

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – Medium

Rainfall/Flash Flooding – Extreme

Tornadoes – Low

Waves - High

**Hurricane Nico
BRIEFING
Wed July 19, 2023 – 9am EDT**



Prepared by:

Dylan Flynn

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



Situation Overview

****EXERCISE****

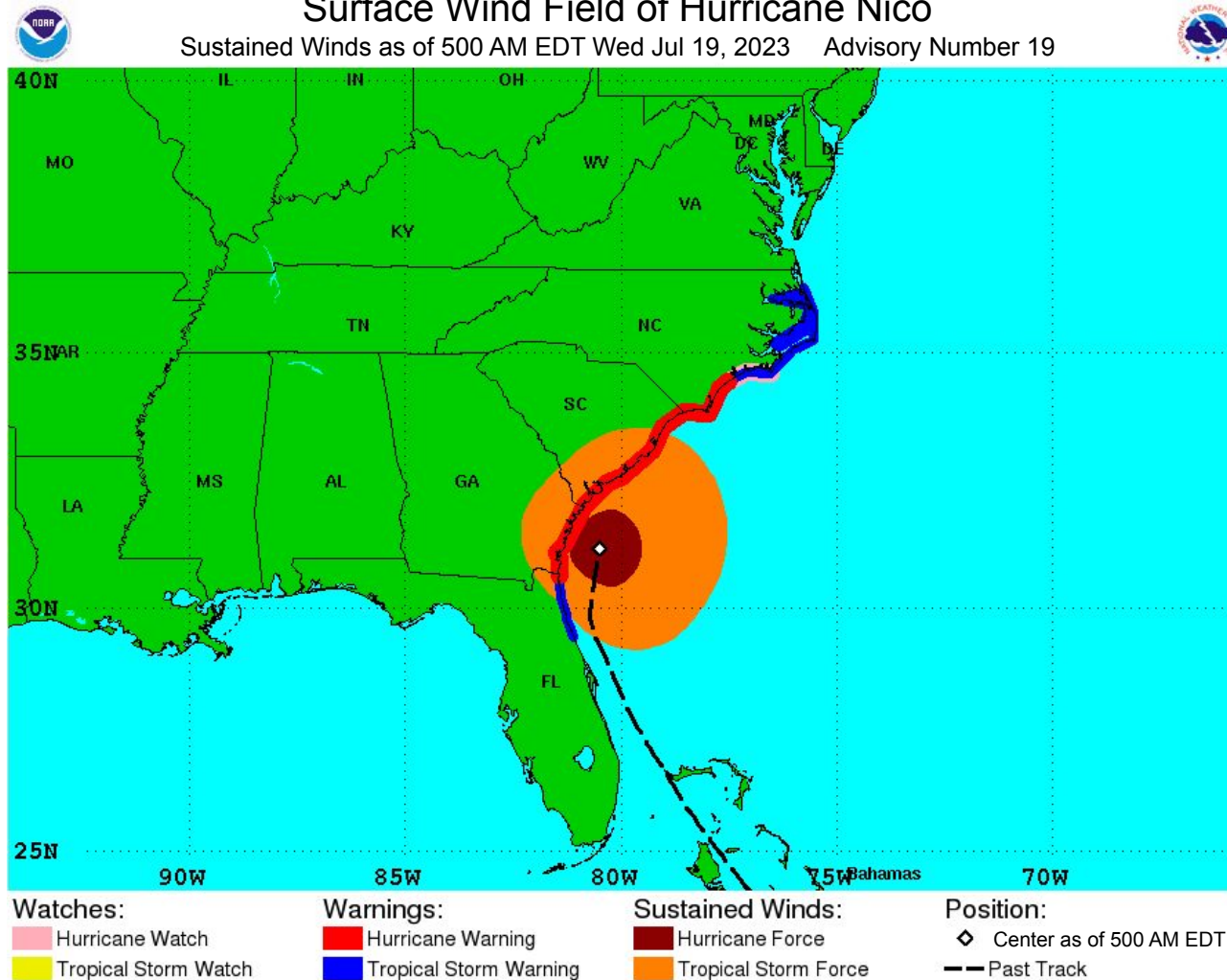


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Nico

Surface Wind Field of Hurricane Nico

Sustained Winds as of 500 AM EDT Wed Jul 19, 2023 Advisory Number 19



...Eye of Hurricane Nico continuing northward just off the coast of Georgia...

