

IMPACTS FOR D7

Winds/US Coast – None

Winds/SRR – High

Waves/US Coastal – None

Waves/SRR – High

through next 5 days

US Storm Surge – None

US Rainfall/Flash Flooding – None

US Tornadoes – None

HURRICANE OSCAR BRIEFING

9:00 AM EDT

Sunday, October 20, 2024

Prepared by:

Sandy Delgado

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

www.nhc.noaa.gov

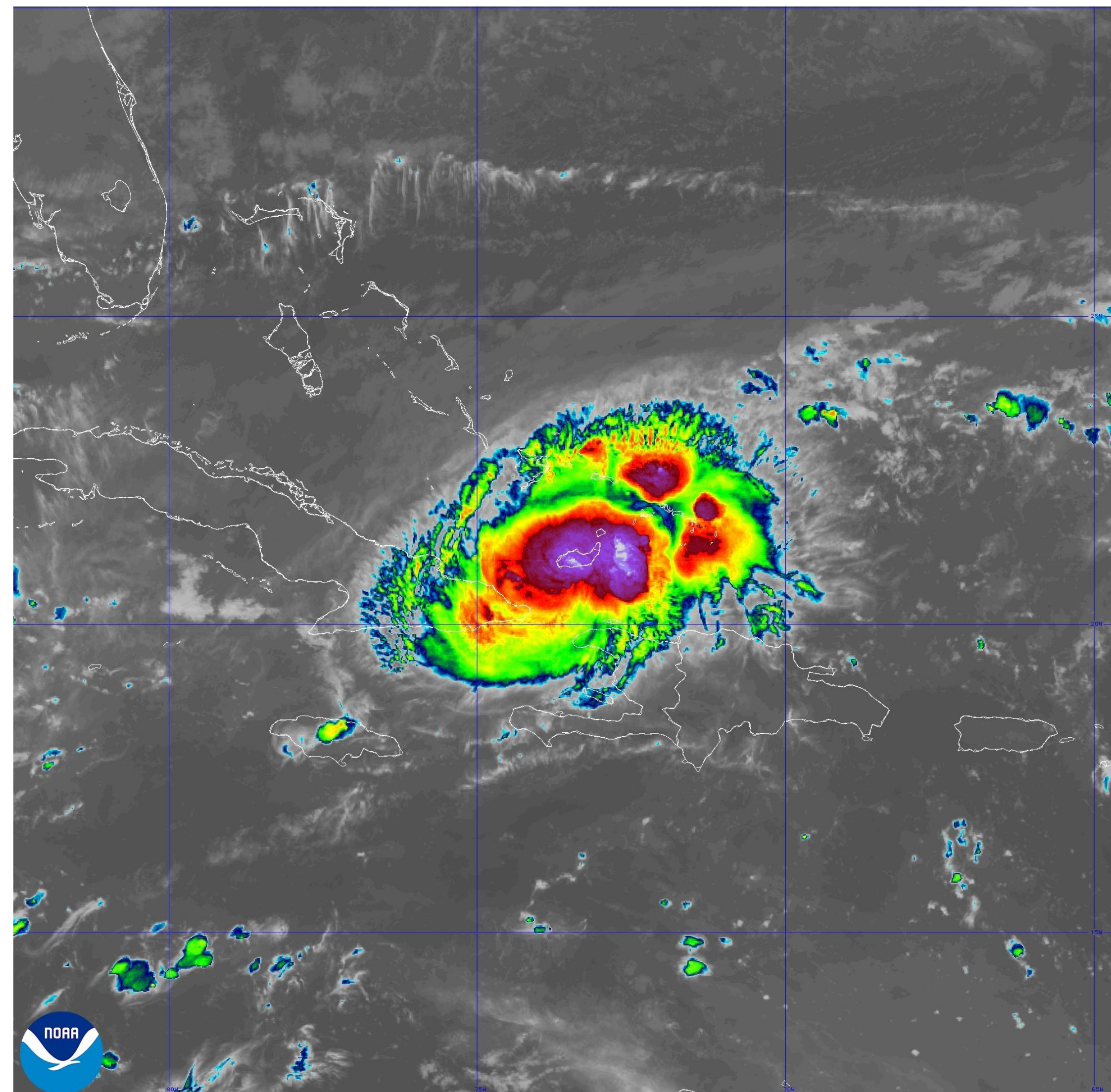
Changes since the last briefing

Hurricane Oscar



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

- Hurricane Warning was issued for the northern coast of eastern Cuba last night
- Oscar made landfall in Great Inagua Island in the overnight hours as a category I hurricane
- Hurricane and Tropical Storm Warnings have been discontinued for the Turks and Caicos



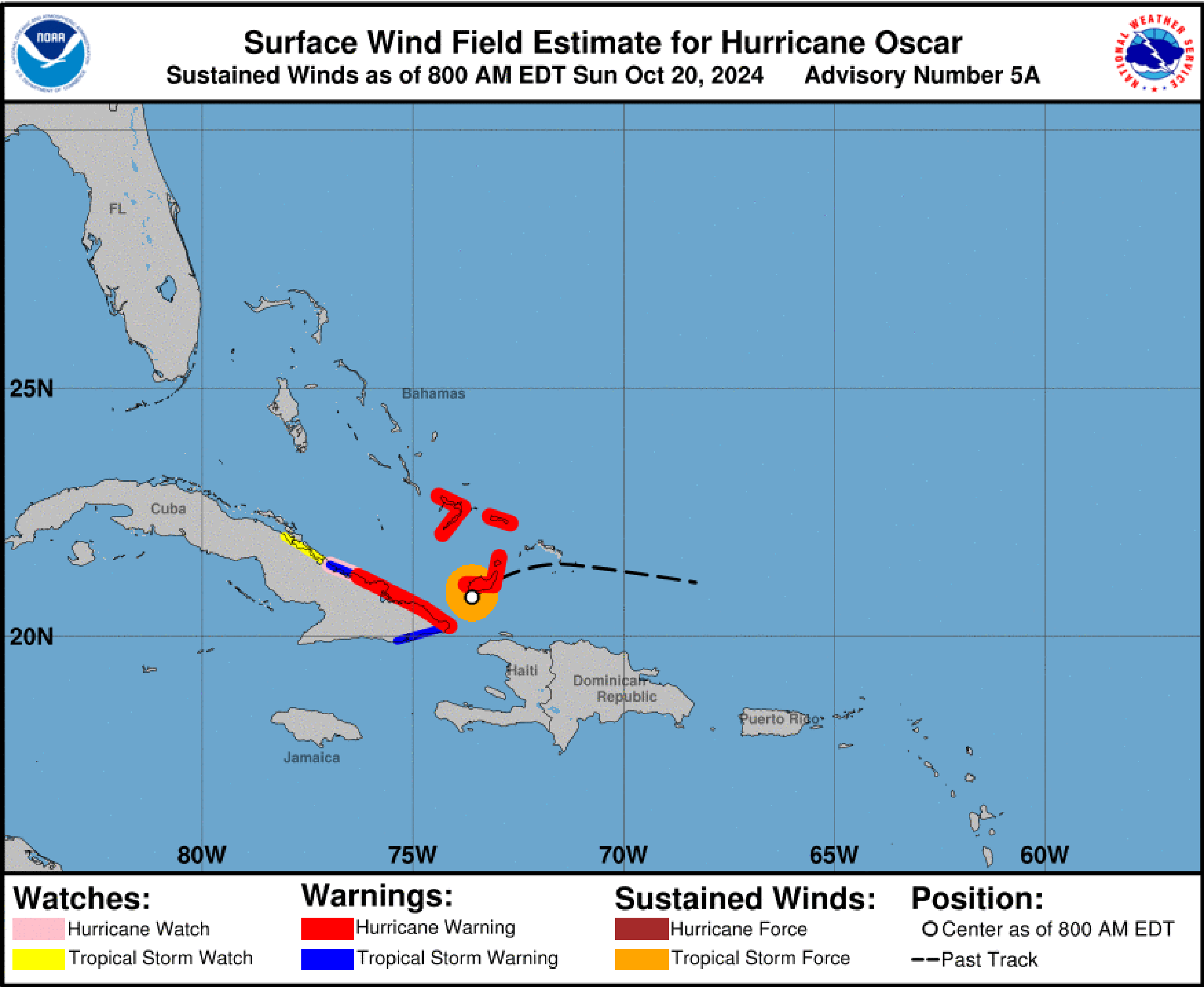
20 Oct 2024 11:20Z - NOAA/NESDIS/STAR GOES-East - Band 15 - HU Oscar

