

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – Medium

Rainfall/Flash Flooding – High

Tornadoes – Low

Waves – High

**Tropical Storm Nico
BRIEFING
Sun July 16, 2023 – 5pm EDT**



Prepared by:

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NWS National Hurricane Center*



Situation Overview

****EXERCISE****



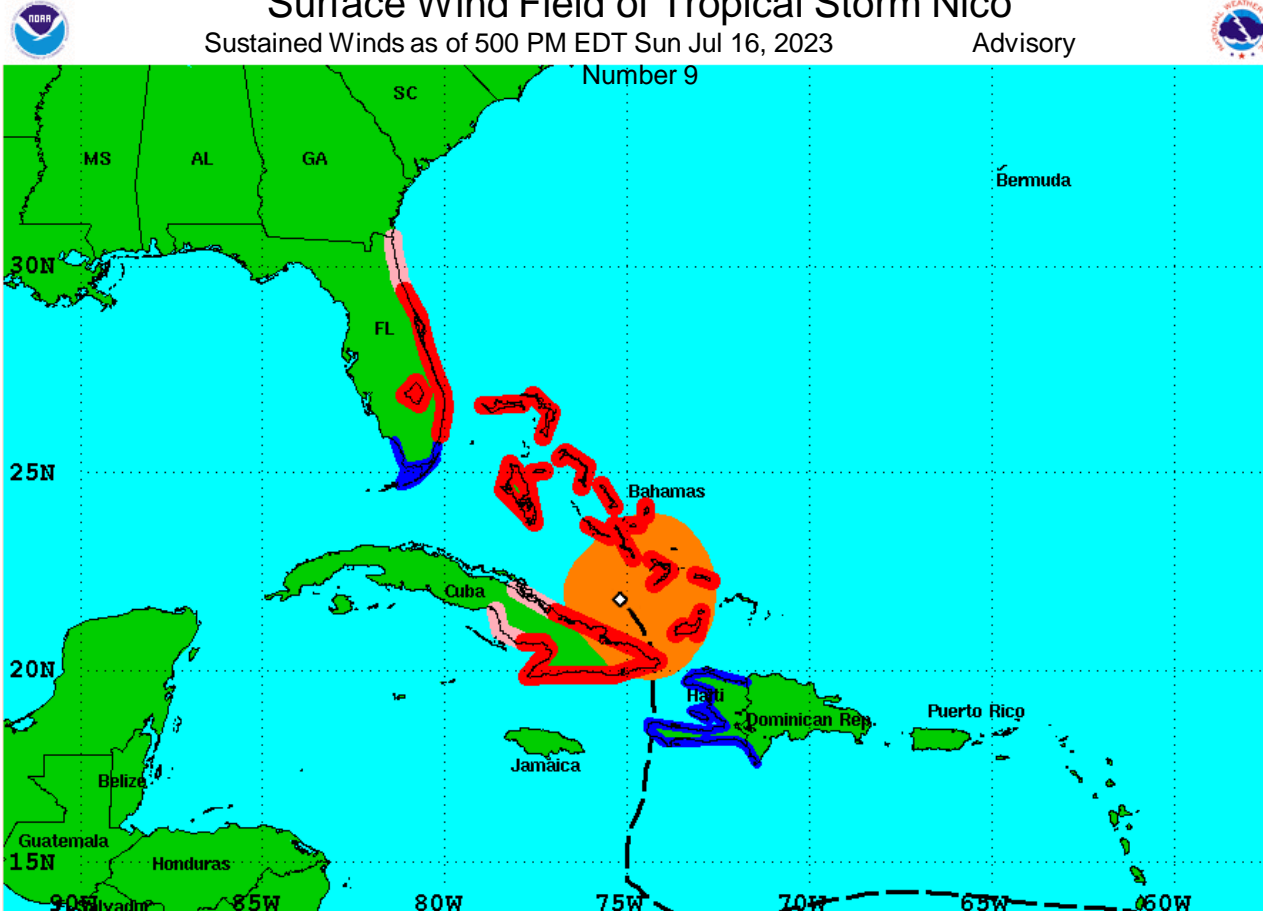
Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Nico

