

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 – 9am EDT**



Prepared by:

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NWS National Hurricane Center*



Situation Overview

****EXERCISE****

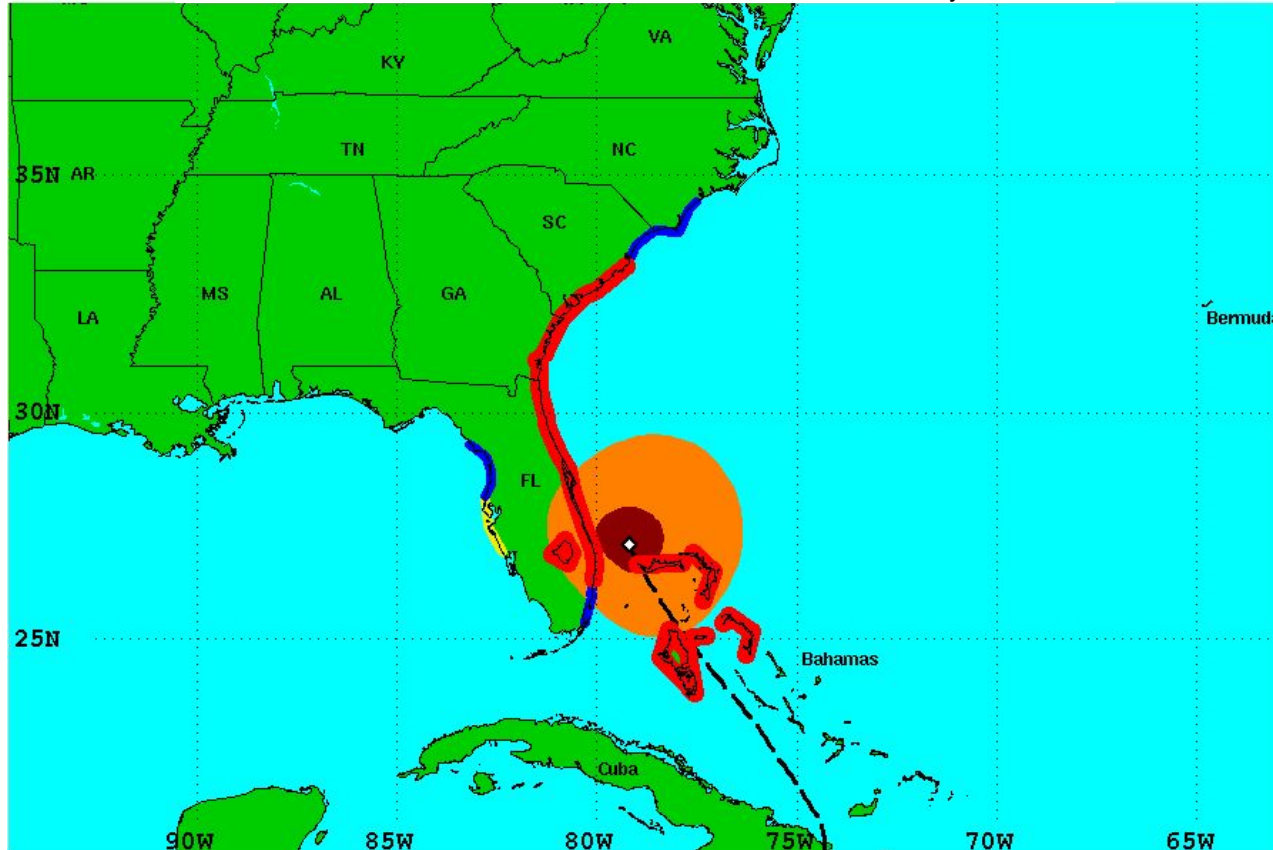


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Hurricane Nico

Surface Wind Field of Hurricane Nico

Sustained Winds as of 500 AM EDT Tue Jul 18, 2023 Advisory Number 15



- | | | | |
|----------------------|------------------------|-------------------------|-------------------------|
| 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 |

...Hurricane Nico moving away from the Bahamas and toward the east coast of Florida...

