

IMPACTS FOR D8 (through next 5 days)

Winds – High

Storm Surge – Moderate

Rainfall/Flash Flooding – High

Tornadoes – Moderate

Waves - High

Tropical Storm BERYL BRIEFING



11:00 AM CDT
Saturday, July 6, 2024

Prepared by:
Jeff Lewitsky

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

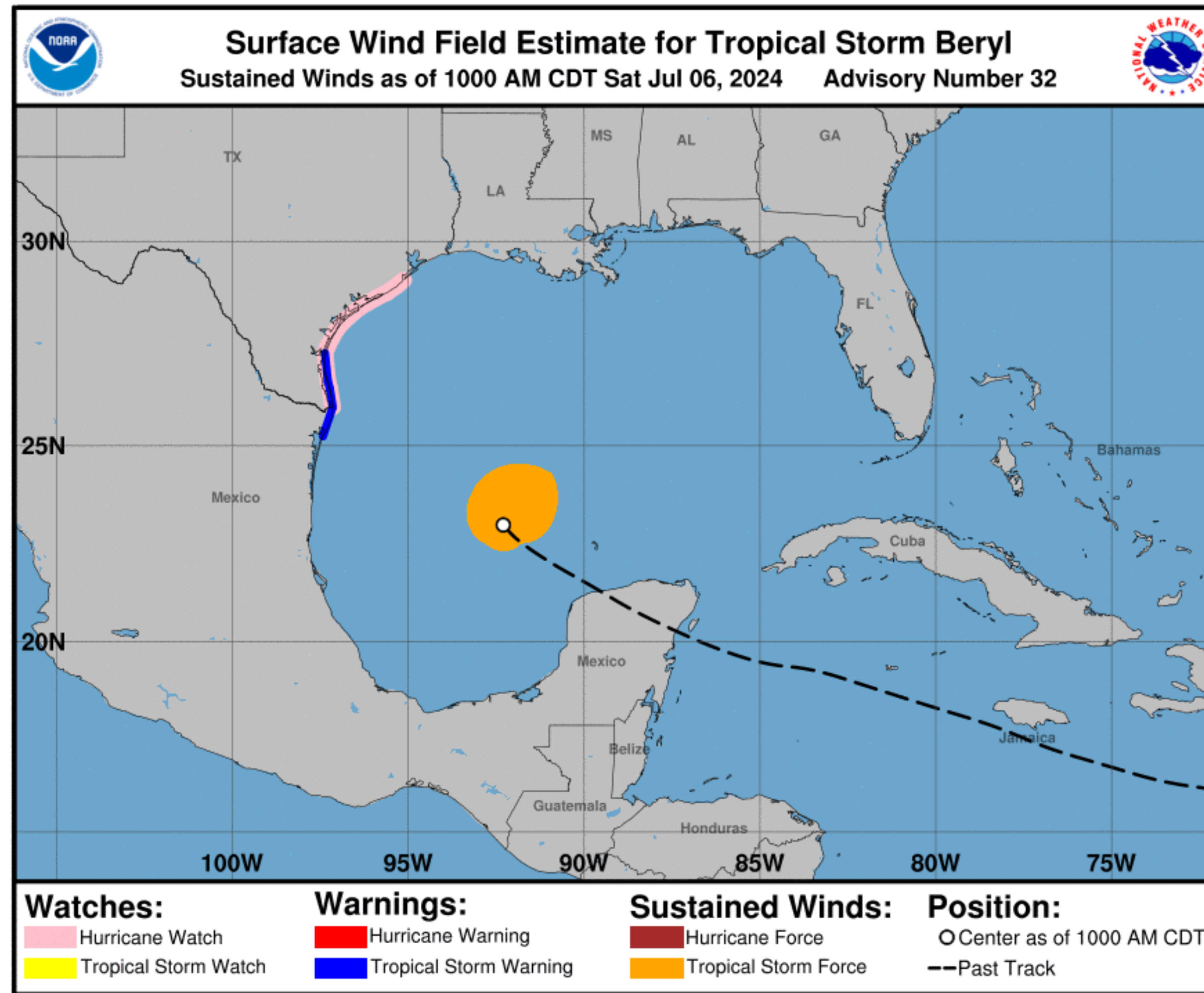
www.nhc.noaa.gov

Situation Overview

Tropical Storm Beryl



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...TROPICAL STORM WARNING ISSUED FOR PORTIONS OF THE WESTERN GULF COAST...

...BERYL EXPECTED TO BE A HURRICANE NEAR LANDFALL IN TEXAS...

Summary of 1000 AM CDT...1500 UTC...

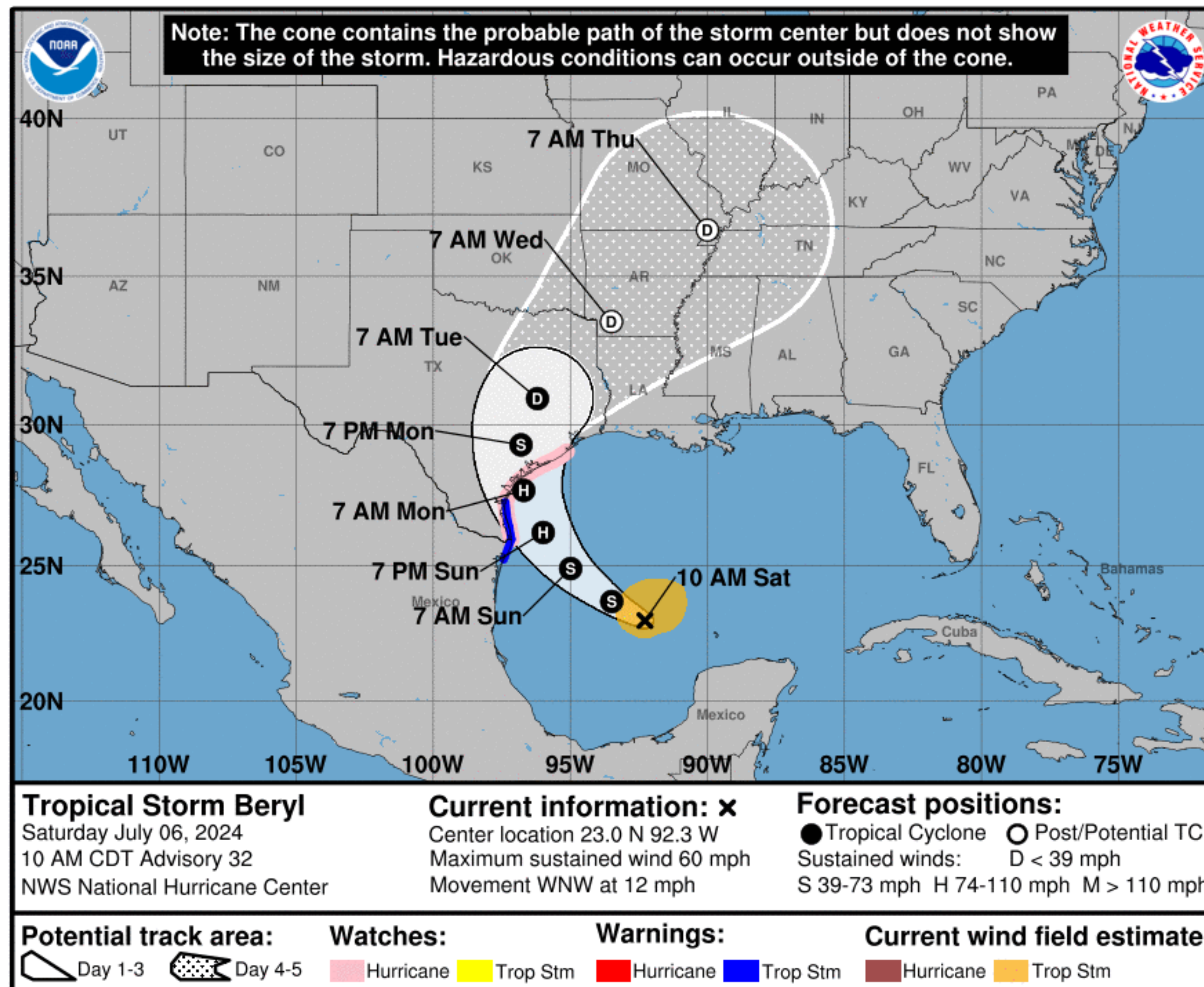
LOCATION...23.0N 92.3W
ABOUT 400 NM SE OF CORPUS CHRISTI, TX
MAXIMUM SUSTAINED WINDS...50 kt
PRESENT MOVEMENT...WNW OR 300 DEGREES AT 10 KT
MINIMUM CENTRAL PRESSURE...
997 mb OR 29.44 inches

