

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – Medium

Rainfall/Flash Flooding – Extreme

Tornadoes – Low

Waves - High

**Hurricane Nico
BRIEFING
Tue July 18, 2023 – 4pm EDT**



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NWS National Hurricane Center*



Situation Overview

****EXERCISE****

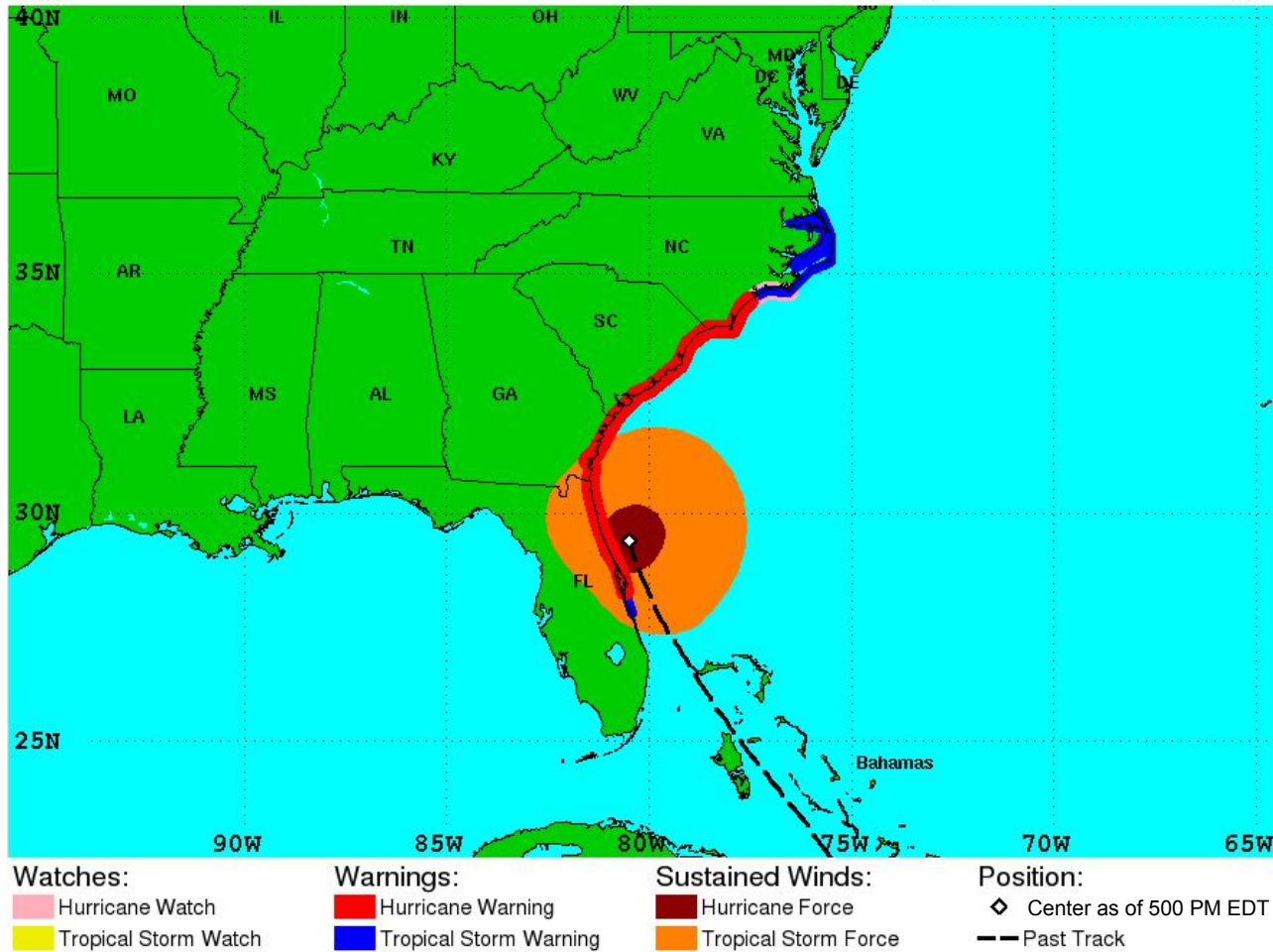


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Hurricane Nico

Surface Wind Field of Hurricane Nico

Sustained Winds as of 500 PM EDT Tue Jul 18, 2023 Advisory Number 17



...Western eyewall of Hurricane Nico brushing portions of the NE coast of Florida...

