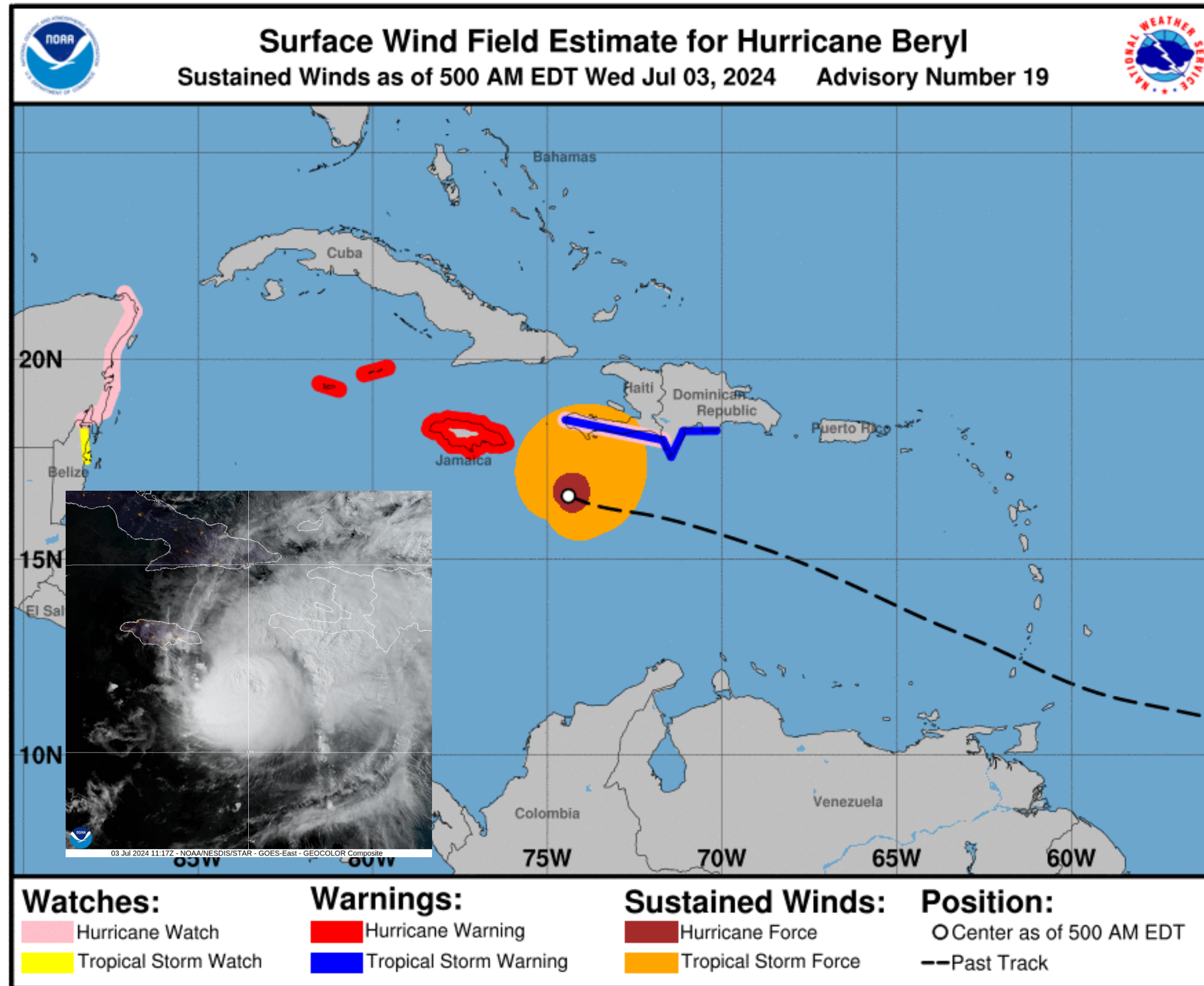


Situation Overview

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



**...CORE OF DANGEROUS HURRICANE BERYL EXPECTED TO IMPACT JAMAICA MIDDAY BRINGING LIFE-THREATENING WINDS AND STORM SURGE...
...EXPECTED TO APPROACH THE CAYMAN ISLANDS TONIGHT INTO THURSDAY...**

