

IMPACTS FOR D7 (through next 5 days)

Winds – Extreme

Storm Surge – Extreme

Rainfall/Flash Flooding – High

Tornadoes – None

Waves - Extreme

HURRICANE BERYL BRIEFING



8:30 AM EDT
Monday, July 1, 2024

Prepared by:

Eric Christensen

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

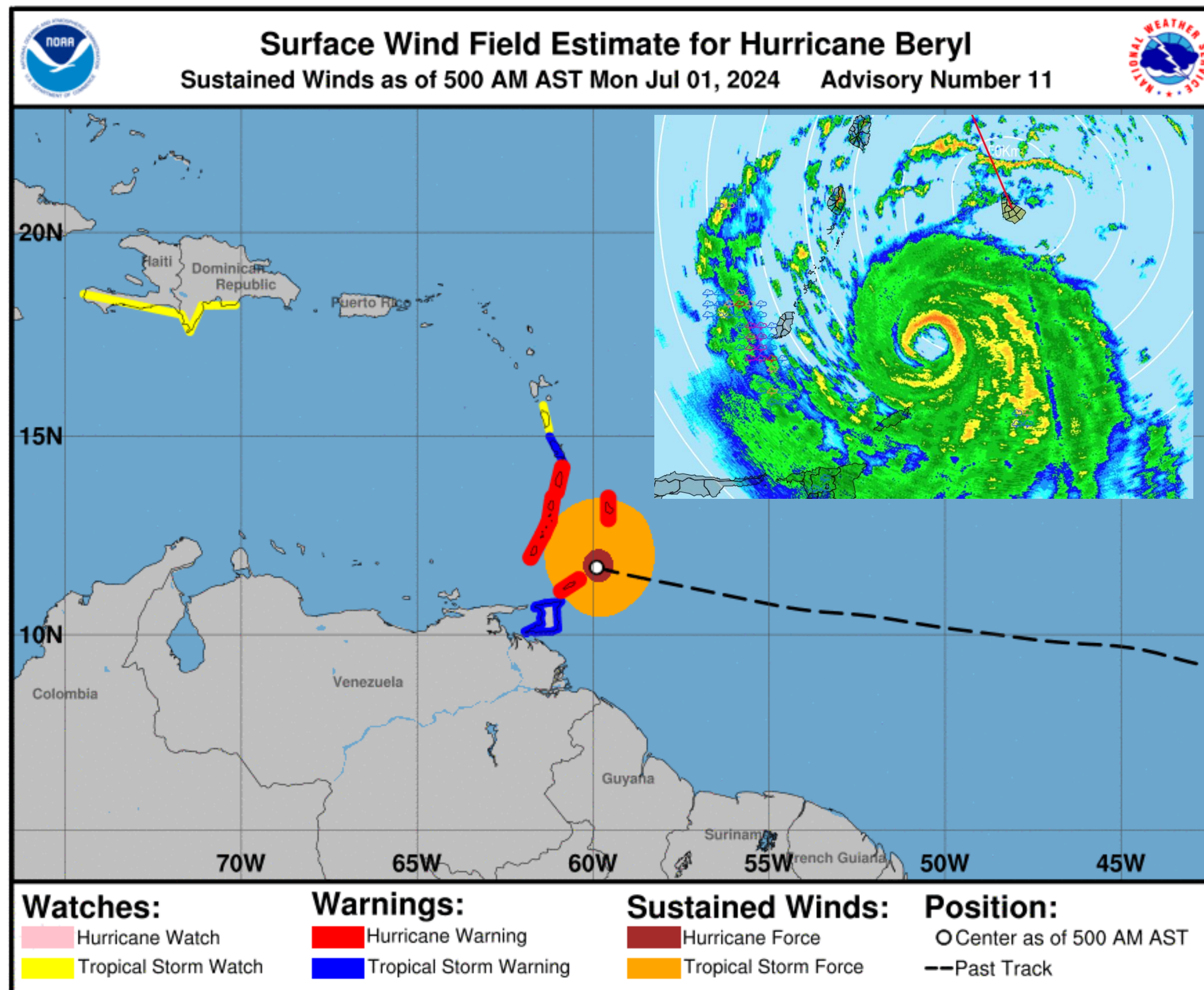
www.nhc.noaa.gov

Situation Overview

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...BERYL TAKING AIM AT THE WINDWARD ISLANDS...

...LIFE-THREATENING WINDS AND STORM SURGE THIS MORNING...

