

**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 – 5pm EDT**



Prepared by:

**Dylan Flynn**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



# Situation Overview

**\*\*EXERCISE\*\***



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NWS National Hurricane Center

## Hurricane Nico

### Surface Wind Field of Hurricane Nico

Sustained Winds as of 500 PM EDT Mon Jul 17, 2023 Advisory Number 13



**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 PM EDT  
--- Past Track

**...Hurricane Nico maintaining intensity heading for Florida...**

### Summary of 500 PM EDT Information

Location...25.1N 77.8W  
About 25 nm WNW of Nassau  
About 180 nm SE of West Palm Beach  
Maximum Sustained Winds...65 kt  
Present Movement...NW at 12 kt

Size  
34 kt...140 NE 130 SE 70 SW 100 NW  
Seas to 24 ft

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# 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 currently impacting the NW Bahamas enroute to Florida
- 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 the SE US from north of Golden Beach to Edisto Beach South Carolina
- 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

<b>Hurricane Nico</b> Monday July 17, 2023 5 PM EDT Advisory 13 NWS National Hurricane Center	<b>Current information</b> Center location 25.1 N 77.8 W Maximum sustained wind 75 mph Movement NW at 14 mph	<b>Forecast Positions:</b> ● Tropical Cyclone ○ Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph
<b>Potential Track Area:</b> Day 1-3	<b>Watches:</b> Hatched swatch: Hurricane Yellow swatch: Trop.Storm	<b>Warnings:</b> Red swatch: Hurricane Blue swatch: 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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# T.S. Wind Speed Probabilities