Summary of 500 AM EDT...0900 UTC

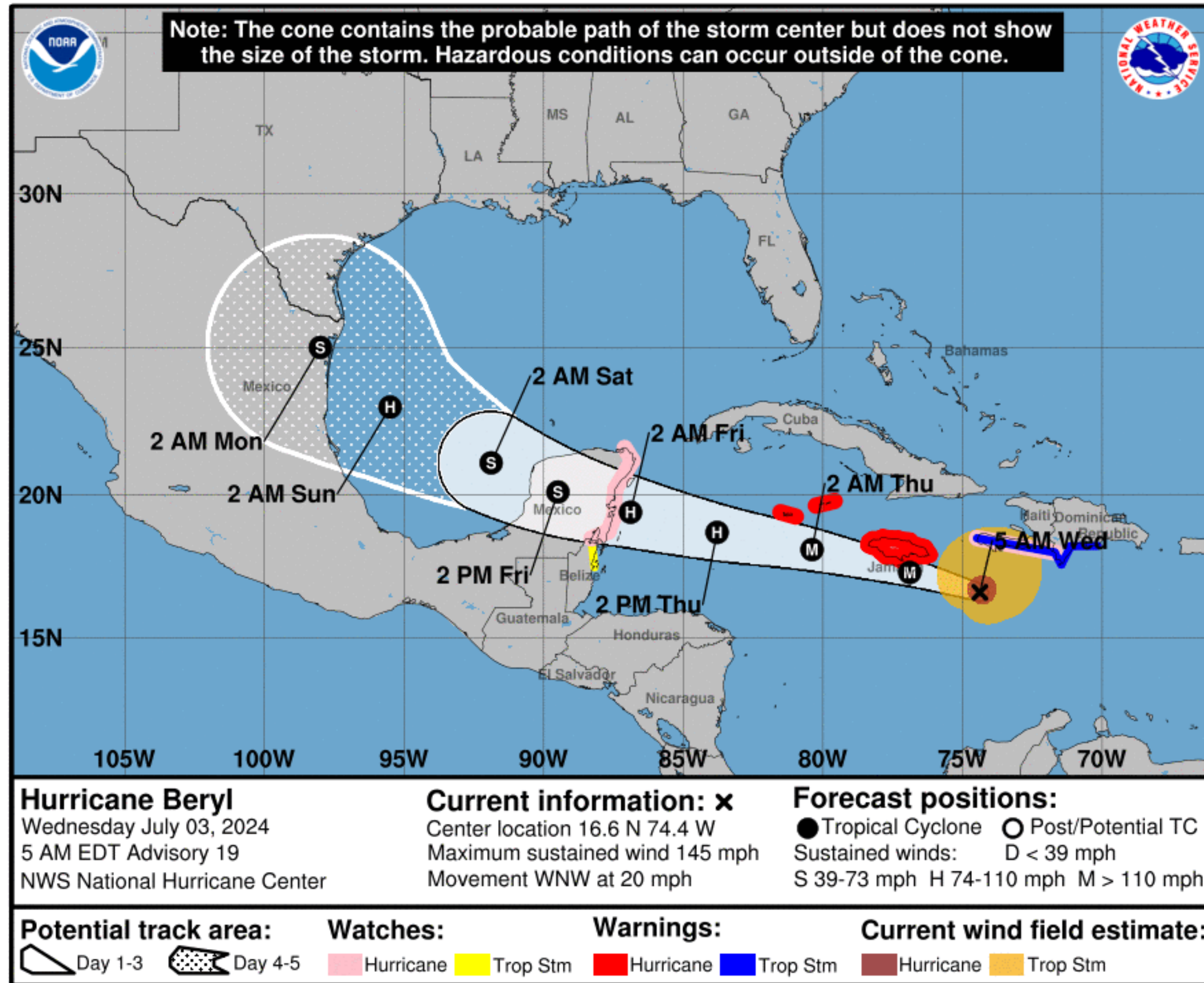
LOCATION...16.6N 74.4W
ABOUT 160 NMI ESE OF KINGSTON JAMAICA
ABOUT 420 NMI ESE OF GRAND CAYMAN
MAXIMUM SUSTAINED WINDS...125 KT
PRESENT MOVEMENT...WNW OR 285 DEGREES
AT 17 KT
MINIMUM CENTRAL PRESSURE...946 MB...27.94 INCHES

Forecast Information

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- Beryl is forecast to remain a dangerous hurricane as it approaches the Yucatan and weakens slightly
- During the next 5 days, impacted areas will likely include Jamaica, Cayman Islands, Yucatan Peninsula, and areas in the Western Gulf of Mexico
- Forecast uncertainty is high for both the track and intensity forecast, particularly after Beryl passes the Yucatan

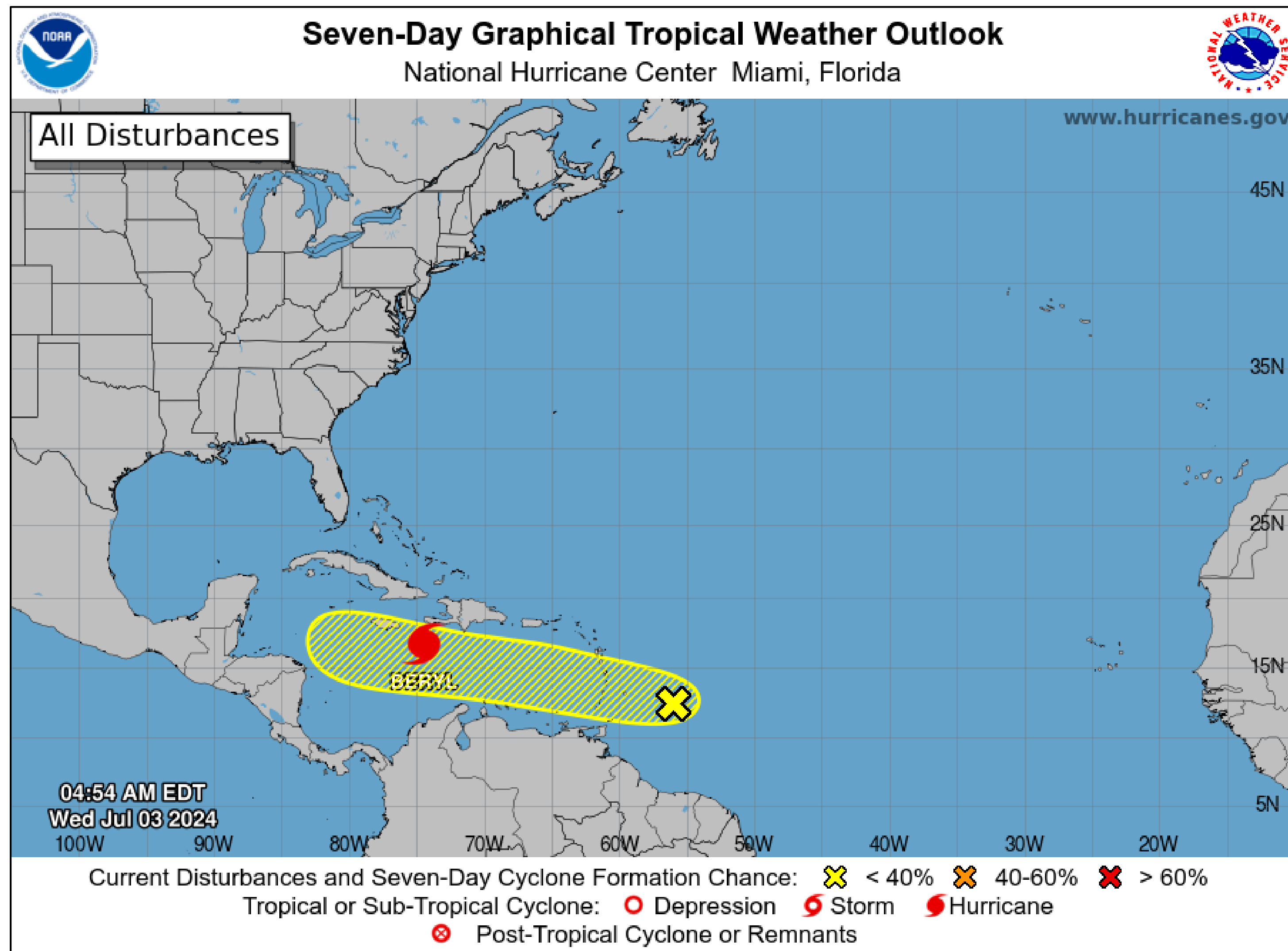
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Tropical Weather Outlook