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

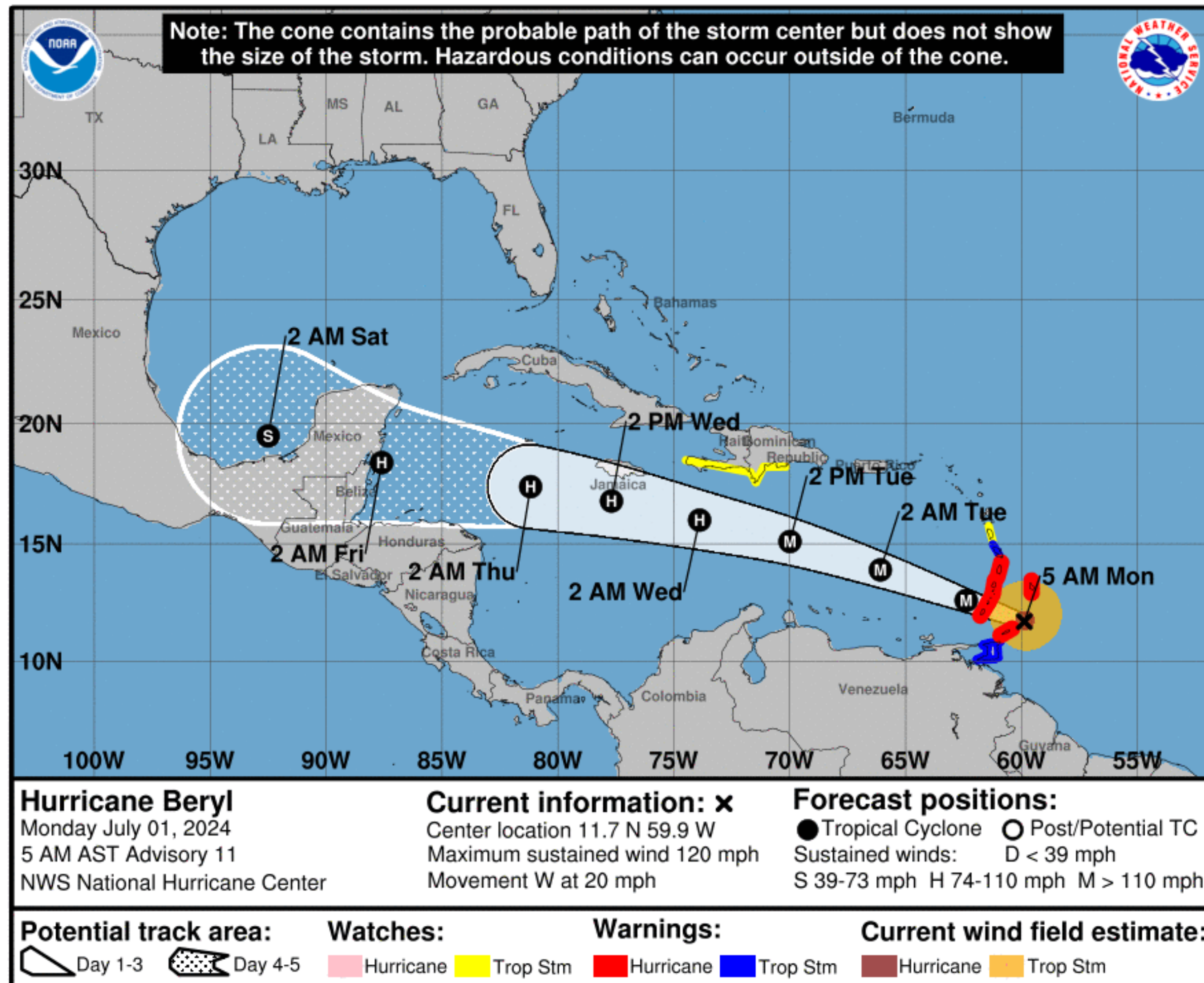
LOCATION...11.7N 59.9W
ABOUT 110 NM ESE OF GRENADA
ABOUT 120 NM SE OF ST.VINCENT
MAXIMUM SUSTAINED WINDS...105 KT
PRESENT MOVEMENT...W OR 280 DEGREES AT 16 KT
MINIMUM CENTRAL PRESSURE...965 MB...28.50 INCHES

Forecast Information

Hurricane Beryl



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NWS National Hurricane Center



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

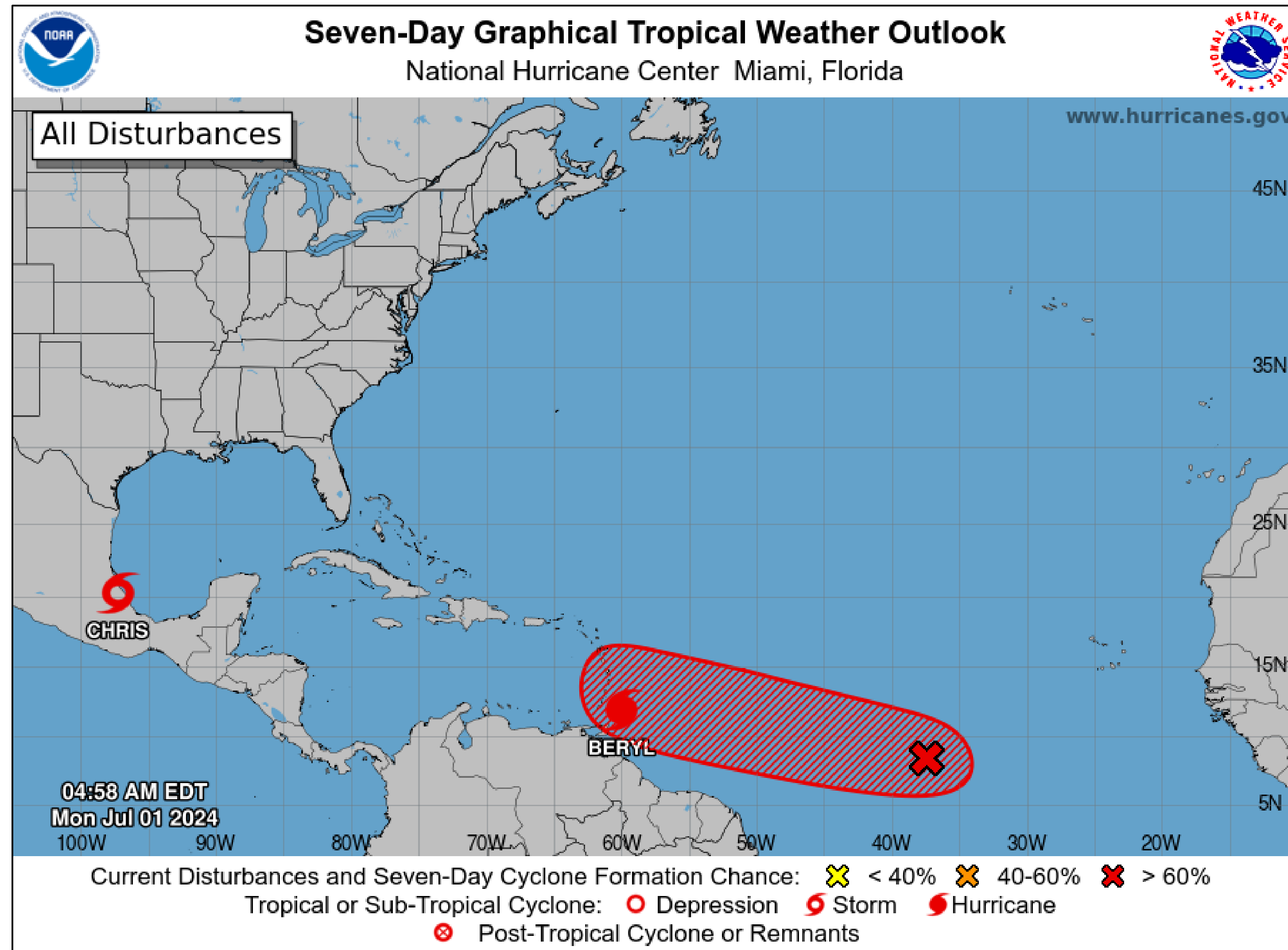
- Beryl is the earliest a hurricane of this magnitude has formed in the Atlantic basin
- Beryl will remain a major hurricane through late Tuesday as it moves across the eastern Caribbean
- Some weakening is expected Wednesday through Thursday as Beryl moves across the central and northwest Caribbean
- But Beryl will remain a dangerous storm, probably impacting Jamaica, and Grand Cayman, as well as the southern coast of Hispaniola