Summary of 500 PM EDT Information

Location...29.4N 80.5W
About 35 nm ENE of Daytona Beach
About 95 nm SE of Jacksonville
Maximum Sustained Winds...90 kt
Present Movement...NNW at 10 kt

Size
34 kt...160 NE 140 SE 80 SW 180 NW
Seas to 28 ft

****EXERCISE****

****EXERCISE****

Forecast Information

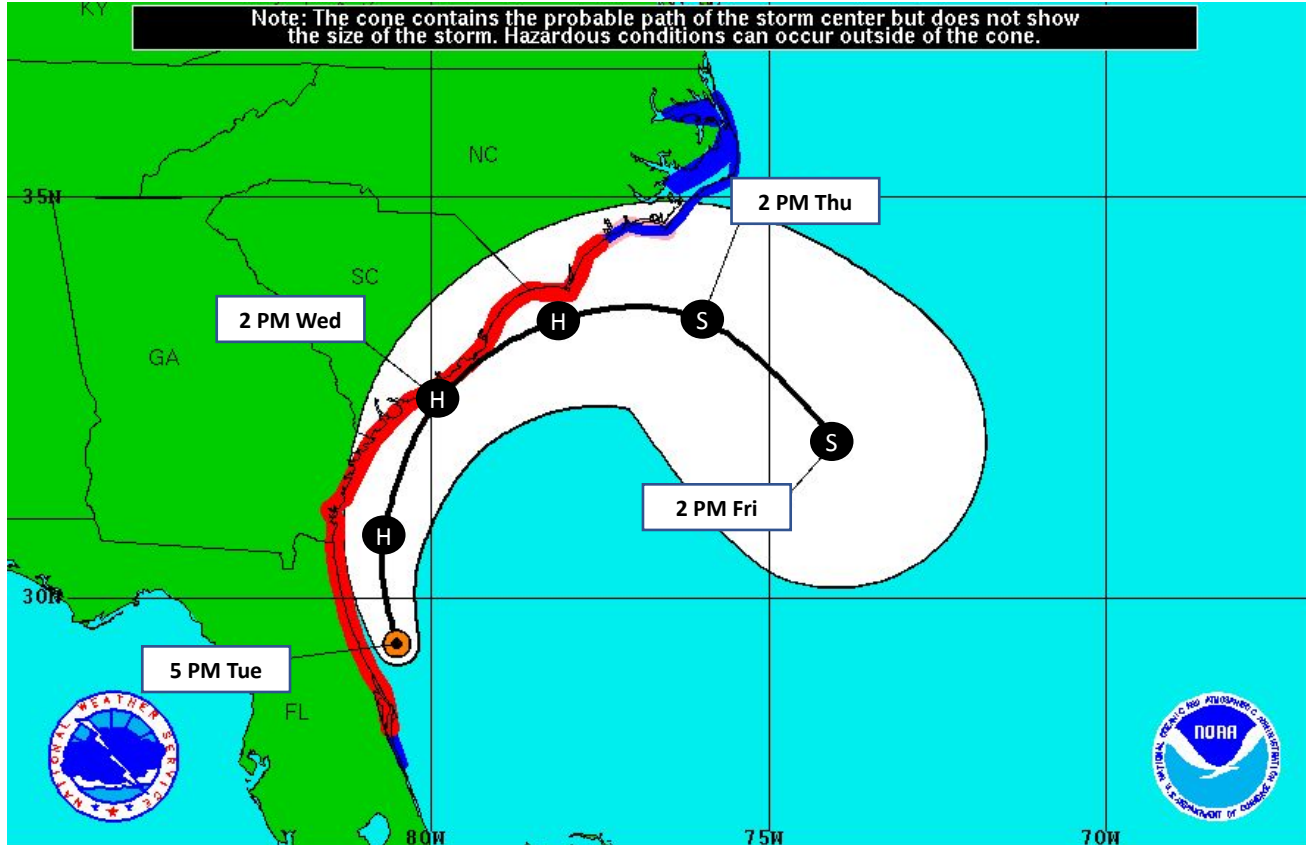
****EXERCISE****



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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.



