

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – Medium

Rainfall/Flash Flooding – High

Tornadoes – Low

Waves - High

Hurricane Nico BRIEFING

Mon July 17, 2023 – 9am EDT



Prepared by:

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NWS National Hurricane Center*



Situation Overview

****EXERCISE****

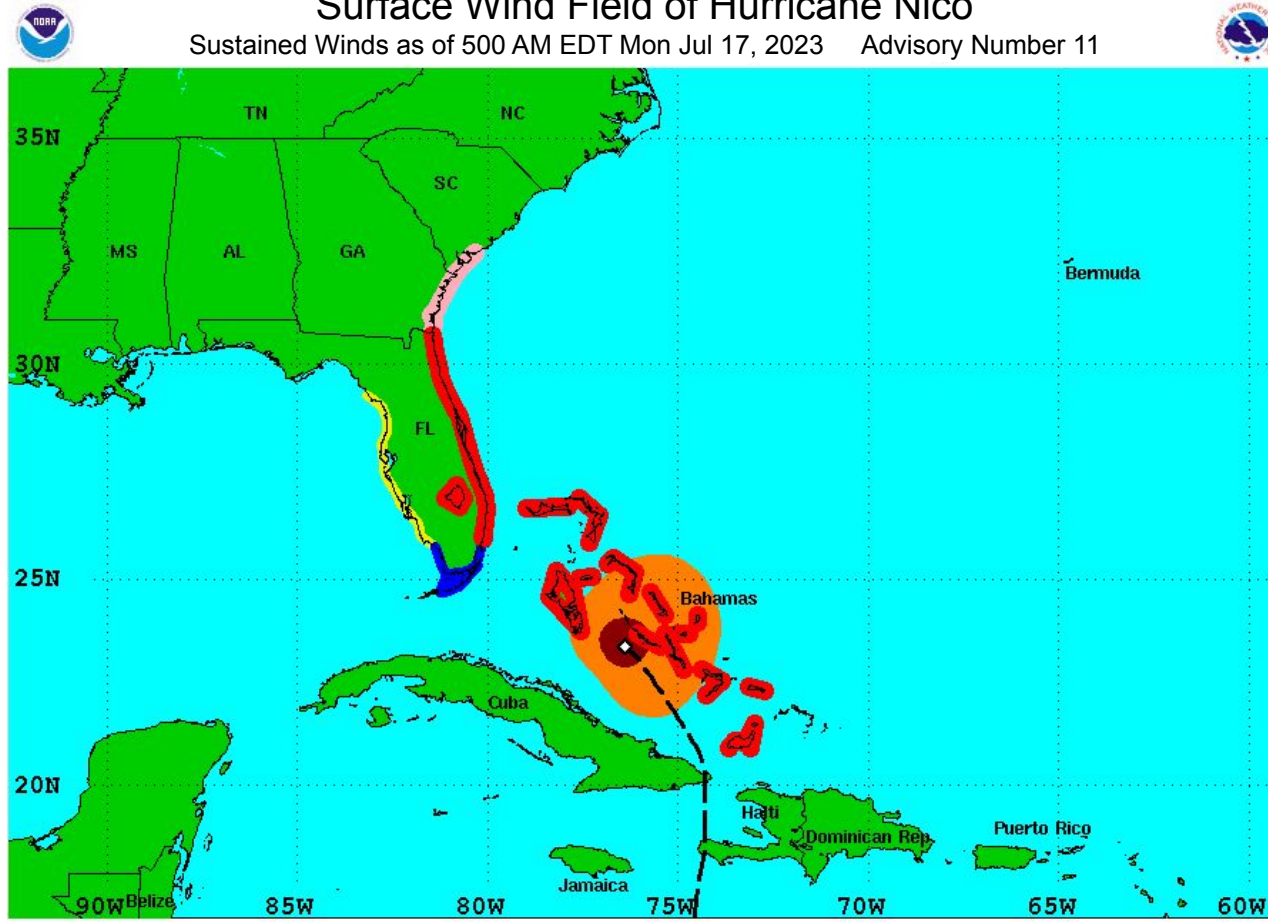


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Nico

Surface Wind Field of Hurricane Nico

Sustained Winds as of 500 AM EDT Mon Jul 17, 2023 Advisory Number 11



Watches:
Hurricane Watch (pink)
Tropical Storm Watch (yellow)

Warnings:
Hurricane Warning (red)
Tropical Storm Warning (blue)

Sustained Winds:
Hurricane Force (dark red)
Tropical Storm Force (orange)

Position:
◇ Center as of 500 AM EDT
--- Past Track

...Hurricane Nico approaching landfall in the Bahamas...

