

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – Medium

Rainfall/Flash Flooding – High

Tornadoes – Low

Waves – High

**Tropical Storm Nico
BRIEFING
Sat July 15, 2023 – 5pm EDT**



Prepared by:

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NWS National Hurricane Center*



NHC_TAF

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Situation Overview

****EXERCISE****



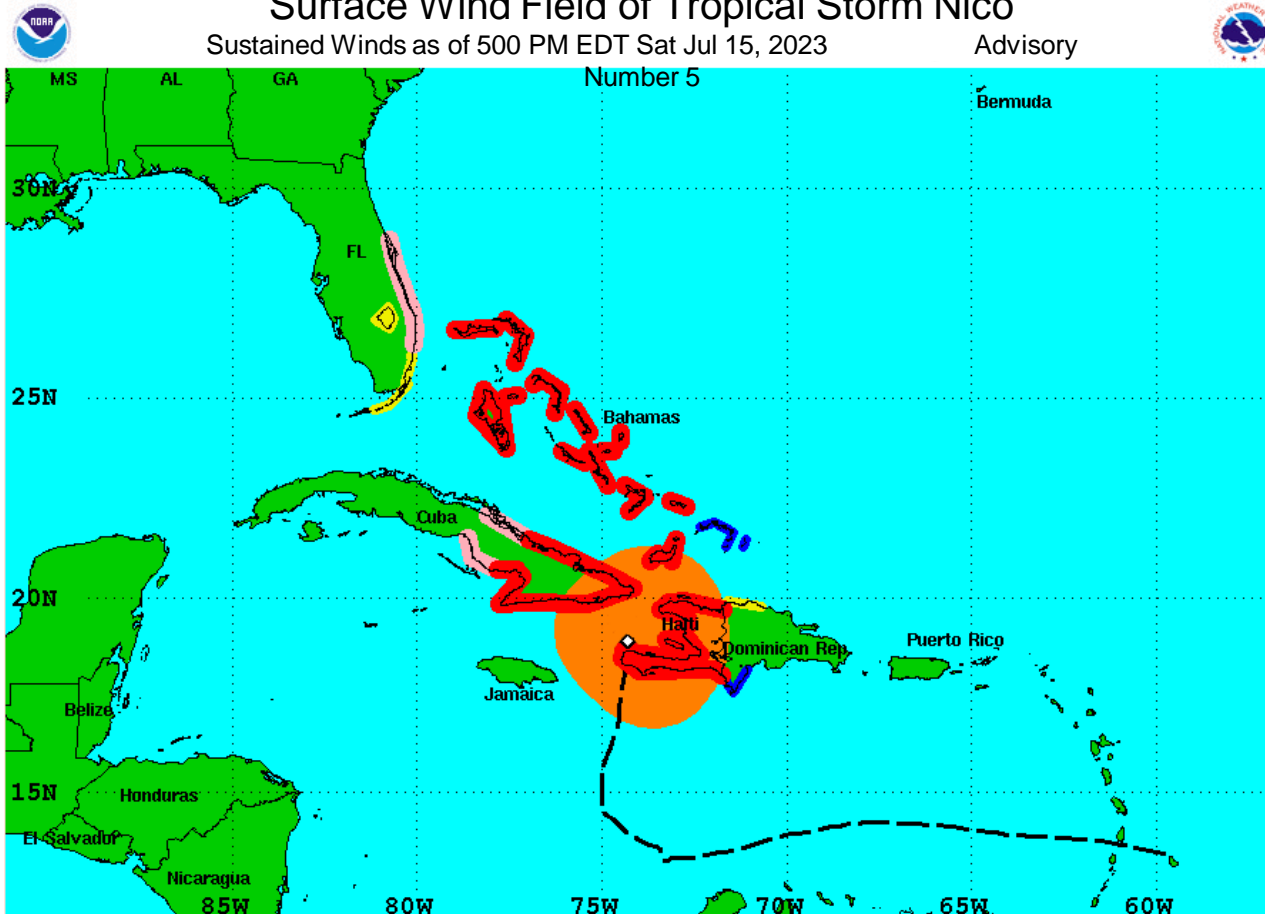
Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Nico

Surface Wind Field of Tropical Storm Nico

Sustained Winds as of 500 PM EDT Sat Jul 15, 2023

Advisory



...Large Tropical Storm Nico moving over the Gulf of Gonave and is heading for Eastern Cuba...