Tropical Weather Outlook

Hurricane Beryl



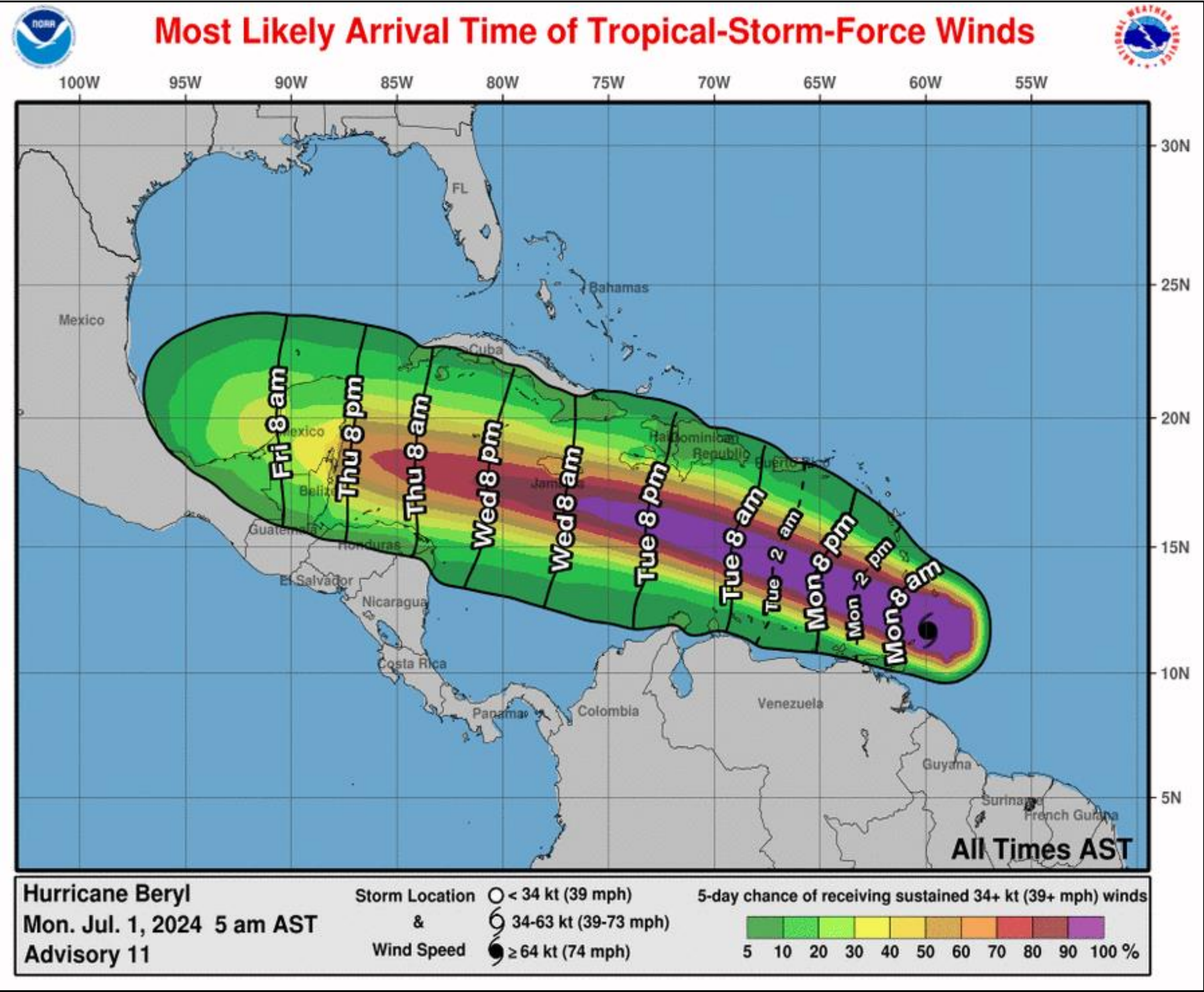
Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- Invest 96L: A tropical depression is likely to form by the middle part of this week while it moves generally westward at 15 knots across the central and western tropical Atlantic.
- **Reminder:** The hatched area represents a possible development area, not the system's path after development occurs.