Summary of 500 AM EDT Information

Location...27.1N 79.2W
About 50 nm WNW of Freeport, Bah.
About 125 nm SE of Cape Canaveral
Maximum Sustained Winds...65 kt
Present Movement...NW at 11 kt

Size
34 kt...160 NE 140 SE 90 SW 120 NW
Seas to 26 ft

****EXERCISE****

****EXERCISE****

Forecast Information

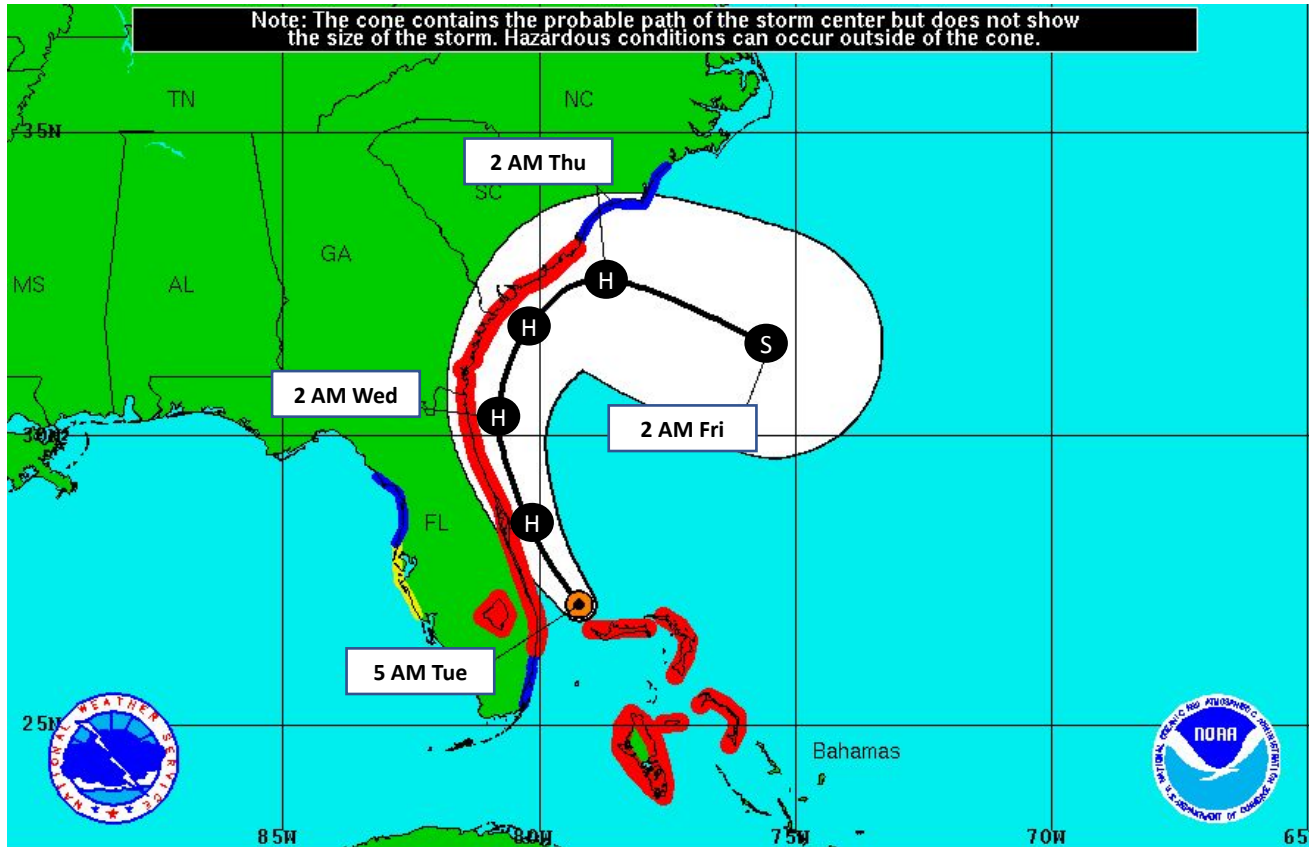
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Hurricane Nico

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.



- **The center of Nico has left the Bahamas and begun to strengthen over the warm waters of the Gulf Stream**
 - **Track guidance has shifted slightly east, though a direct Florida landfall remains a distinct possibility**
 - **Gradual strengthening is expected to continue**
 - **A hurricane warning is in effect for the SE US from Boca Raton to South Santee River**
 - 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.