Summary of 500 AM EDT Information

Location...31.2N 80.5W
About 70 nm SSE of Savannah, Georgia
About 115 nm SSW of Charleston, SC
Maximum Sustained Winds...90 kt
Present Movement...N at 10 kt

Size
34 kt...160 NE 140 SE 80 SW 100 NW
Seas to 30 ft

****EXERCISE****

Forecast Information

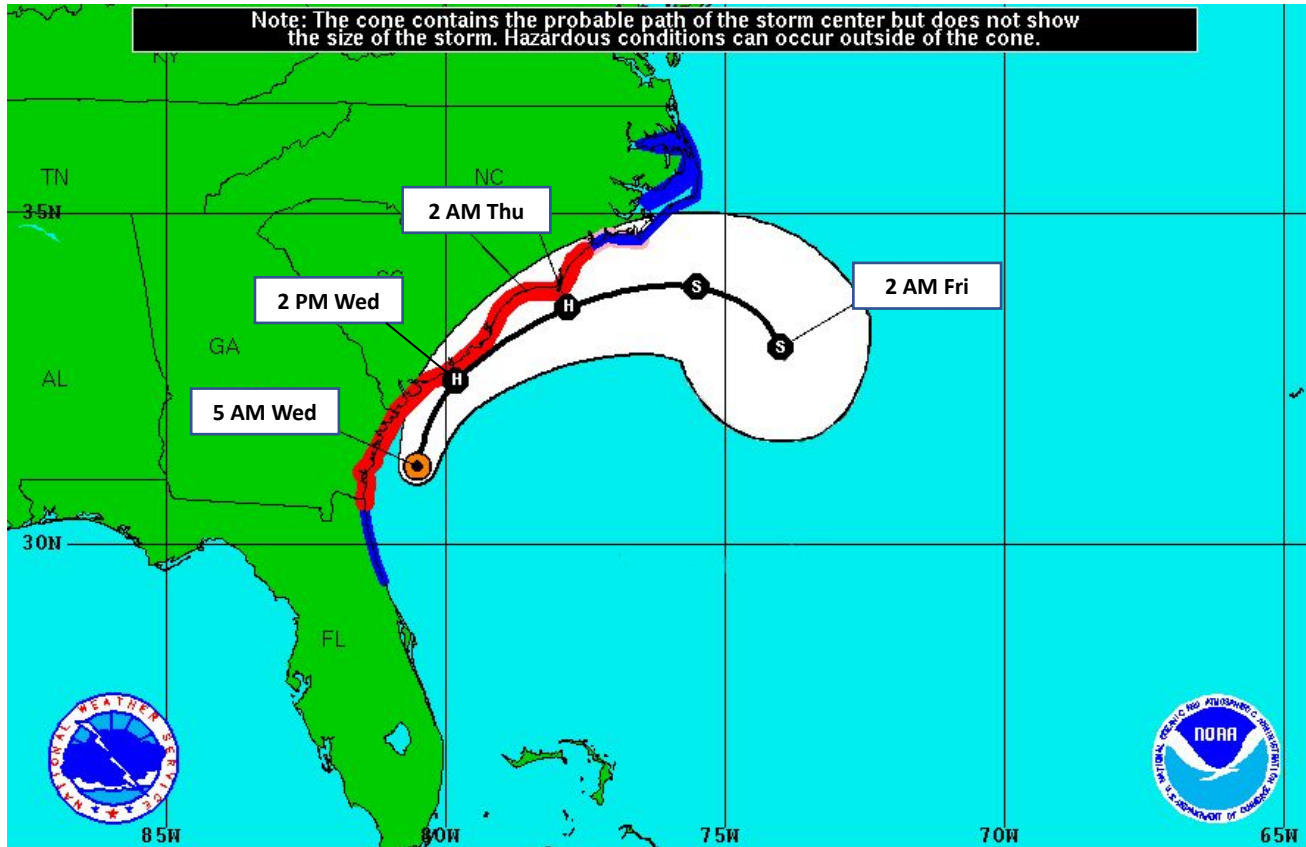
****EXERCISE****



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

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 will move near the coast of Georgia tonight, and near or over the coast of South Carolina later tonight**
- **Weakening is forecast for the next 48 hours, although Nico may remain a hurricane into Thursday**
- **A hurricane warning is in effect for the SE US north of Fernandina Beach to Surf City**
- Current center forecast positions through the next 5 days illustrated by dots
- White swatch 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.