- **The western eyewall with category 2 winds remains just offshore**
 - **Nico is expected to stay very close to the shore with landfall possible in South Carolina**
 - **No major changes to intensity are expected before a weakening trend on Thursday**
 - **A hurricane warning is in effect for the SE US from Cocoa Beach to Surf City**
 - 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.

Hurricane Nico Tuesday July 18, 2023 5 PM EDT Advisory 17 NWS National Hurricane Center	Current information Center location 29.4 N 80.5 W Maximum sustained wind 105 mph Movement NNW at 12 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	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.

****EXERCISE****

****EXERCISE****

T.S. Wind Speed Probabilities

****EXERCISE****

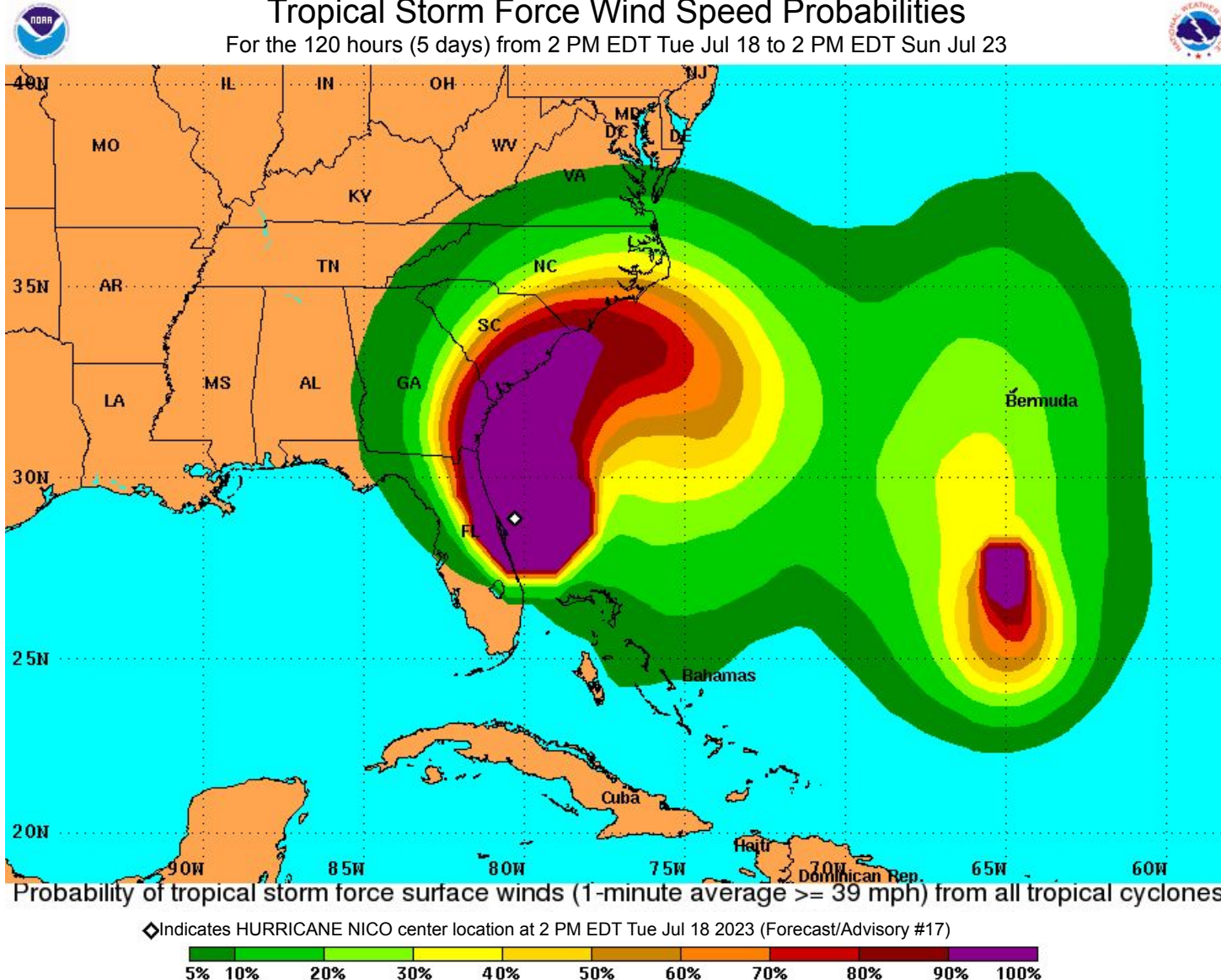


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Hurricane Nico

Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Tue Jul 18 to 2 PM EDT Sun Jul 23