Hurricane Nico Tuesday July 18, 2023 5 AM EDT Advisory 15 NWS National Hurricane Center	Current information Center location 27.1 N 79.2 W Maximum sustained wind 90 mph Movement NW at 13 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****

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T.S. Wind Speed Probabilities

****EXERCISE****

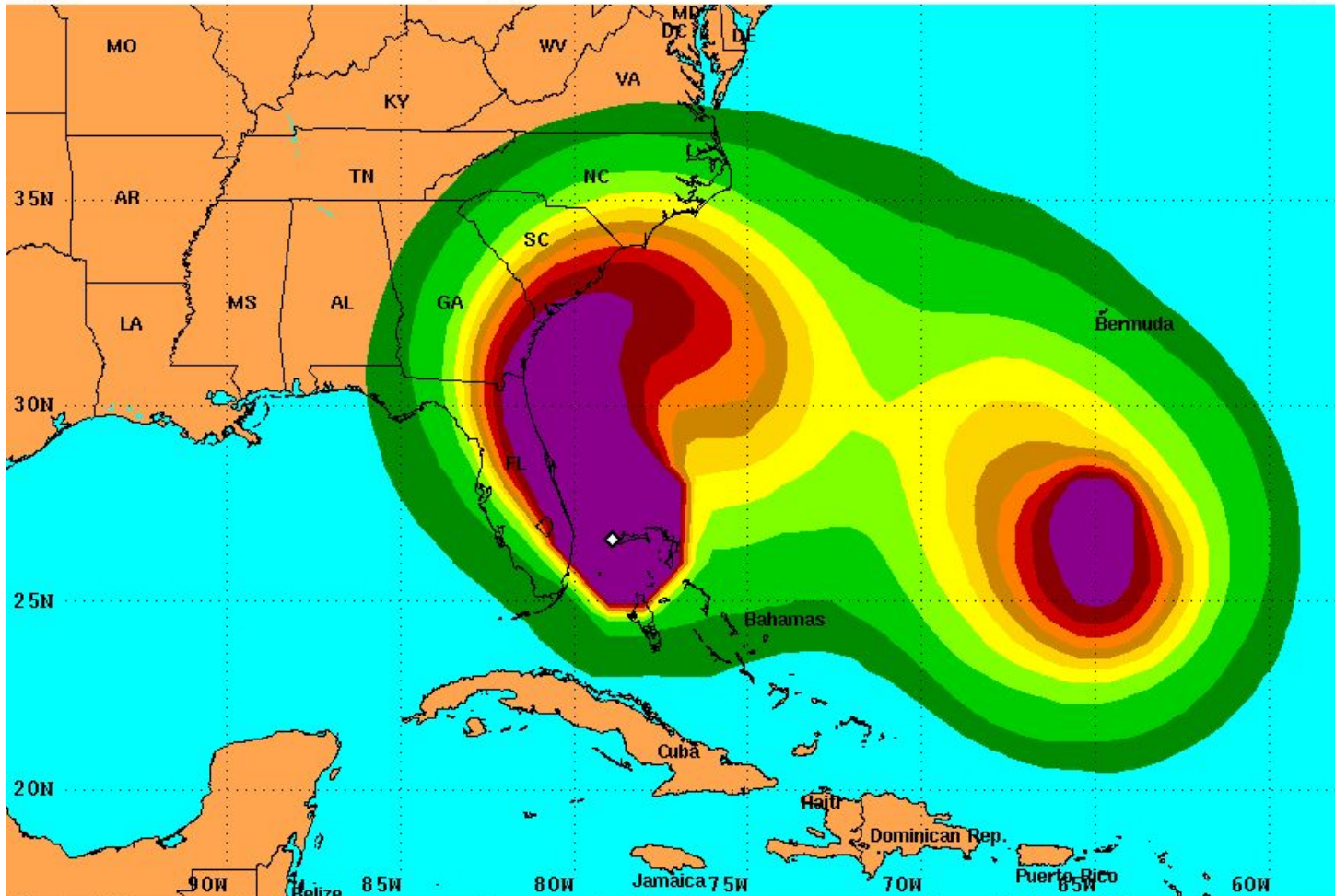


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Hurricane Nico

Tropical Storm Force Wind Speed Probabilities

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



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

◆ Indicates HURRICANE NICO center location at 2 AM EDT Tue Jul 18 2023 (Forecast/Advisory #15)



- Jacksonville, FL 95% (+10%)
- Charleston, SC 80% (+10%)
- 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****