Hurricane Beryl



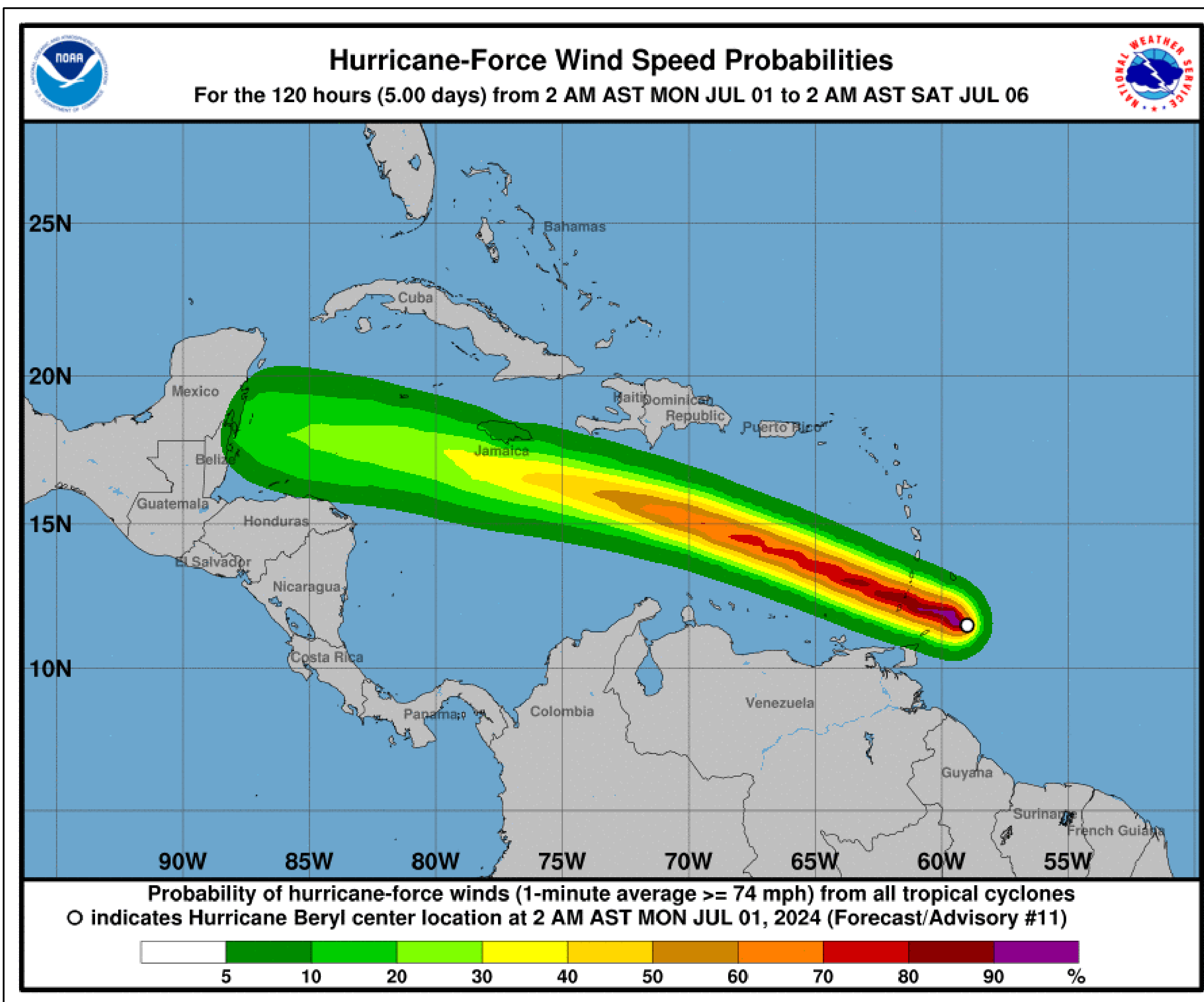
- Low chances of sustained tropical storm force winds across Puerto Rico and the USVI
- However, occasional squalls tonight into Tuesday may bring brief heavy downpours and damaging winds for Puerto Rico and the USVI
 - Possible localized road closures, power/telecom impacts
- Small craft advisories in effect for Puerto Rico and USVI. Swell may
- Looking ahead, main impacts will likely be over southern Hispaniola, Jamaica, and Grand Cayman through mid week, and Belize, Yucatan by late week

Hurricane Wind Speed Probabilities

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



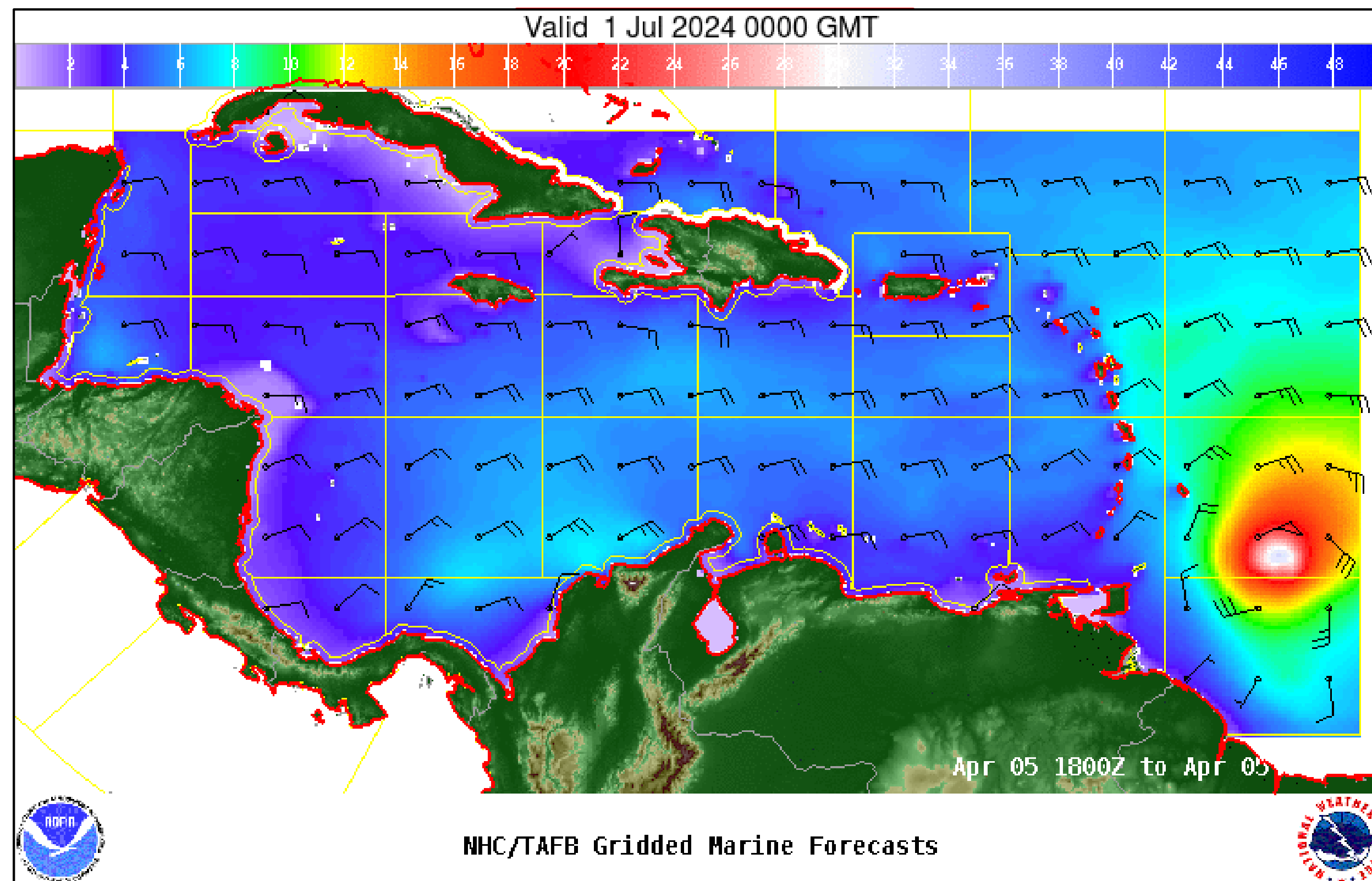
- **DELETE THESE BULLETS AND CREATE YOUR OWN**
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Current Conditions