Summary of 500 PM EDT Information

Location... 18.9N 74.3W
About 35 nm N of Tiburon Haiti
About 90 nm S of Eastern tip of Cuba
Maximum Sustained Winds... 50 kt
Present Movement... N at 9 kt

Size
34 kt... 160 NE 150 SE 100 SW 120 NW
Seas to 20 ft

****EXERCISE****

****EXERCISE****

Forecast Information

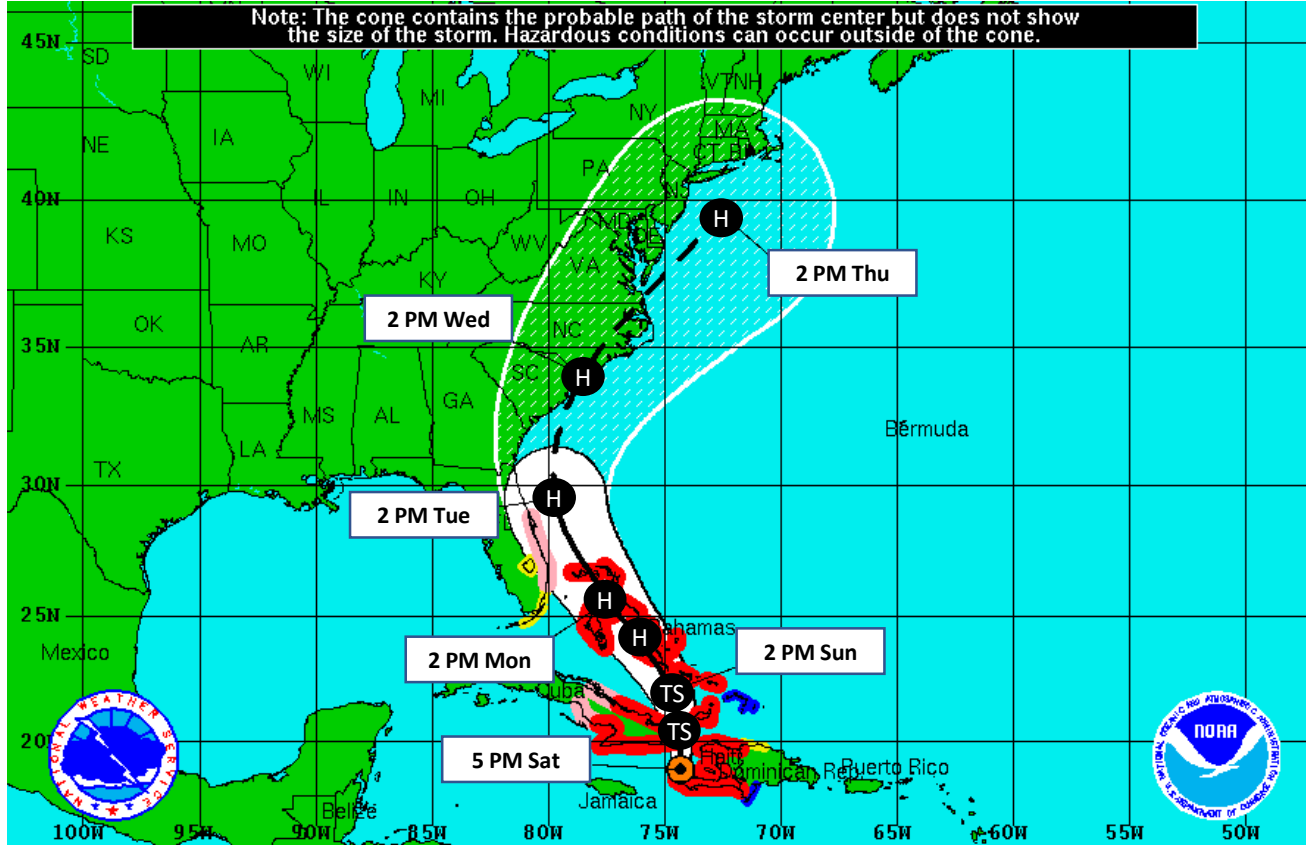
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Tropical Analysis and Forecast Branch
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Tropical Storm Nico