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

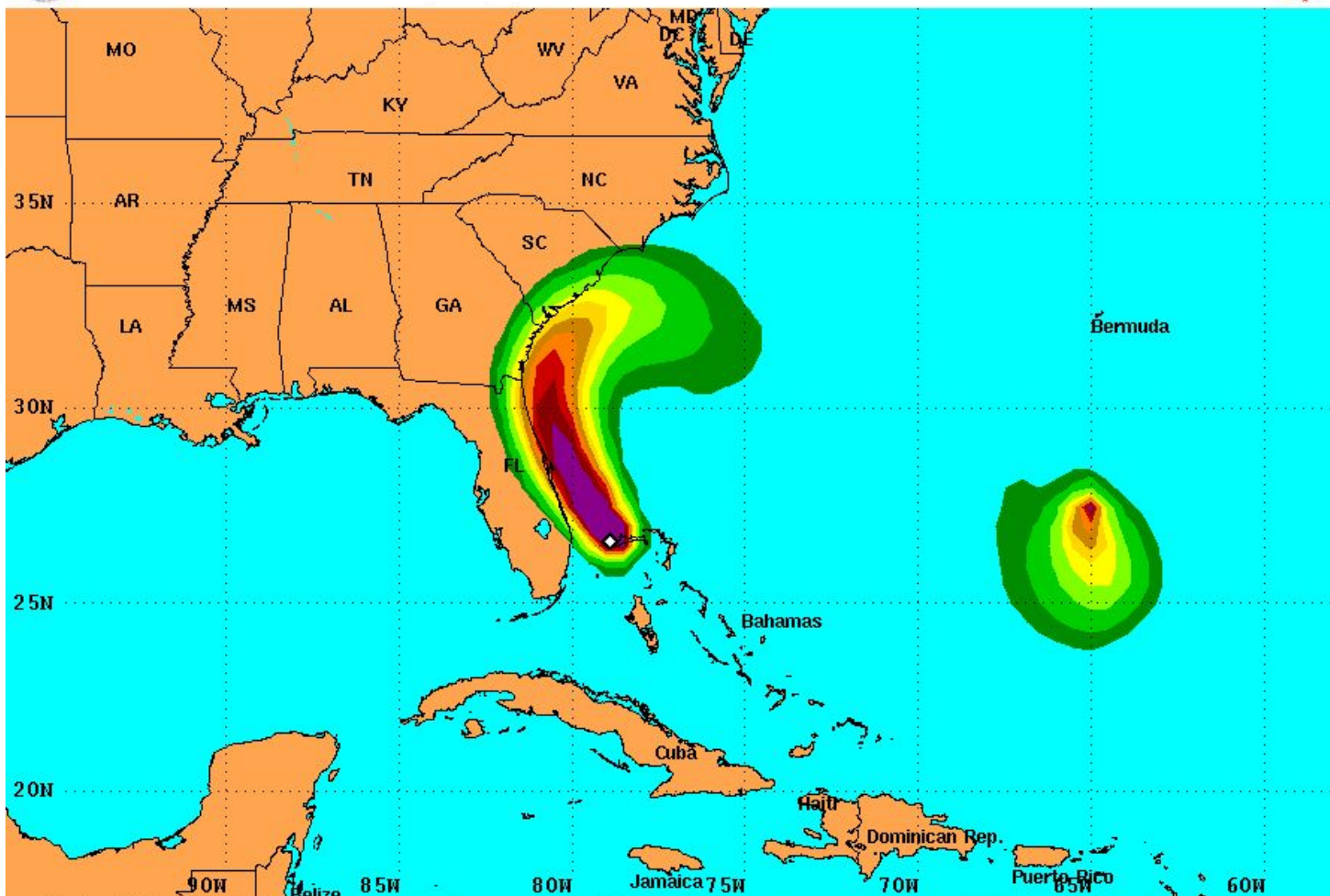


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Hurricane Nico

Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Tue Jul 18 to 2 AM 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 AM EDT Tue Jul 18 2023 (Forecast/Advisory #15)