Hurricane Nico Wednesday July 19, 2023 5 AM EDT Advisory 19 NWS National Hurricane Center	Current information Center location 31.2 N 80.5 W Maximum sustained wind 105 mph Movement N 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.

T.S. Wind Speed Probabilities

****EXERCISE****

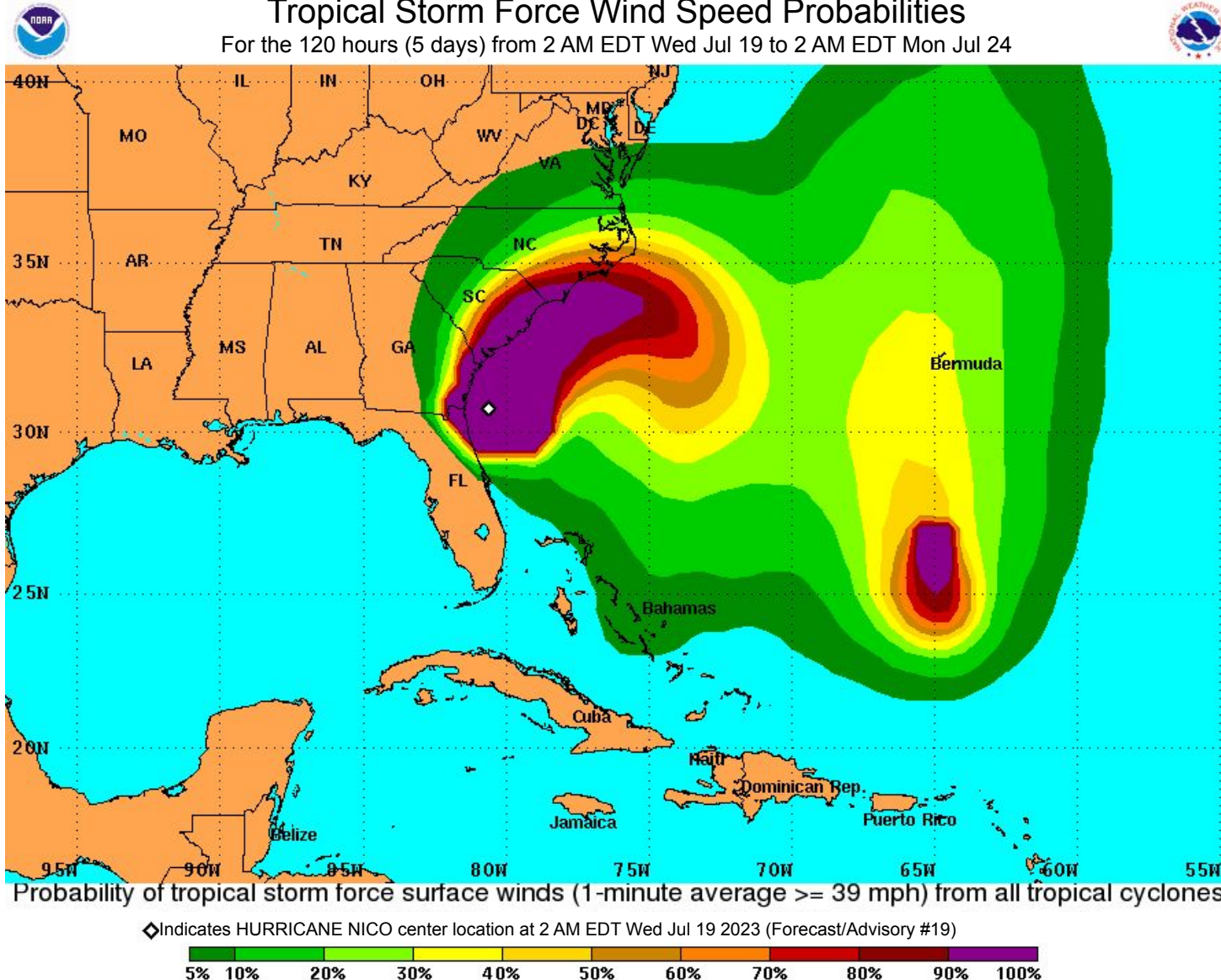


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Nico

Tropical Storm Force Wind Speed Probabilities

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