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.



Tropical Storm Nico Saturday July 15, 2023 5 PM EDT Advisory 5 NWS National Hurricane Center	Current information Center location 18.9 N 74.3 W Maximum sustained wind 60 mph Movement N at 10 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: [White Swatch] Day 1-3 [Hatched Swatch] Day 4-5	Watches: [Pink Swatch] Hurricane [Yellow Swatch] Trop.Storm	Warnings: [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.

- Nico should maintain strength tonight while moving through the Windward Passage
- By Sunday afternoon, Nico is expected to shift NNW and track near or along the Lucayan Archipelago through Monday
- Gradual strengthening is expected over the warm waters surrounding the Bahamas
- Tropical storm and/or hurricane watches have been issued for portions of the Florida peninsula and the Florida Keys.

- 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.

****EXERCISE****

****EXERCISE****

T.S. Wind Speed Probabilities

****EXERCISE****

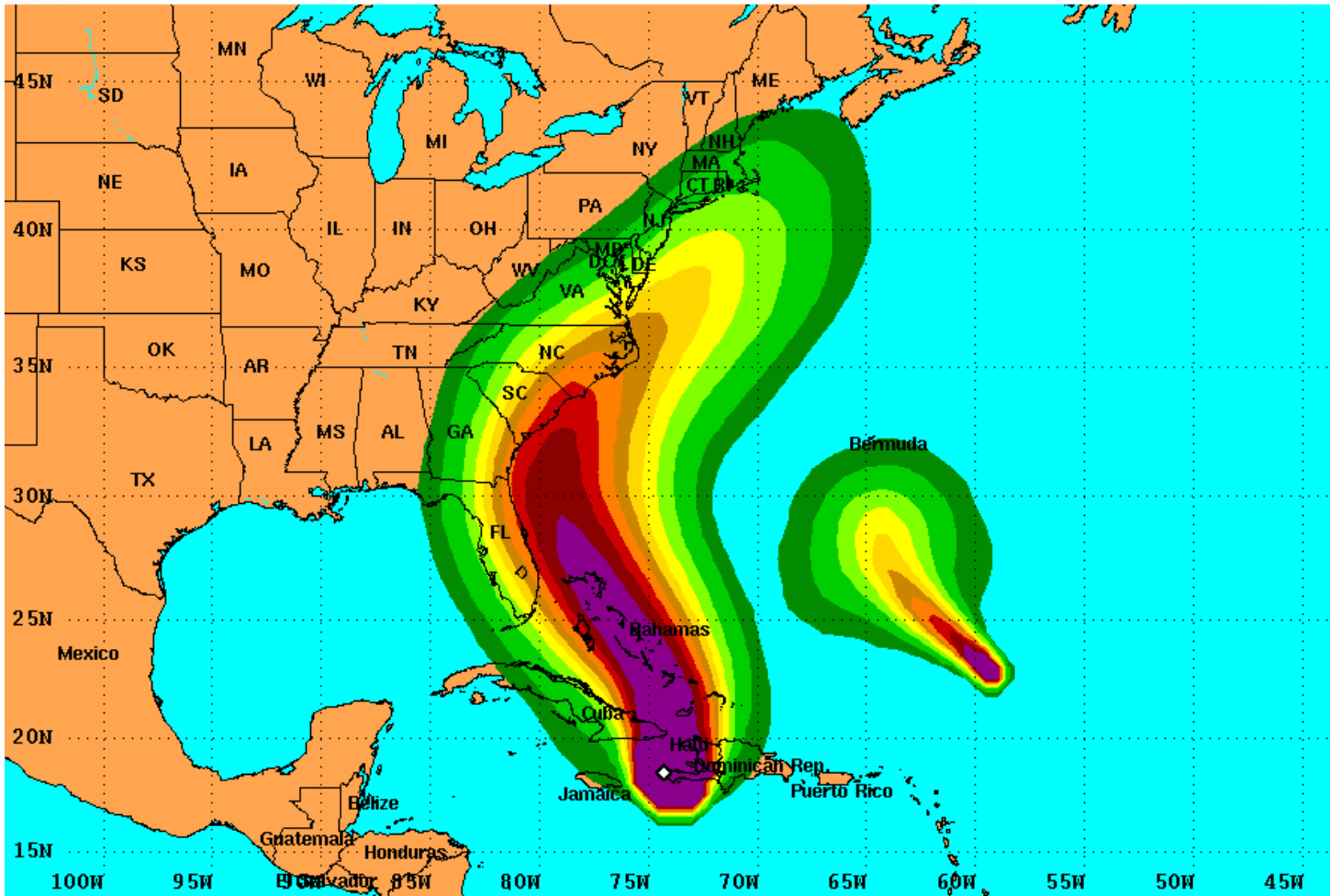


Branch
enter

Tropical Storm Nico

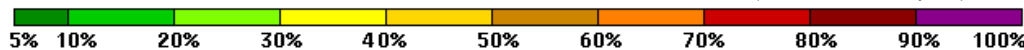
Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Sat Jul 15 to 2 PM EDT Thu Jul 20



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

◆ Indicates TROPICAL STORM NICO center location at 2 PM EDT Sat Jul 15 2023 (Forecast/Advisory #5)