Situation Overview

Hurricane Oscar



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NWS National Hurricane Center



**...AIR FORCE RECONNAISSANCE FINDS OSCAR JUST SOUTHWEST OF THE COAST OF GREAT INAGUA ISLAND...
... EXPECTED TO REACH GUANTANAMO OR HOLGUIN CUBA AS A HURRICANE LATER TODAY...**

SUMMARY OF 800 AM EDT...1200 UTC...INFORMATION

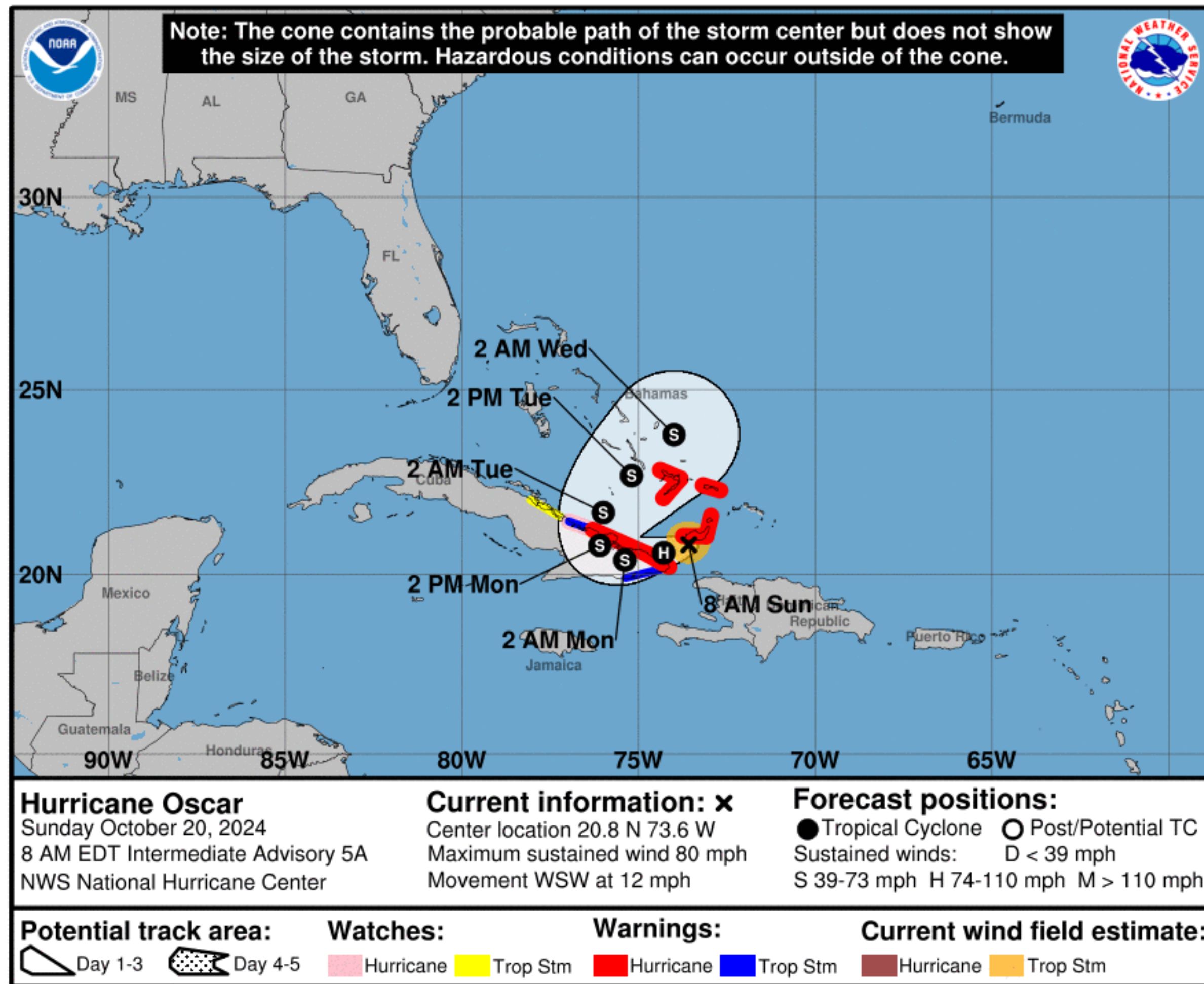
**LOCATION...20.8N 73.6W
ABOUT 10 NM SW OF GREAT INAGUA ISLAND
ABOUT 100 NM ENE OF GUANTANAMO CUBA
MAXIMUM SUSTAINED WINDS...70 KT
PRESENT MOVEMENT...WSW OR 250 DEGREES AT 10 KT
MINIMUM CENTRAL PRESSURE...986 MB...29.12 INCHES**

Forecast Information

Hurricane Oscar



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NWS National Hurricane Center



NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

- **Oscar remains a small category 1 hurricane on a WSW track toward eastern Cuba**
- **Oscar is expected to weaken over eastern Cuba but could still be a tropical storm as it leaves Cuba on Monday and moves across the central Bahamas afterwards**
- **Oscar is forecast to turn north and northeast early next week, keeping the system away from Florida**