Forecast Information

Tropical Storm Beryl



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

- **Little change in strength is expected today. However, strengthening is expected to begin tonight or on Sunday, and Beryl is forecast to become a hurricane before it reaches the Texas coast.**
- **A turn to the northwest is expected later today, followed by a turn toward the north-northwest by Sunday night. On the forecast track, the center of Beryl is expected to approach the Texas coast by late Sunday into Monday morning.**
- 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

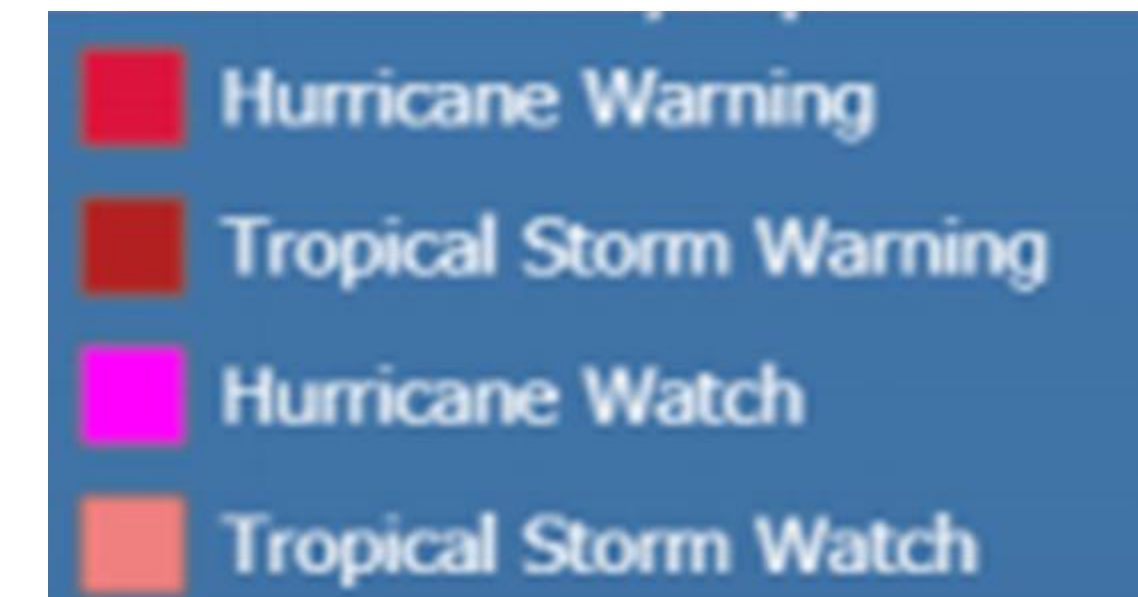
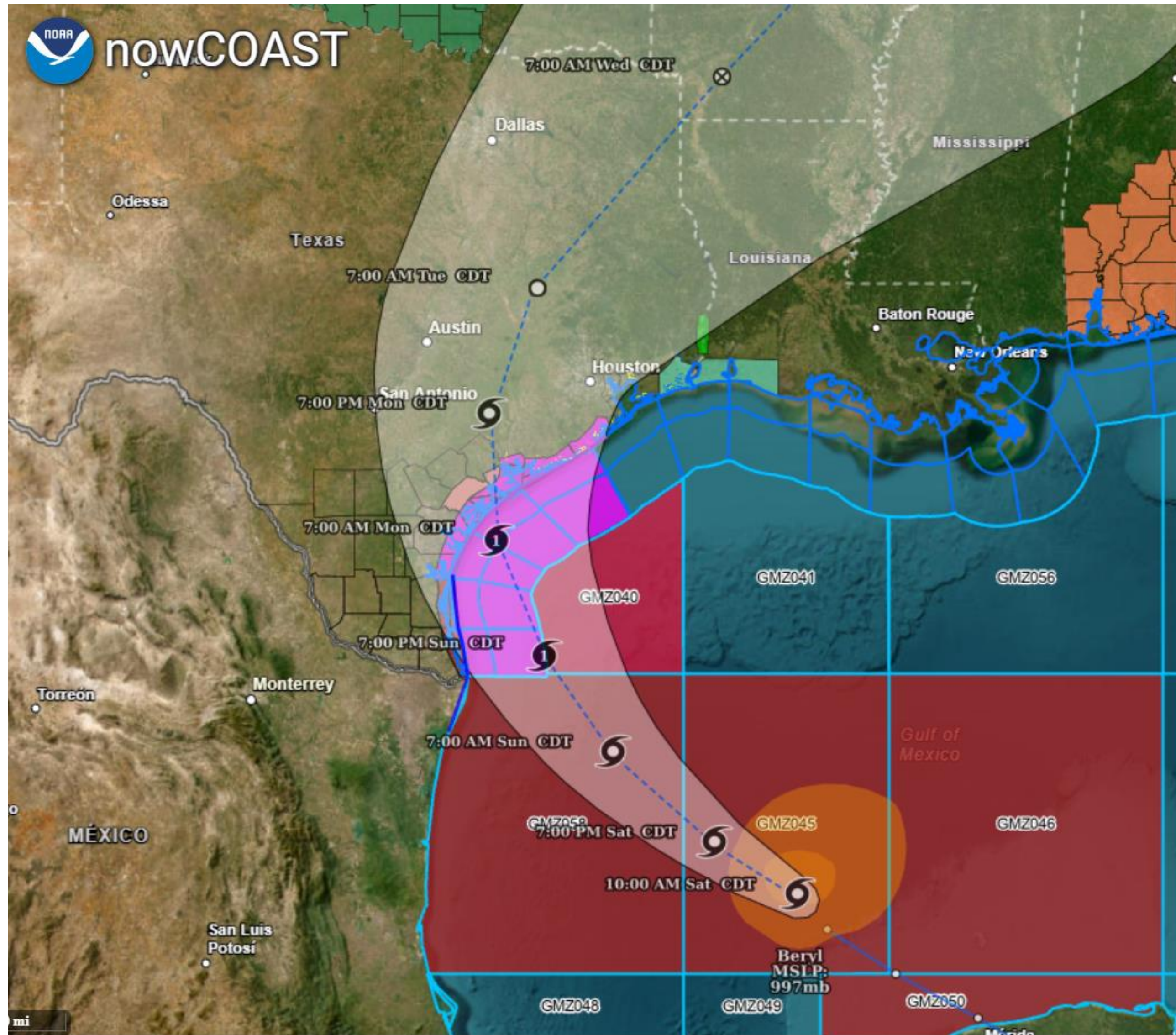
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Tropical Storm Beryl



