



TROPICAL UPDATE



11:00 AM EDT

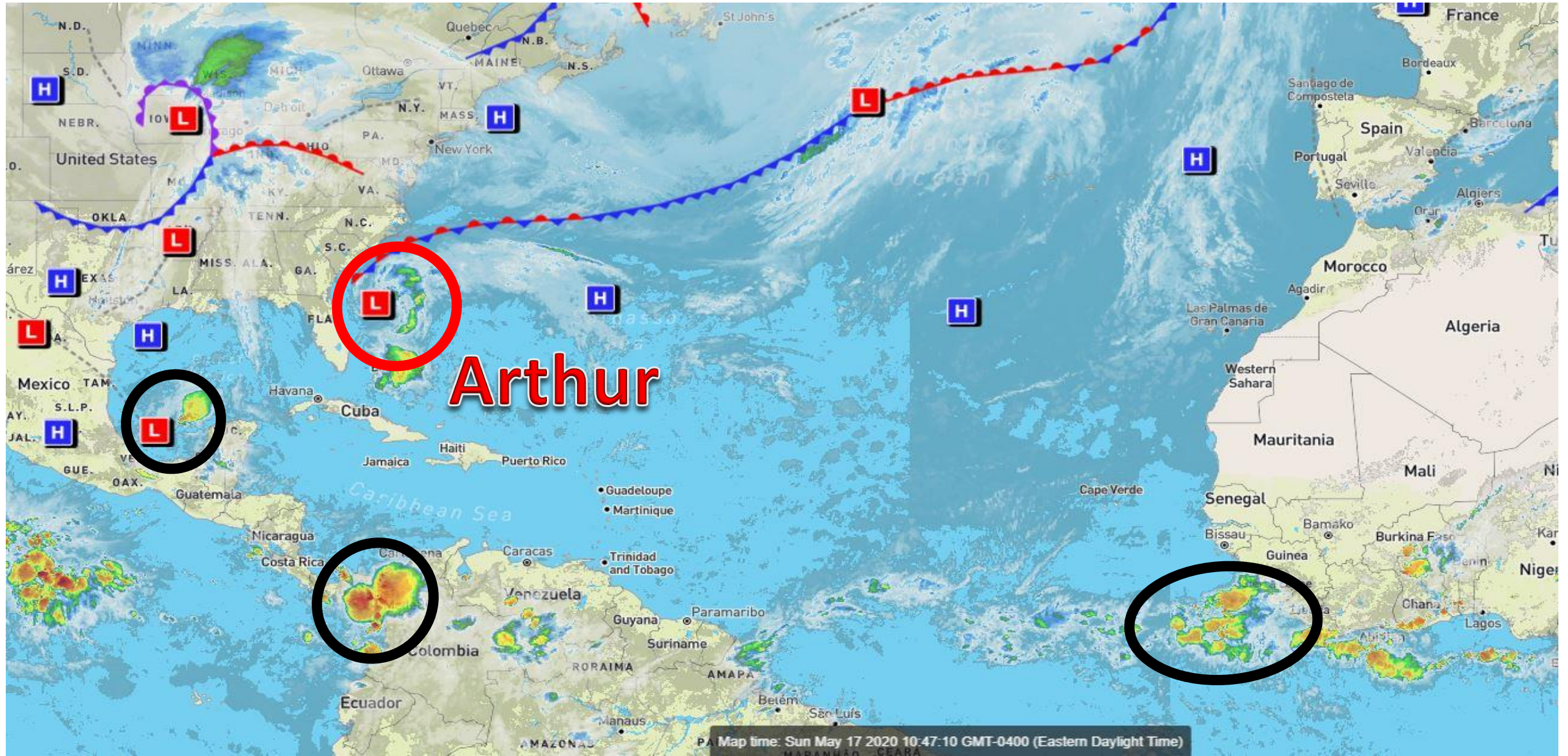
Sunday, May 17, 2020

Tropical Storm Arthur

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office, or visit the National Hurricane Center website at www.hurricanes.gov.