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

- 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****

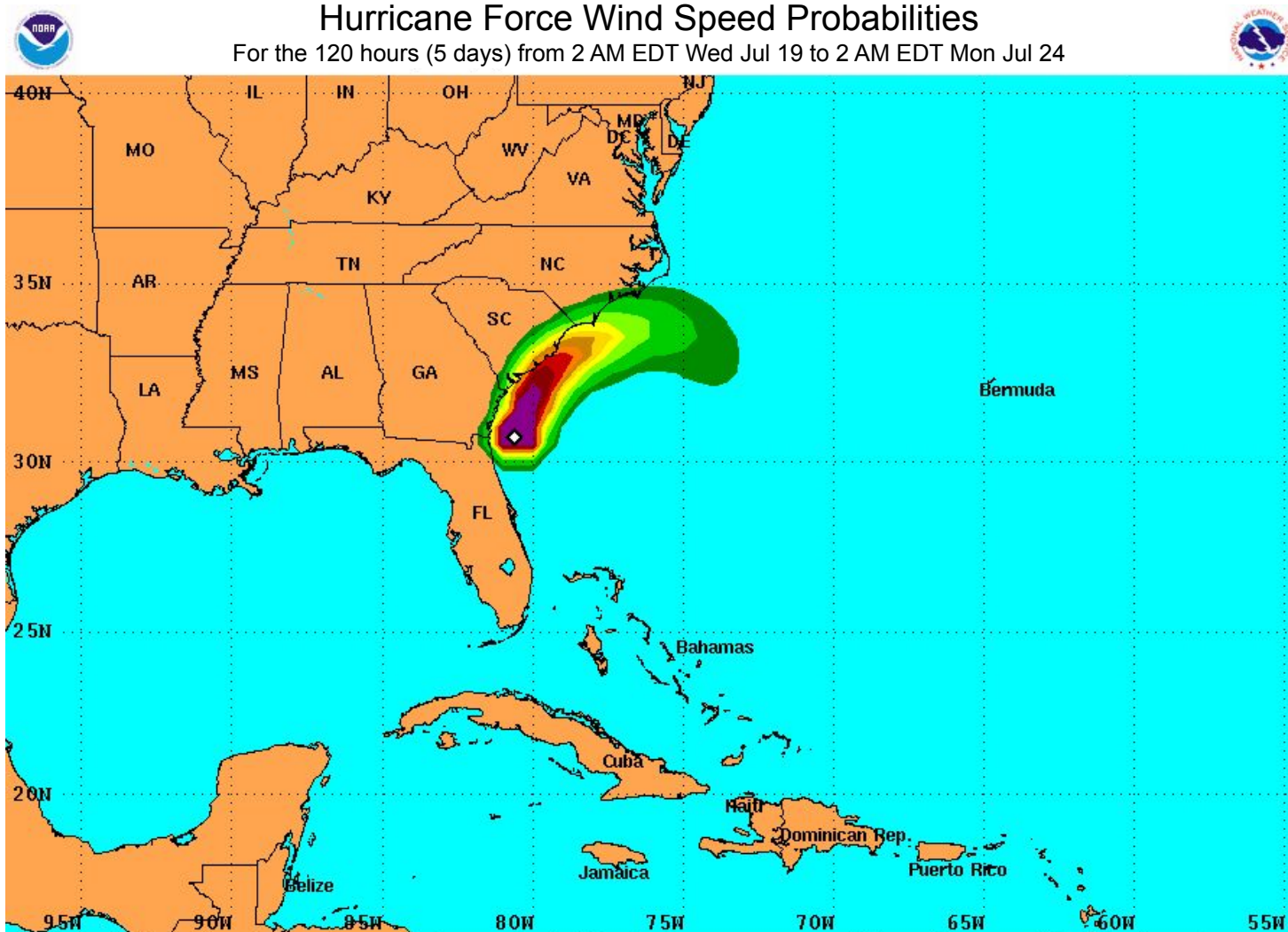


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Nico

Hurricane Force Wind Speed Probabilities

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



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

◆ Indicates HURRICANE NICO center location at 2 AM EDT Wed Jul 19 2023 (Forecast/Advisory #19)



- Jacksonville, FL 0% (-20%)
- Charleston, SC 50% (+5%)