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



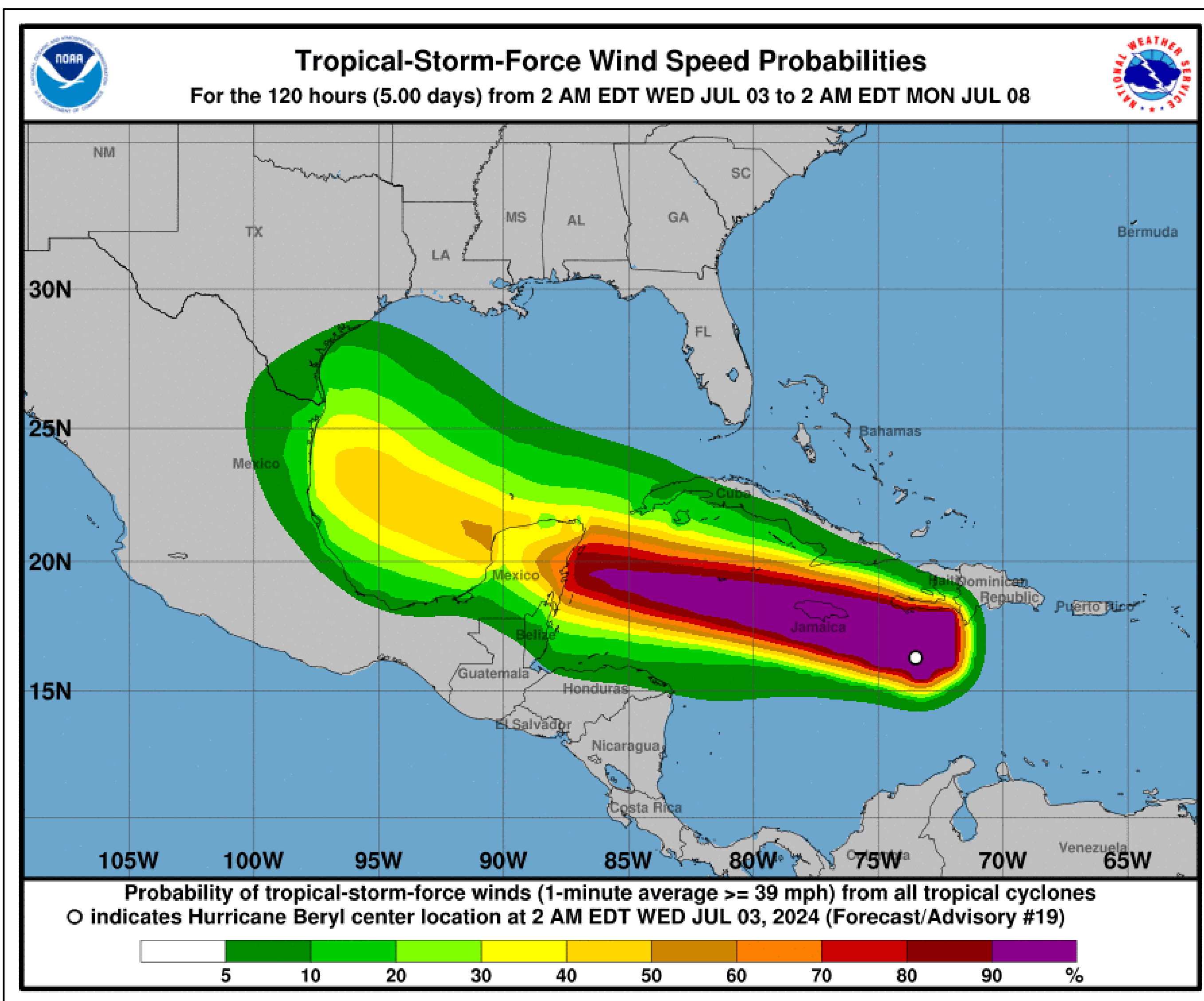
- The tropical wave east of Beryl has a 20% chance of formation during the next 7 days
- Any development should be slow to occur
- **Reminder:** The hatched area represents a possible development area, not the system's path after development occurs.

