

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



Prepared by:

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NWS National Hurricane Center*



Situation Overview

****EXERCISE****

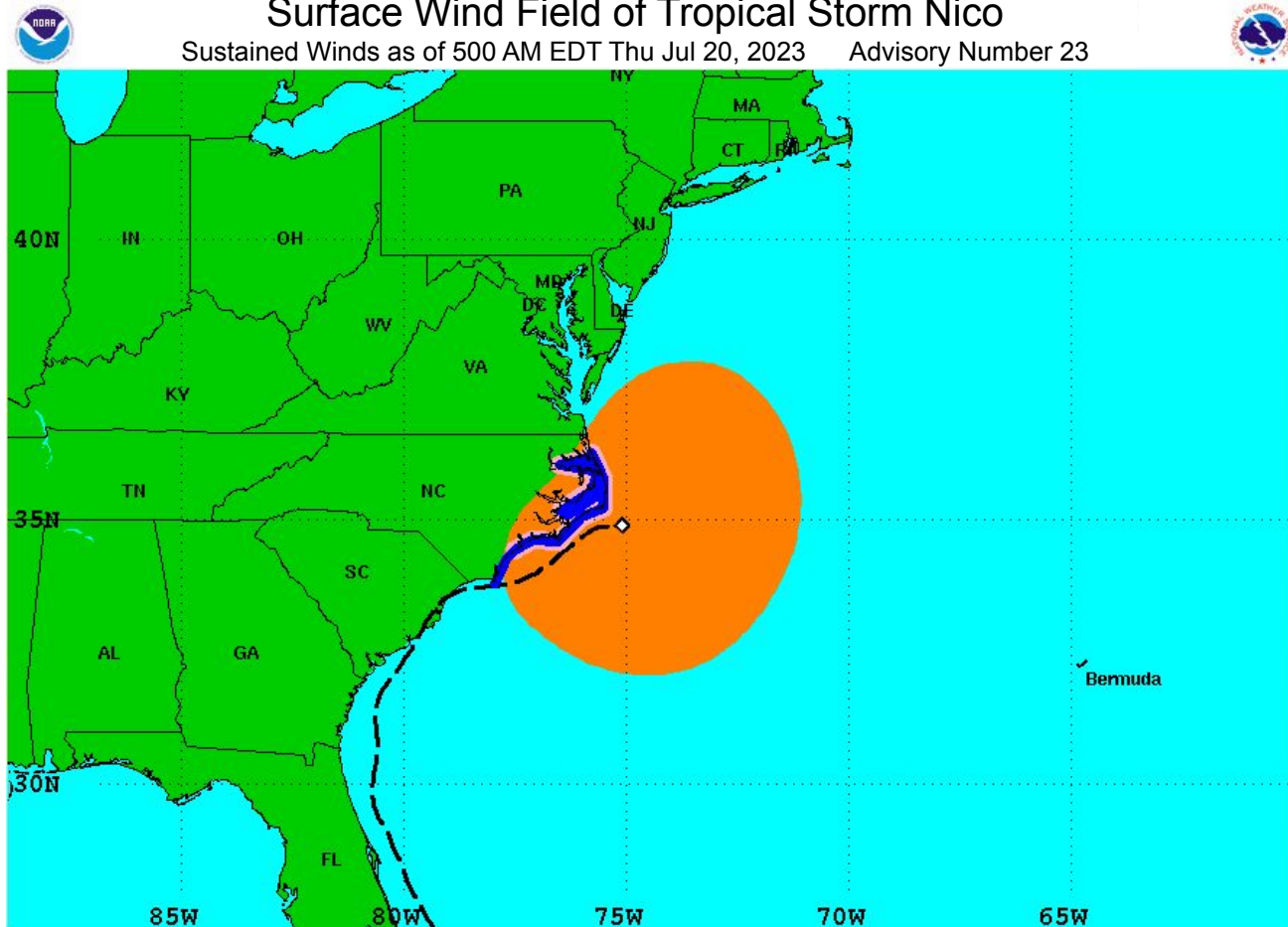


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Nico

Surface Wind Field of Tropical Storm Nico

Sustained Winds as of 500 AM EDT Thu Jul 20, 2023 Advisory Number 23



...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

- | | | | |
|----------------------|------------------------|-------------------------|-------------------------|
| Watches: | Warnings: | Sustained Winds: | Position: |
| Hurricane Watch | Hurricane Warning | Hurricane Force | Center as of 500 AM EDT |
| Tropical Storm Watch | Tropical Storm Warning | Tropical Storm Force | Past Track |