**\*\*EXERCISE\*\***

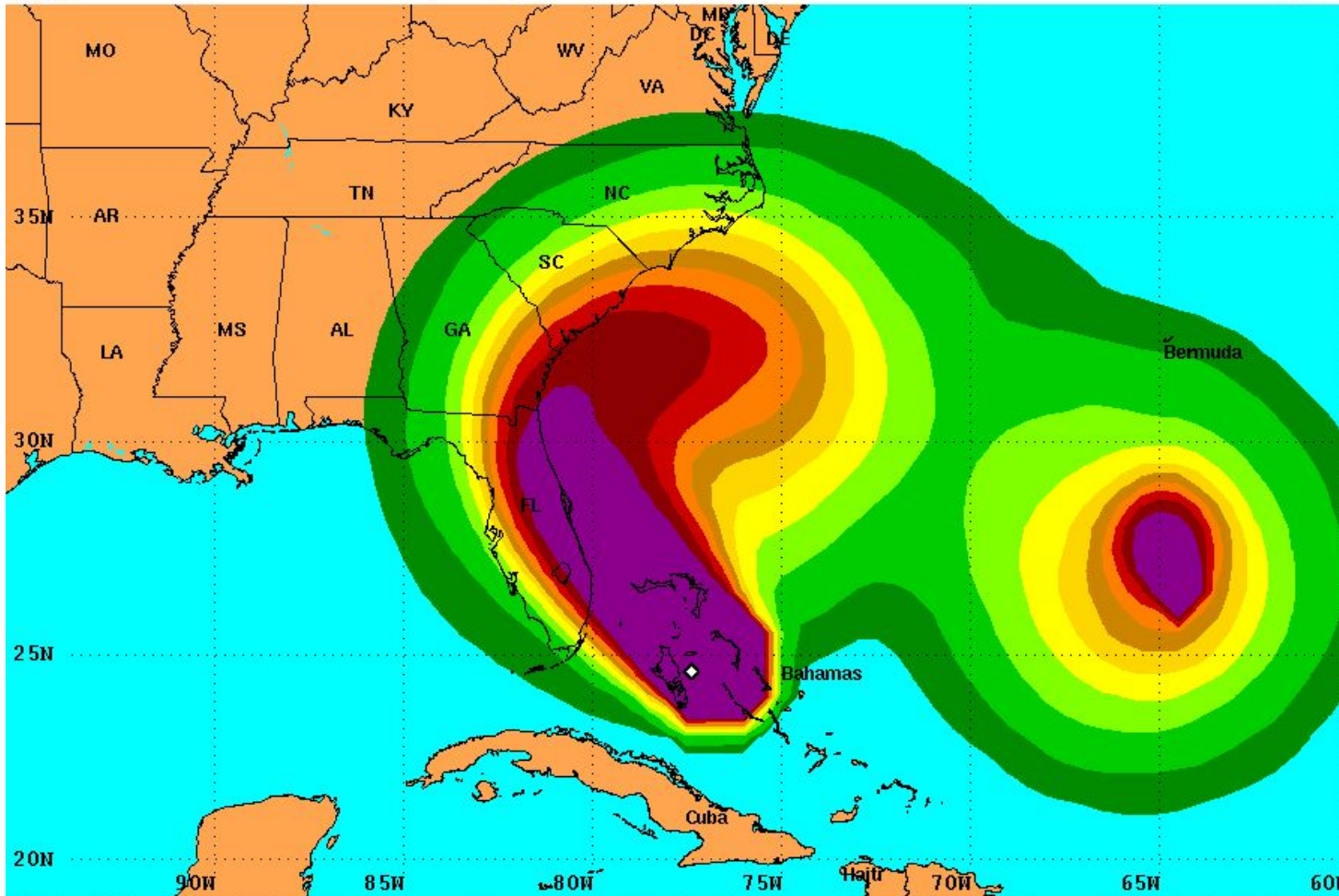


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## Hurricane Nico

### Tropical Storm Force Wind Speed Probabilities

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



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

◆ Indicates HURRICANE NICO center location at 2 PM EDT Mon Jul 17 2023 (Forecast/Advisory #13)



- Jacksonville, FL 85% (+10%)
- Charleston, SC 70% (+10%)
- Great Exuma, Bah. 100% ( $\pm$ 0%)
- Andros 100% (+0%)
- 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.

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# Hurricane Wind Speed Probabilities **\*\*EXERCISE\*\***