Monday morning

Peak Winds: 105 kt

Peak Seas: 38 ft

- Wave heights are in feet



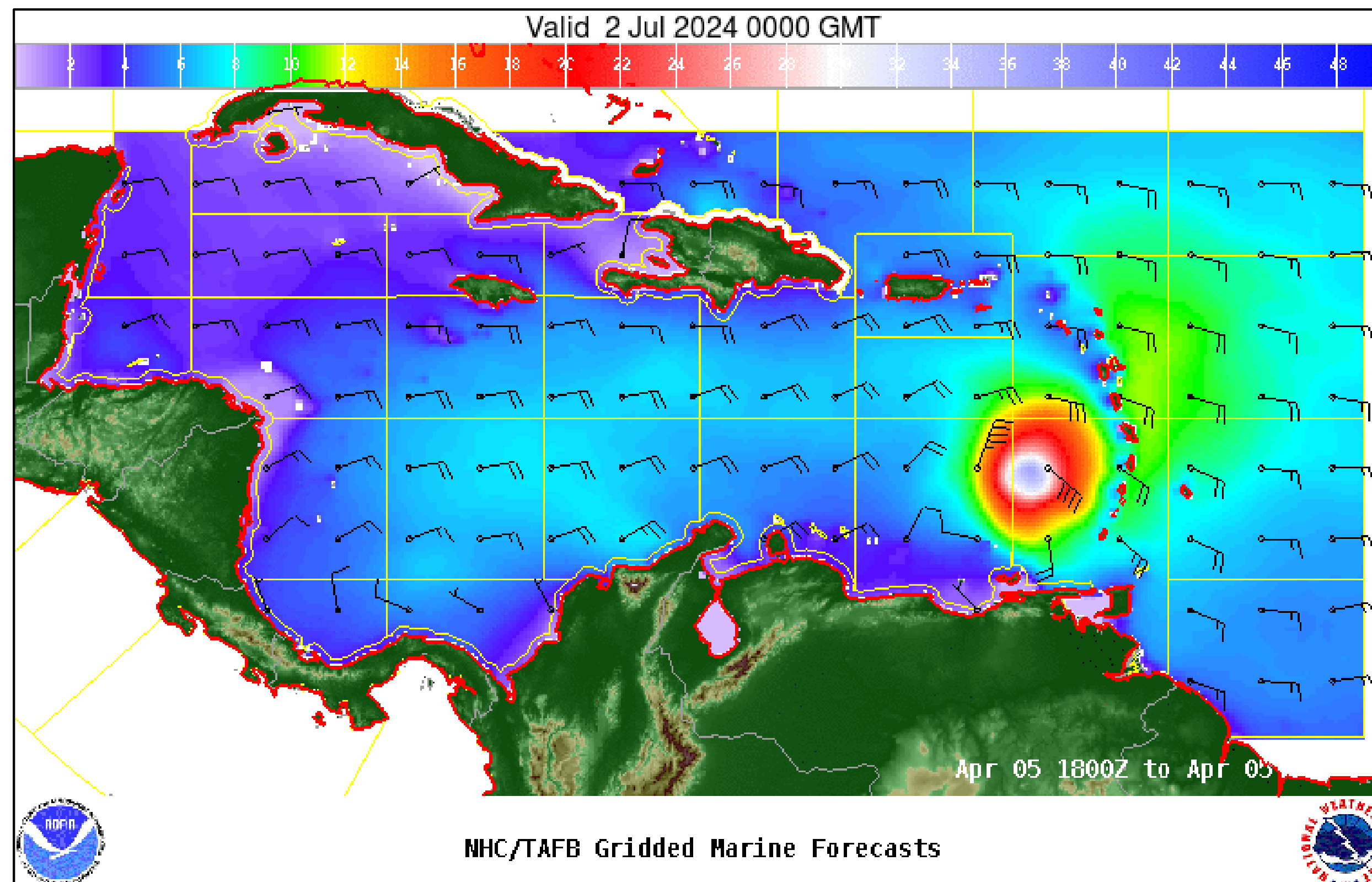
Significant Wave Height (ft)

Wind And Waves

Hurricane Beryl



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NWS National Hurricane Center