T.S. Wind Speed Probabilities

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



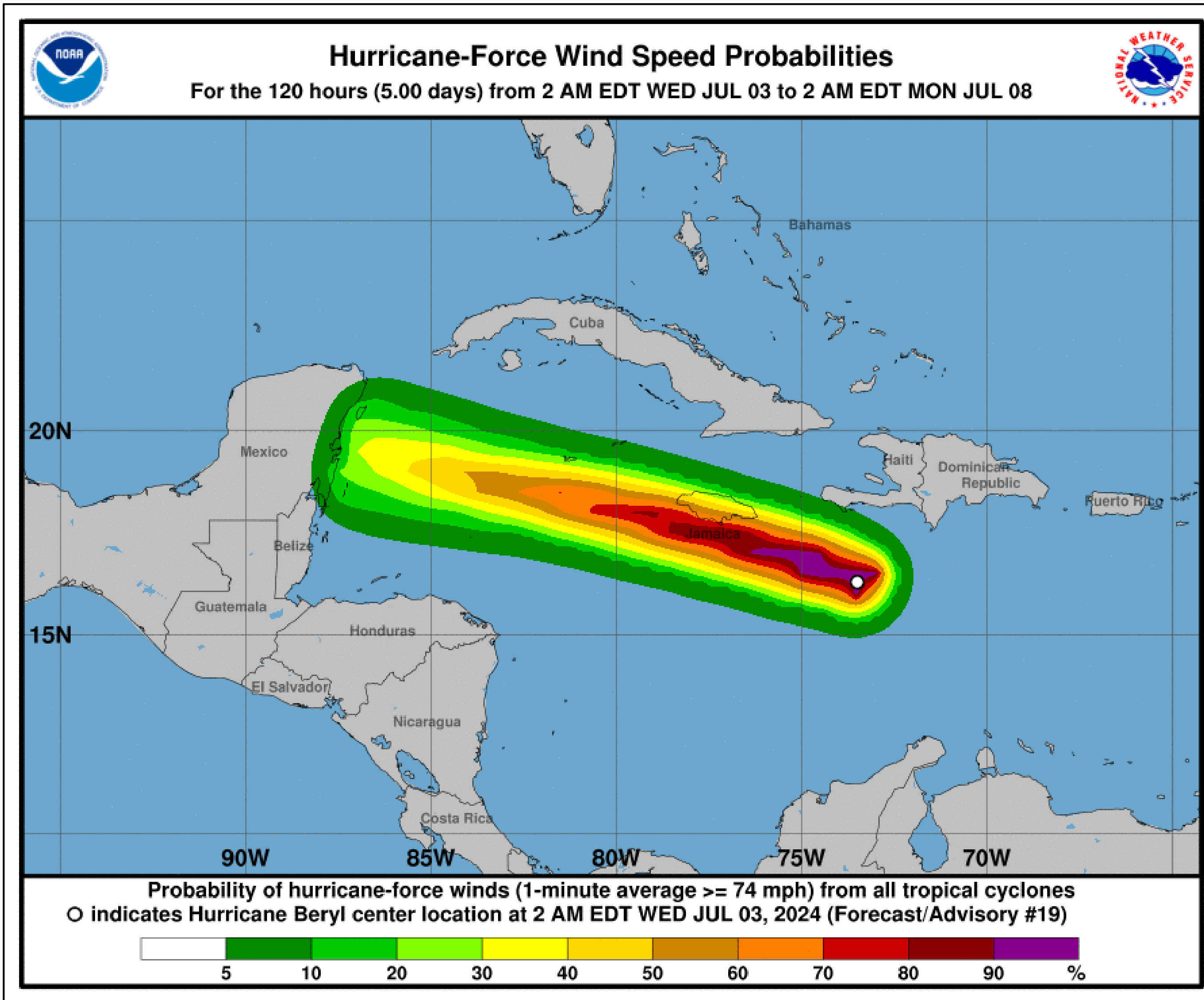
- Wind impacts are expected primarily south of D7 areas
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- See the color bar below the image for more details.