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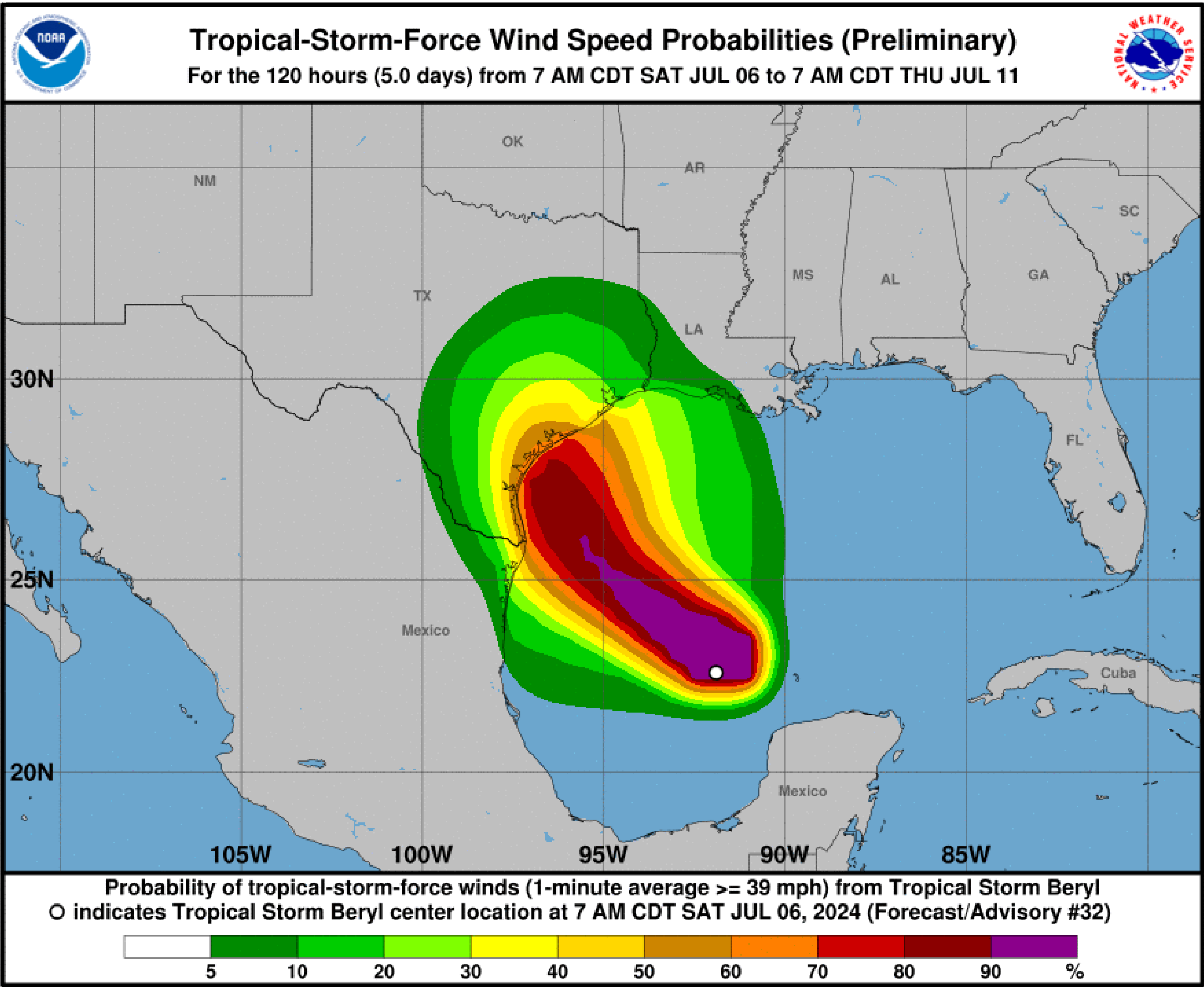
<https://nowcoast.noaa.gov/>

Tropical Storm Force Wind Speed Probabilities

Tropical Storm Beryl



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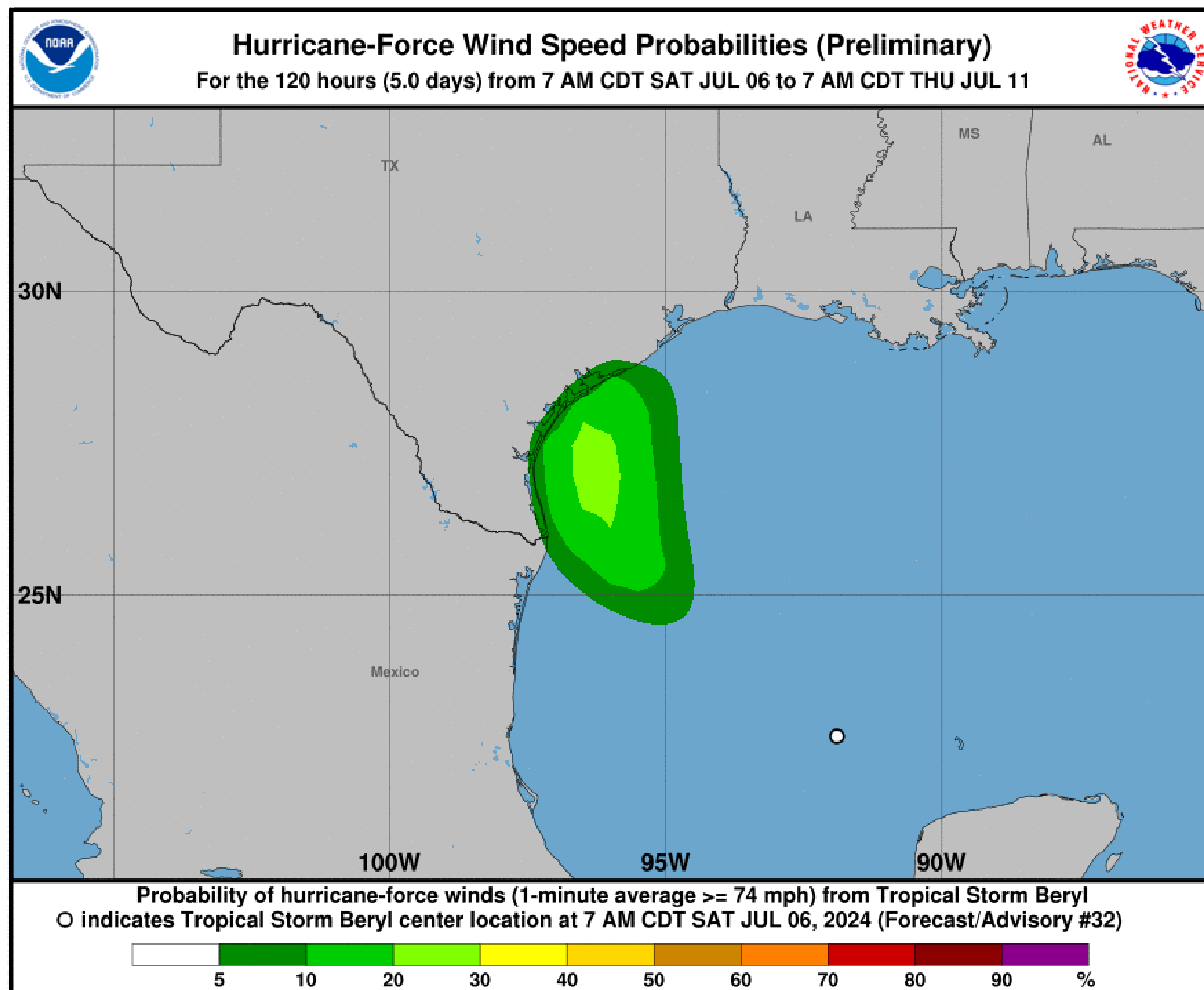
- **Brownsville, TX: 40%**
 - **Port Isabel, TX: 60%**
 - **Port Mansfield, TX: 50%**
 - **Port Aransas, TX: 70%**
 - **Corpus Christi, TX: 60%**
 - **Port O'Connor, TX: 65%**
 - **Port Lavaca, TX: 55%**
 - **Galveston, TX: 35-40%**
 - **Houston, TX: 25-30%**
 - **Port Arthur, TX: 15%**
 - **Sabine Pass: 20%**
 - **Cameron, LA: 15%**
- 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