Surface Wind Field of Tropical Storm Nico

Sustained Winds as of 500 PM EDT Sun Jul 16, 2023

Advisory



- | | | | |
|----------------------|------------------------|-------------------------|-------------------------|
| Watches: | Warnings: | Sustained Winds: | Position: |
| Hurricane Watch | Hurricane Warning | Hurricane Force | Center as of 500 PM EDT |
| Tropical Storm Watch | Tropical Storm Warning | Tropical Storm Force | Past Track |

...Tropical Storm Nico approaching hurricane strength near the Bahamas...

Summary of 500 PM EDT Information

Location...21.8N 75.2W

About 55 nm NNE of Cabo Lucrecia Cuba

About 105 nm S of Long Island, Bahamas

Maximum Sustained Winds...60 kt

Present Movement...NW at 10 kt

Size

34 kt...150 NE 140 SE 80 SW 90 NW

Seas to 24 ft

Forecast Information

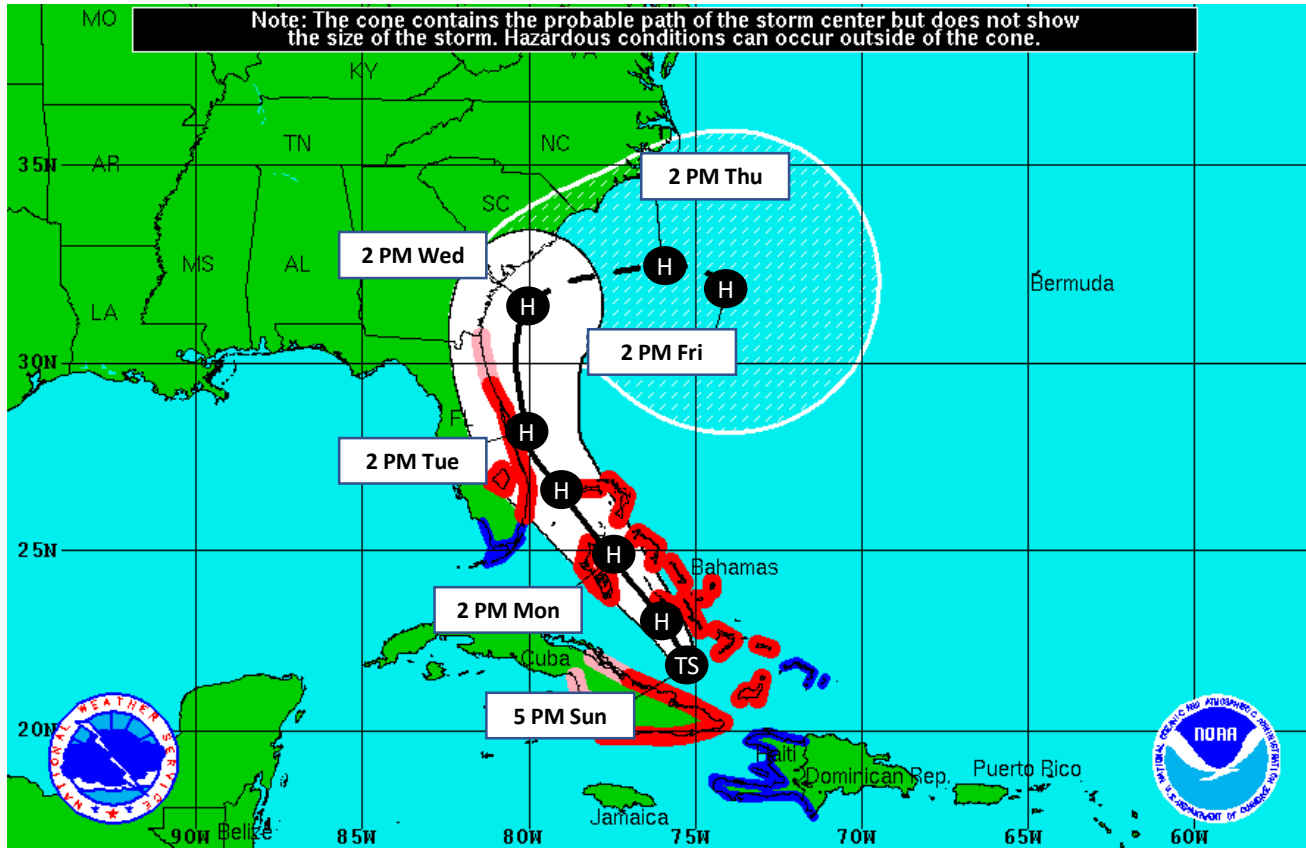
****EXERCISE****



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Tropical Storm 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 strengthen to a hurricane tonight over the warm waters surrounding the Bahamas