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

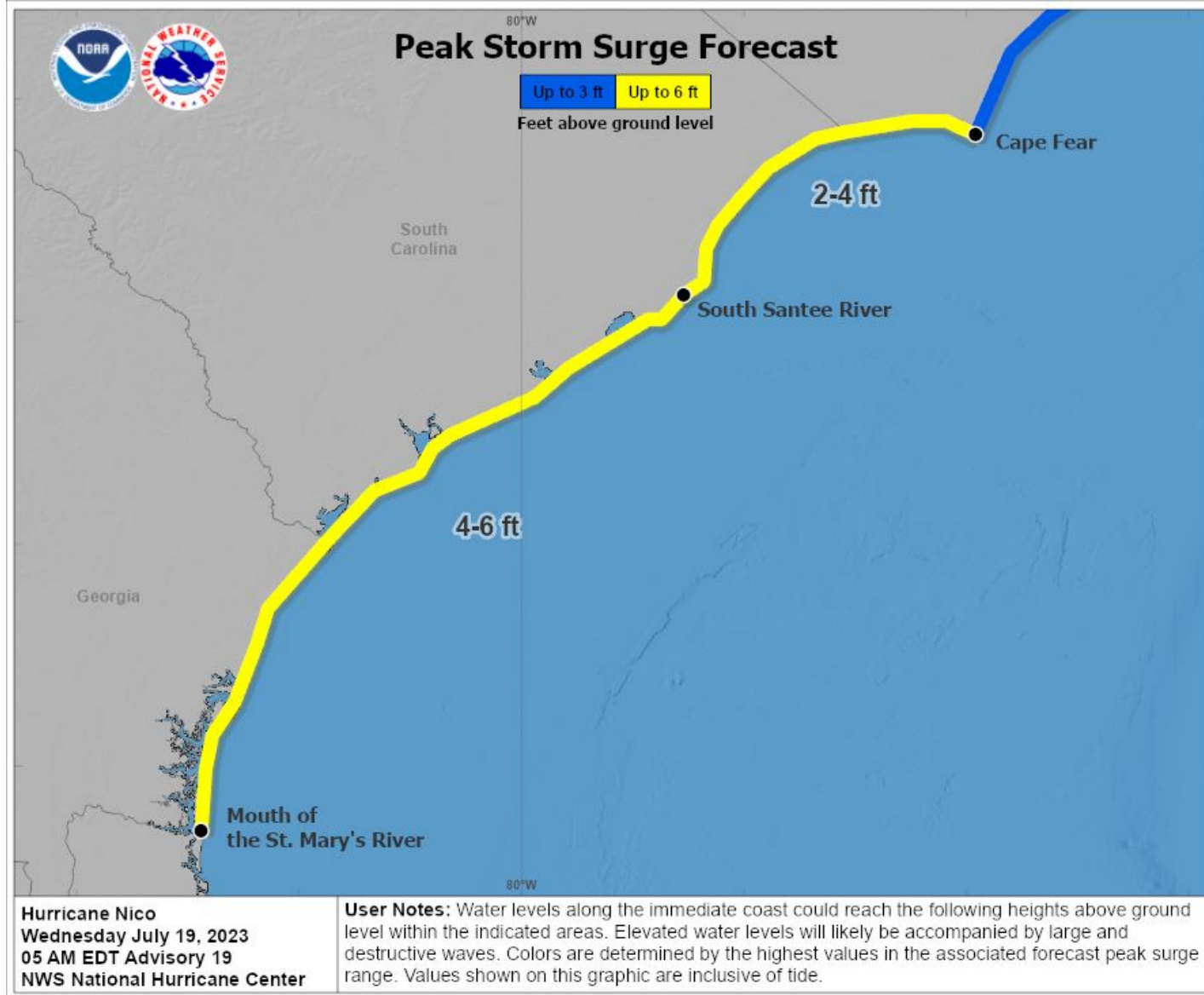
Storm Surge

****EXERCISE****



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Nico



****EXERCISE****

****EXERCISE****

Expected Storm Total Rainfall and Chance of Rainfall Flooding

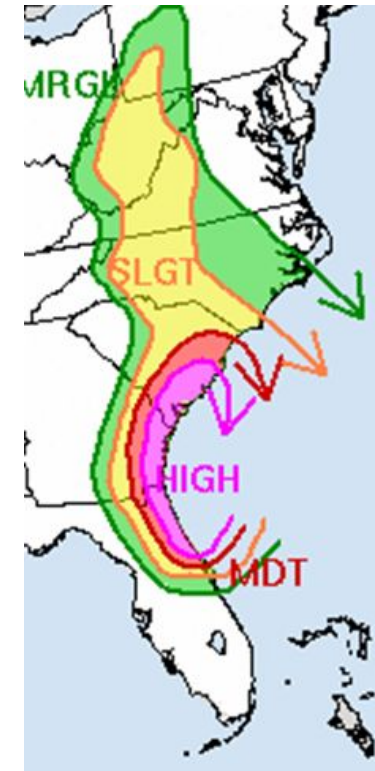
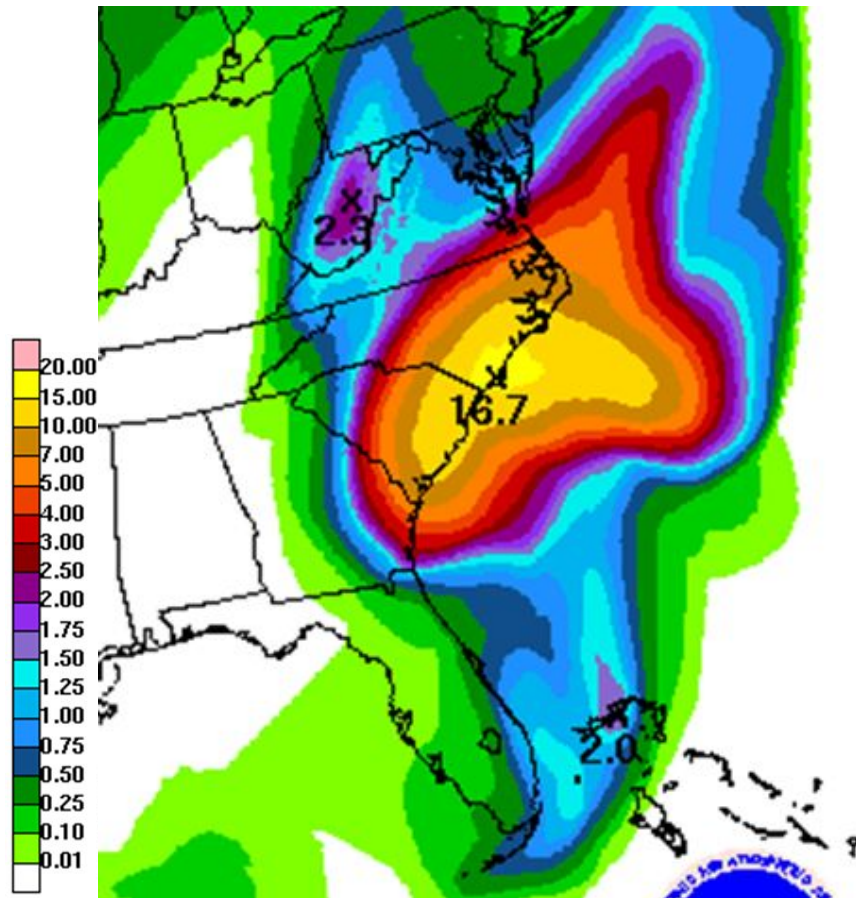
Weather Prediction Center

****EXERCISE****



Tropical Analysis and Forecast Branch
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 expected (8-16" with locally higher amounts) for the Atlantic coast of the United States from