IMPACTS FOR D7 (through next 5 days)

- **Winds – Low**
- **Storm Surge – None**
- **Rainfall/Flash Flooding – Low**
- **Tornadoes – None**
- **Waves - Moderate**

Tropical Storm Nico
BRIEFING
Thu July 20, 2023 – 9am EDT

EXERCISE

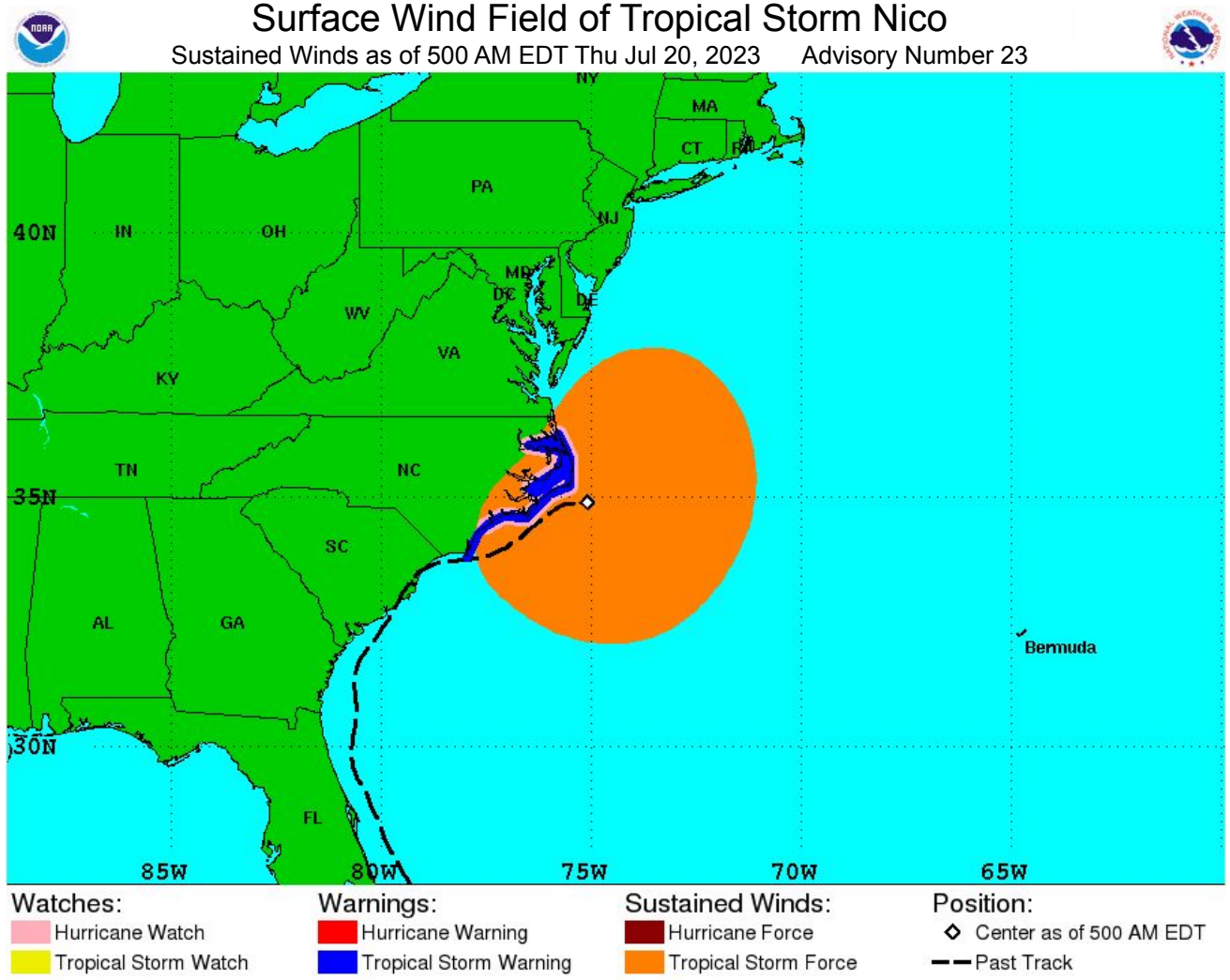
Prepared by:
Dylan Flynn
Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Situation Overview

EXERCISE

Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Nico



...Strong winds continue over eastern North Carolina as Nico moves ENE offshore the Outer Banks...