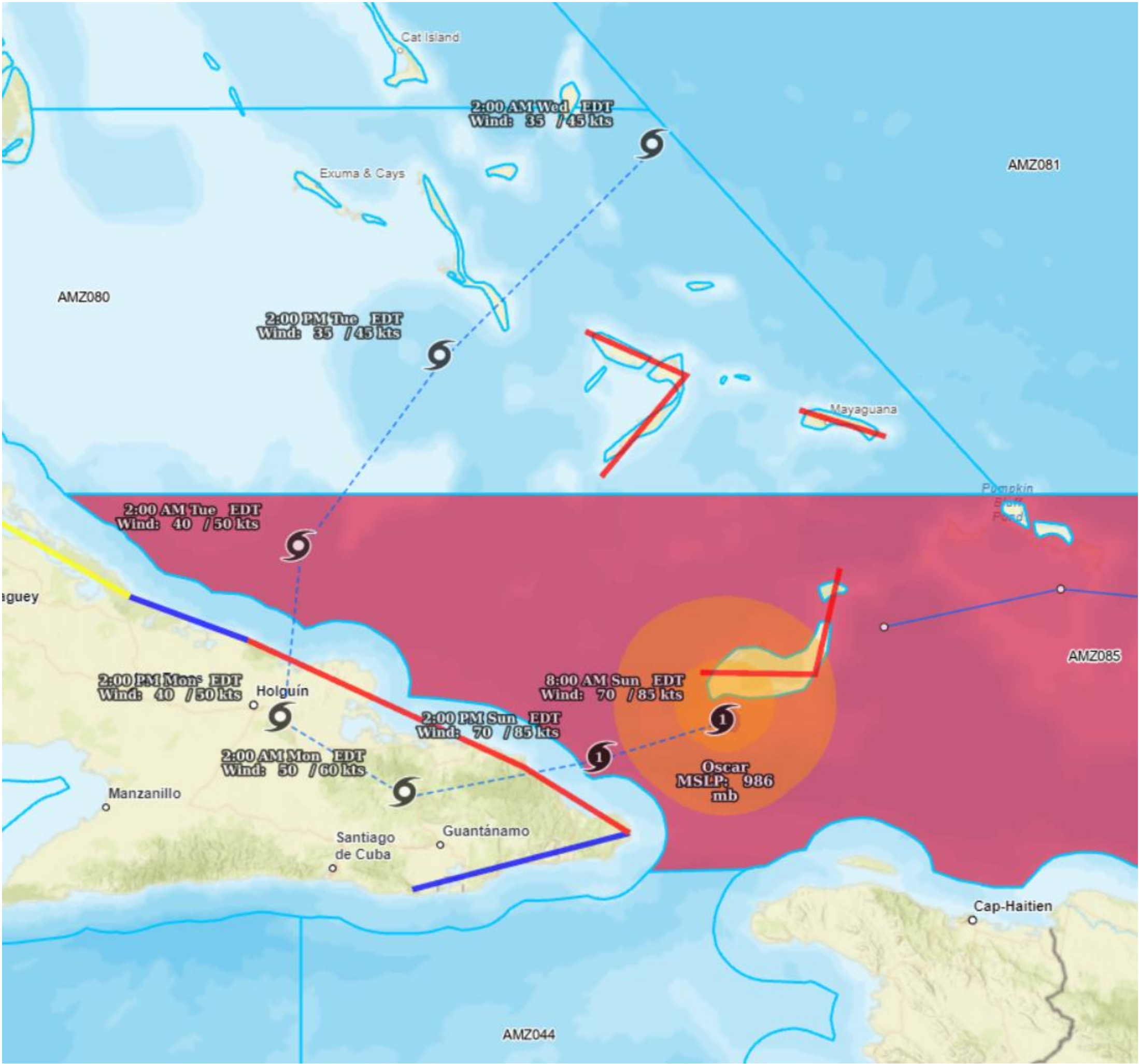
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Hurricane Oscar



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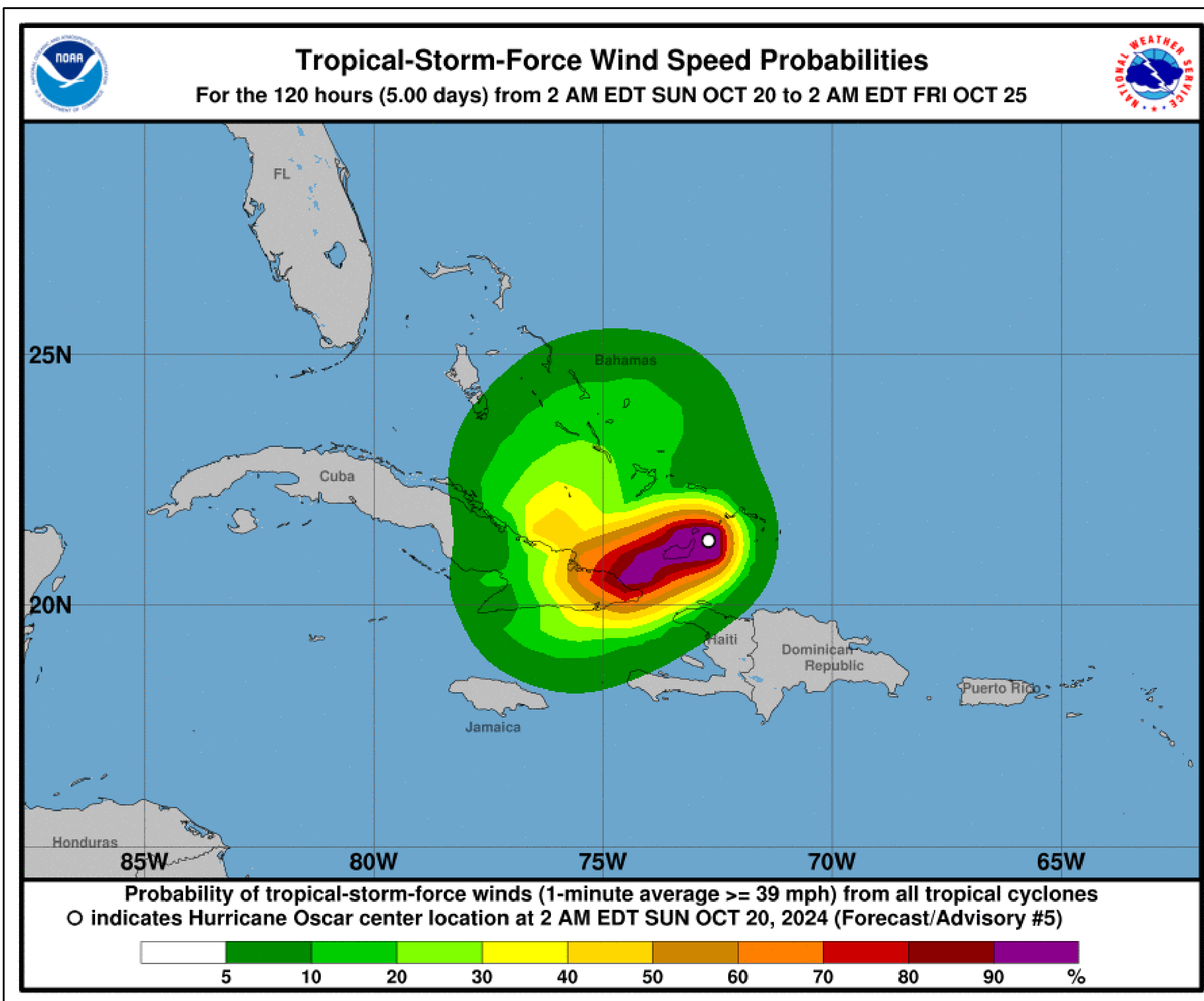
Watches/Advisories/Warnings	
Hydrologic Outlook (9)	
Air Quality Alert (1)	
Special Weather Statement (90)	
Coastal Flood Statement (38)	
Coastal Flood Watch (1)	
Flood Watch (18)	
Beach Hazards Statement (7)	
Rip Current Statement (37)	
Frost Advisory (17)	
Wind Advisory (6)	
Small Craft Advisory (256)	
High Surf Advisory (3)	
Coastal Flood Advisory (50)	
Flood Advisory (2)	
Heat Advisory (12)	
Winter Weather Advisory (7)	
Freeze Warning (6)	
Gale Warning (112)	
Coastal Flood Warning (10)	
Flood Warning (18)	
Storm Warning (5)	
High Wind Warning (4)	
Winter Storm Warning (18)	
Heavy Freezing Spray Warning (5)	
Hurricane Warning (1)	
Number of Alerts (733)	