Summary of 500 AM EDT Information

Location... 23.4N 76.4W
About 125 nm SSE of Nassau
About 325 nm SE of Palm Beach
Maximum Sustained Winds... 65 kt
Present Movement... NW at 9 kt

Size
34 kt...150 NE 120 SE 60 SW 90 NW
Seas to 24 ft

****EXERCISE****

****EXERCISE****

Forecast Information

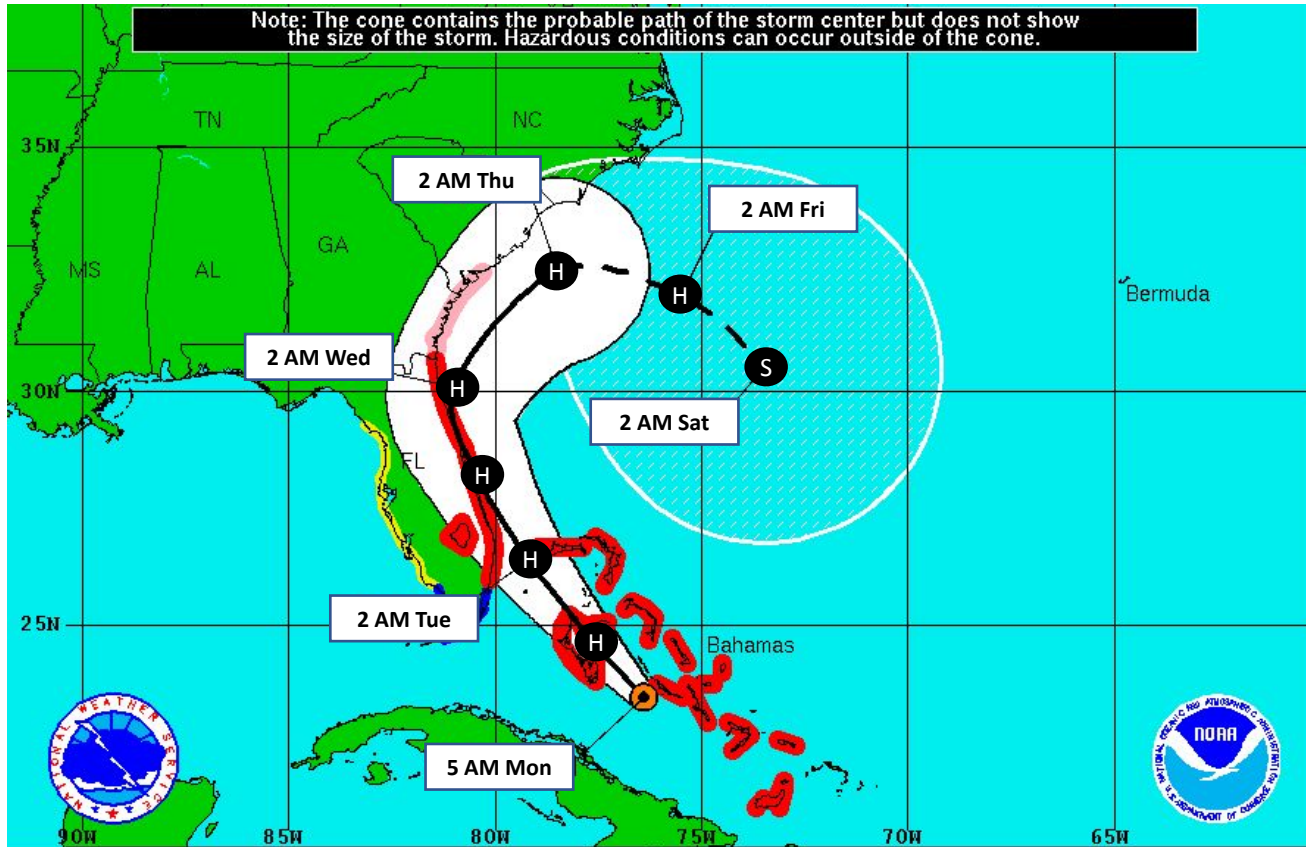
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Hurricane Nico