Summary of 500 AM EDT Information

Location…34.9N 75.1W
About 30 nm SE of Cape Hatteras, NC
Maximum Sustained Winds…60 kt
Present Movement…E at 12 kt

Size
34 kt...210 NE 180 SE 150 SW 90 NW
Seas to 30 ft

Forecast Information

EXERCISE

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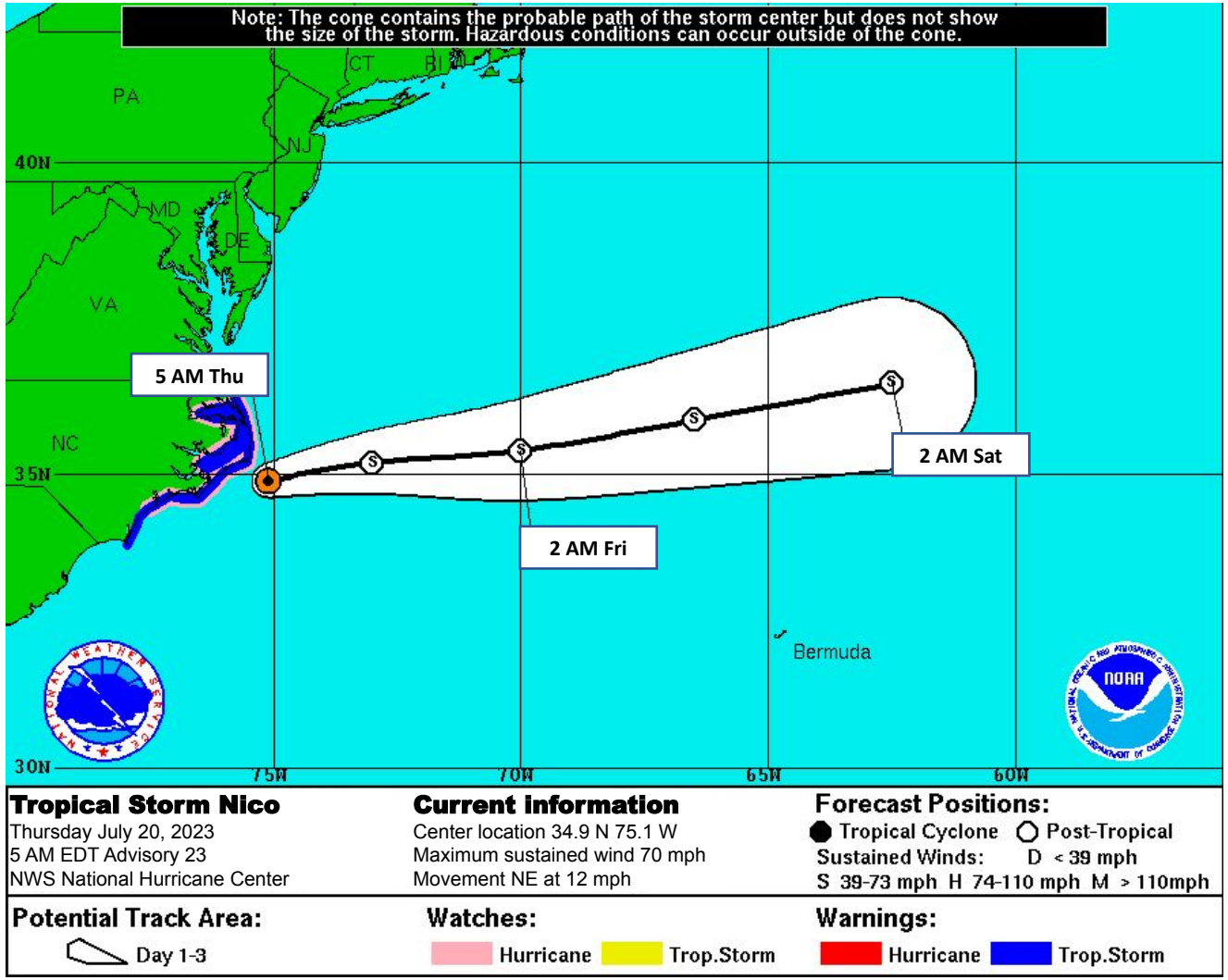
Tropical Storm Nico