Jacksonville, FL

60%

Charleston, SC

65%

Les Cayes, Haiti

100%

Guantanamo Bay, Cuba

100%

Mayaguana, Bahamas

80%

Great Exuma

95%

San Salvador

90%

Andros

80%

New Providence

90%

Grand Bahama

90%

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

****EXERCISE****

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



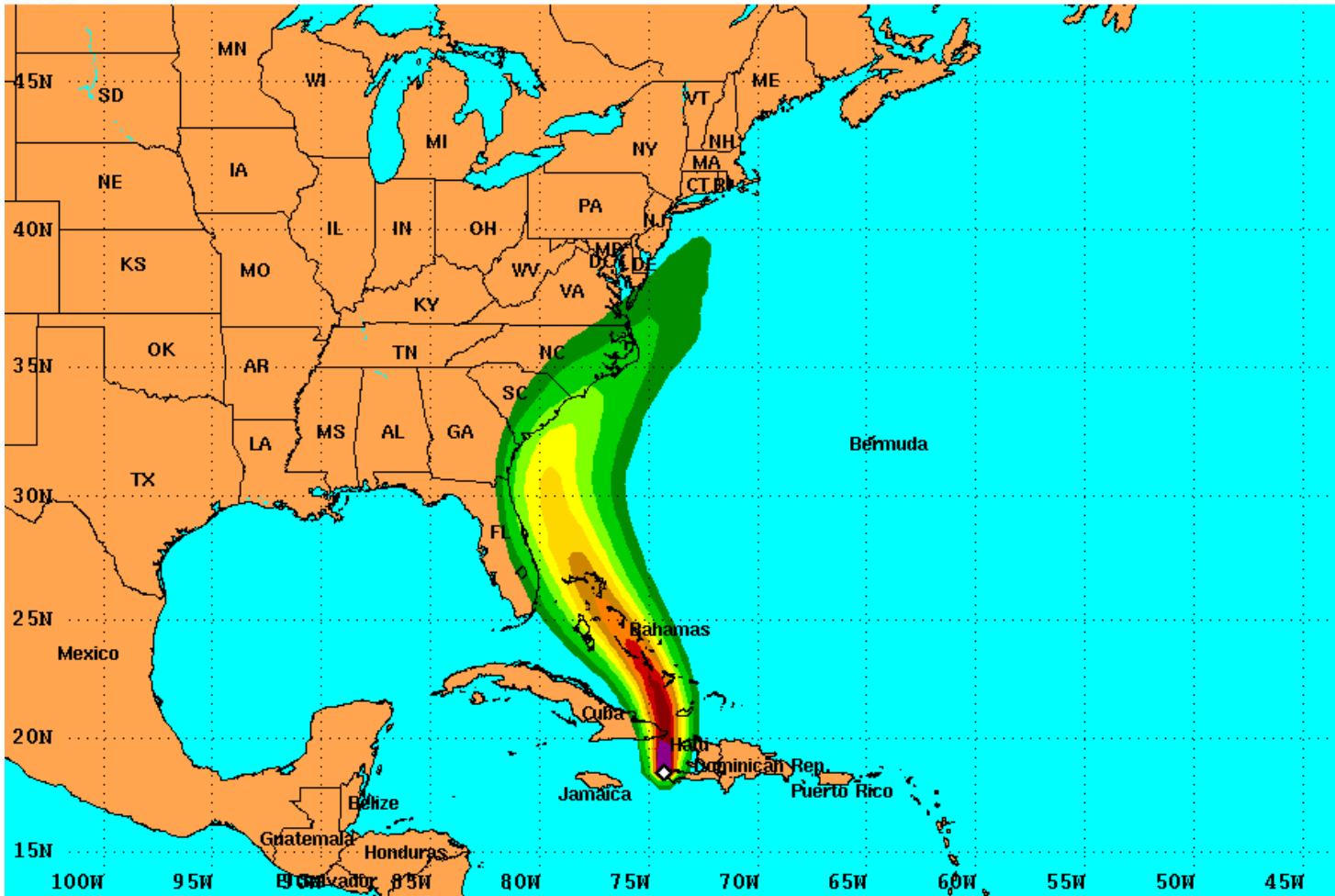
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Tropical Storm Nico

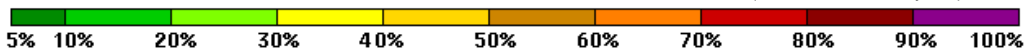


Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Sat Jul 15 to 2 PM EDT Thu Jul 20



◆ Indicates TROPICAL STORM NICO center location at 2 PM EDT Sat Jul 15 2023 (Forecast/Advisory #5)