****EXERCISE****

****EXERCISE****

Forecast Information

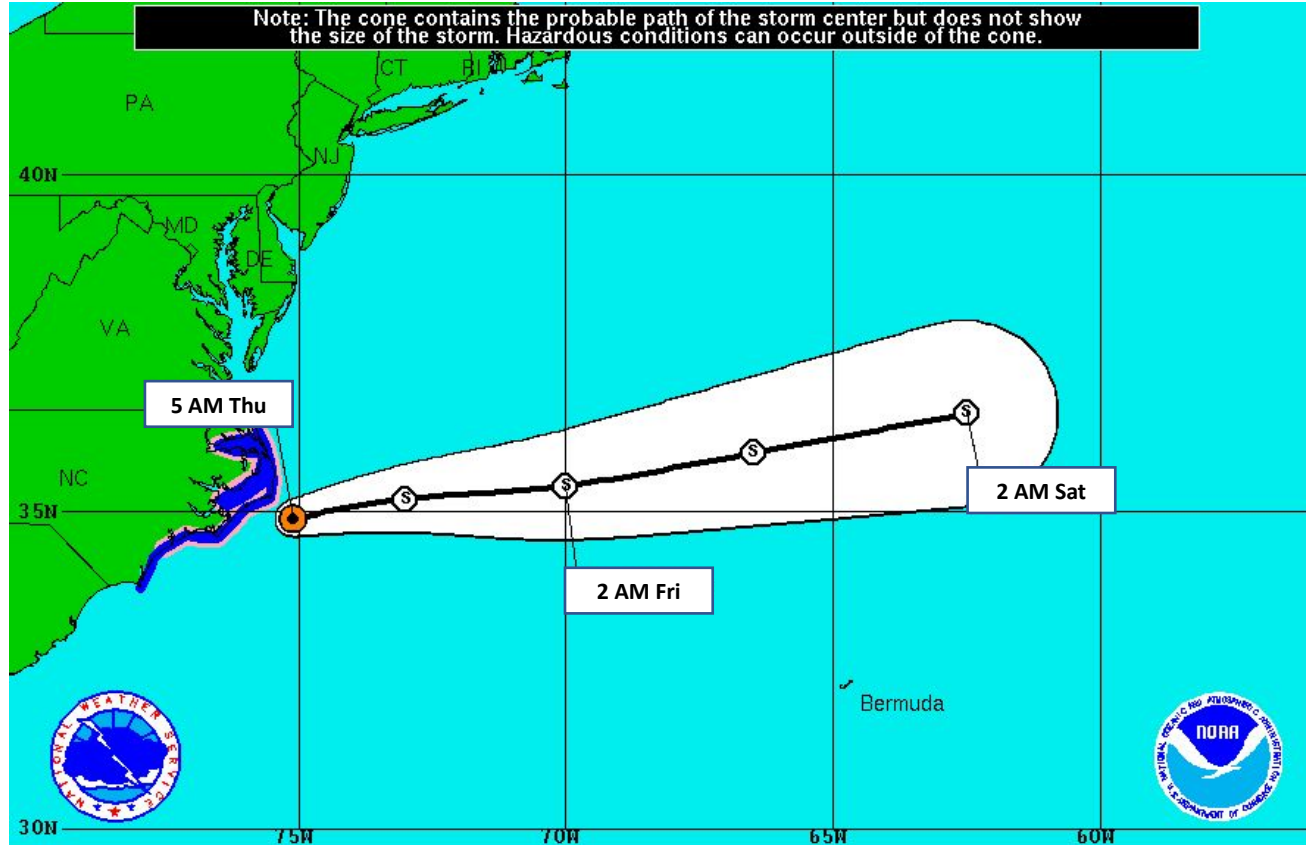
****EXERCISE****



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Tropical Storm Nico

Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of 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 swath 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.

<p>Tropical Storm Nico Thursday July 20, 2023 5 AM EDT Advisory 23 NWS National Hurricane Center</p>	<p>Current information Center location 34.9 N 75.1 W Maximum sustained wind 70 mph Movement NE at 12 mph</p>	<p>Forecast Positions: ● Tropical Cyclone ○ Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph</p>
<p>Potential Track Area: Day 1-3</p>	<p>Watches: Hurricane Trop.Storm</p>	<p>Warnings: Hurricane Trop.Storm</p>