24 Hour Forecast

Tuesday morning

Peak Winds: 115 kt

Peak Seas: 40 ft

- Wave heights are in feet



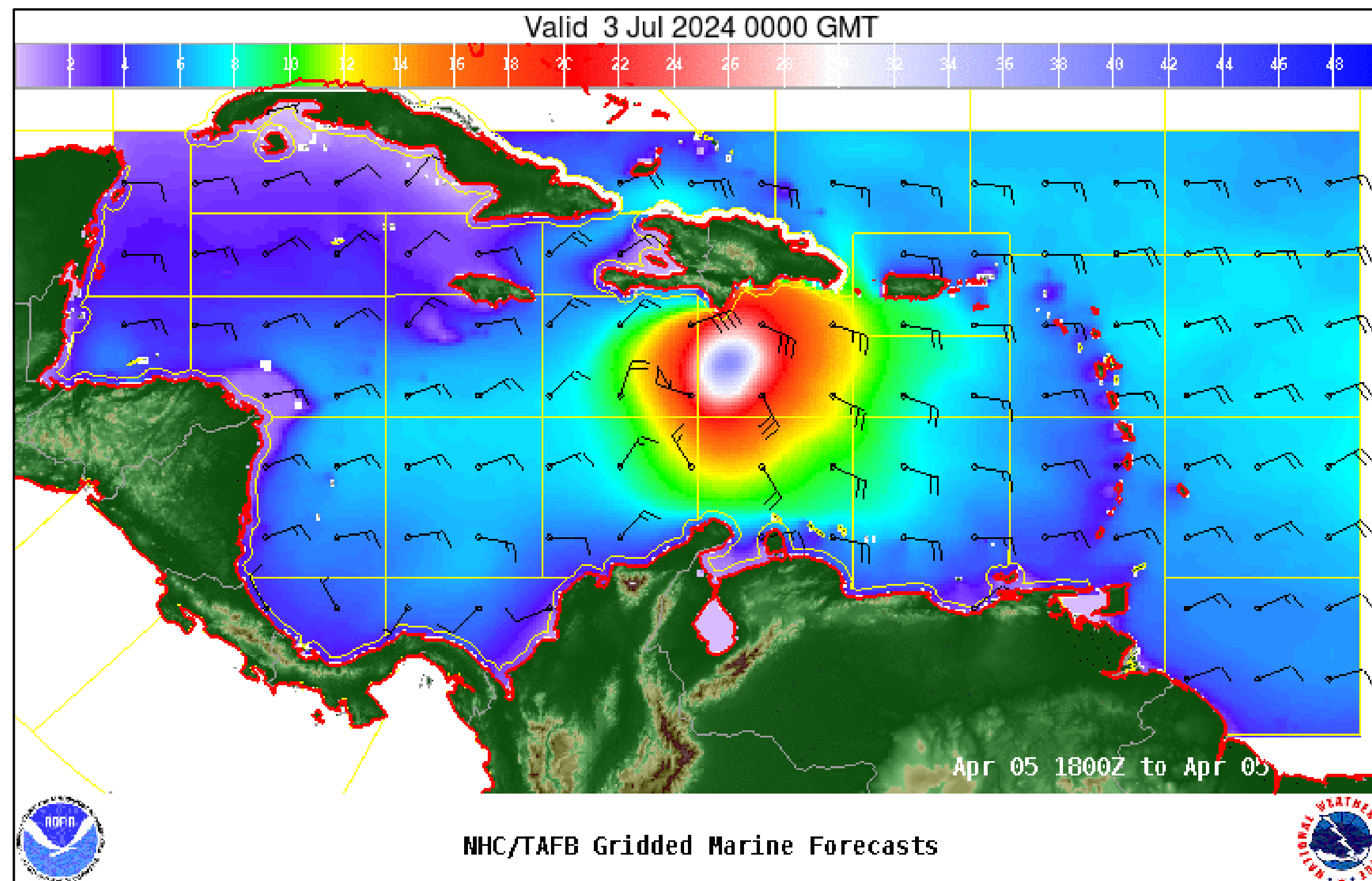
Significant Wave Height (ft)

Wind And Waves

Hurricane Beryl



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NWS National Hurricane Center



48 Hour Forecast

Wednesday morning

Peak Winds: 95 kt

Peak Seas: 42 ft

- Wave heights are in feet



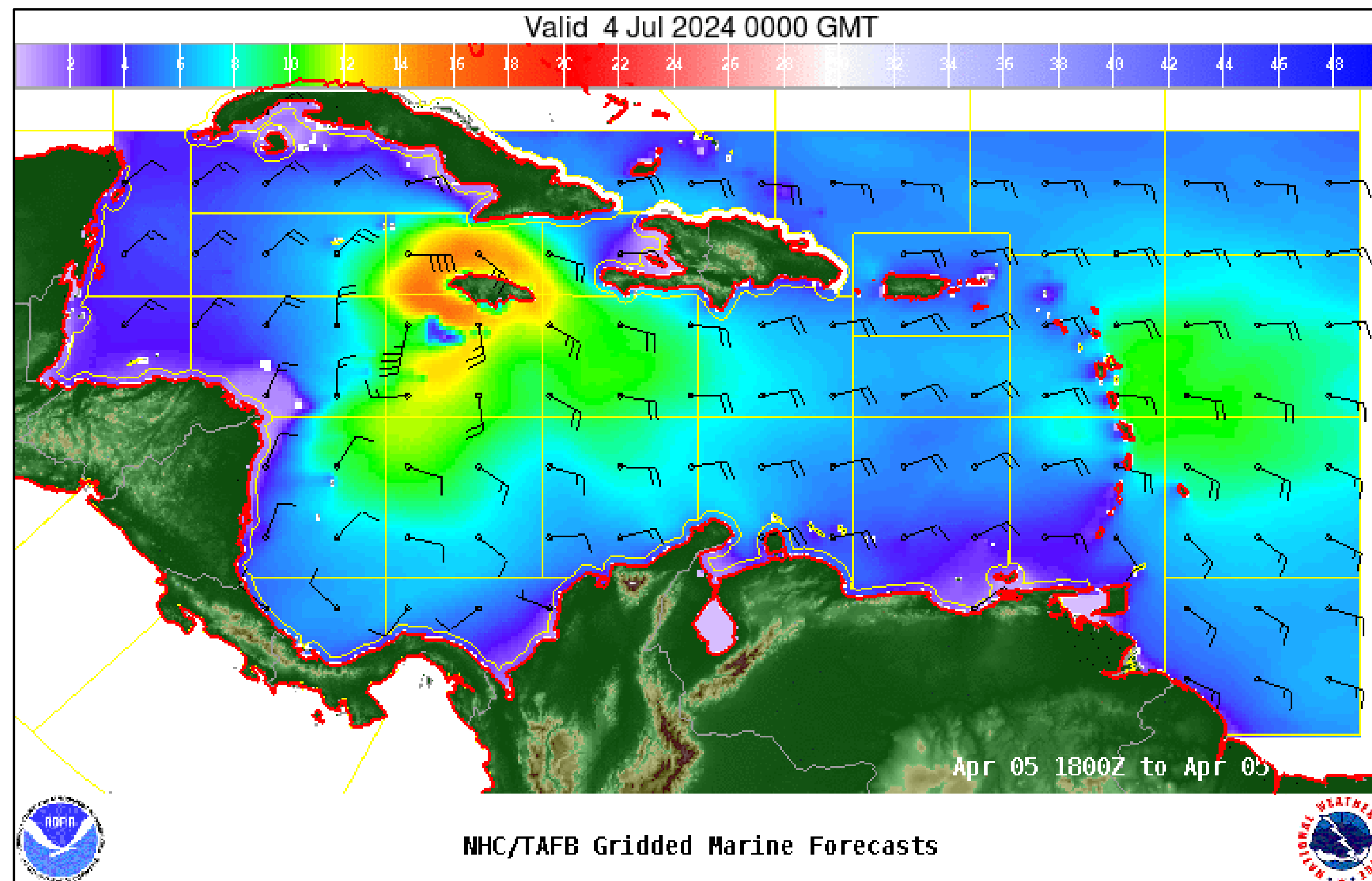
Significant Wave Height (ft)