- Jacksonville, FL 95% ($\pm 0\%$)
- Charleston, SC 95% (+15%)

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

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

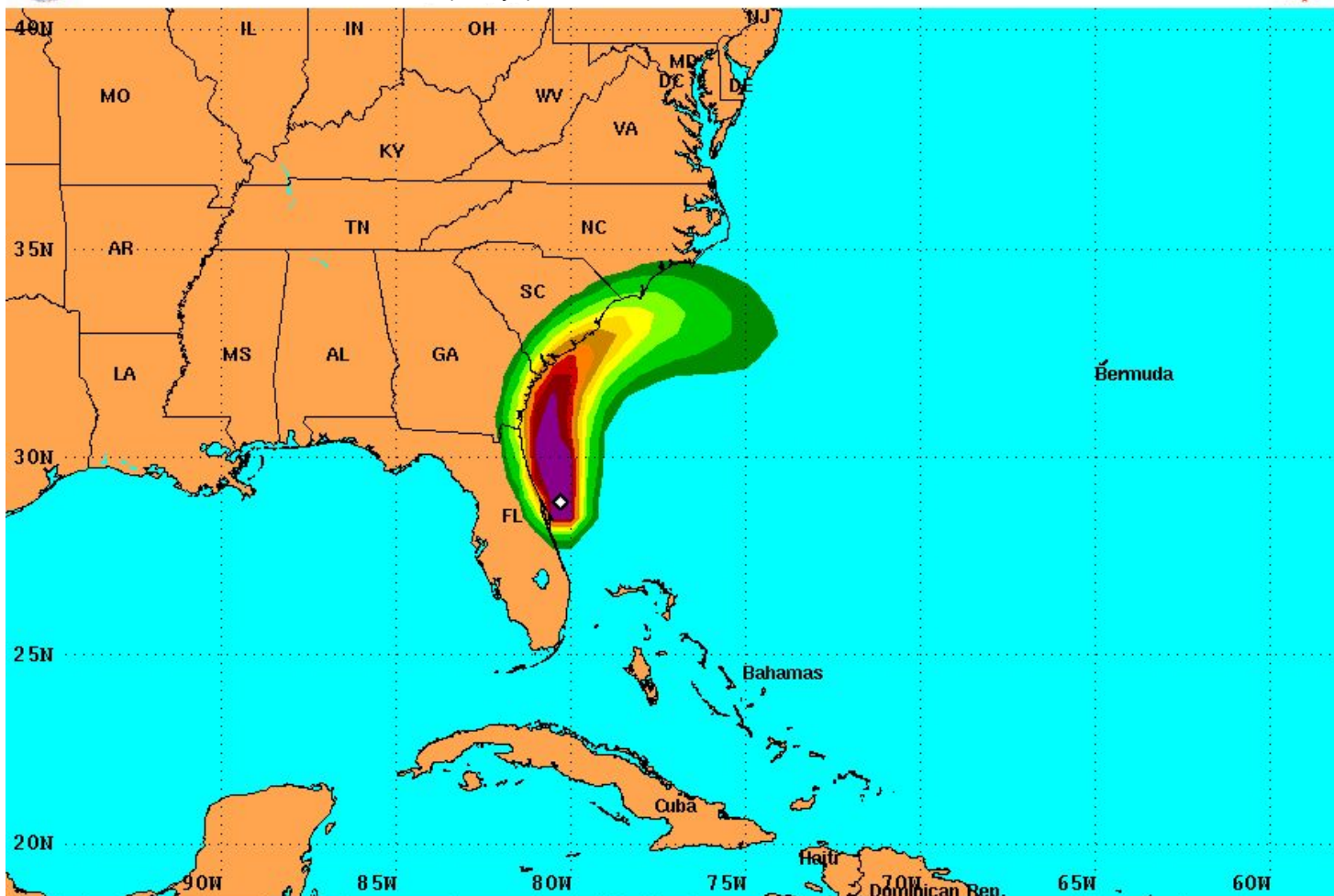


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Hurricane Nico

Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Tue Jul 18 to 2 PM EDT Sun Jul 23