- Nico has turned NW and will track near the Bahamas through Monday night
- Gradual strengthening is expected to continue
- A hurricane warning is in effect for Florida from north of Golden Beach to the Flagler/Volusia county line
- 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

Tropical Storm Nico Sunday July 16, 2023 5 PM EDT Advisory 9 NWS National Hurricane Center	Current information Center location 21.8 N 75.2 W Maximum sustained wind 70 mph Movement NW at 12 mph	Forecast Positions: ● Tropical Cyclone ○ Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph
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Potential Track Area: Day 1-3 Day 4-5	Watches: Hurricane Trop.Storm	Warnings: Hurricane Trop.Storm
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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.

****EXERCISE****

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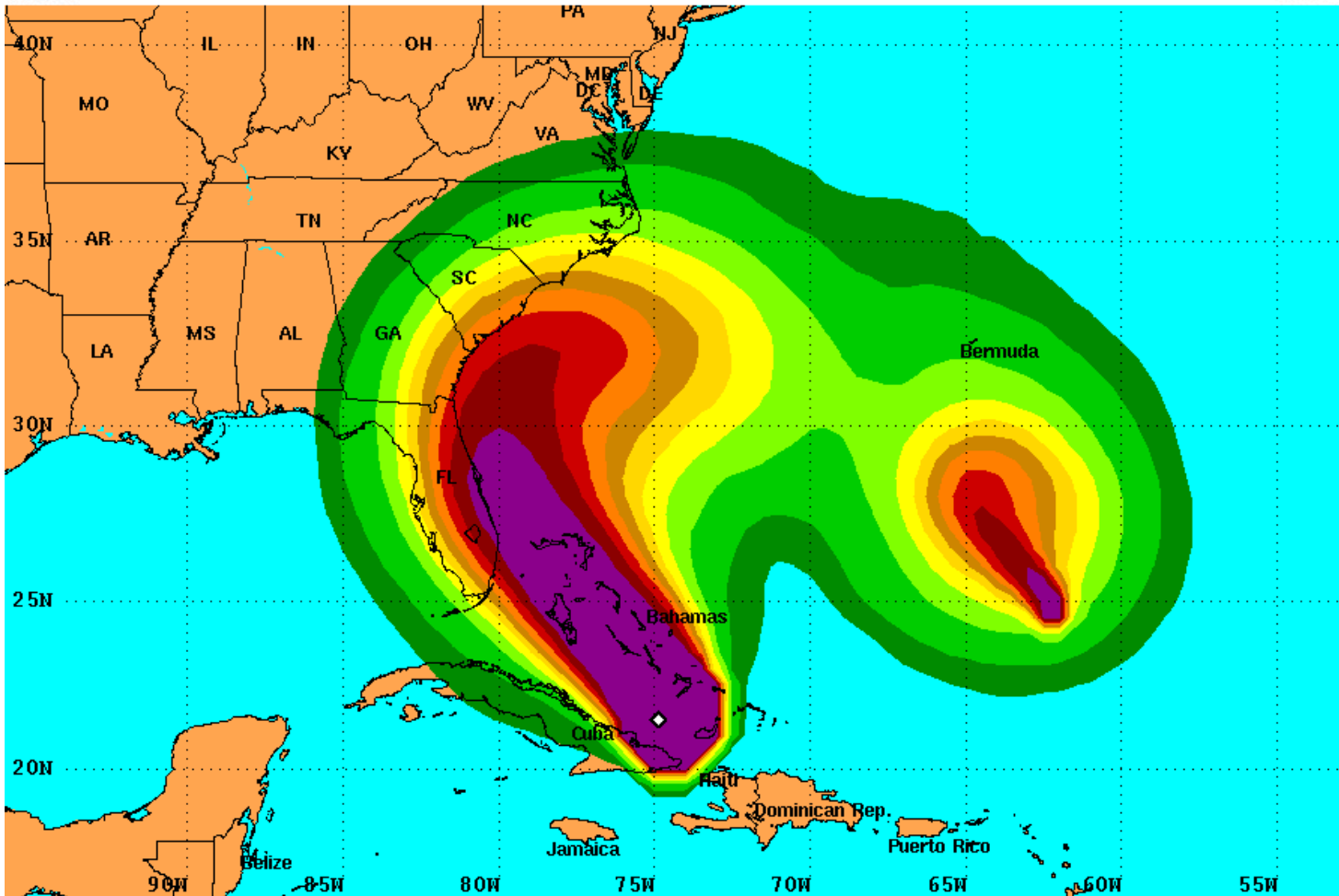
T.S. Wind Speed Probabilities