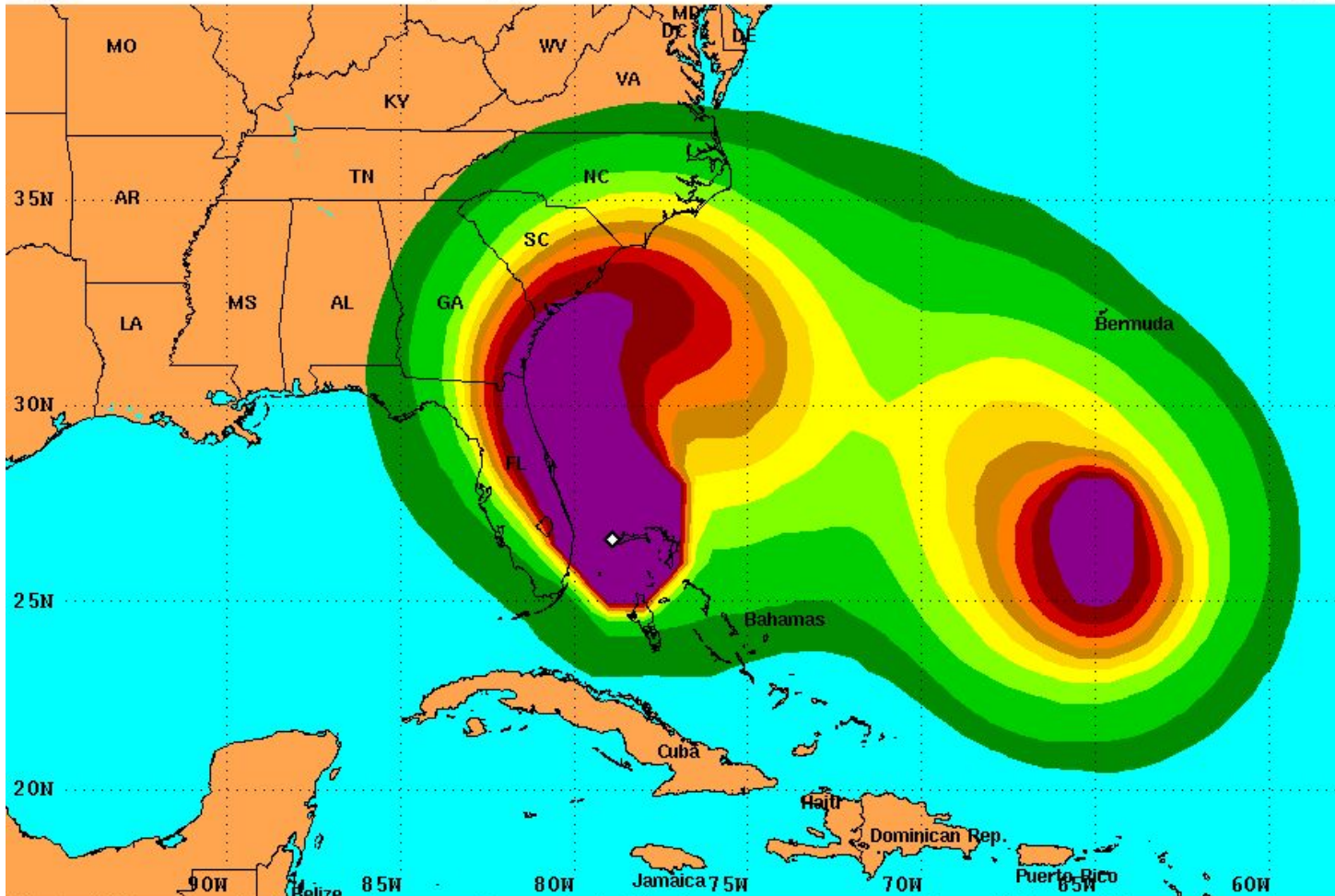
- Jacksonville, FL 30% (+5%)
- Charleston, SC 25% (+10%)
- Grand Bahama 100% (+15%)
- Probabilities of sustained tropical storm force winds (>34 kt) over the next 5 days, based off this cyclone's wind radii and track.