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 is expected to bring direct hurricane impacts to the most populated Island in the Bahamas this afternoon**
- **Nico is expected to continue NW towards east-central Florida through Tue before recurving to the NE by Wed**
- **Gradual strengthening is expected to continue**
- **A hurricane warning is in effect for Florida from north of Golden Beach to Fernandina Beach**
- 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

Hurricane Nico

Monday July 17, 2023
5 AM EDT Advisory 11
NWS National Hurricane Center

Current information

Center location 23.4 N 76.4 W
Maximum sustained wind 75 mph
Movement NW at 10 mph

Forecast Positions:

● Tropical Cyclone ○ Post-Tropical
Sustained Winds: D < 39 mph
S 39-73 mph H 74-110 mph M > 110mph

Potential Track Area:

Day 1-3 Day 4-5

Watches:

Hurricane Trop.Storm

Warnings:

Hurricane Trop.Storm

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

** 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.

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www.nhc.noaa.gov

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T.S. Wind Speed Probabilities

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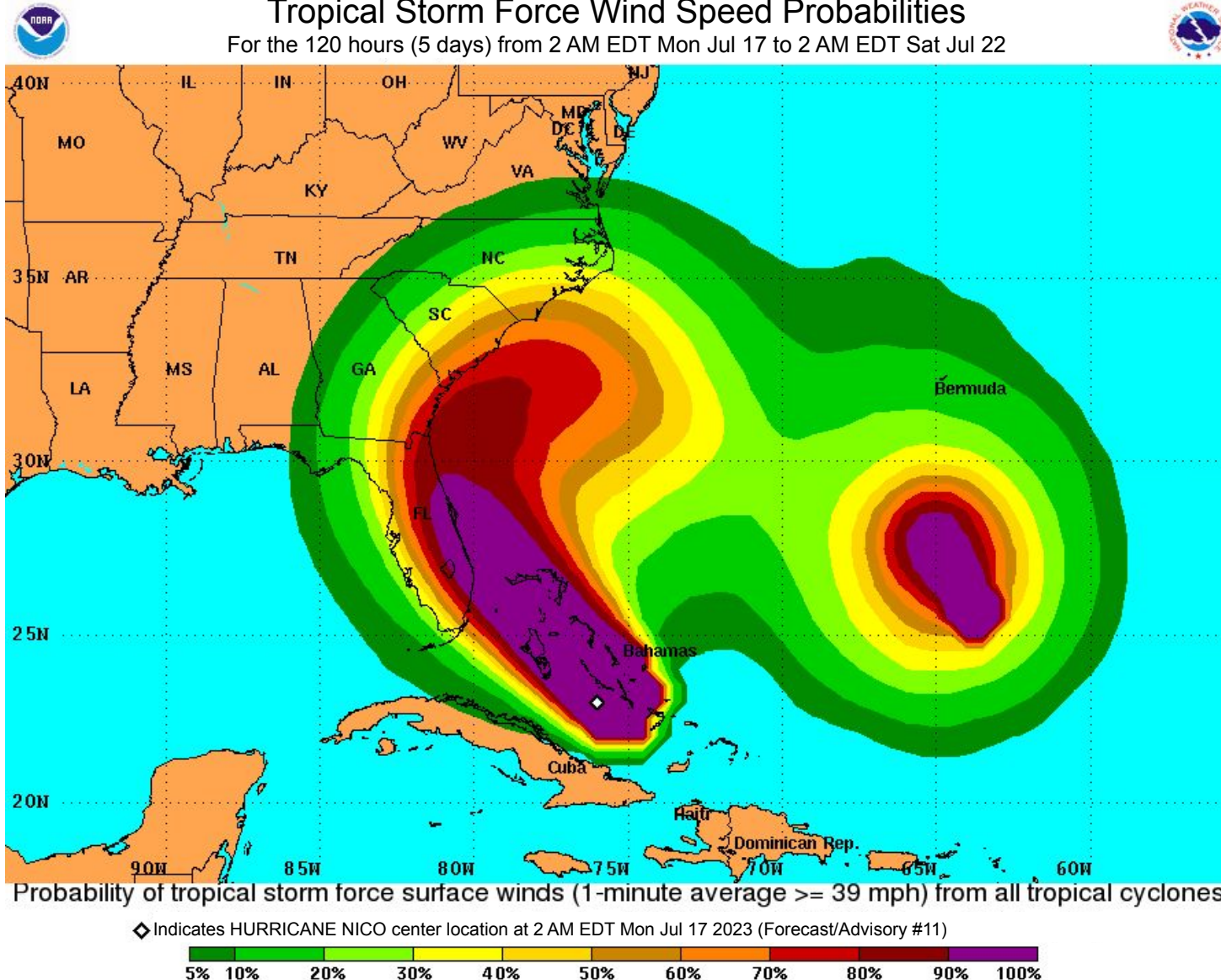