T.S. Wind Speed Probabilities

Hurricane Oscar



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NWS National Hurricane Center



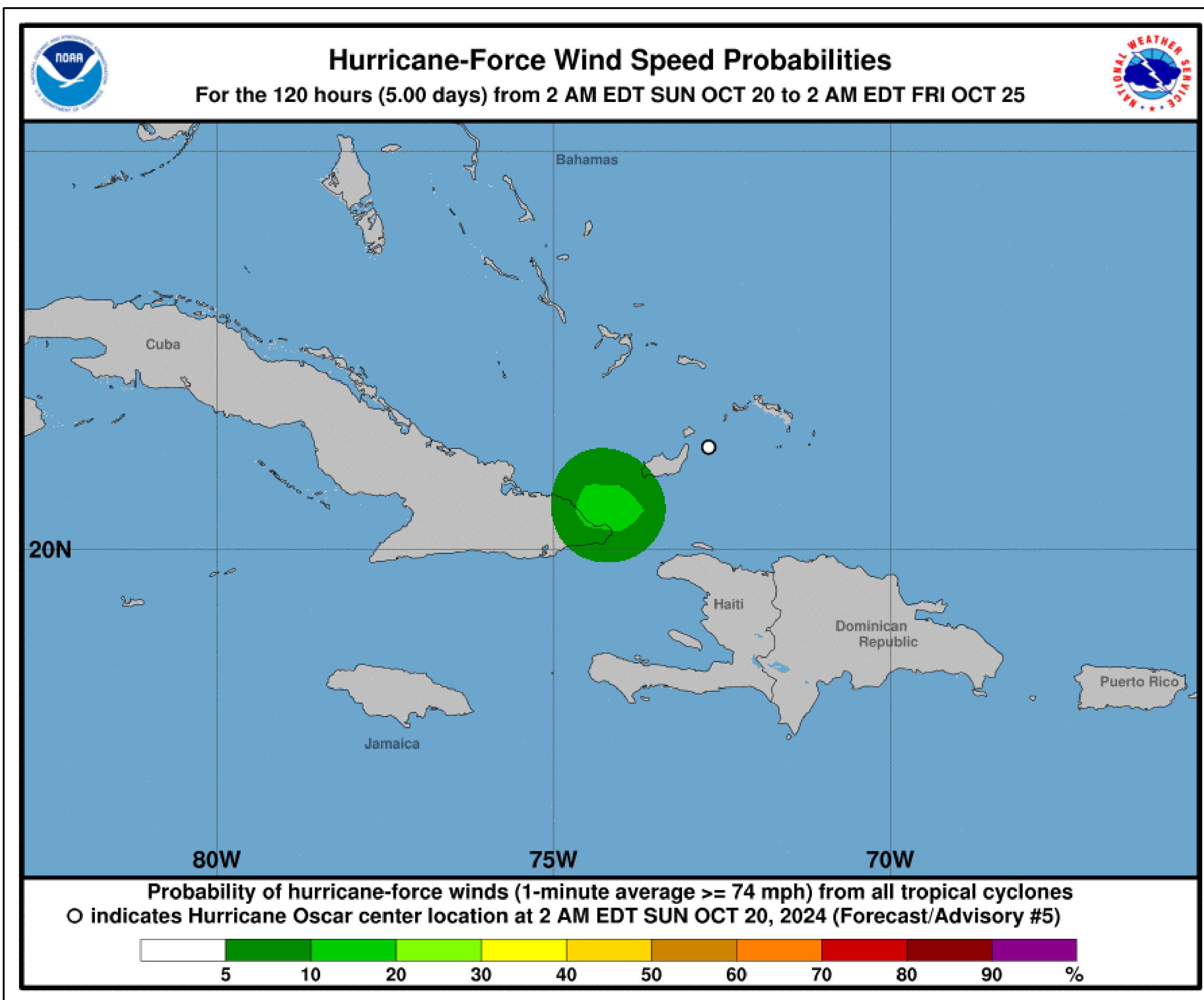
- **No wind probabilities for the ports in southern Florida.**
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Hurricane Wind Speed Probabilities