Hurricane Wind Speed Probabilities



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

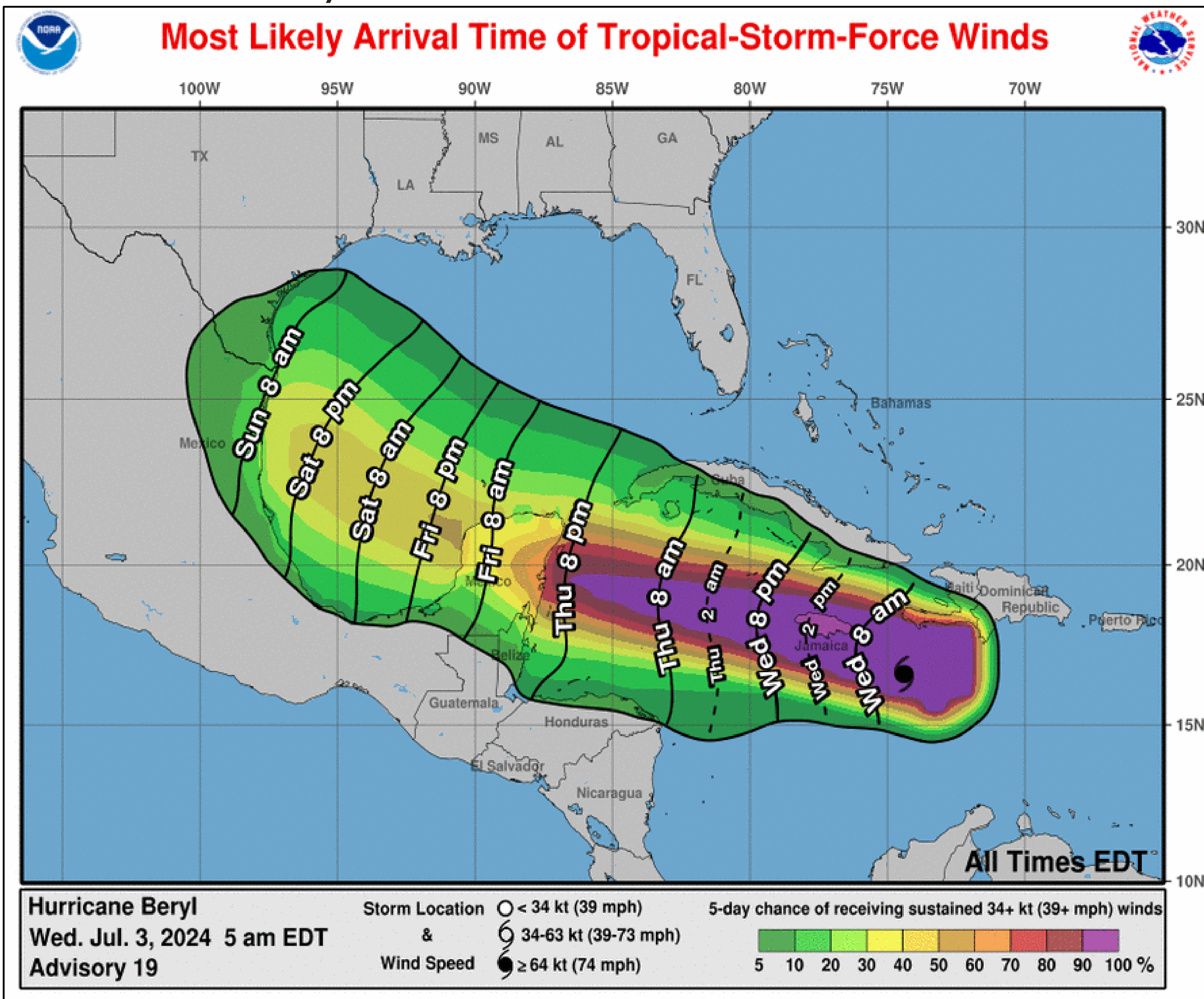
Hurricane Beryl



- Hurricane force wind risk is highest in Jamaica and possible tomorrow and Friday in the Cayman Islands and the Yucatan Peninsula
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- See the color bar below the image for more details.



Hurricane Beryl



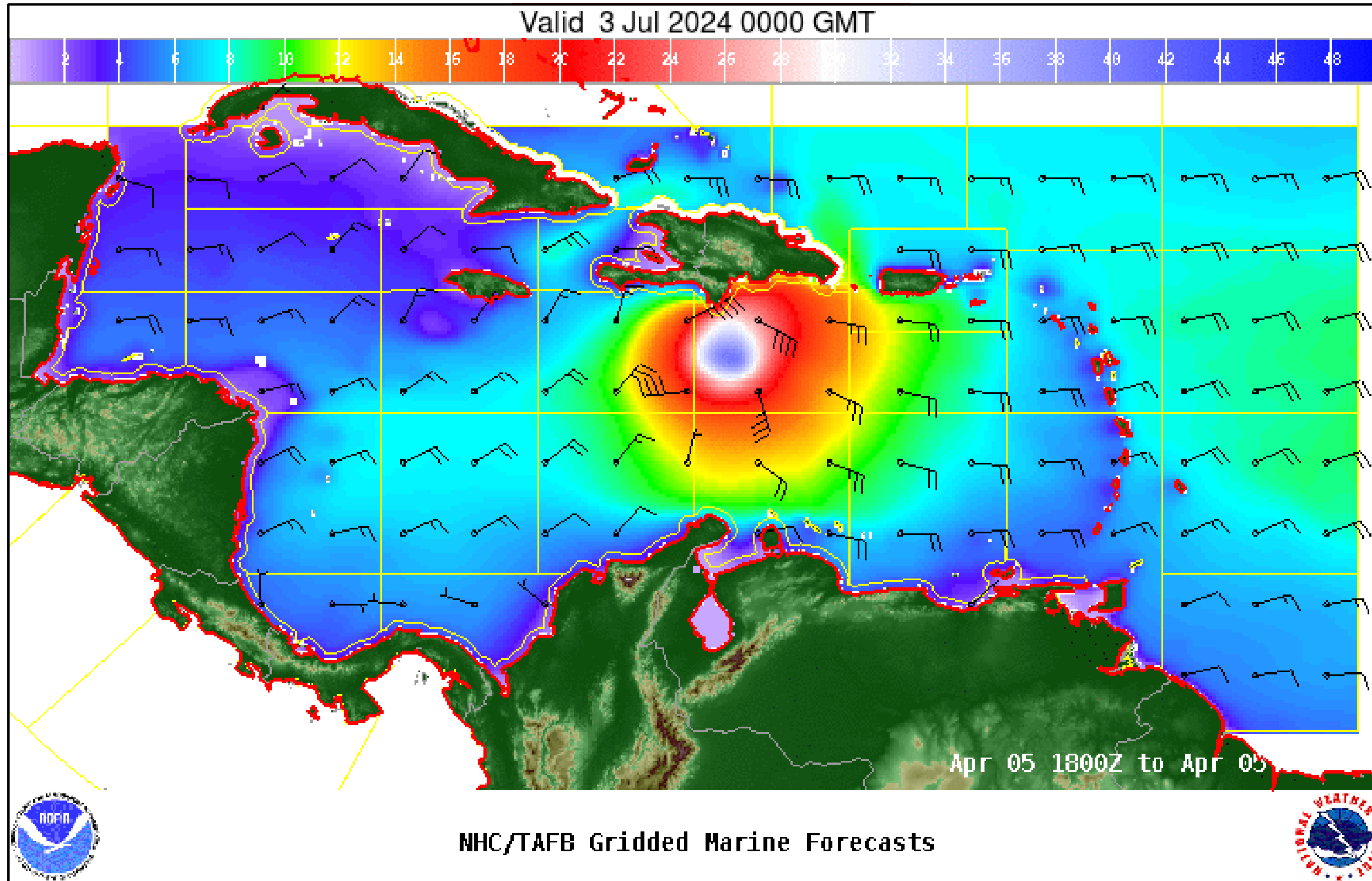
- Tropical storm force winds are expected to reach Jamaica today and the Cayman Islands tonight and tomorrow
- Wind impacts in the Yucatan expected to begin late on Thursday
- Timing and likelihood of impacts is more uncertain after Beryl emerges into the Gulf of Mexico late this week and this weekend
- 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.
- See the color bar below the image for more details.