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

◆ Indicates HURRICANE NICO center location at 2 PM EDT Tue Jul 18 2023 (Forecast/Advisory #17)



- Jacksonville, FL 20% (-10%)
- Charleston, SC 45% (+20%)

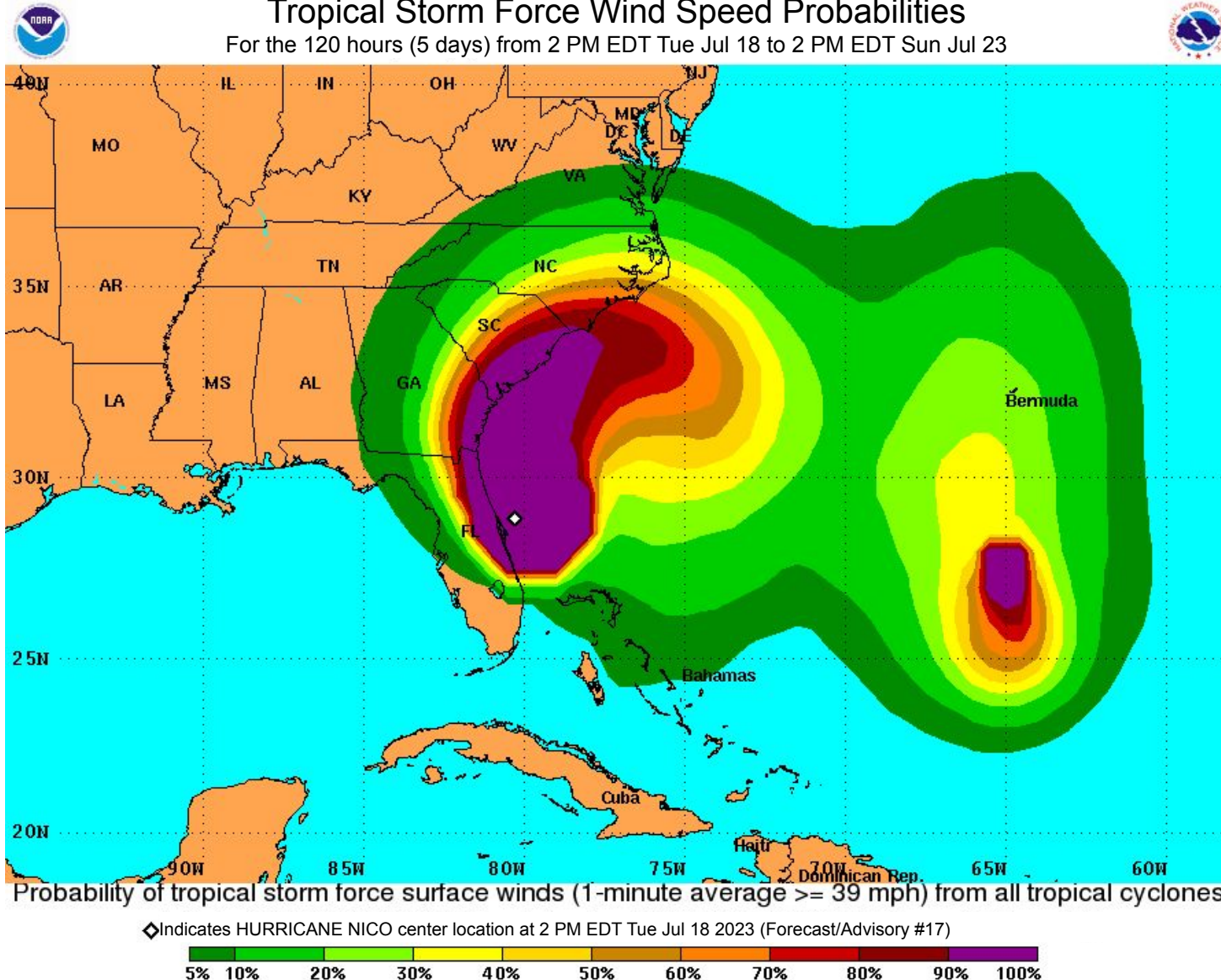
- Probabilities of sustained tropical storm force winds (>34 kt) over the next 5 days, based off this cyclone's wind radii and track.