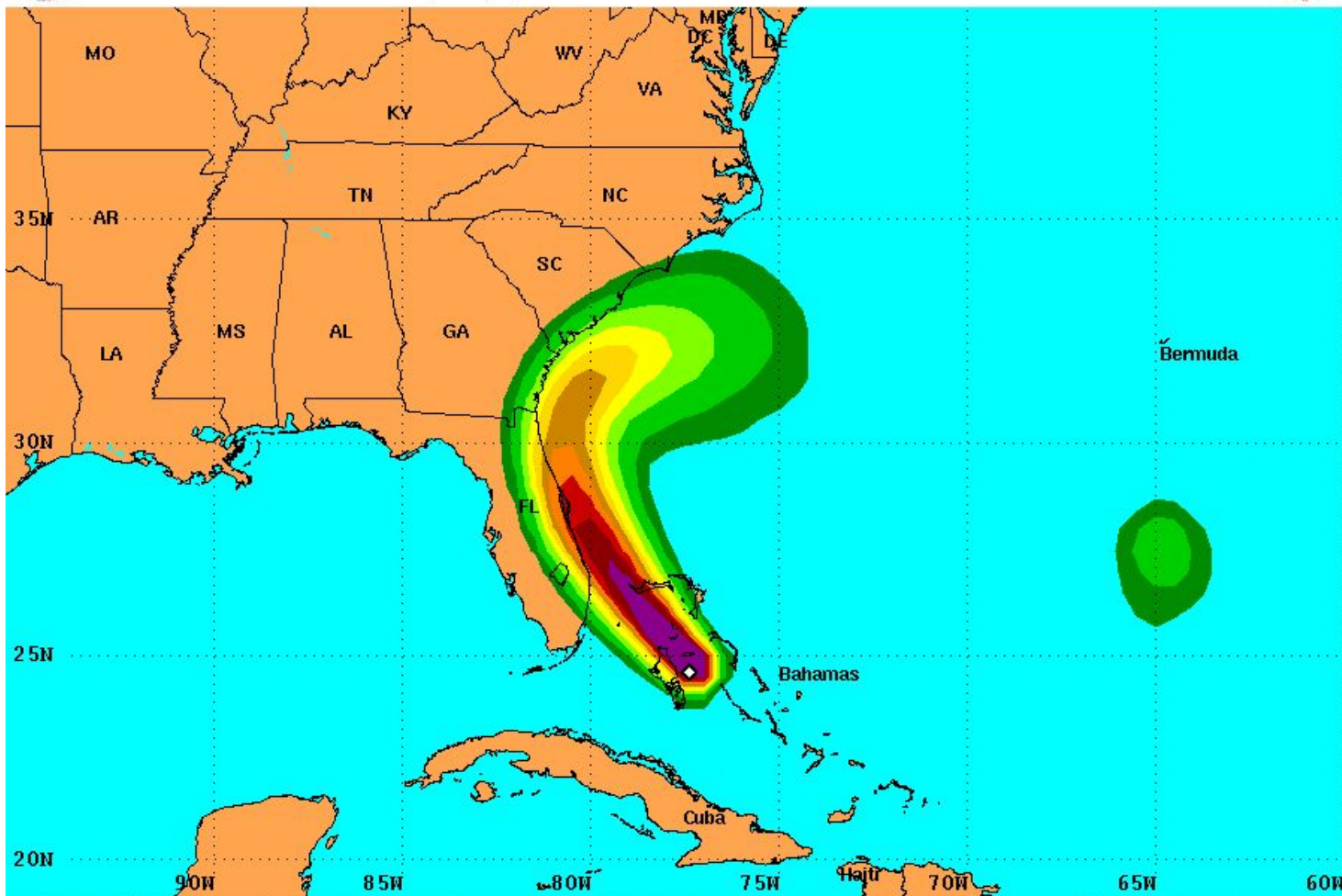


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NWS National Hurricane Center

## Hurricane Nico

### Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Mon Jul 17 to 2 PM 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 PM EDT Mon Jul 17 2023 (Forecast/Advisory #13)