Hurricane Oscar



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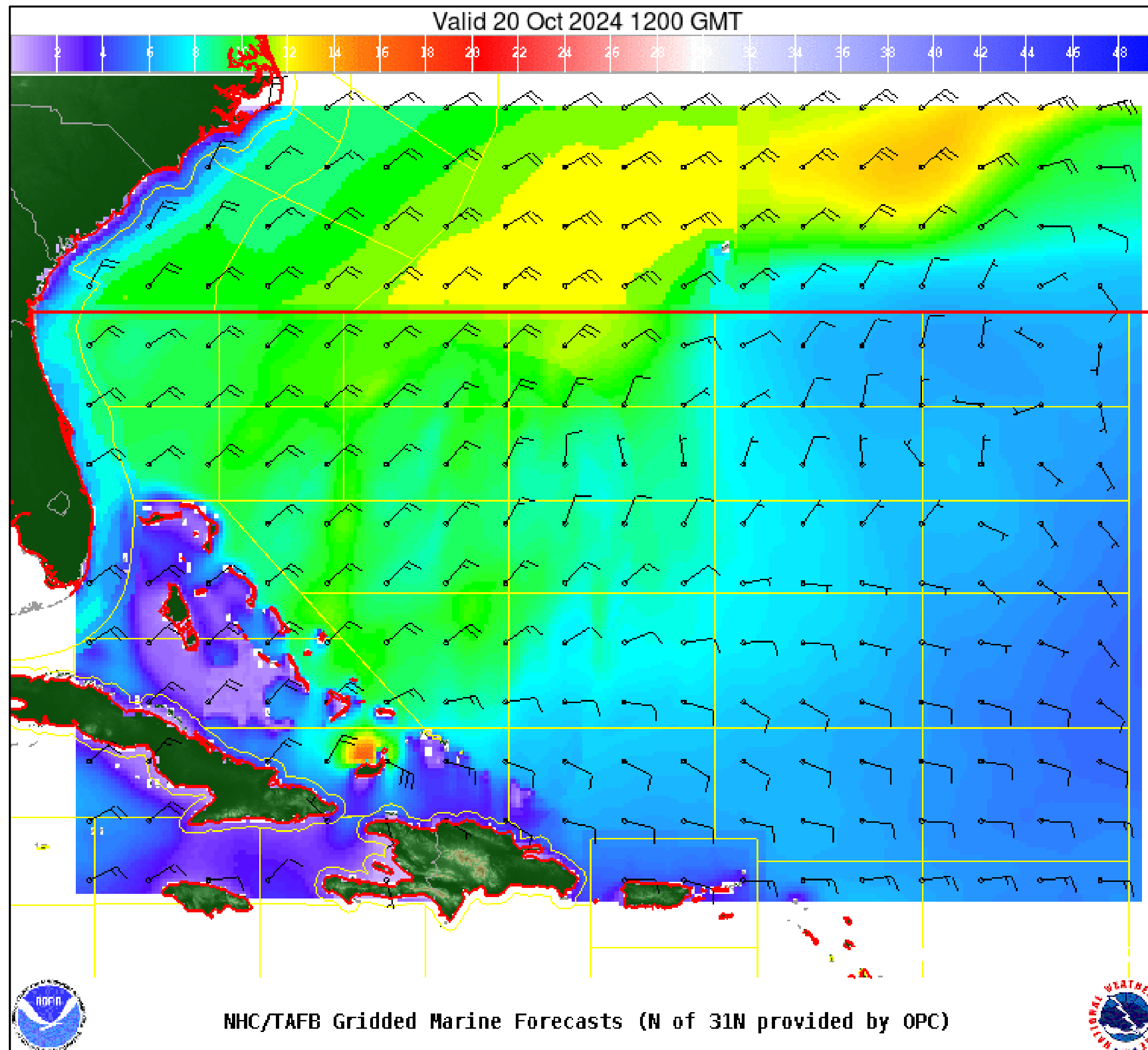
- **No wind probabilities for the ports in southern Florida.**
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Hurricane Oscar



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Current Conditions

Sunday, October 20th at 8 AM

Peak Winds: 70 kt

Peak Seas: 13 ft

- Wave heights are in feet



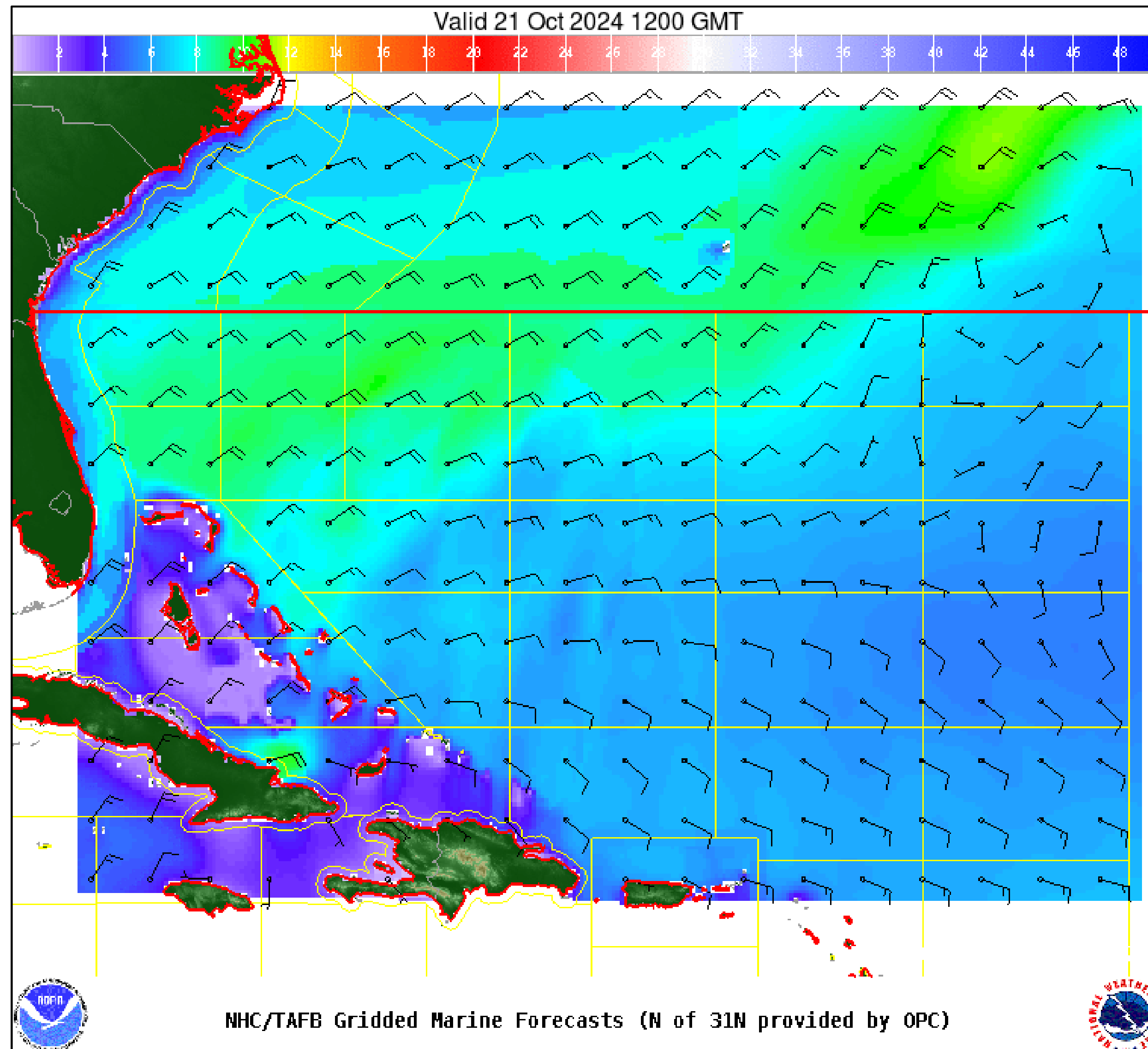
Significant Wave Height (ft)