- Jacksonville, FL

10%

- Charleston, SC

15%

- Les Cayes, Haiti

50%

- Guantanamo Bay, Cuba

20%

- Mayaguana, Bahamas

5%

- Great Exuma

65%

- San Salvador

25%

- Andros

30%

- New Providence

50%

- Grand Bahama

45%

- Probabilities of sustained tropical storm

force winds (>34 kt) over the next 5 days, ****EXERCISE****

****EXERCISE****

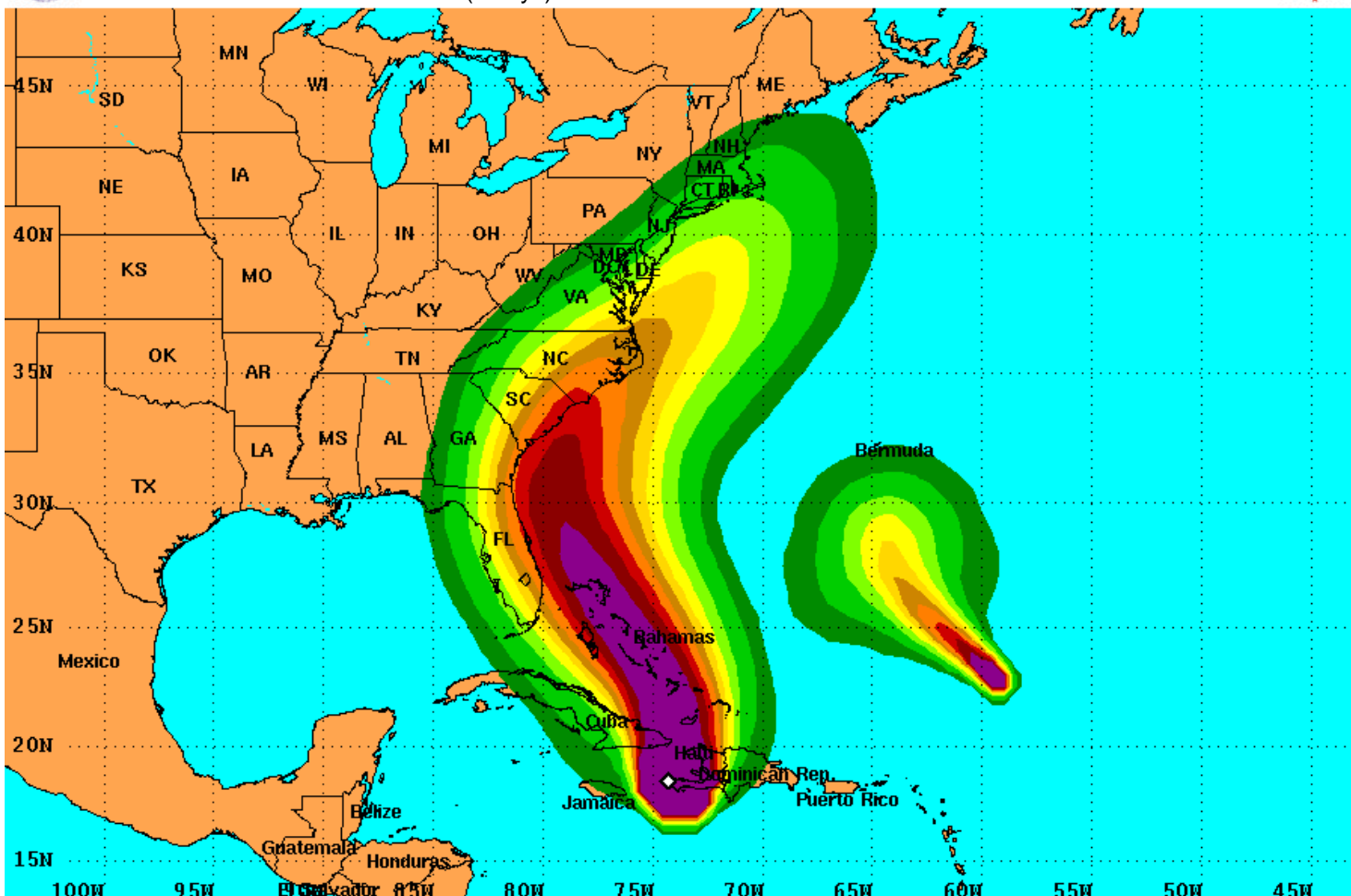
Most Likely Time of Arrival and T.S. Wind Speed Probabilities ****EXERCISE****

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NWS National Hurricane Center

Tropical Storm Nico

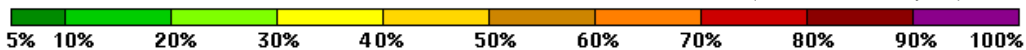
Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 PM EDT Sat Jul 15 to 2 PM EDT Thu Jul 20