Tropical Storm Beryl



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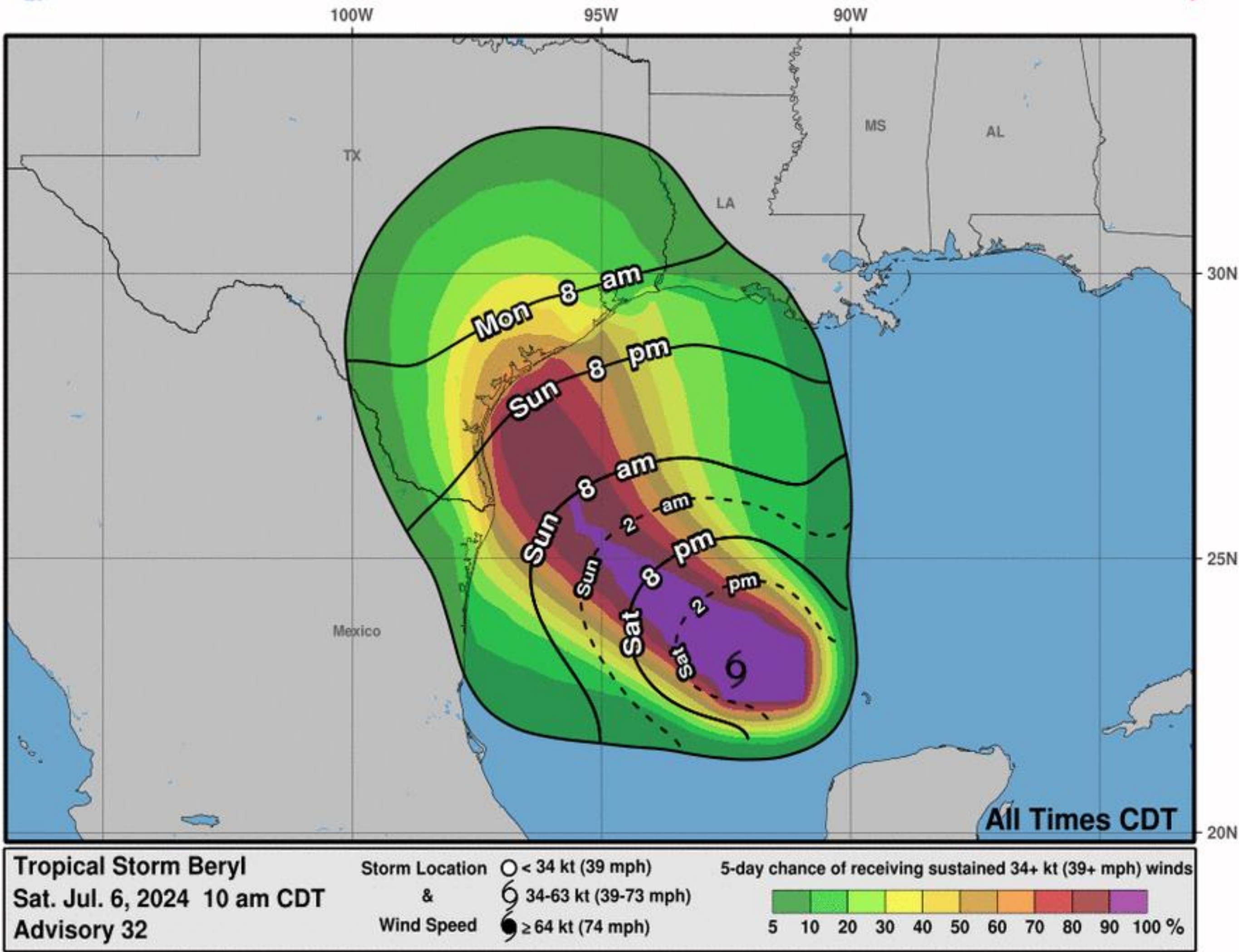
- Port Isabel, TX: 5-10%
- Port Aransas, TX: 5-10%
- Port O'Connor, TX: 5-10%
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.



Tropical Storm Beryl



Most Likely Arrival Time of Tropical-Storm-Force Winds



- **Sunday afternoon and evening south Texas**
- **Sunday evening into early Monday morning middle and upper Texas**
- **Late Sunday night into early Monday SW Louisiana**
- 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%.
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- See the color bar below the image for more details.

Time of Departure

Tropical Storm Beryl



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MOST LIKELY

- BROWNSVILLE, TX – early Monday AM
- CORPUS CHRISTI, TX – Monday noon
- GALVESTON, TX – Monday evening
- HOUSTON, TX – Monday evening

LATEST REASONABLE

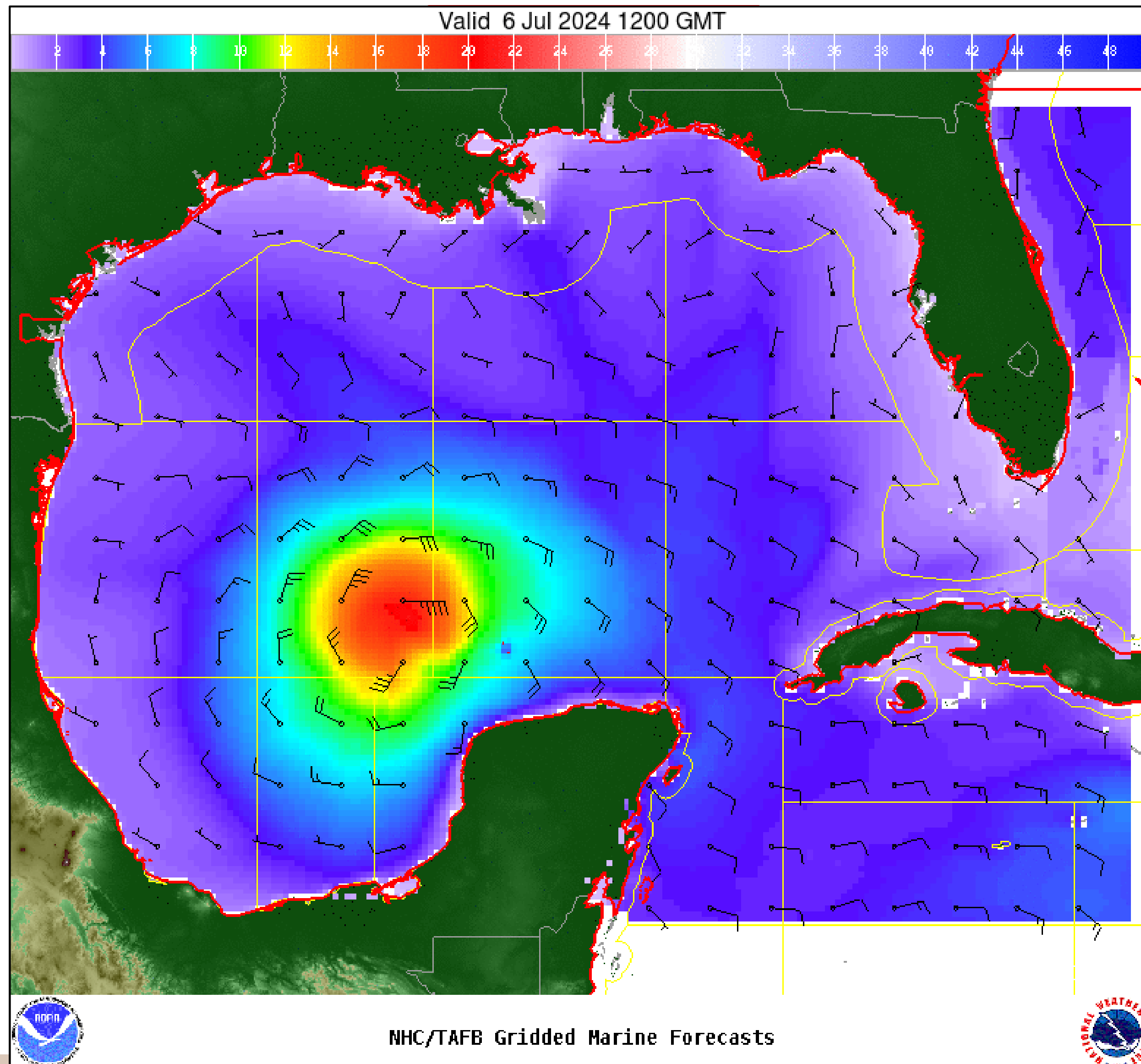
- BROWNSVILLE, TX – late Monday afternoon
- CORPUS CHRISTI, TX – Monday midnight
- GALVESTON, TX – early Tuesday AM
- HOUSTON, TX – early Tuesday AM