Wind And Waves

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Current Conditions
Wednesday Morning
Peak Winds: 125 kt
Peak Seas: ~35 ft

Some residual seas of >10 ft are possible in D7 areas

Significant ESE Swells expected for Cuba, Jamaica and the Yucatan

- Wave heights are in feet



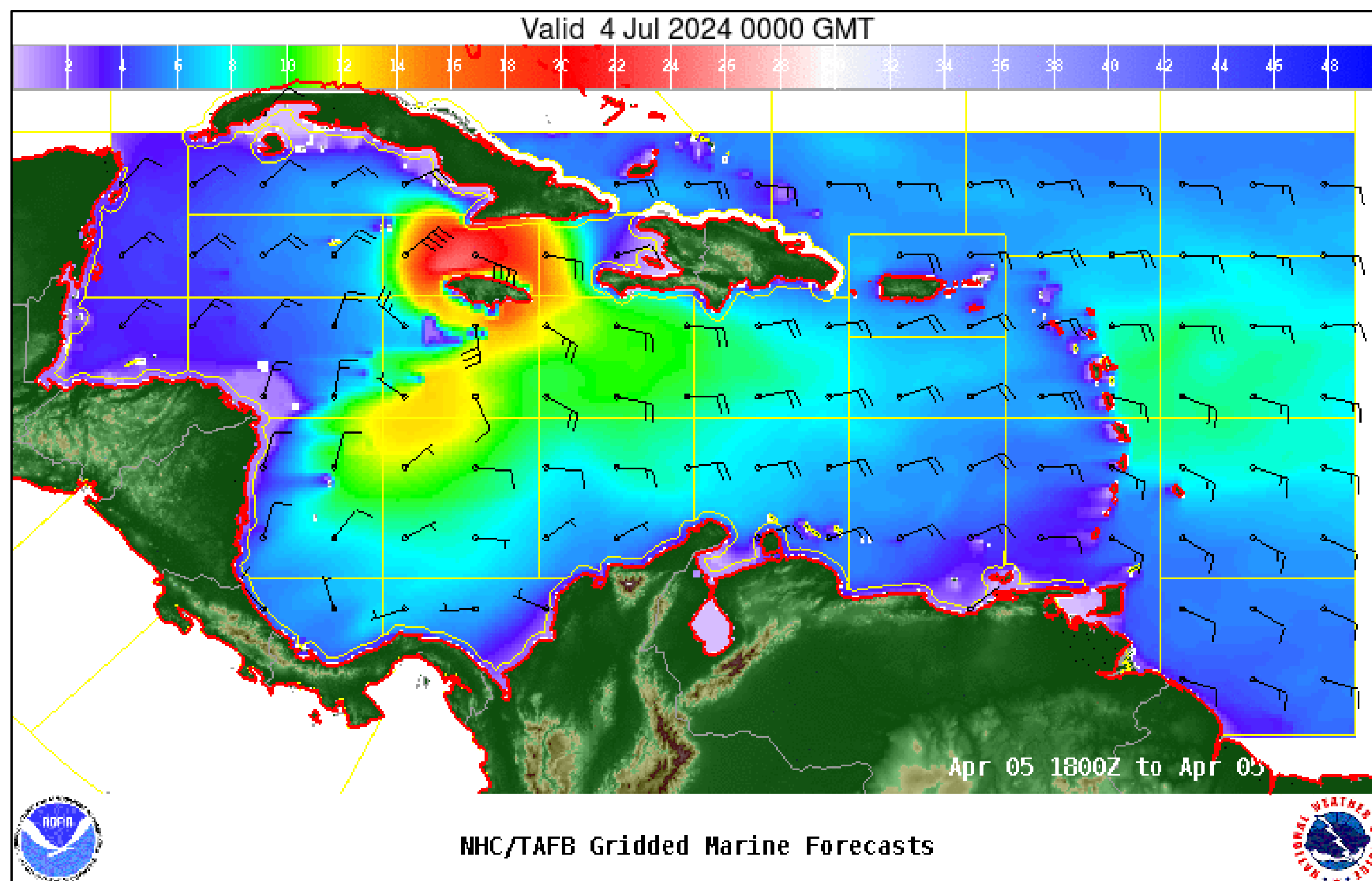
Significant Wave Height (ft)