Hurricane Nico

Tropical Storm Force Wind Speed Probabilities

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



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

◆ Indicates HURRICANE NICO center location at 2 AM EDT Tue Jul 18 2023 (Forecast/Advisory #15)



- Jacksonville, FL Tue 2 PM
- Charleston, SC Wed 2 AM

- Grand Bahama Ongoing

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

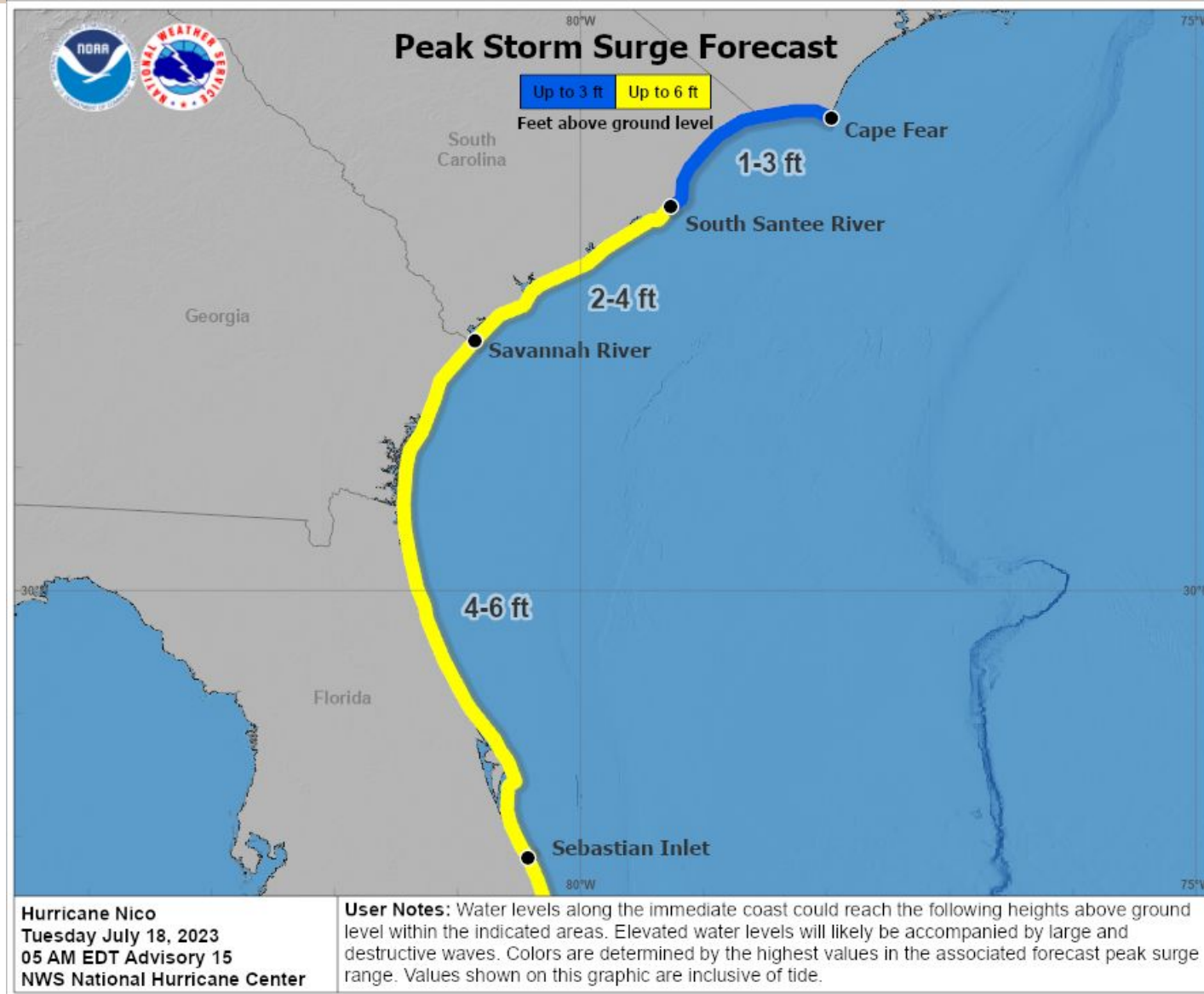
Storm Surge

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Hurricane Nico



****EXERCISE****

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Expected Storm Total Rainfall and Chance of Rainfall Flooding