Hurricane Nico

Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Tue Jul 18 to 2 PM EDT Sun Jul 23



- Jacksonville, FL
- Charleston, SC

Ongoing
Wed 2 AM

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

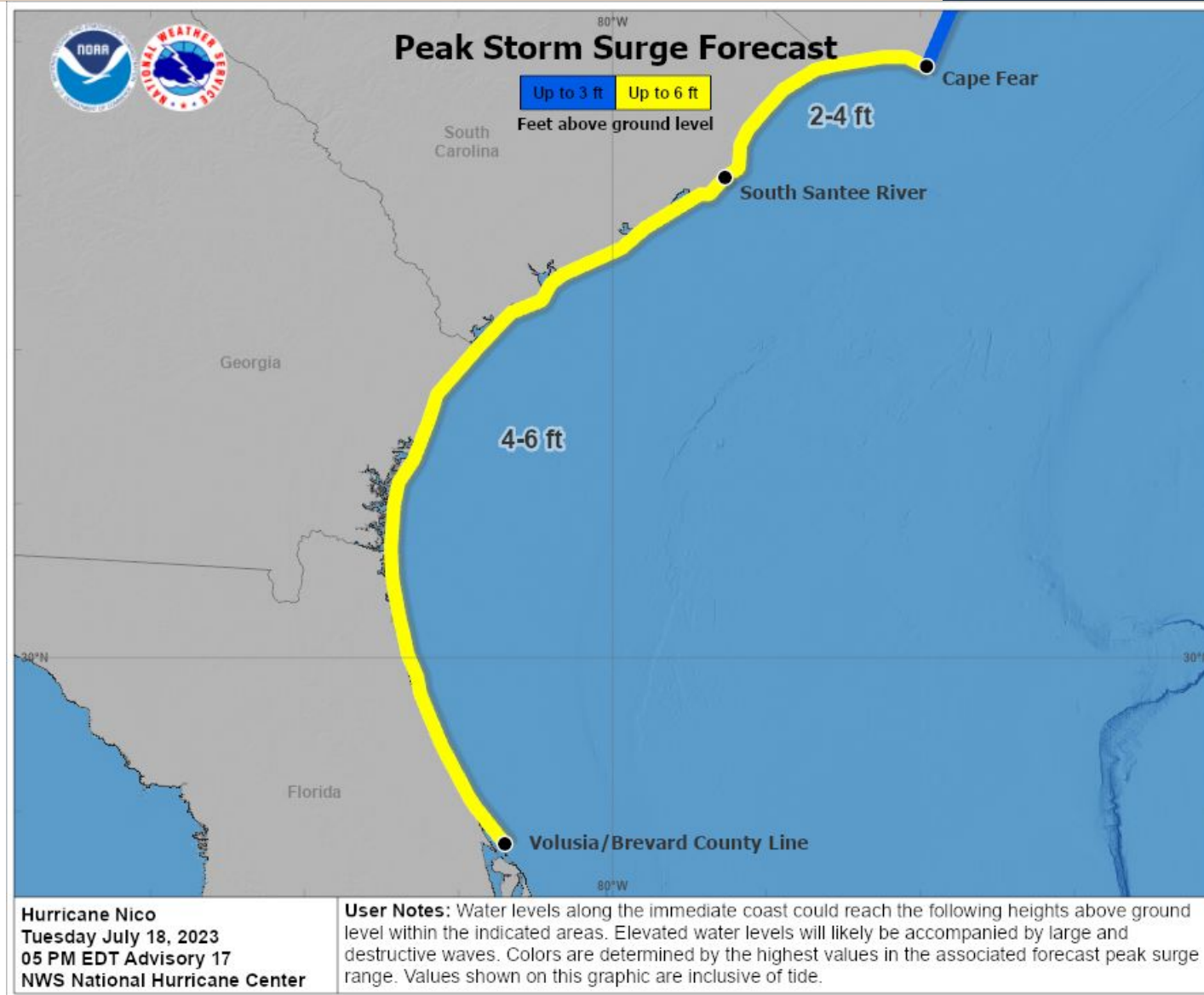
Storm Surge

****EXERCISE****



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Hurricane Nico



****EXERCISE****

****EXERCISE****

Expected Storm Total Rainfall and Chance of Rainfall Flooding

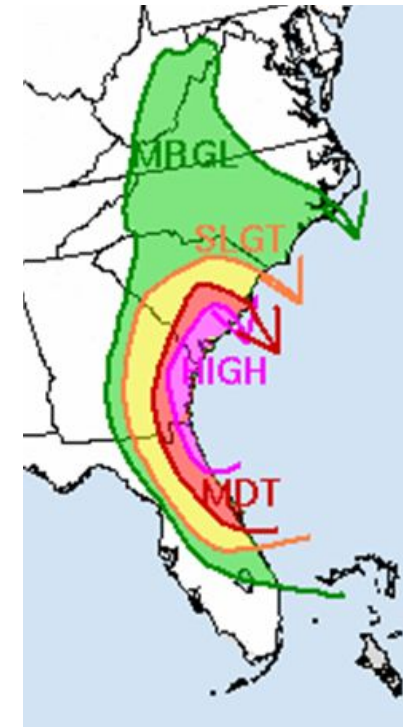
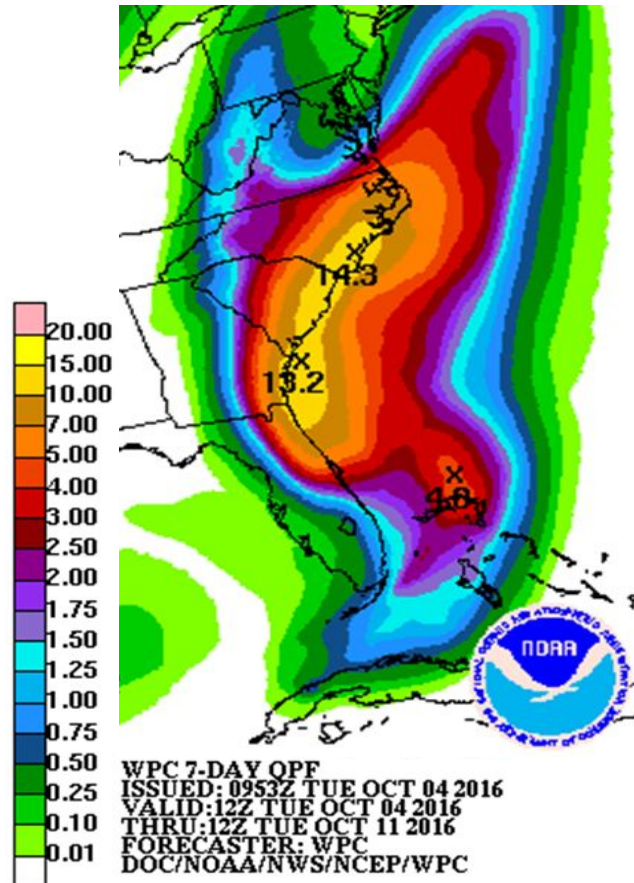
Weather Prediction Center

****EXERCISE****



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NWS National Hurricane Center

Hurricane Nico