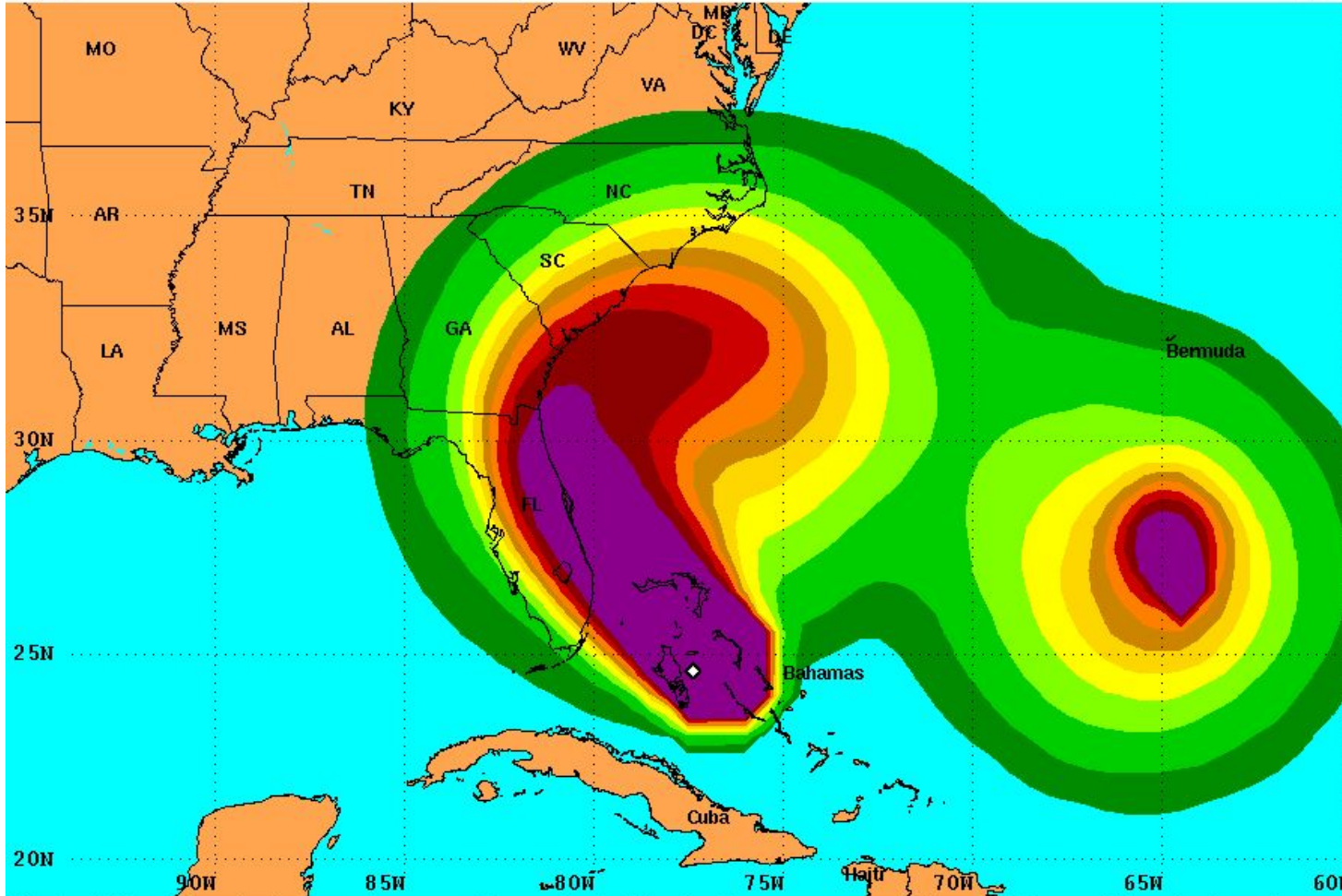
- Jacksonville, FL 25% (+10%)
- Charleston, SC 15% ( $\pm 0\%$ )
- Great Exuma, Bah. 100% ( $\pm 0\%$ )
- Andros 100% (+25%)
- New Providence 100% (+20%)
- Grand Bahama 85% (+20%)
- Probabilities of sustained tropical storm force winds ( $>34$  kt) over the next 5 days, based off this cyclone's wind radii and track.