Wind And Waves

Hurricane Oscar



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24 Hour Forecast

Monday, October 21st at 8 AM

Peak Winds: 50 kt

Peak Seas: 9 ft

- Wave heights are in feet



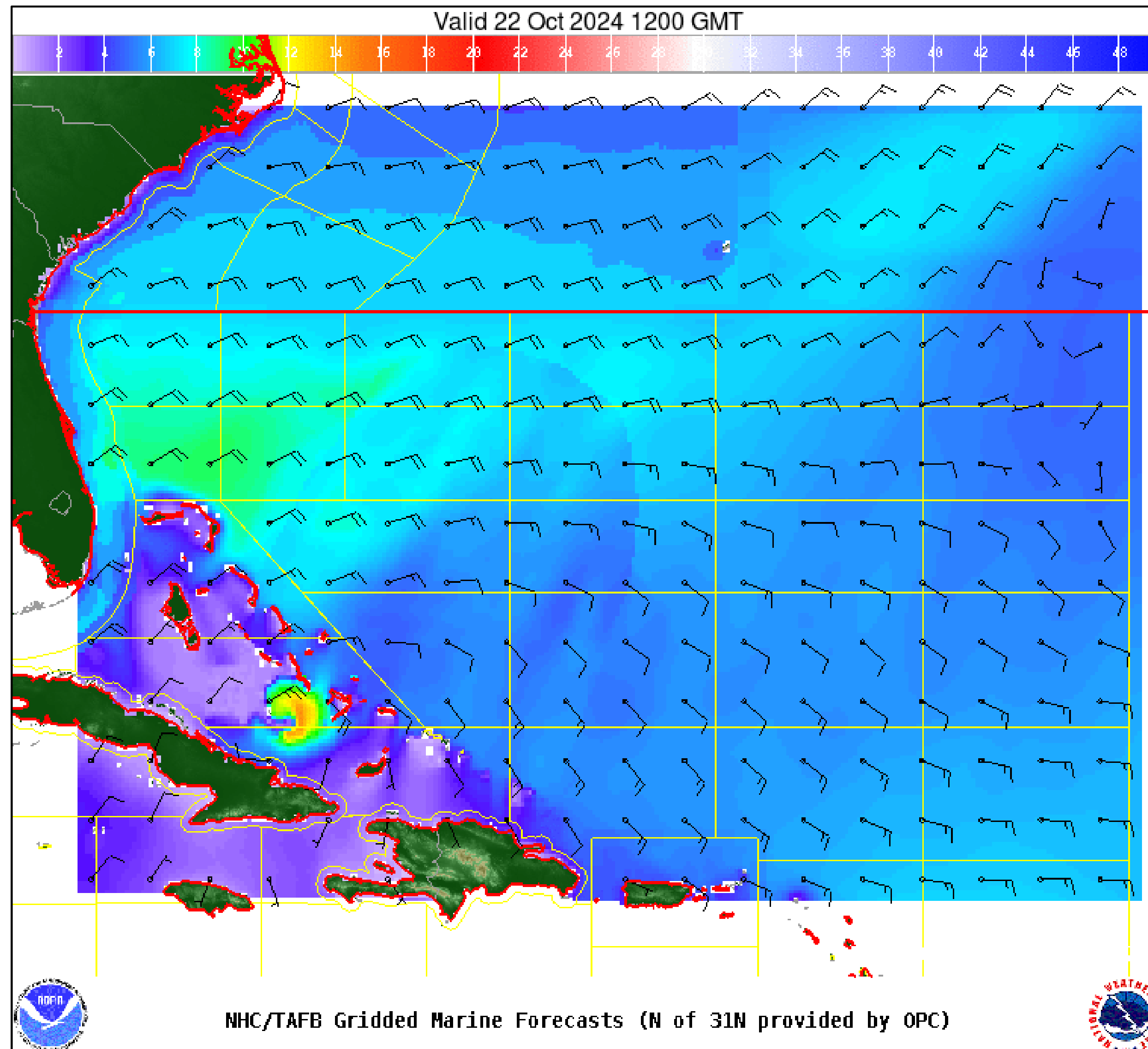
Significant Wave Height (ft)

Wind And Waves

Hurricane Oscar



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NWS National Hurricane Center



48 Hour Forecast

Tuesday, October 22nd at 8 AM

Peak Winds: 40 kt

Peak Seas: 9 ft

- Wave heights are in feet



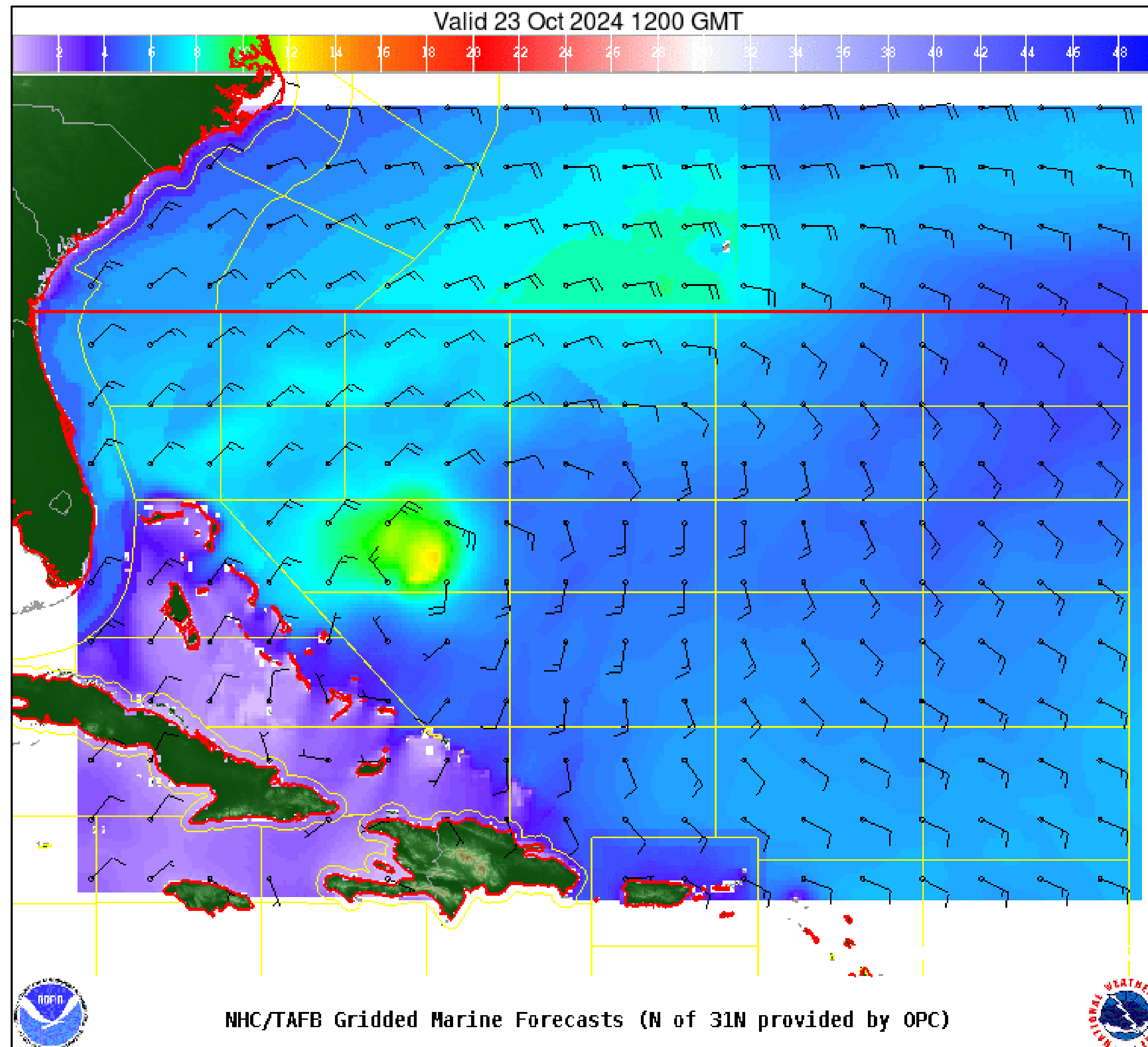
Significant Wave Height (ft)