Wind And Waves

Hurricane Beryl



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72 Hour Forecast

Thursday morning

Peak Winds: 85 kt

Peak Seas: 18 ft

- Wave heights are in feet



Significant Wave Height (ft)

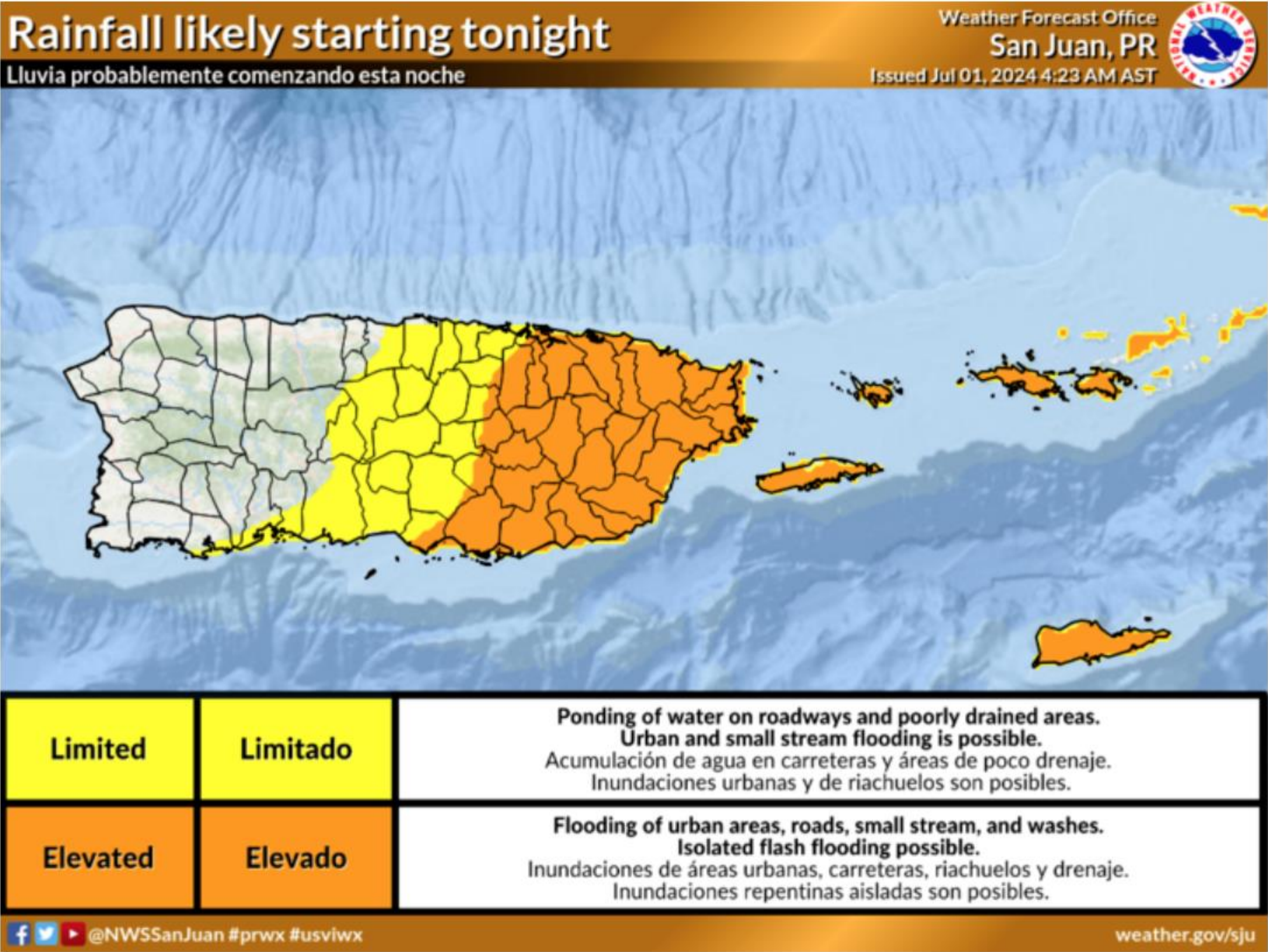
Expected Rainfall and Flooding

Hurricane Beryl

Images from NWS San Juan



Tropical Analysis and Forecast Branch
NWS National Hurricane Center




Key Messages

Hurricane Beryl



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Hurricane Beryl

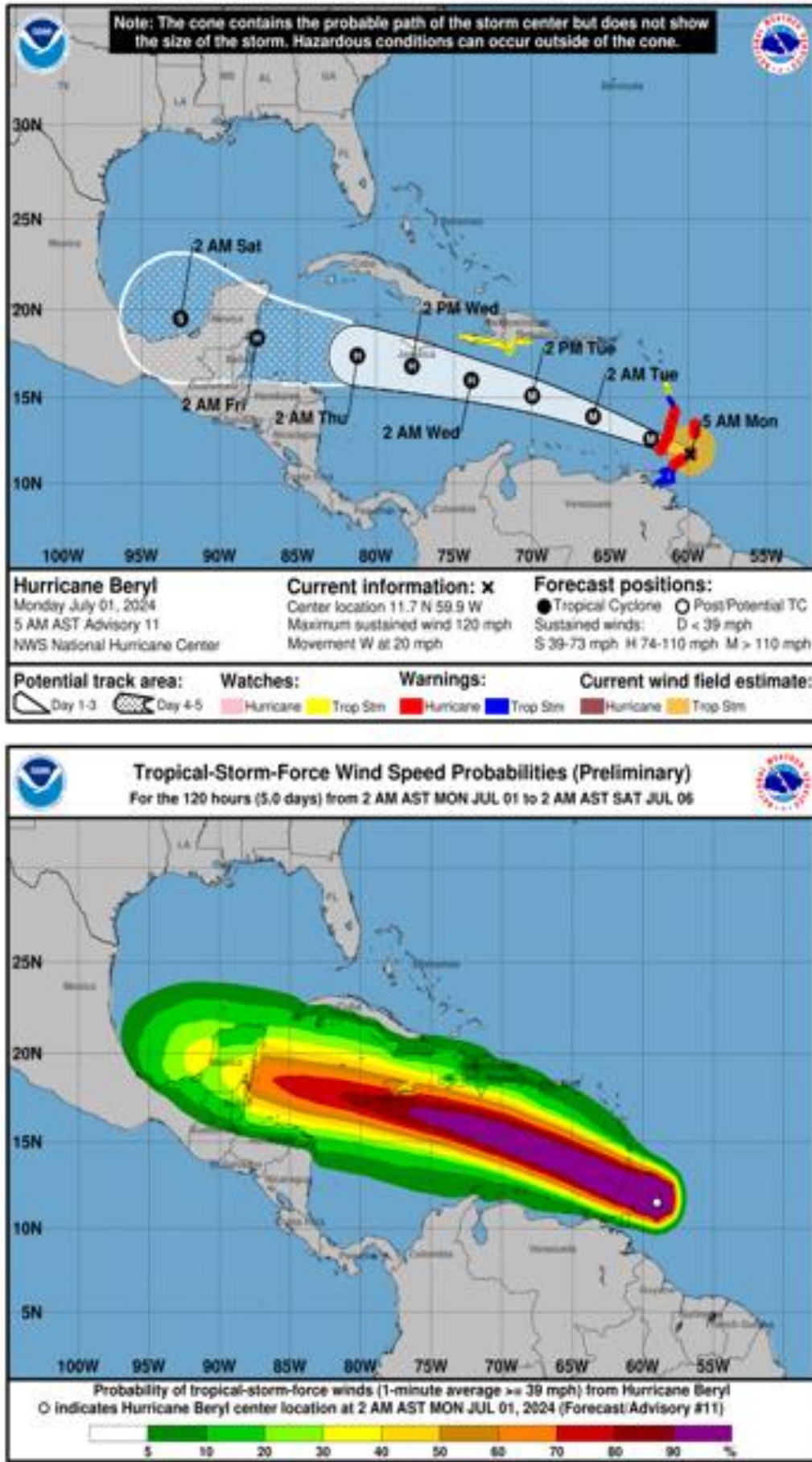
Advisory 11: 5:00 AM AST Mon Jul 01, 2024

1. Beryl is expected to remain an extremely dangerous major hurricane when it reaches the Windward Islands this morning. This is a very dangerous situation and residents in these areas should listen to local government and emergency management officials for any preparedness and/or evacuation orders.

2. Potentially catastrophic hurricane-force winds, a life-threatening storm surge, and damaging waves are expected when Beryl passes over portions of the Windward Islands with the highest risk of the core in St. Vincent and the Grenadines, and Grenada beginning later this morning. Hurricane Warnings are in effect for much of the Windward Islands.

3. Heavy rainfall and localized flooding are expected across the Windward Islands today.

4. Beryl is expected to remain a powerful hurricane as it moves across the Caribbean Sea later this week. A Tropical Storm Watch is in effect for portions of the southern coast of the Dominican Republic and Haiti. Interests elsewhere in Hispaniola, Jamaica, the Cayman Islands, and the remainder of the northwestern Caribbean should monitor its progress and additional Watches and Warnings will likely be required this week.