Wind And Waves

Tropical Storm Beryl



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Current Conditions

Saturday Morning

Peak Winds: 50 kt G 60 kt

Peak Seas: 20 ft

■ Wave heights are in feet



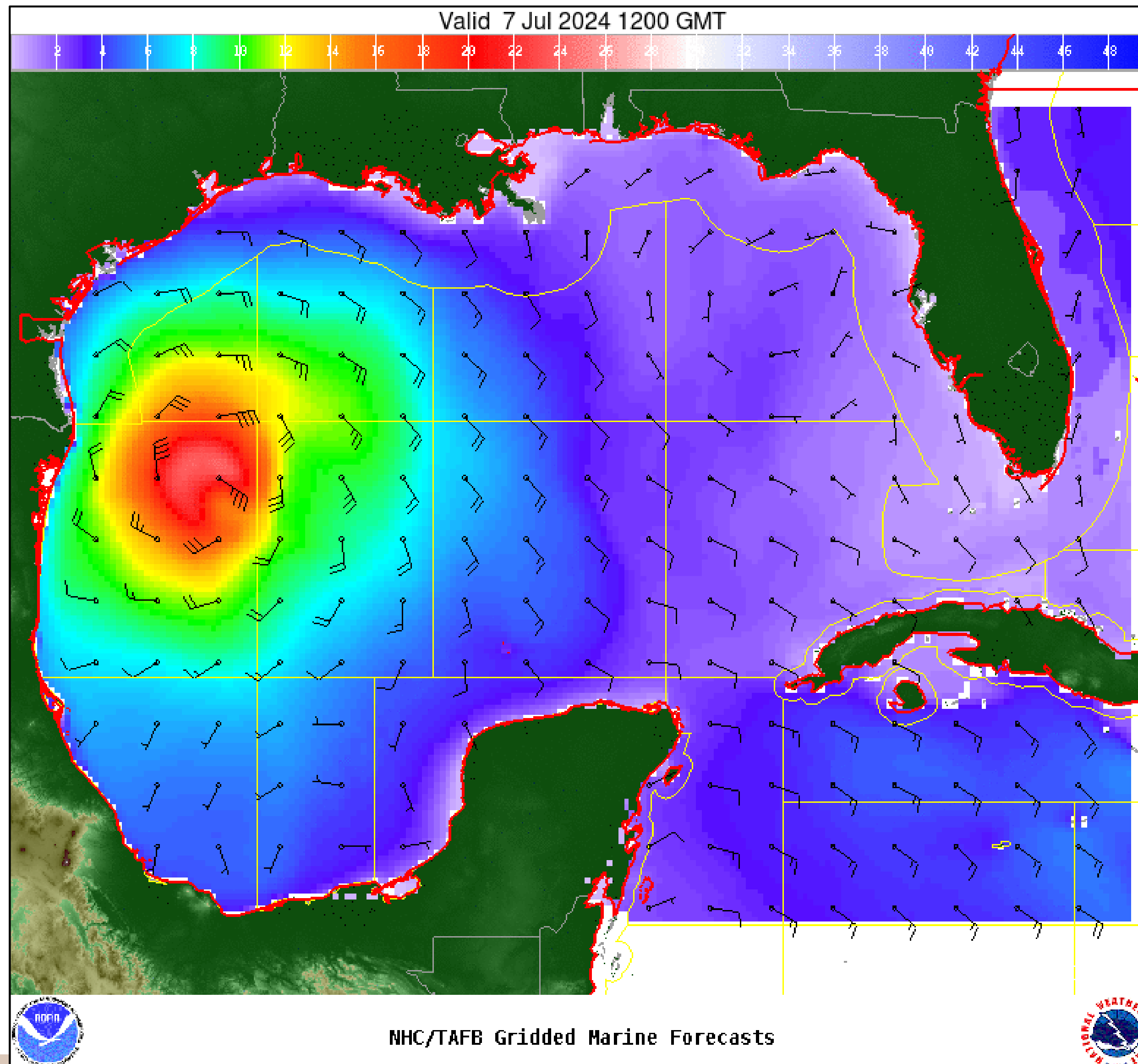
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Beryl