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

****EXERCISE****

****EXERCISE****

T.S. Wind Speed Probabilities

****EXERCISE****

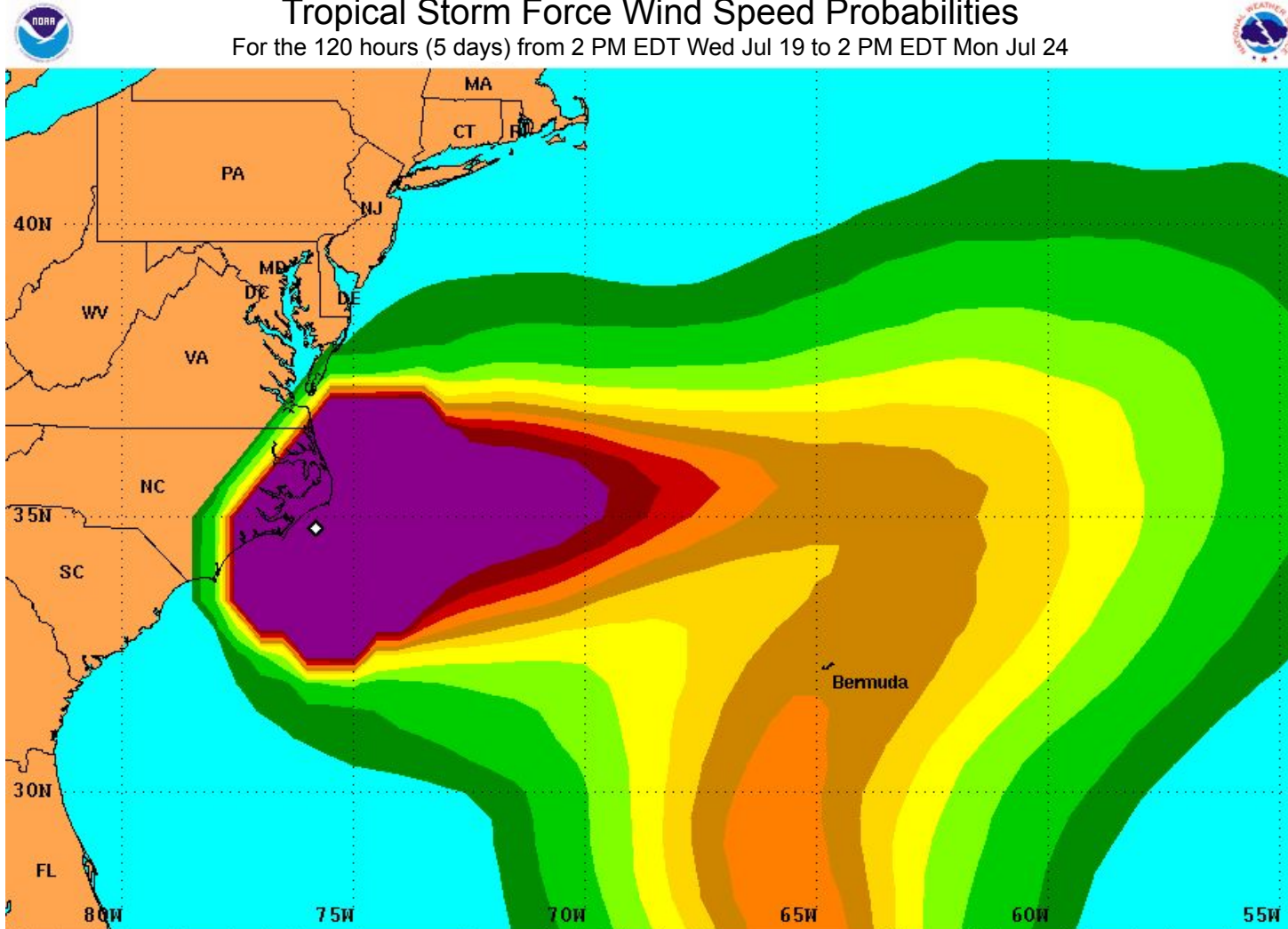


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Tropical Storm Nico

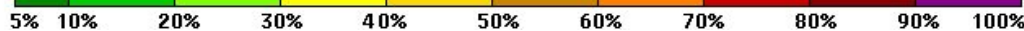
Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Wed Jul 19 to 2 PM EDT Mon Jul 24



Probability of tropical storm force surface winds (1-minute average \geq 39 mph) from all tropical cyclones

◇ Indicates TROPICAL STORM NICO center location at 2 PM EDT Wed Jul 19 2023 (Forecast/Advisory #21)