****EXERCISE****

Tropical Storm Nico

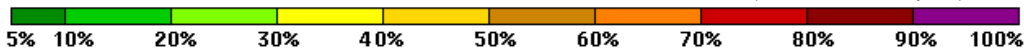
Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Sun Jul 16 to 2 PM EDT Fri Jul 21



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

◆ Indicates TROPICAL STORM NICO center location at 2 PM EDT Sun Jul 16 2023 (Forecast/Advisory #9)



- Jacksonville, FL 65%
(+5%)
- Charleston, SC 60%
(-5%)
- Mayaguana, Bah. 100%
(+20%)
- Great Exuma 100%
(+5%)
- San Salvador 90%
(±0%)
- Andros 95% (+15%)
- New Providence 100%
(+10%)
- Grand Bahama 100%
(+10%)

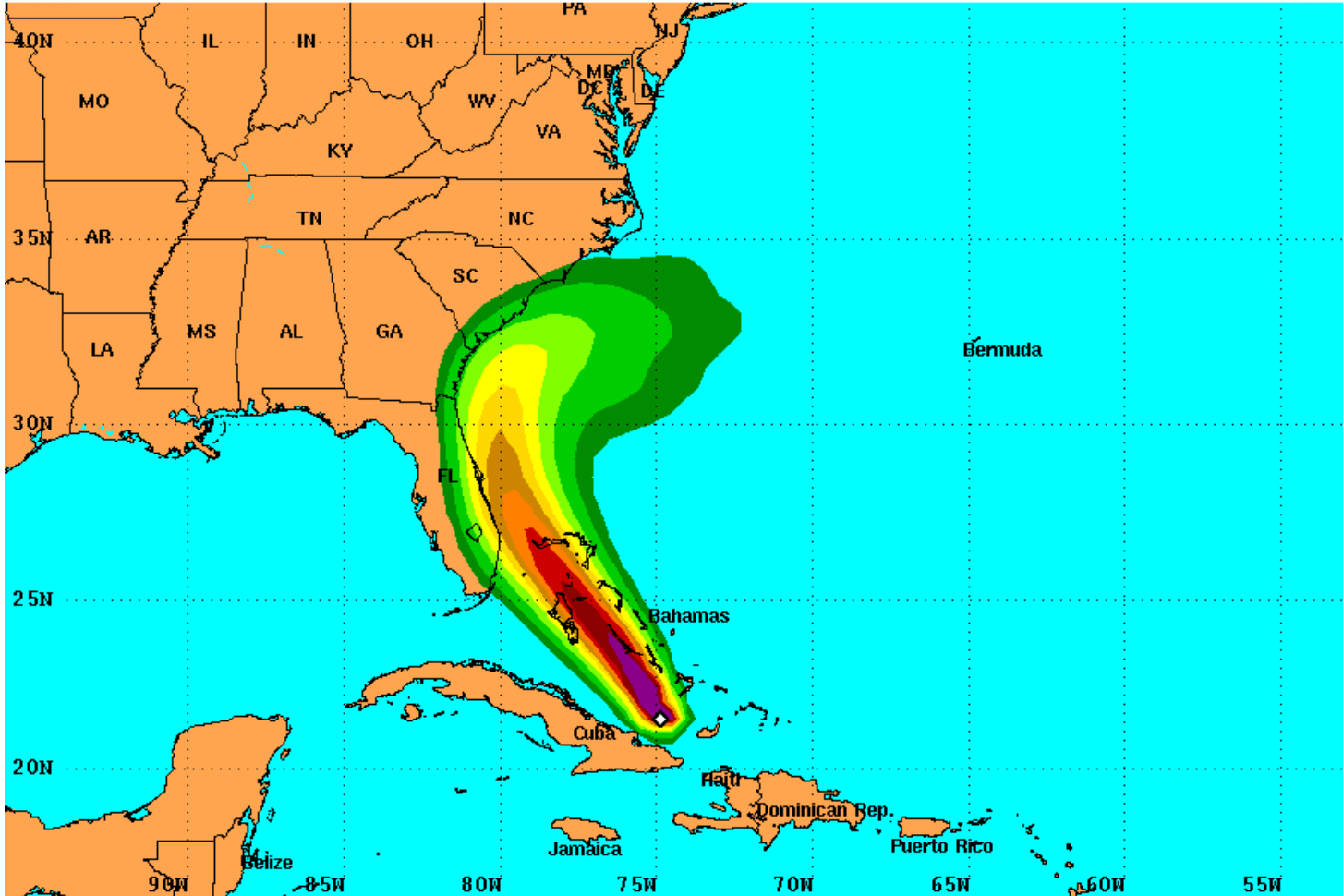
- Probabilities of sustained tropical storm force winds (>34 kt) over the next 5 days, ****EXERCISE****

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

Tropical Storm Nico

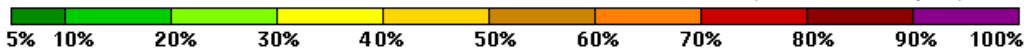
Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Sun Jul 16 to 2 PM EDT Fri Jul 21



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

◆ Indicates TROPICAL STORM NICO center location at 2 PM EDT Sun Jul 16 2023 (Forecast/Advisory #9)



- Jacksonville, FL 10%
(±0%)
- Charleston, SC 15%
(±0%)
- Mayaguana, Bah. 0% (-5%)
- Great Exuma 80%
(+15%)
- San Salvador 0% (-25%)
- Andros 60% (+30%)
- New Providence 75%
(+25%)
- Grand Bahama 65%
(+20%)