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 Sat Jul 15 2023 (Forecast/Advisory #5)



- Jacksonville, FL Tue afternoon
- Charleston, SC Tue night
- Les Cayes, Haiti Sat evening
- Guantanamo Bay Sat evening
- Mayaguana Sat night
- Great Exuma Sun evening
- San Salvador Sun evening
- Andros Mon morning
- New Providence Mon morning
- Grand Bahama Mon afternoon

****EXERCISE****

****EXERCISE****

▪ Arrival time of sustained tropical storm force



- Uncertainty is too high to specify forecast values at this time
- East coast of Florida should remain vigilant as risk of storm surge flooding may increase early next week.

Expected Storm Total Rainfall and Chance of Rainfall Flooding

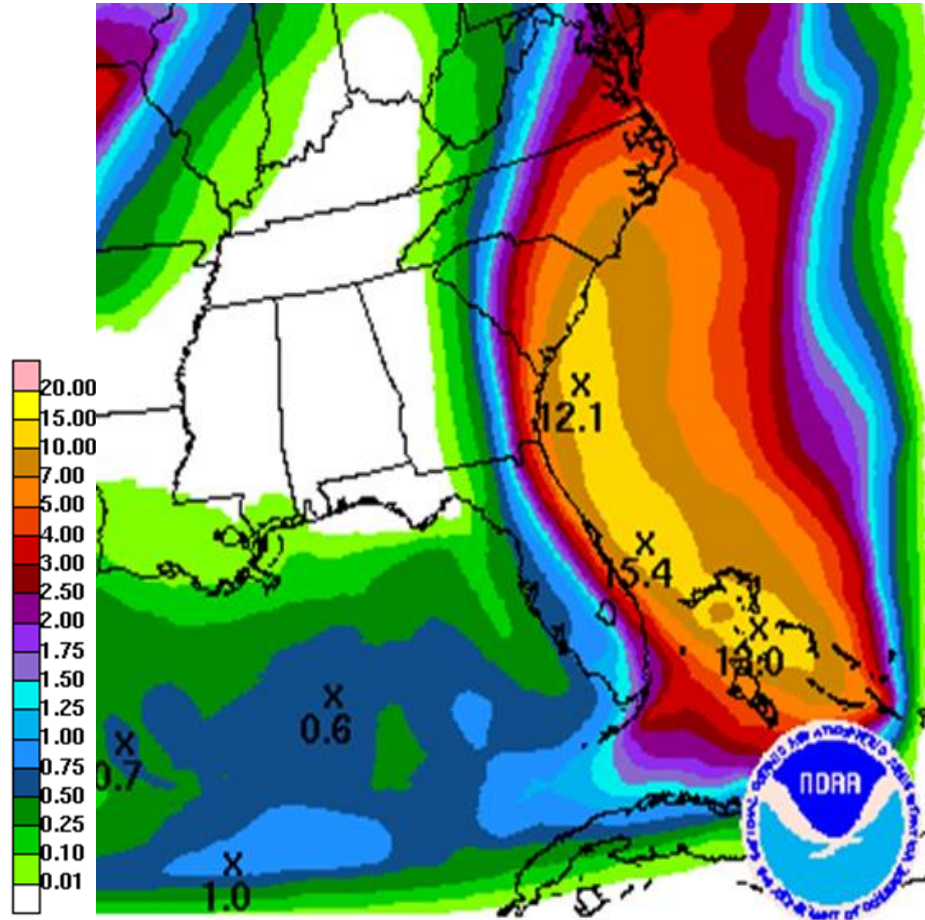
Weather Prediction Center

****EXERCISE****



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NWS National Hurricane Center

Tropical Storm Nico



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

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

The chance for major rainfall flooding is increasing for Cuba, Haiti and the Bahamas



- Seas could build to **27 ft** in the SW Atlantic with dangerous surf conditions

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Tornadoes – **Low**

Waves – **High**