## Hurricane Nico

### Tropical Storm Force Wind Speed Probabilities

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



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

◆ Indicates HURRICANE NICO center location at 2 PM EDT Mon Jul 17 2023 (Forecast/Advisory #13)



- Jacksonville, FL                      Tue 2 PM
- Charleston, SC                      Wed 2 AM
  
- Great Exuma, Bah. Ongoing
- Andros                                  Ongoing
- New Providence                      Ongoing
- Grand Bahama                      Ongoing
  
- Arrival time of sustained tropical storm force winds ( $>34$  kt) based off this cyclone's wind radii and track.

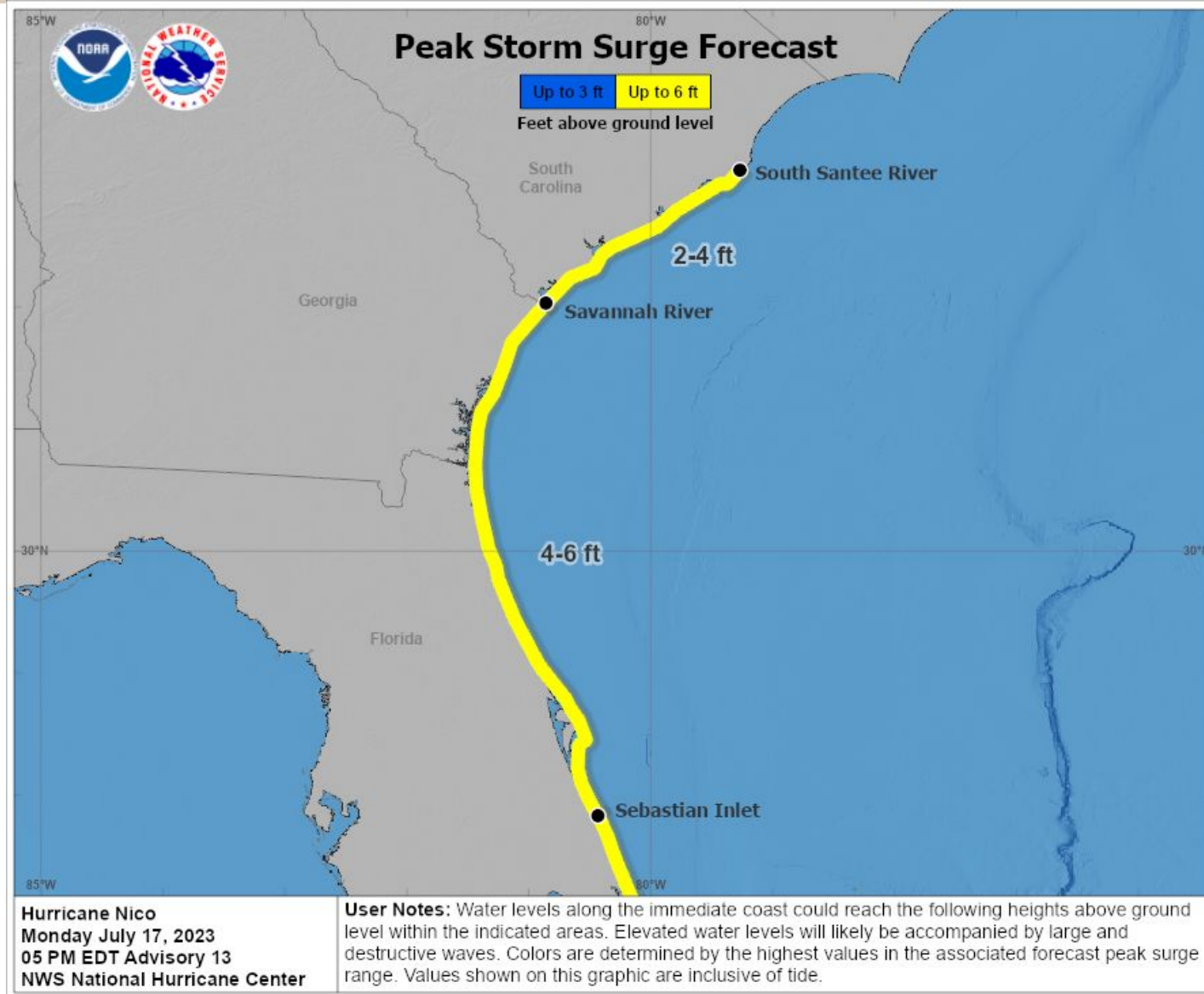
# Storm Surge

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## Hurricane Nico



# Expected Storm Total Rainfall and Chance of Rainfall Flooding

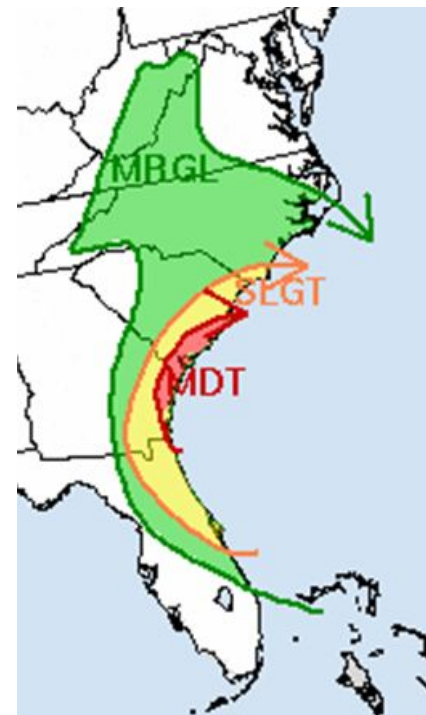
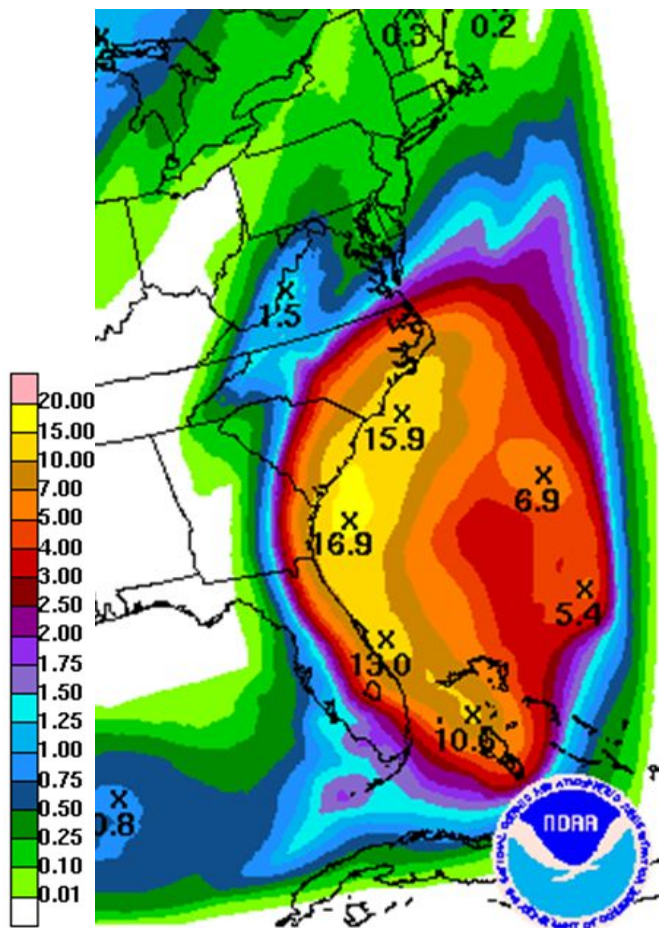
Weather Prediction Center

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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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## Hurricane Nico

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

### **IMPACTS FOR D7 (through next 5 days)**

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**Tornadoes – Low**

**Waves - High**