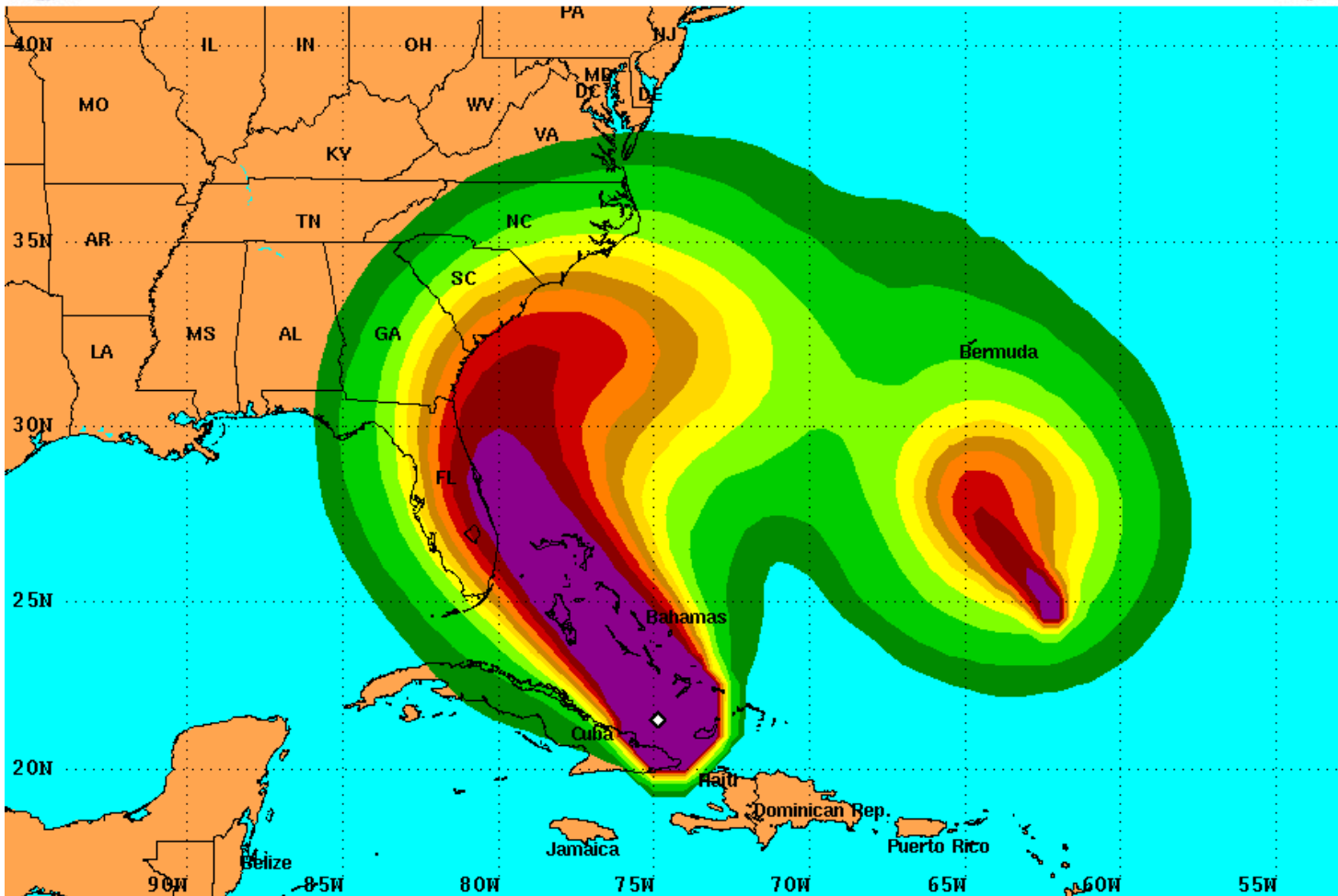
- Probabilities of sustained tropical storm force winds (>34 kt) over the next 5 days, ****EXERCISE****

Most Likely Time of Arrival and T.S. Wind Speed Probabilities ****EXERCISE****

Tropical Storm Nico

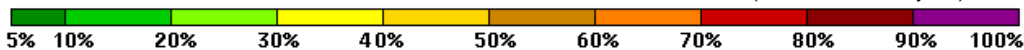
Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Sun Jul 16 to 2 PM EDT Fri Jul 21



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

◆ Indicates TROPICAL STORM NICO center location at 2 PM EDT Sun Jul 16 2023 (Forecast/Advisory #9)