coastal Georgia to North Carolina. This rainfall may result in life-threatening flooding and flash flooding.

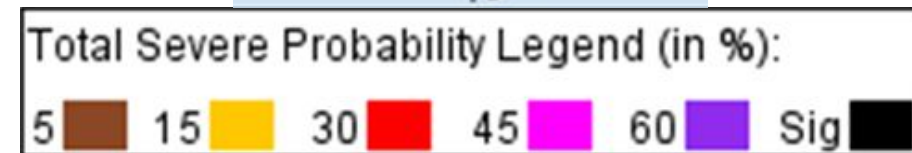
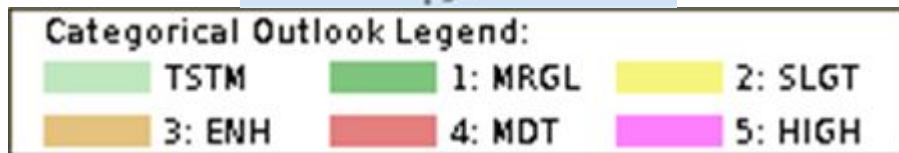
****EXERCISE****

www.nhc.noaa.gov

****EXERCISE****



Hurricane Lisa



Day 1
(Through tonight)



Hurricane Nico

- Seas will begin to improve across the NE Florida coast
- Seas will continue to be near **30 ft** along with dangerous surf conditions from Georgia to North Carolina

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – Medium

Rainfall/Flash Flooding – Extreme

Tornadoes – Low

Waves - High