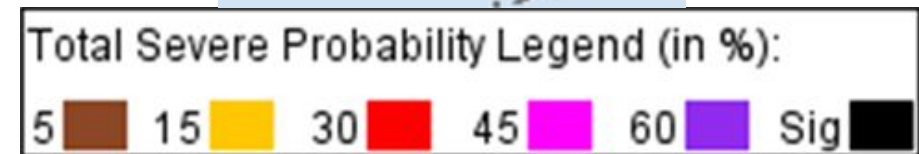
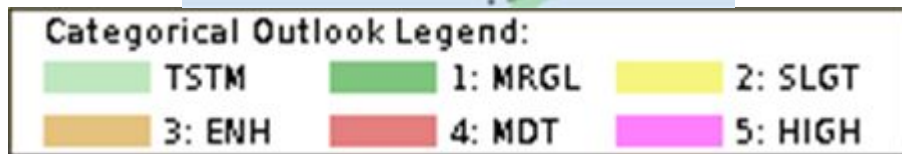
Risk of rainfall exceeding flash flood guidance to the right of a line

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

Major rainfall (6-14" with locally higher amounts) expected for the Atlantic coast of the United States from northeast Florida to North Carolina. This rainfall may result in life-threatening flooding and flash flooding.



Hurricane Nico



Day 1-2
(Today through Wed night)



Hurricane Nico

- Seas near **30 ft** expected in the SW Atlantic with dangerous surf conditions across the NE Florida coast northward into the North Carolina coast

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