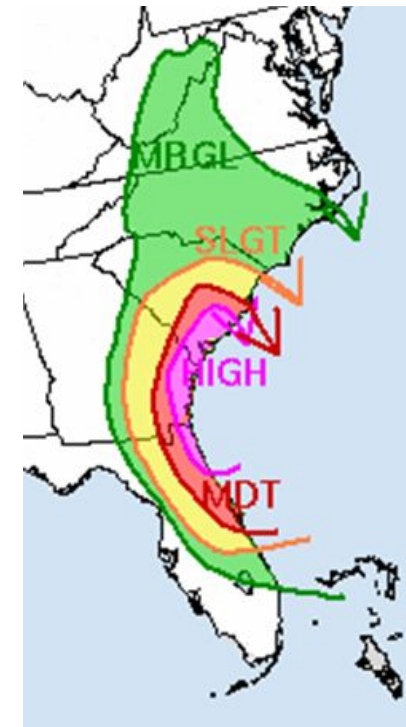
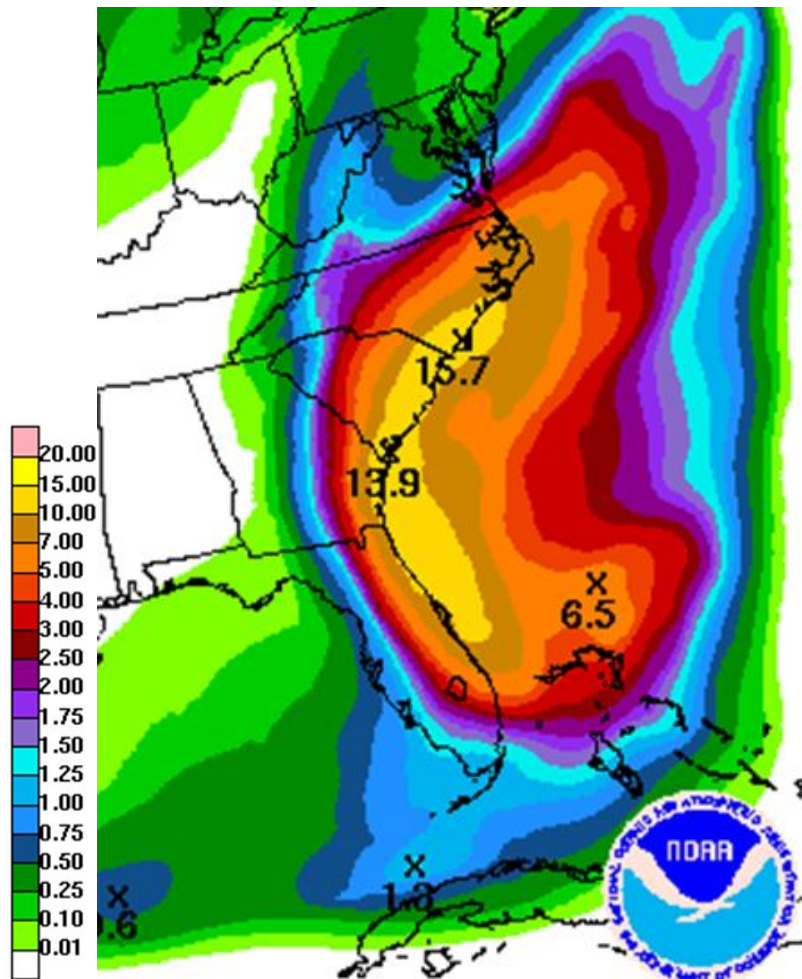
Weather Prediction Center

****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 expected for the Atlantic coast of the United States from Central Florida to North Carolina. This rainfall may result in life-threatening flooding and flash flooding.

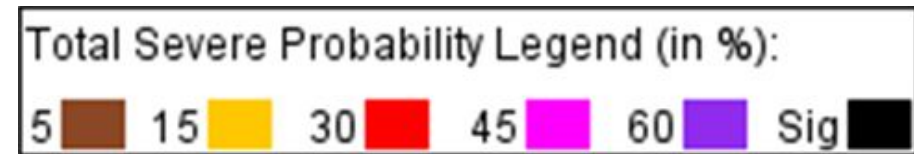
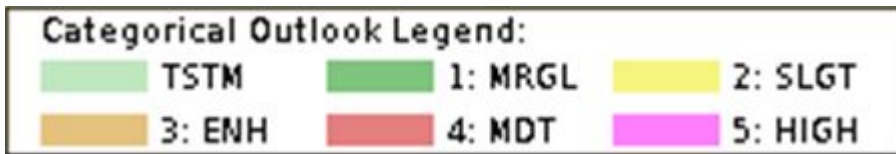
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www.nhc.noaa.gov

****EXERCISE****



Hurricane Lisa





- Seas near **30 ft** expected in the SW Atlantic with dangerous surf conditions along the central and northeast Florida coast northward into the North Carolina coast

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