Wind And Waves

Hurricane Oscar



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72 Hour Forecast

Wednesday, October 23rd at 8 AM

Peak Winds: 35 kt

Peak Seas: 10 ft

- Wave heights are in feet



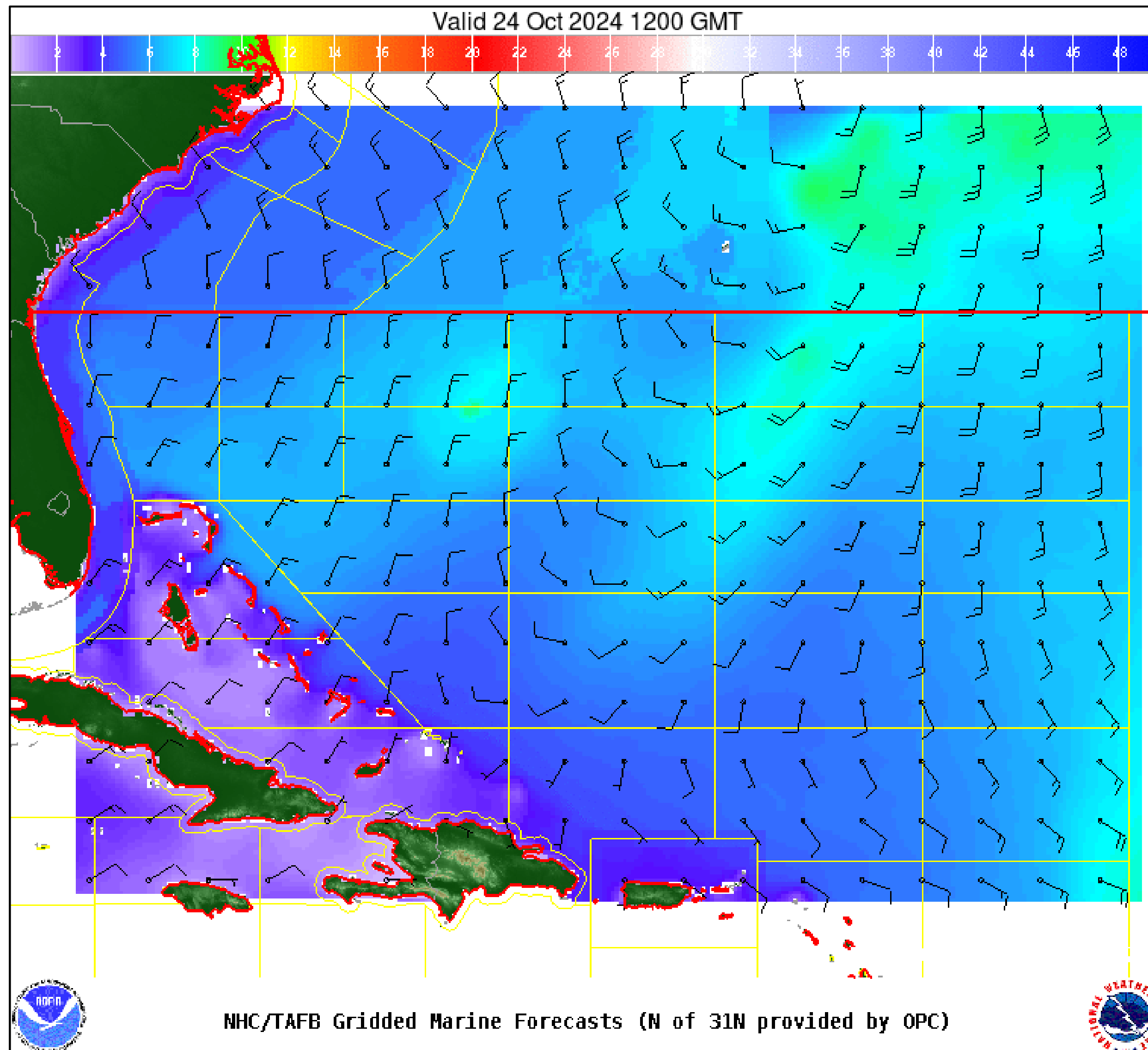
Significant Wave Height (ft)

Wind And Waves

Hurricane Oscar



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96 Hour Forecast

Thursday, October 24th at 8 AM

Peak Winds: 20 kt

Peak Seas: 8 ft

■ Wave heights are in feet





Significant Wave Height (ft)

Key Messages

Hurricane Oscar




Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Hurricane Oscar

Advisory 5: 5:00 AM EDT Sun Oct 20, 2024

1. A Hurricane Warning remains in effect for the southeastern Bahamas and for a portion of the northeastern coast of Cuba.
2. Oscar is expected to produce a dangerous storm surge on portions of the southeastern Bahamas this morning, especially Great Inagua Island, and along the north shore of Cuba later this afternoon and evening.
3. Heavy rainfall from Oscar will lead to areas of flash flooding along with possible mudslides across portions of eastern Cuba, especially within the Sierra Maestra, through Tuesday.



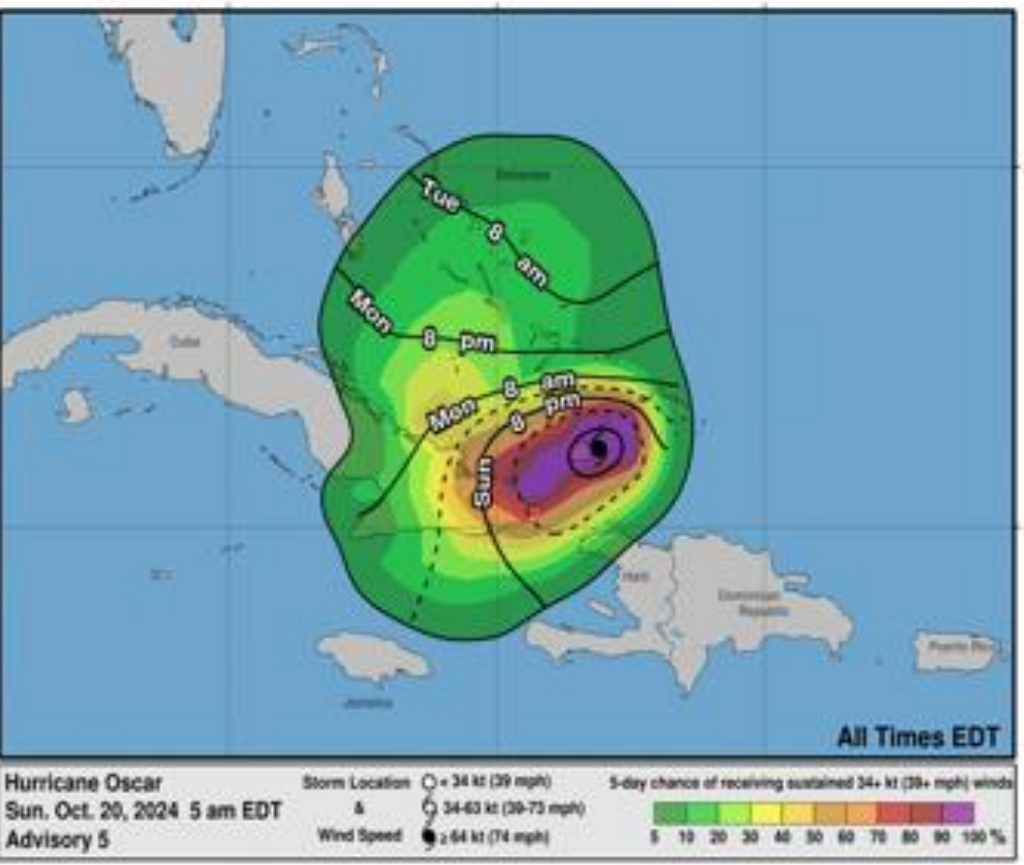
Hurricane Oscar
Sunday October 20, 2024
5 AM EDT Advisory 5
NWS National Hurricane Center