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

- **Nico has become embedded in the mid-latitude westerly flow and is accelerating to the E**
- **As Nico transitions to an extratropical cyclone, the intensity will stabilize as the wind field grows**
- **No further impacts anticipated for D7 Area of Responsibility**

- Current center forecast positions through the next 5 days illustrated by dots
- White swath is potential track error through day 3
- Hatched swatch is potential track error on days 4-5

** Swaths are designed so the actual track will occur inside the cone two-thirds of the time. One-third of the time, the center will track outside the cone.

T.S. Wind Speed Probabilities

EXERCISE

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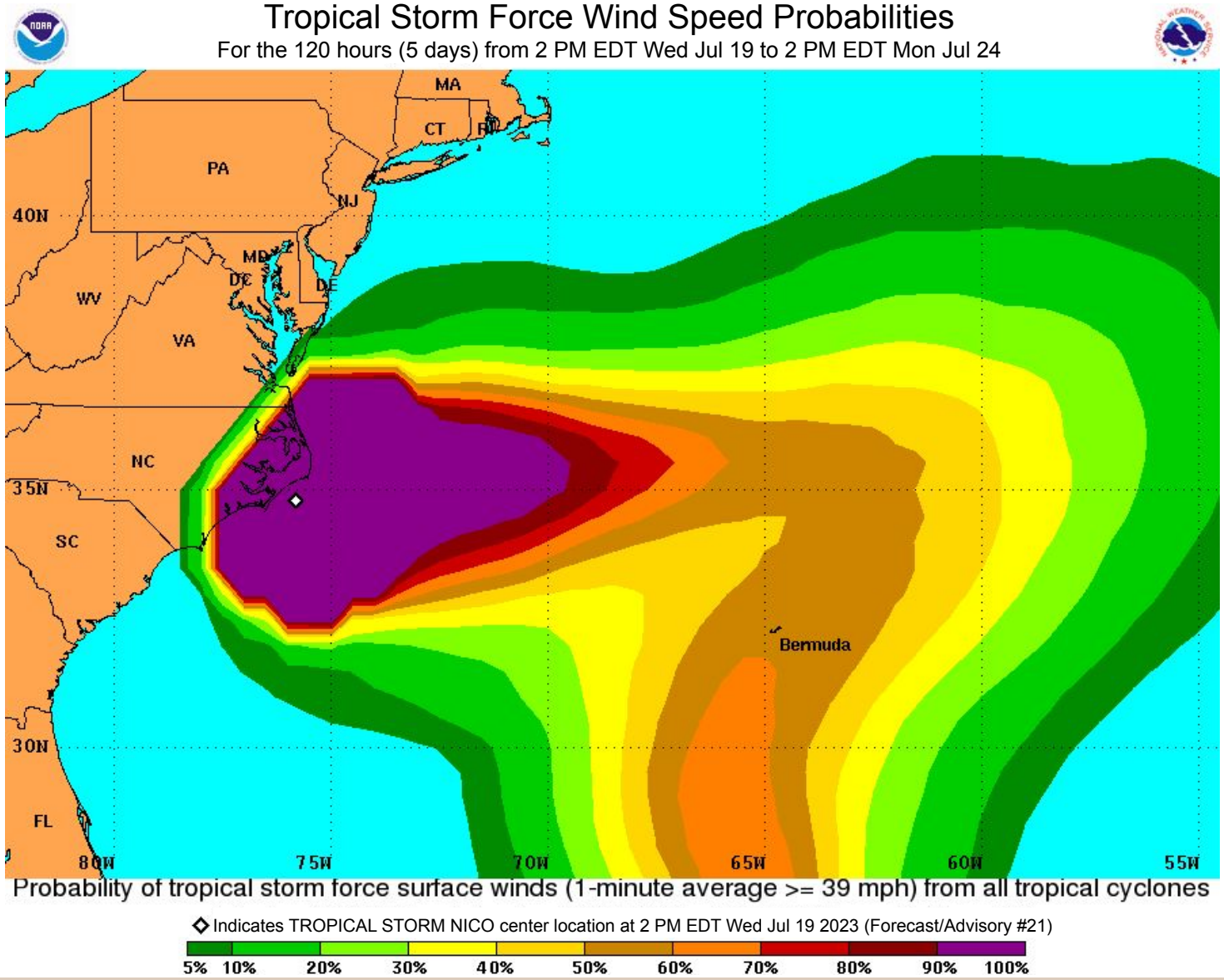
Tropical Storm Nico