Hurricane Beryl
Monday July 01, 2024
5 AM AST Advisory 11
NWS National Hurricane Center

Current information: x
Center location 11.7 N 59.9 W
Maximum sustained wind 120 mph
Movement W at 20 mph

Forecast positions:
● Tropical Cyclone ○ Post-Potential TC
Sustained winds: D < 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 Str
Warnings: Hurricane Trop Str
Current wind field estimate: Hurricane Trop Str

Tropical-Storm-Force Wind Speed Probabilities (Preliminary)
For the 120 hours (5.0 days) from 2 AM AST MON JUL 01 to 2 AM AST SAT JUL 06

Probability of tropical-storm-force winds (1-minute average >= 39 mph) from Hurricane Beryl
O indicates Hurricane Beryl center location at 2 AM AST MON JUL 01, 2024 (Forecast/Advisory #11)


For more information go to hurricanes.gov

- Very rough to phenomenal seas across the eastern and central Caribbean associated with Beryl
- Small Craft Advisories in effect for Puerto Rico and USVI


Marine & Coastal Hazards Tonight

Peligros marítimos y costeros esta noche

Weather Forecast Office
San Juan, PR
Issued Jul 01, 2024 4:28 AM AST



Hazards	Peligros
Rip Current Statement	Comunicado de Corrientes Marinas
Small Craft Advisory	Advertencia para Embarcaciones Pequeñas
High Surf Advisory & Rip Current Statement	Advertencia de Resacas Fuertes & Comunicado de Corrientes Marinas

 @NWSsanJuan #prwx #usviwx

weather.gov/sju



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



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www.nhc.noaa.gov