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24 Hour Forecast

Sunday Morning

Peak Winds: 55 kt G 65 kt

Peak Seas: 24 ft

- Wave heights are in feet



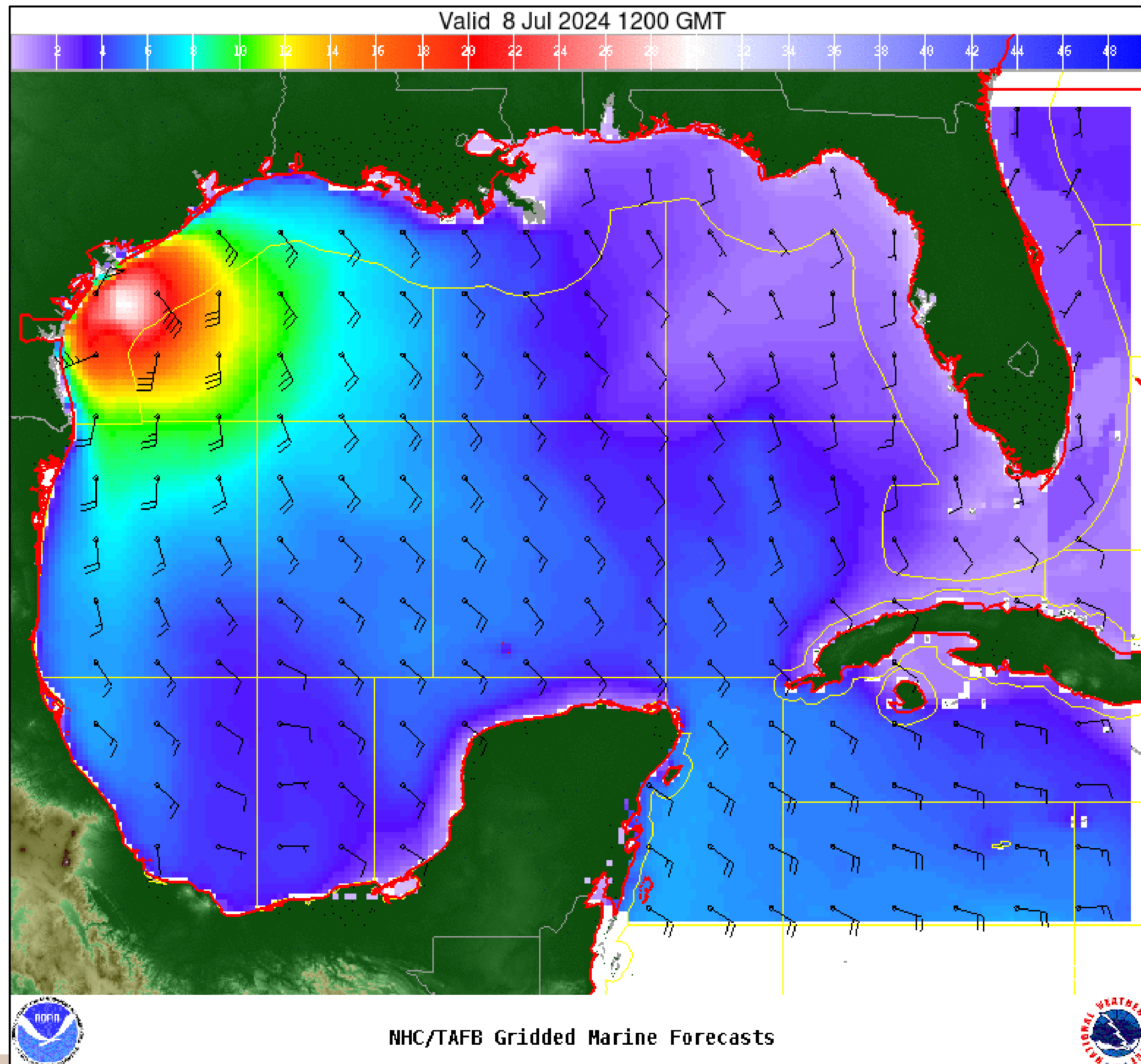
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Beryl



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48 Hour Forecast

Monday Morning

Peak Winds: 75 kt G 90 kt

Peak Seas: 30 ft

■ Wave heights are in feet



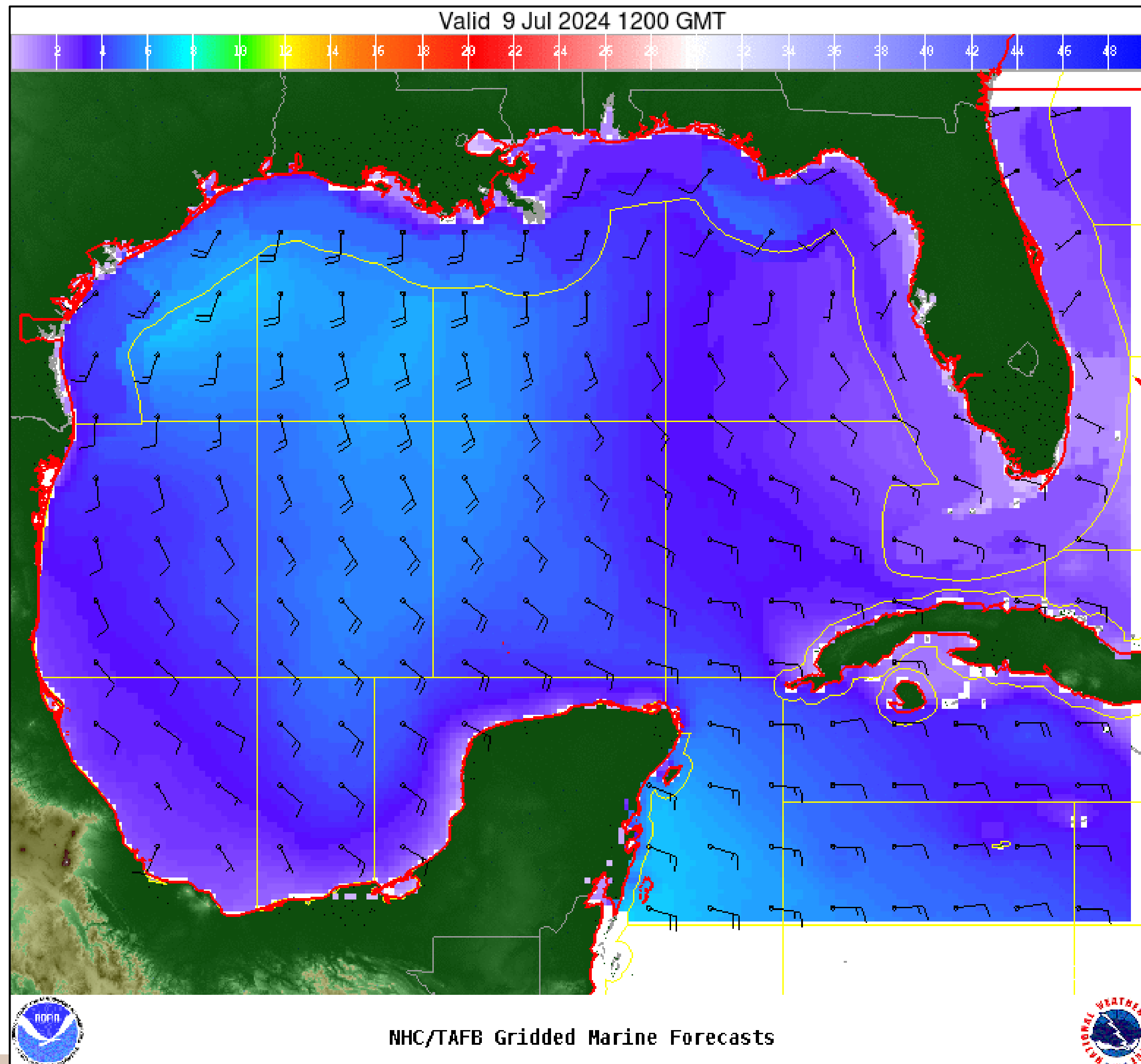
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Beryl