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Hurricane Nico

Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Mon Jul 17 to 2 AM EDT Sat Jul 22



- Jacksonville, FL 75% (+10%)
- Charleston, SC 60% ($\pm 0\%$)

- Great Exuma, Bah. 100% ($\pm 0\%$)
- San Salvador 100% (+10%)
- Andros 100% (+5%)
- New Providence 100% ($\pm 0\%$)
- Grand Bahama 100% ($\pm 0\%$)

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

****EXERCISE****

****EXERCISE****

Hurricane Wind Speed Probabilities ****EXERCISE****

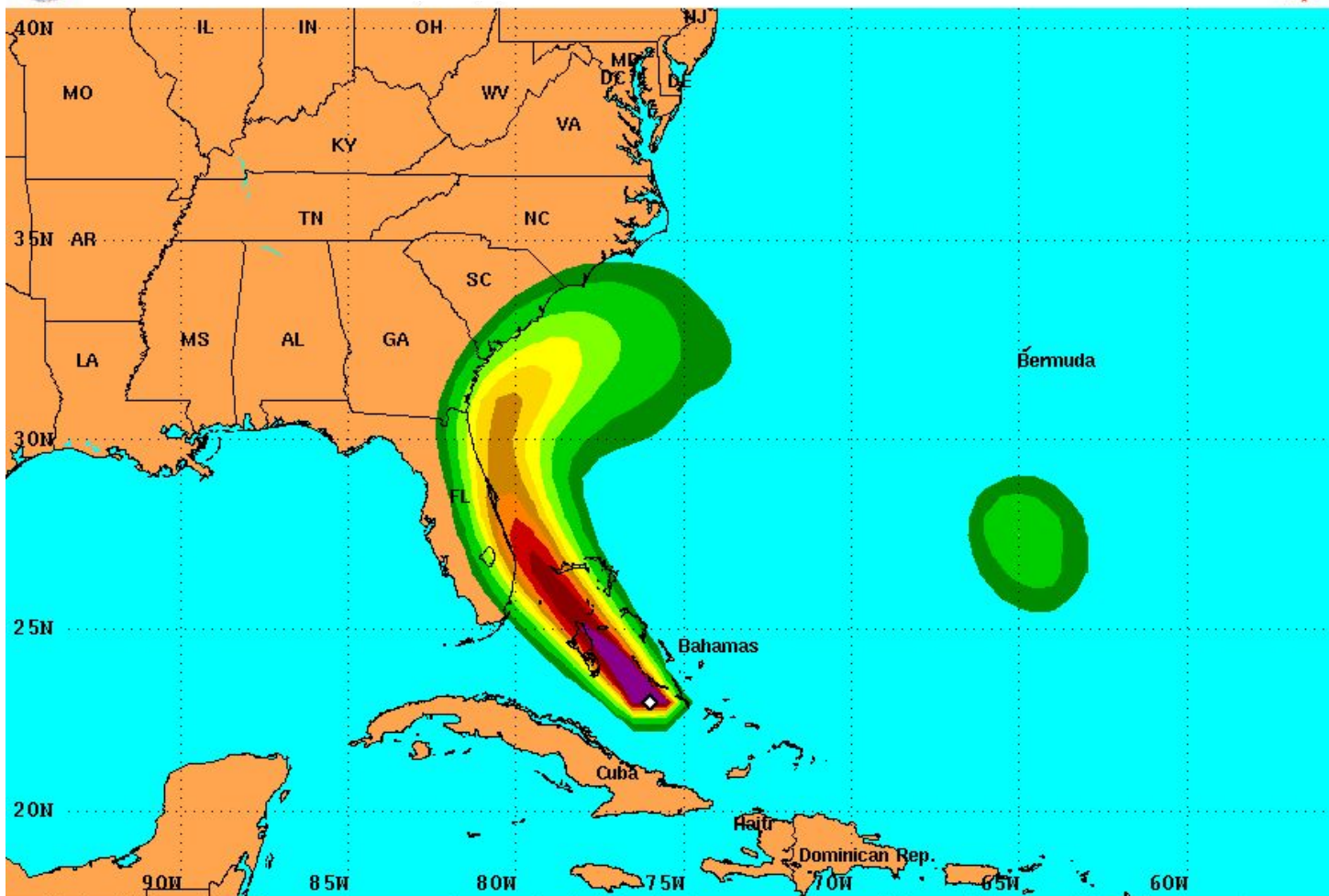


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Hurricane Nico

Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Mon Jul 17 to 2 AM EDT Sat Jul 22



Probability of hurricane force surface winds (1-minute average \geq 74 mph) from all tropical cyclones

◇ Indicates HURRICANE NICO center location at 2 AM EDT Mon Jul 17 2023 (Forecast/Advisory #11)



- Jacksonville, FL 15% (+5%)
- Charleston, SC 15% (\pm 0%)

- Great Exuma, Bah. 100% (+20%)
- San Salvador 0% (\pm 0%)
- Andros 75% (+15%)
- New Providence 80% (+5%)
- Grand Bahama 65% (\pm 0%)

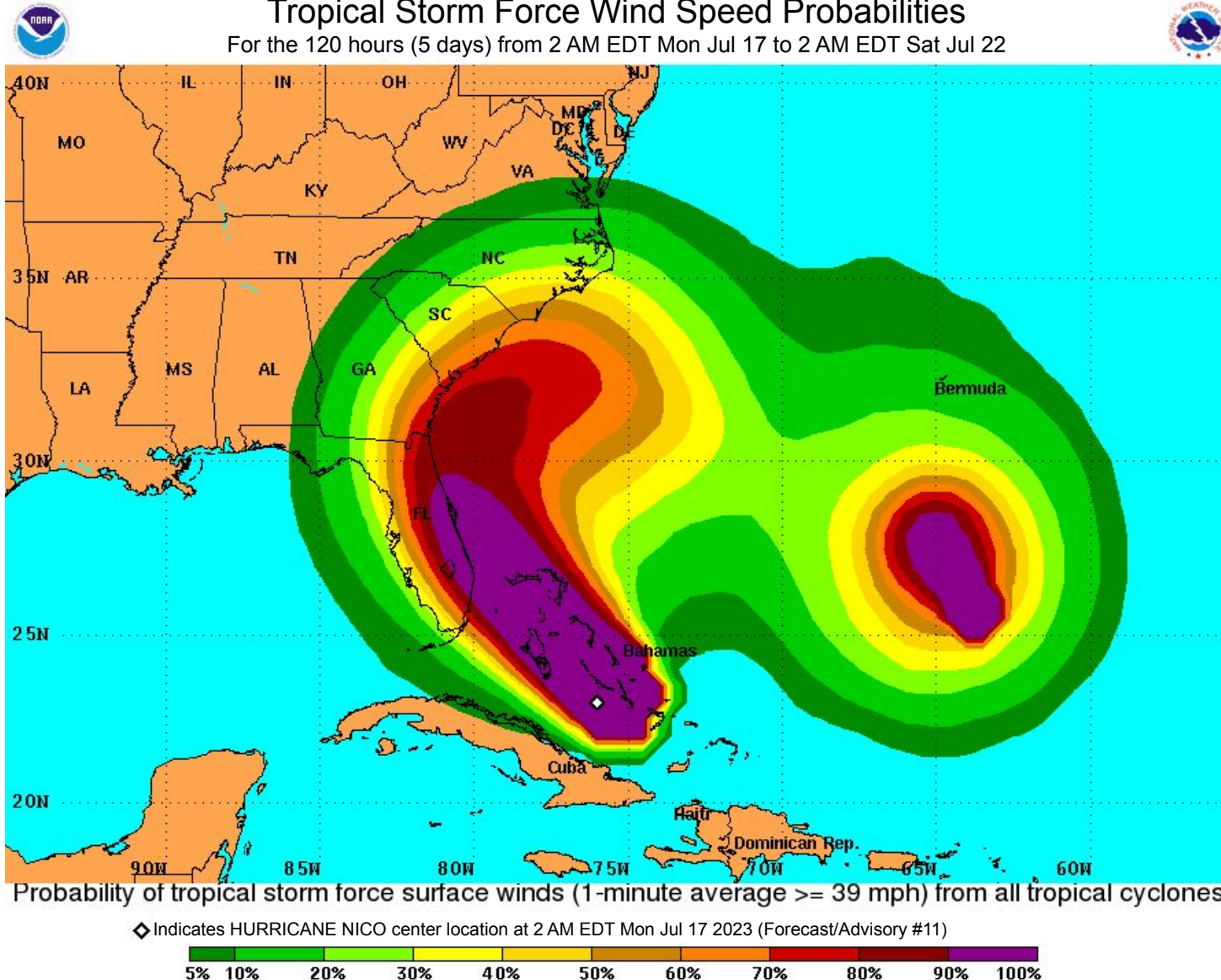
- Probabilities of sustained tropical storm force winds ($>$ 34 kt) over the next 5 days, based off this cyclone's wind radii and track.