Wind And Waves

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



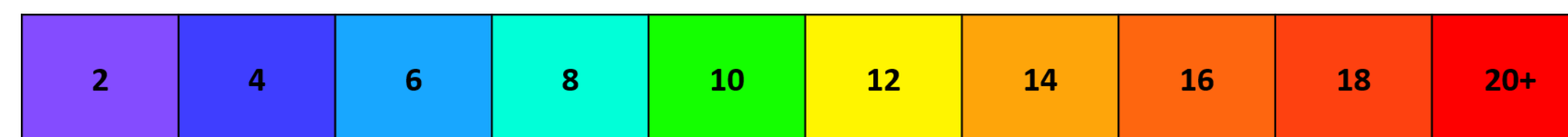
24 Hour Forecast

Thursday Morning

Peak Winds: 100 kt

Peak Seas: ~30 ft

Wave heights are in feet



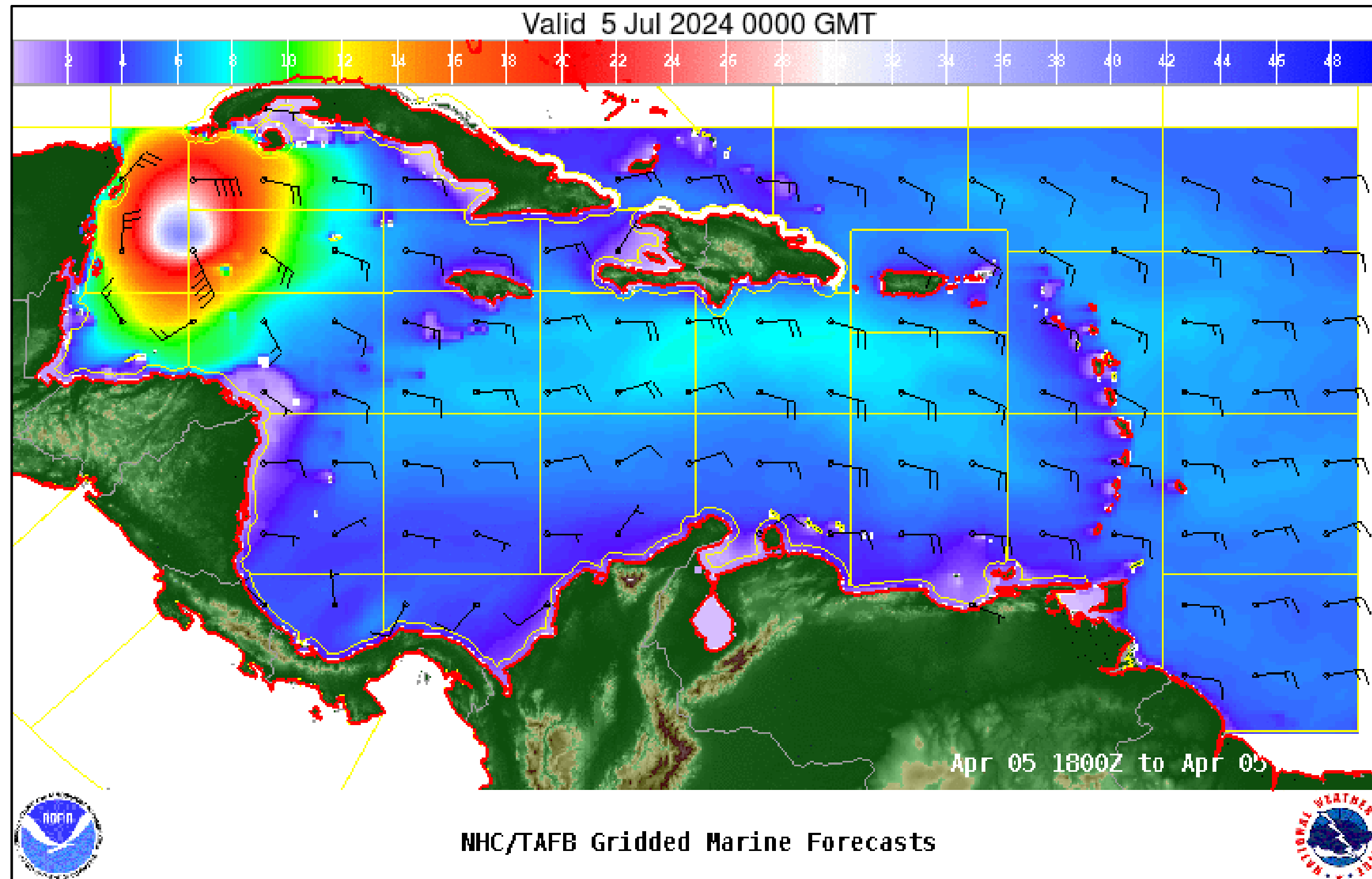
Significant Wave Height (ft)

Wind And Waves

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



48 Hour Forecast

Friday Morning

Peak Winds: 85 kt

Peak Seas: ~35 ft

- Wave heights are in feet



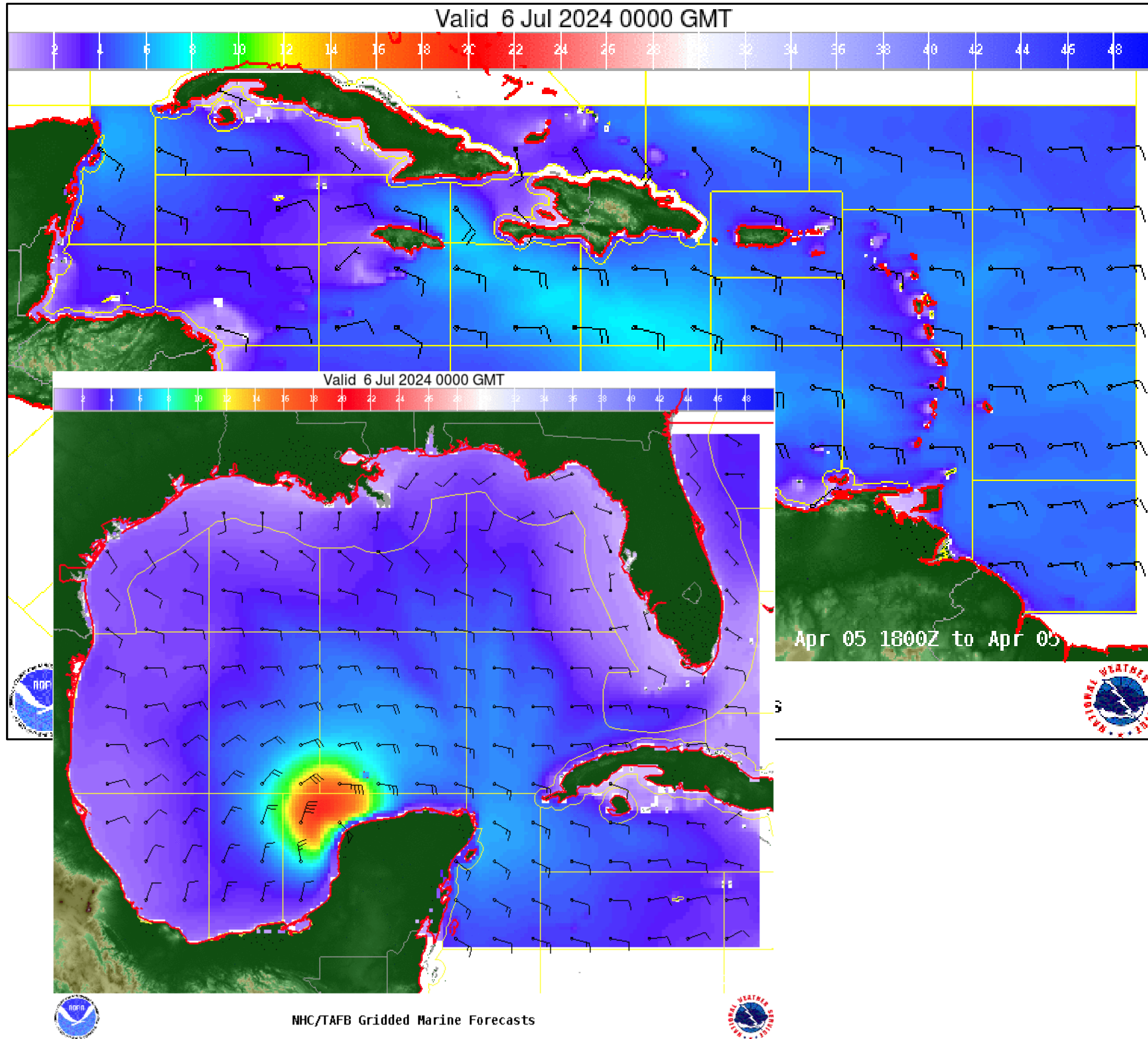
Significant Wave Height (ft)