▪ Jacksonville, FL
afternoon Tue

▪ Charleston, SC
night Tue

▪ Mayaguana, Bah.
Ongoing

▪ Great Exuma
Ongoing

▪ San Salvador
Ongoing

▪ Andros
Mon 7 AM

▪ New Providence
11 AM Mon

▪ Grand Bahama
3 PM Mon

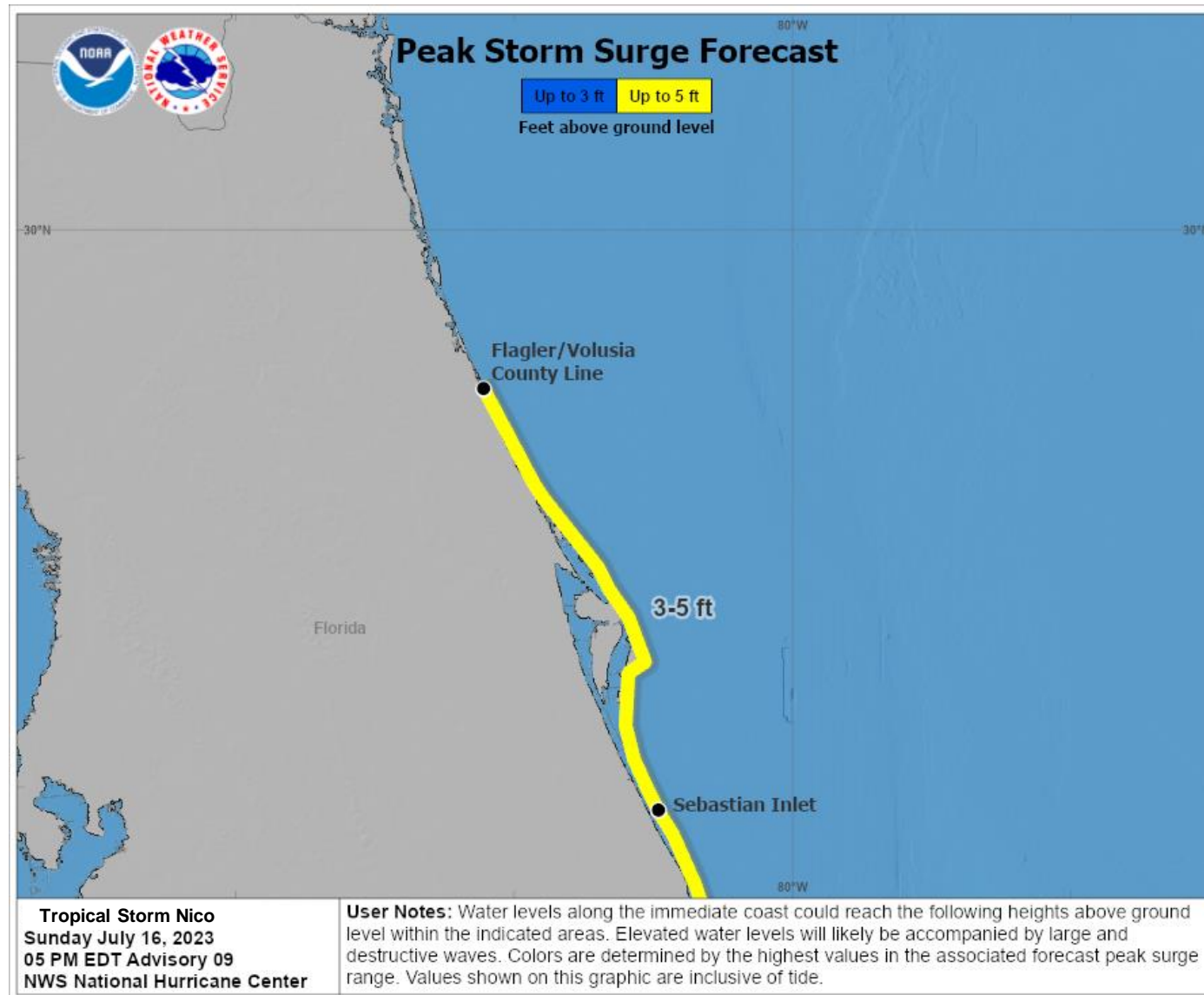
▪ Arrival time of sustained tropical storm force winds (>34 kt) based off this cyclone's wind ****EXERCISE****

Storm Surge

Tropical Storm Nico



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Expected Storm Total Rainfall and Chance of Rainfall Flooding