Hurricane Nico

Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Mon Jul 17 to 2 AM EDT Sat Jul 22



- Jacksonville, FL Tue afternoon
- Charleston, SC Tue night

- Great Exuma, Bah. Ongoing
- San Salvador Ongoing
- Andros Ongoing
- New Providence Mon 11 AM
- Grand Bahama Mon 3 PM

- Arrival time of sustained tropical storm force winds (>34 kt) based off this cyclone's wind radii and track.

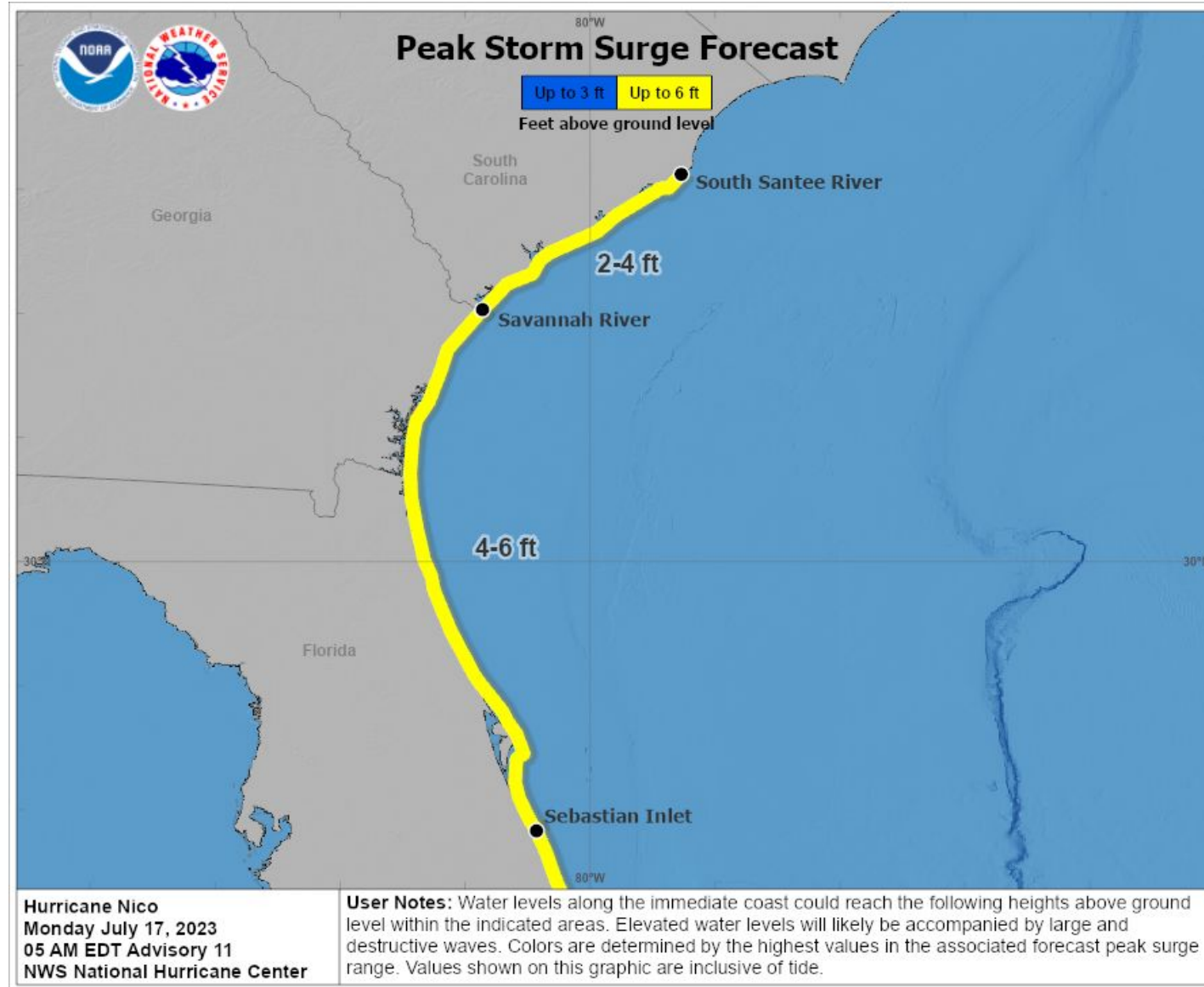
Storm Surge

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Hurricane Nico



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****EXERCISE****