- 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.

****EXERCISE****

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- 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

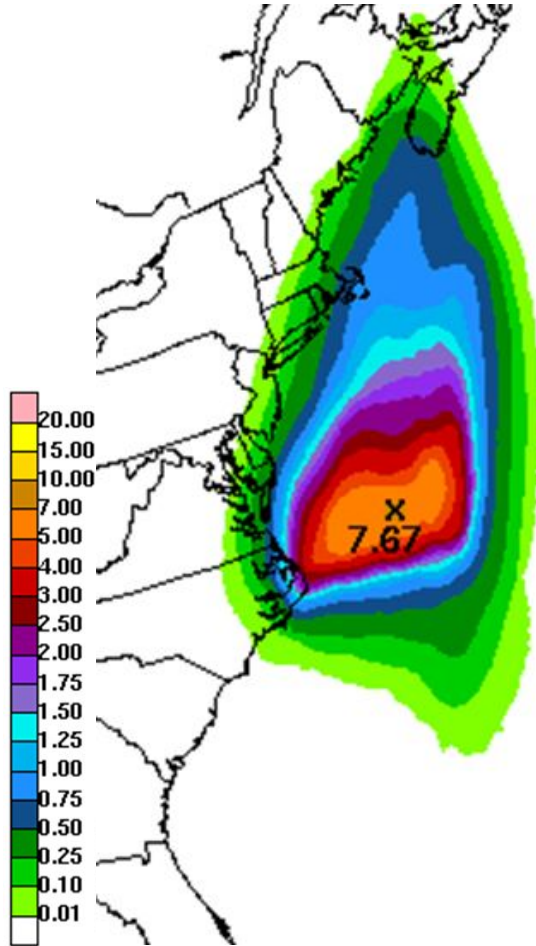
Weather Prediction Center

****EXERCISE****



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Nico



**NO ORGANIZED AREAS OF RAINFALL
EXCEEDING FLASH FLOOD GUIDANCE
ARE EXPECTED**

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

****EXERCISE****

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

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