Wind And Waves

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



72 Hour Forecast
Saturday Morning
Peak Winds: 55 kt
Peak Seas: ~25 ft

■ Wave heights are in feet



Significant Wave Height (ft)

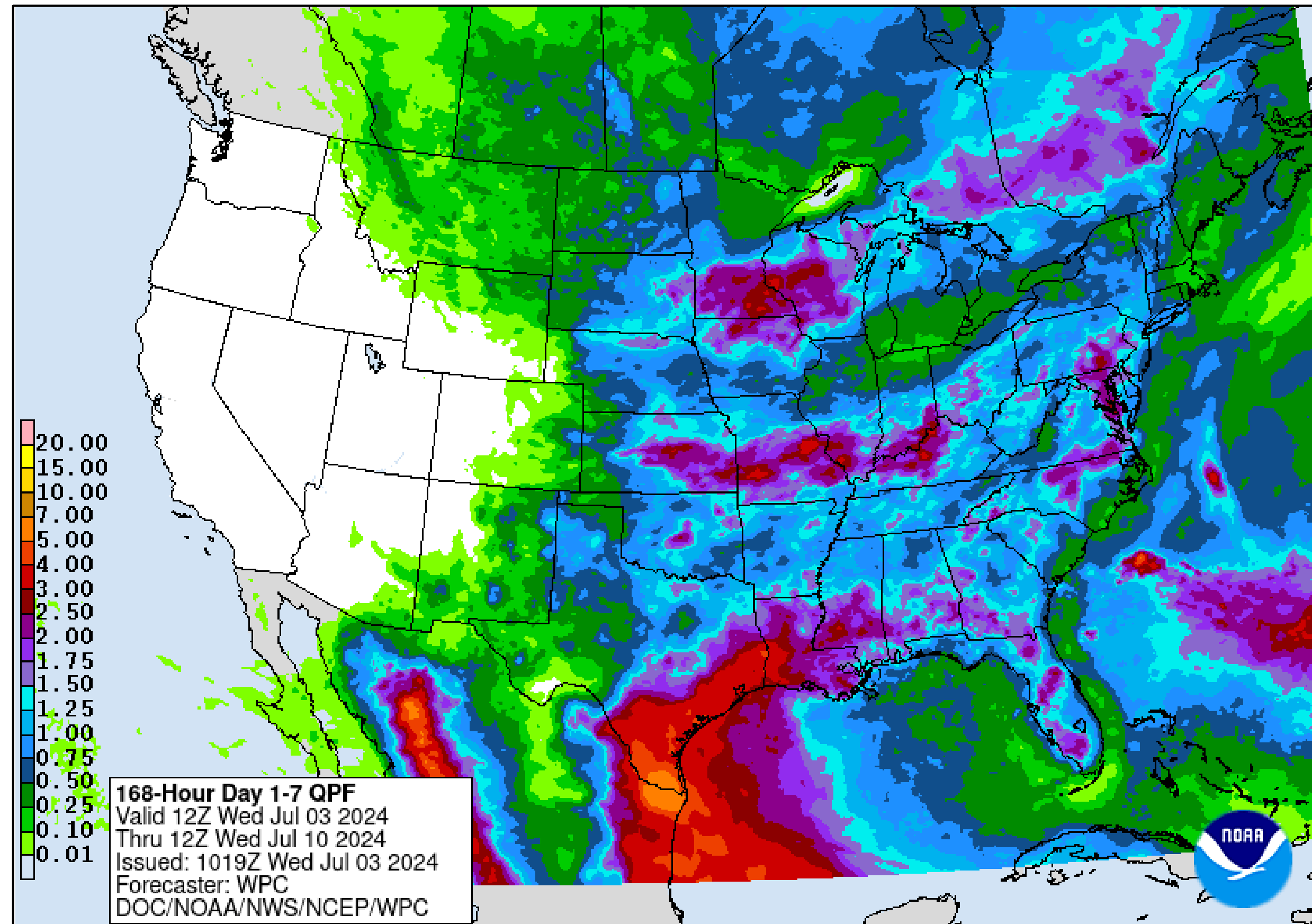
Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Beryl

Images from NWS Weather Prediction Center



Risk of rainfall exceeding flash flood guidance within 25 miles of a point

HIGH: > 50%

SLGT: 10%-20%

MDT: 20%-50%

MRGL: 5%-10%

Refer to map legend for Valid Time

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

Winds – Low

Storm Surge – Low

Rainfall/Flash Flooding – Low

Tornadoes – None

Waves - Medium



HURRICANE BERYL 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



NHC_TAFB

www.nhc.noaa.gov