Expected Storm Total Rainfall and Chance of Rainfall Flooding

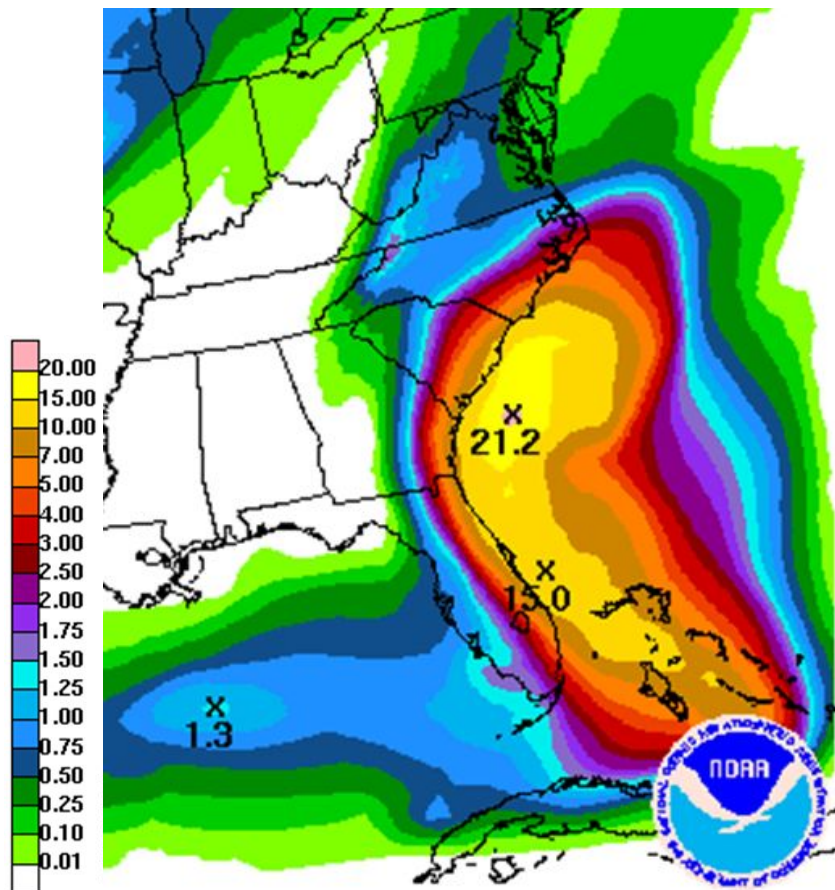
Weather Prediction Center

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Hurricane Nico



Risk of rainfall exceeding flash flood guidance to the right of a line

HIGH: > 15% **SLGT: 5%-10%**
MDT: 10%-15% **MRGL: 2%-5%**

Major rainfall expected for the Atlantic coast of the United States from Central Florida to North Carolina



- Seas could build to **30 ft** in the SW Atlantic with dangerous surf conditions along the east coast of Florida northward into South Carolina

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