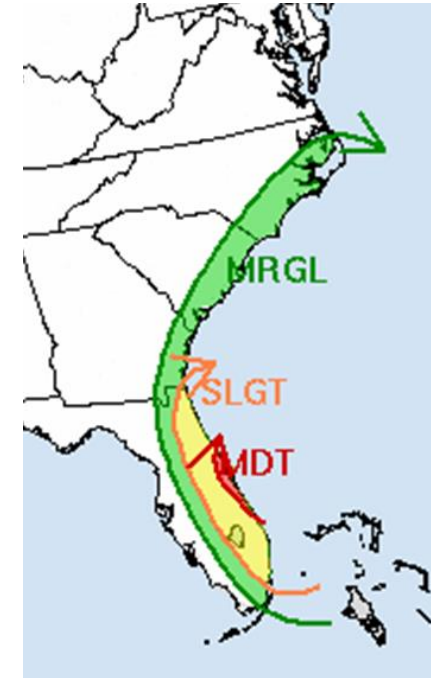
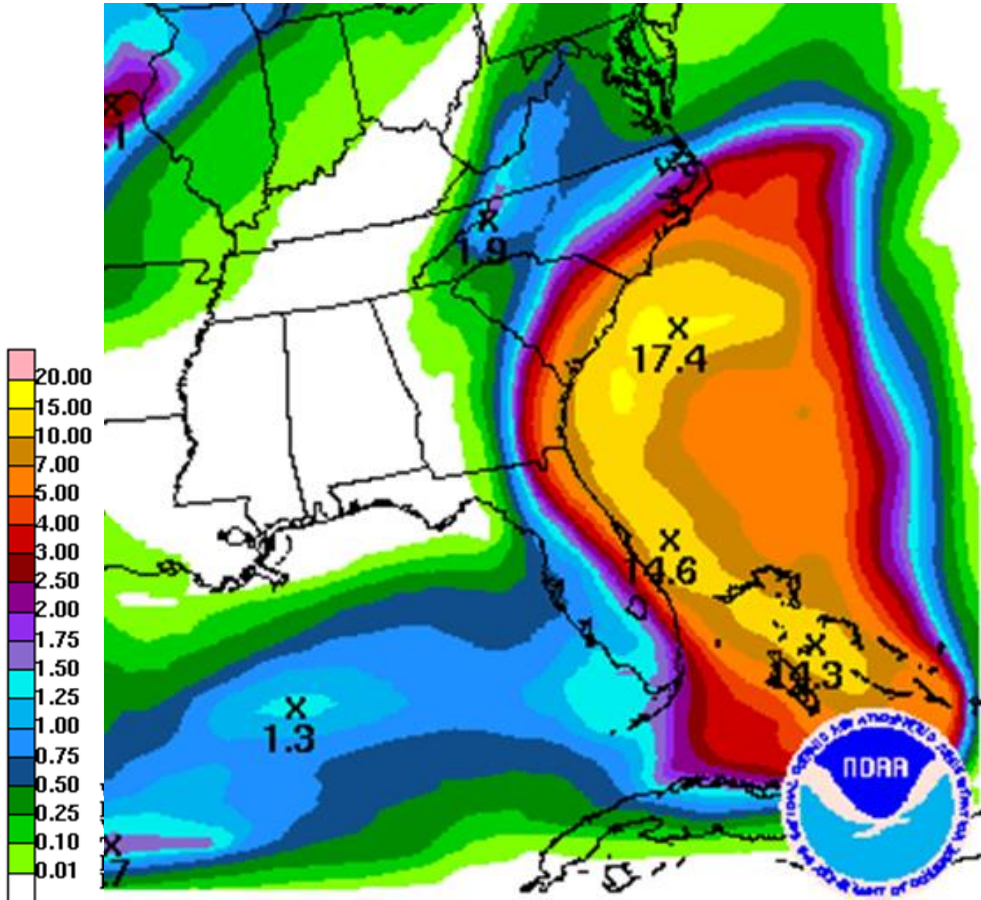
Weather Prediction Center

****EXERCISE****



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm 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%

The chance for major rainfall flooding is increasing for coastal east-central Florida



Tropical Storm Nico

- Seas could build to **28 ft** in the SW Atlantic with dangerous surf conditions along the east coast of Florida

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

Winds – **High**

Storm Surge – **Medium**

Rainfall/Flash Flooding – **High**

Tornadoes – **Low**

Waves – **High**