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72 Hour Forecast

Tuesday Morning

Peak Winds: 30 kt G 40 kt

Peak Seas: 8 ft

■ Wave heights are in feet

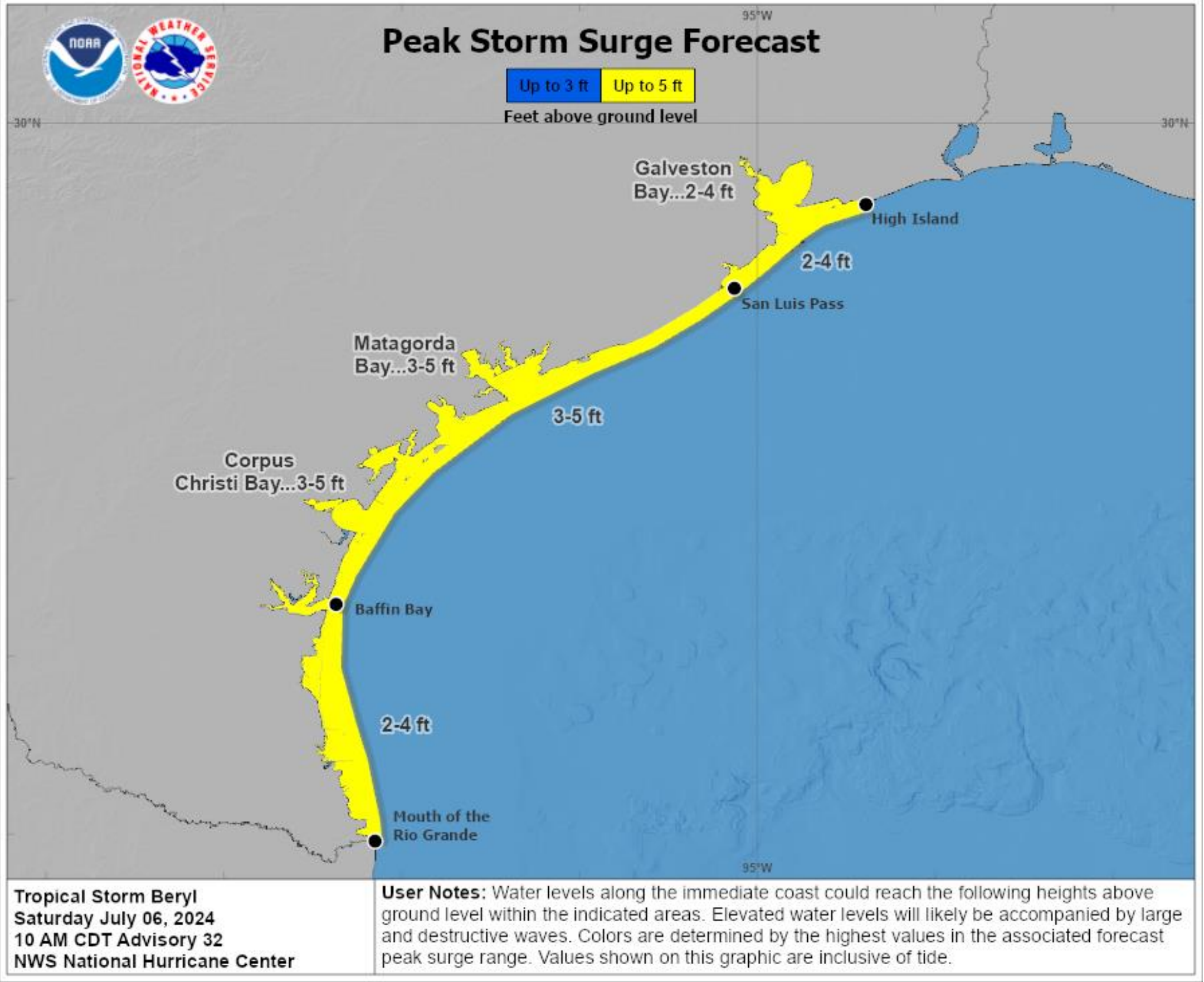


Significant Wave Height (ft)

Potential Peak Storm Surge / Watches and Warnings



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- A Storm Surge Watch is in effect for...
The Texas coast from the mouth of the Rio Grande northward to High Island

A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline, in the indicated locations during the next 48 hours.

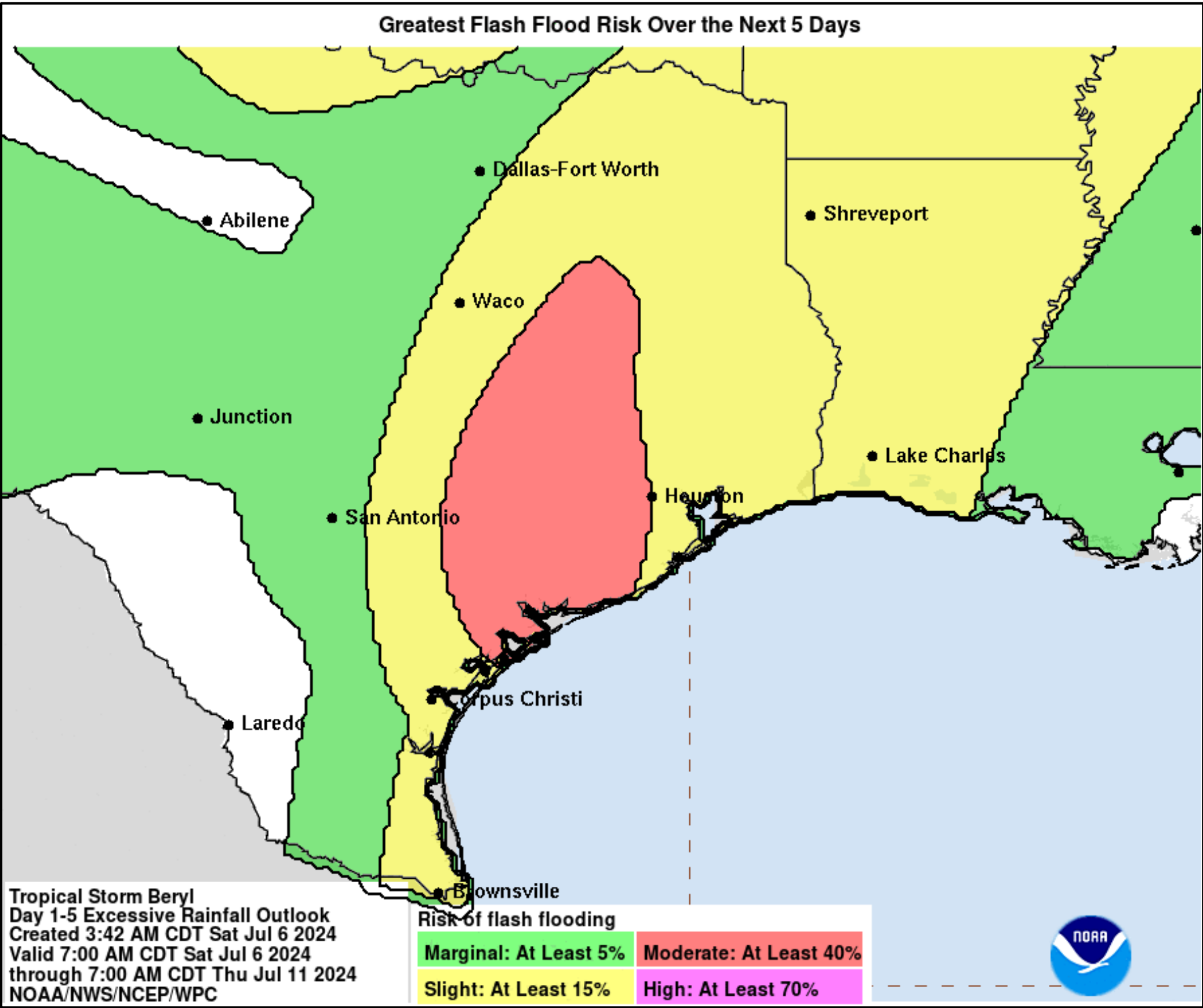
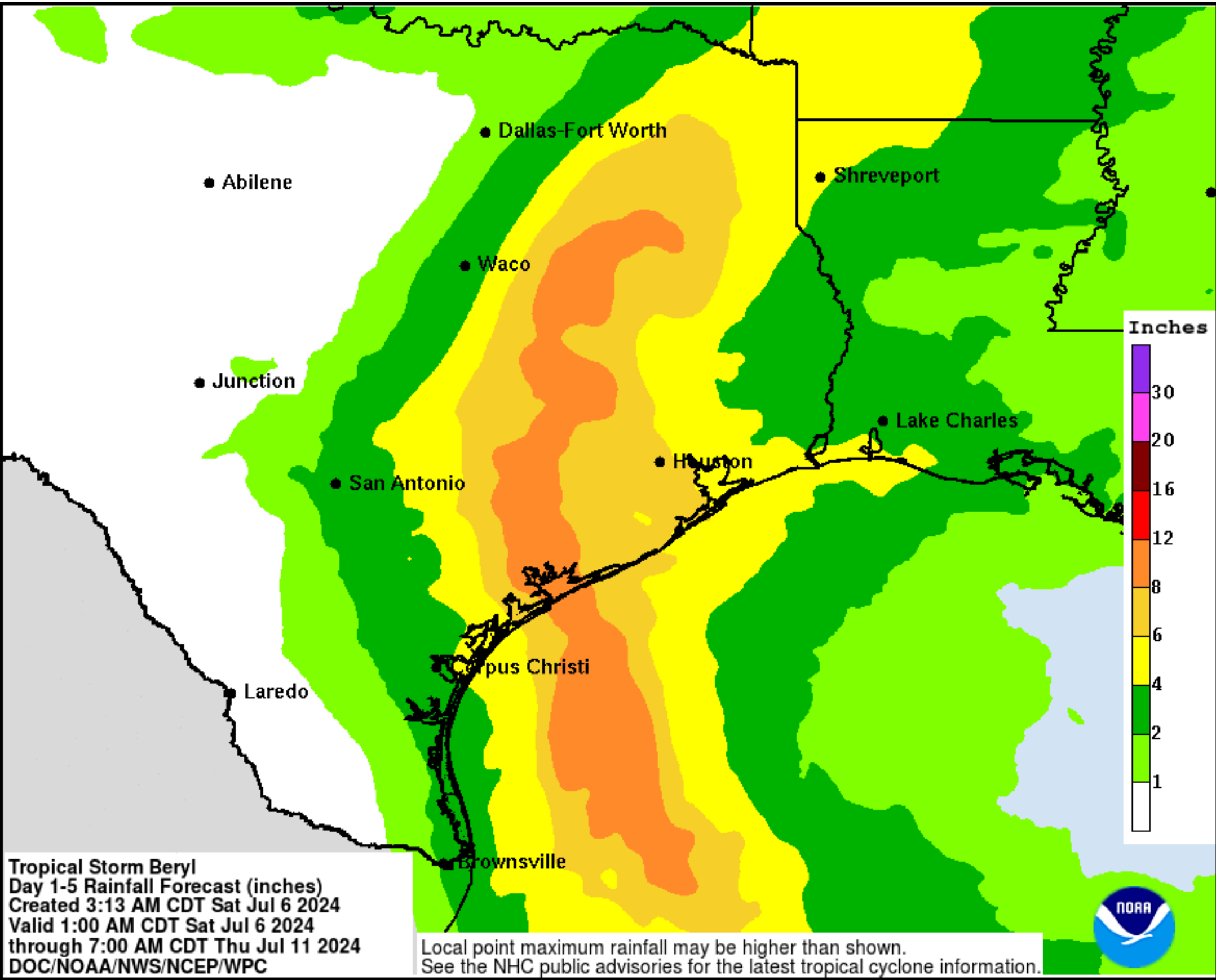
Expected Storm Total Rainfall and Chance of Rainfall Flooding