Current information: x
Center location 21.1 N 73.1 W
Maximum sustained wind 80 mph
Movement W at 12 mph

Forecast positions:
● Tropical Cyclone ○ Post-Potential TC
Sustained winds: D < 39 mph
S 39-73 mph H 74-110 mph M > 110 mph

Potential track area: Day 1-3 Day 4-5
Watches: Hurricane Trop Stm
Warnings: Hurricane Trop Stm
Current wind field estimate: Hurricane Trop Stm

Most Likely Arrival Time of Tropical-Storm-Force Winds



Hurricane Oscar
Sun, Oct. 20, 2024 5 am EDT
Advisory 5

Storm Location: ○ = 34 kt (39 mph)
● = 34-43 kt (39-73 mph)
● = 44-63 kt (74-110 mph)
Wind Speed: ● = 64 kt (74 mph)

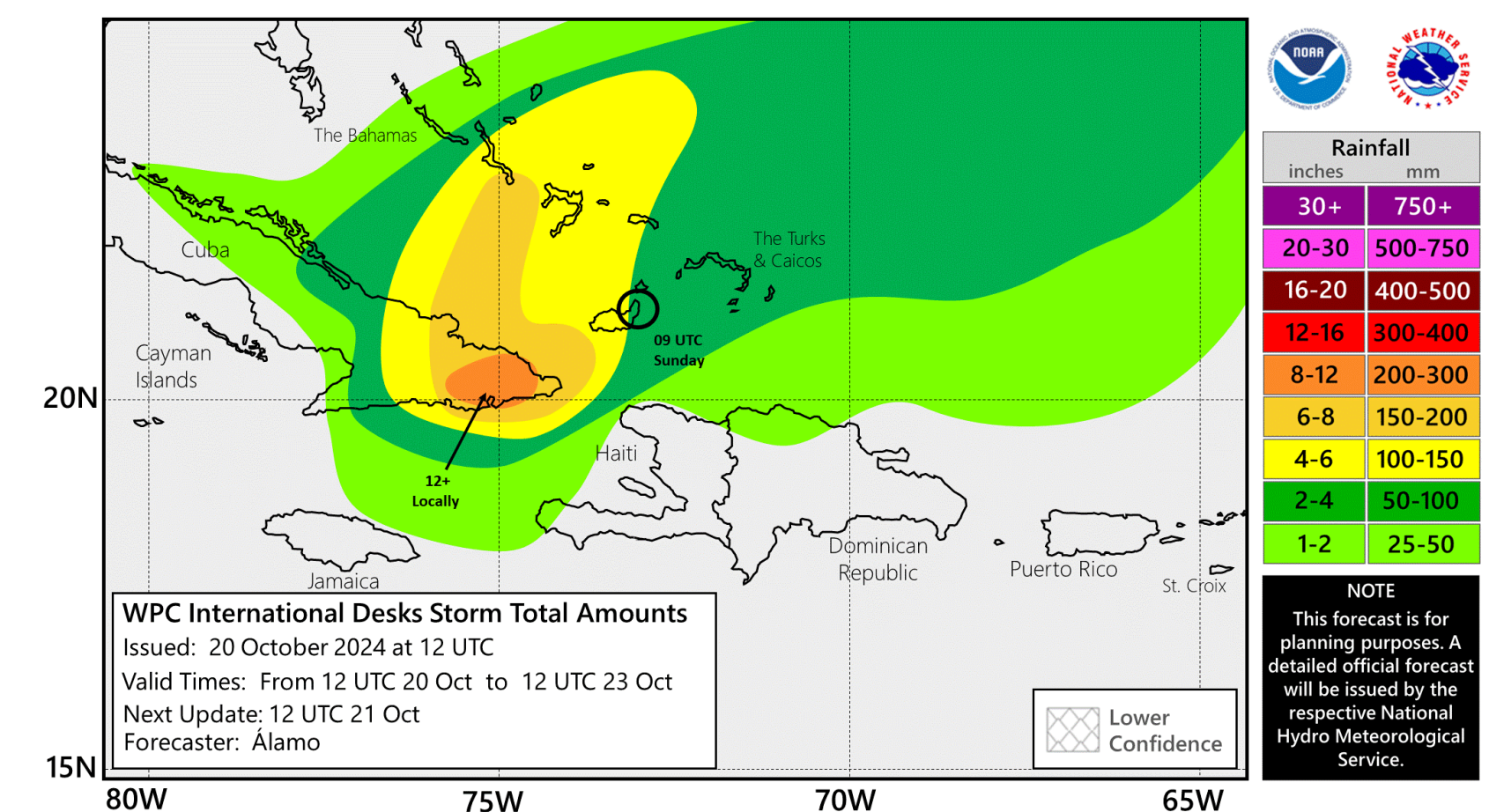
5-day chance of receiving sustained 34+ kt (39+ mph) winds
5 10 20 30 40 50 60 70 80 90 100 %

For more information go to hurricanes.gov

• Marine Key Messages:

- Oscar remains a small category I hurricane on a WSW track toward eastern Cuba
- Oscar is expected to weaken over eastern Cuba but could still be a tropical storm as it leaves Cuba on Monday and moves across the central Bahamas afterwards
- Oscar is forecast to turn north and northeast early next week, keeping the system away from Florida

Hurricane Oscar Forecast Rainfall





HURRICANE OSCAR BRIEFING

You can contact the Tropical Analysis and Forecast Branch at
305-229-4424

This briefing was prepared by:

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TIME of NEXT NHC Advisory:

15 UTC: 11 AM EDT / 10 AM CDT

You can always find get the latest graphics and information for this storm at www.hurricanes.gov



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