- Jacksonville, FL 0% (-5%)
- Charleston, SC 0% (-100%)

- Probabilities of sustained tropical storm force winds (>34 kt) over the next 5 days, based off this cyclone's wind radii and track.

Storm Surge

Tropical Storm Nico

- The Peak Storm Surge Forecast graphic has been discontinued. Water levels may remain elevated with the high tide cycle and continued rainfall.

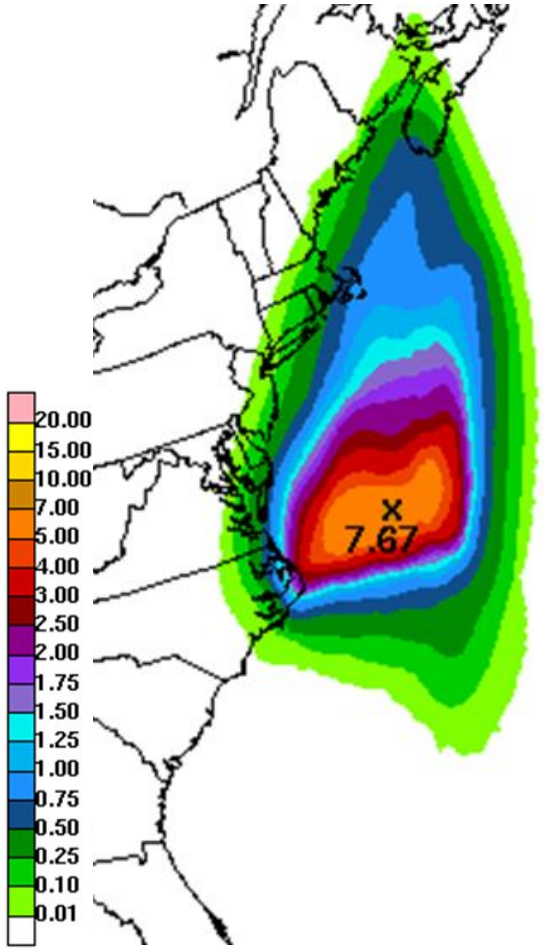
Expected Storm Total Rainfall and Chance of Rainfall Flooding

Weather Prediction Center

EXERCISE

Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Nico



Rainfall will be subsiding later today with no chance of additional flooding.

Marine Key Messages

Tropical Storm Nico

Tropical Analysis and Forecast Branch
NWS National Hurricane Center

- Seas and surf will continue to improve off the North and South Carolina coasts tonight and into tomorrow

IMPACTS FOR D7 (through next 5 days)

Winds – Low

Storm Surge – None

Rainfall/Flash Flooding – Low

Tornadoes – None

Waves - Moderate