Tropical Storm Beryl

Images from NWS Weather Prediction Center



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NWS National Hurricane Center



Refer to map legend for Valid Time

Key Messages

Tropical Storm Beryl



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NWS National Hurricane Center



Key Messages for Tropical Storm Beryl

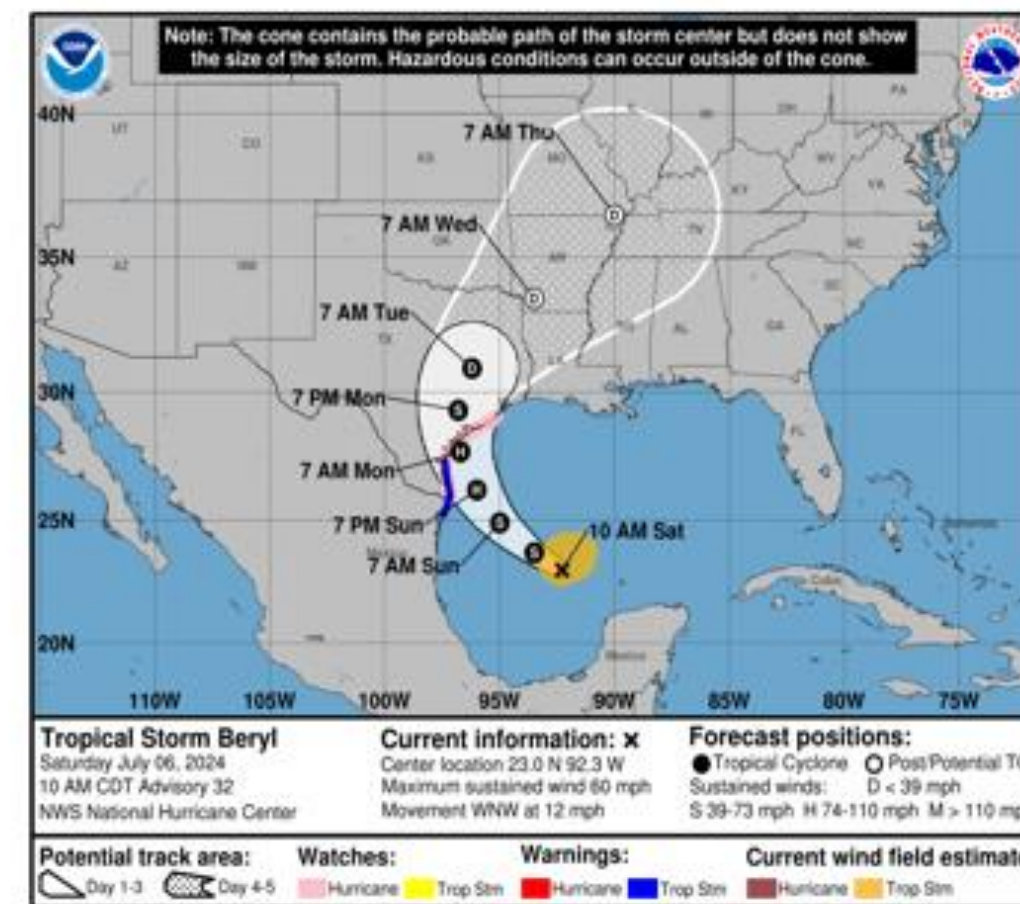
Advisory 32: 10:00 AM CDT Sat Jul 06, 2024



1. There is an increasing risk of damaging hurricane-force winds and life-threatening storm surge along portions of the lower and middle Texas coast late Sunday into Monday, where Hurricane and Storm Surge Watches are in effect. A Tropical Storm Warning is now in effect for portions of deep south Texas and additional warnings will likely be required later today. Interests in these areas should follow any advice given by local officials.

2. Flash and urban flooding, some of which may be locally considerable, is likely across portions of the Texas Gulf Coast and eastern Texas beginning late Sunday through the middle of next week.

3. Rip currents will cause life-threatening beach conditions through the weekend across much of the Gulf Coast. Beachgoers should heed warning flags and the advice of lifeguards and local officials before venturing into the water.



For more information go to hurricanes.gov

IMPACTS FOR D8 (through next 5 days)

Winds – **High**

Storm Surge – **Moderate**

Rainfall/Flash Flooding – **High**

Tornadoes – **Moderate**

Waves - **High**

MARINE KEY MESSAGES:

- Large seas will build as Beryl re-strengthens over the Gulf of Mexico



HURRICANE BERYL BRIEFING

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

*The Next Briefing Will Be:
Sunday 1:00 AM CDT*

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



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