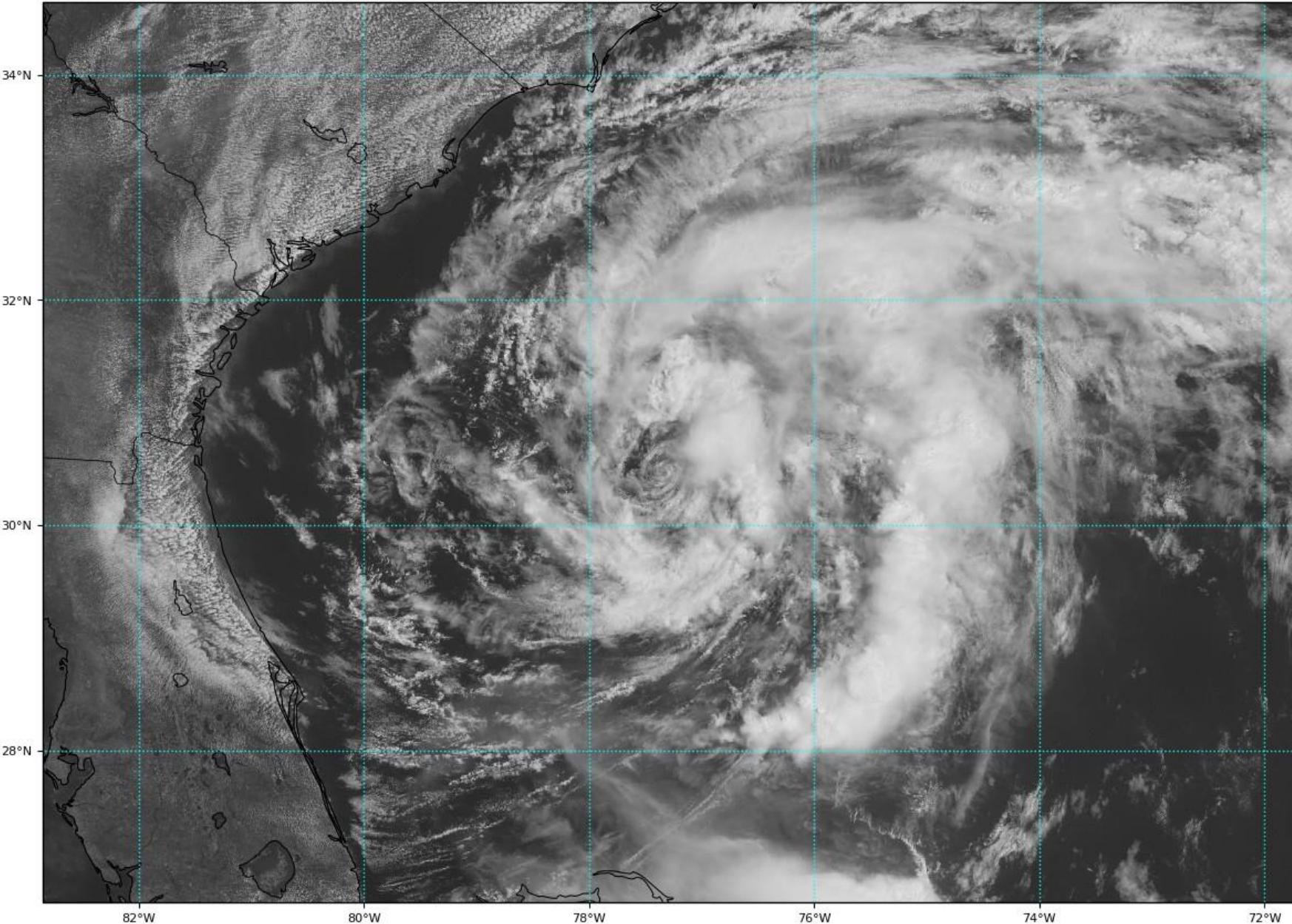
Atlantic Basin Satellite Image

Chance of development: — None — Low — Medium — High



GOES-16 Channel 2 (visible) Reflectance at 14:47Z May 17, 2020

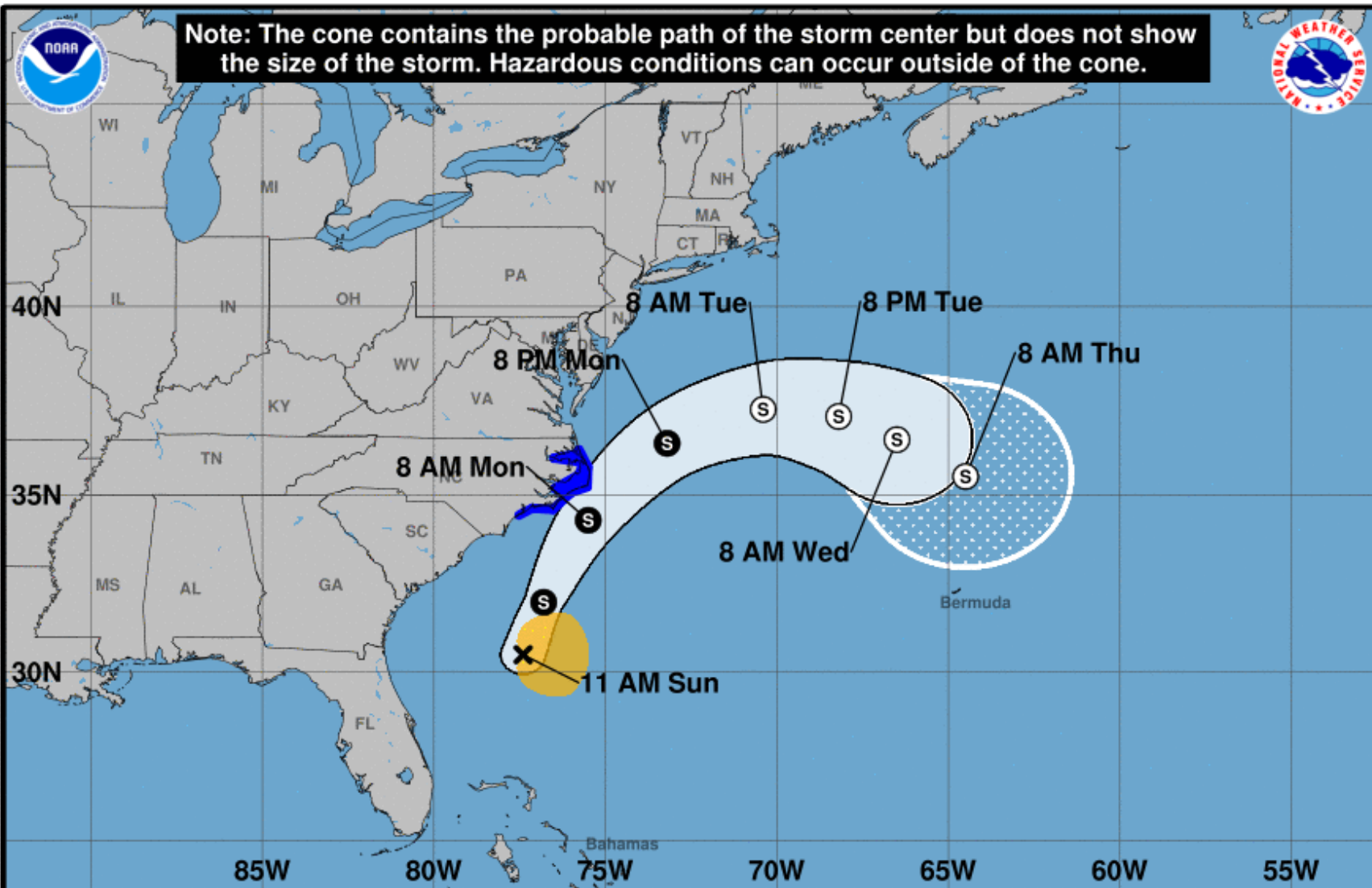
TROPICALTIDBITS.COM



Visible Satellite: Tropical Storm Arthur

While better organized than yesterday, the system remains asymmetrical with most of the showers and thunderstorms located east of the center.

The system is well offshore from Florida.



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.

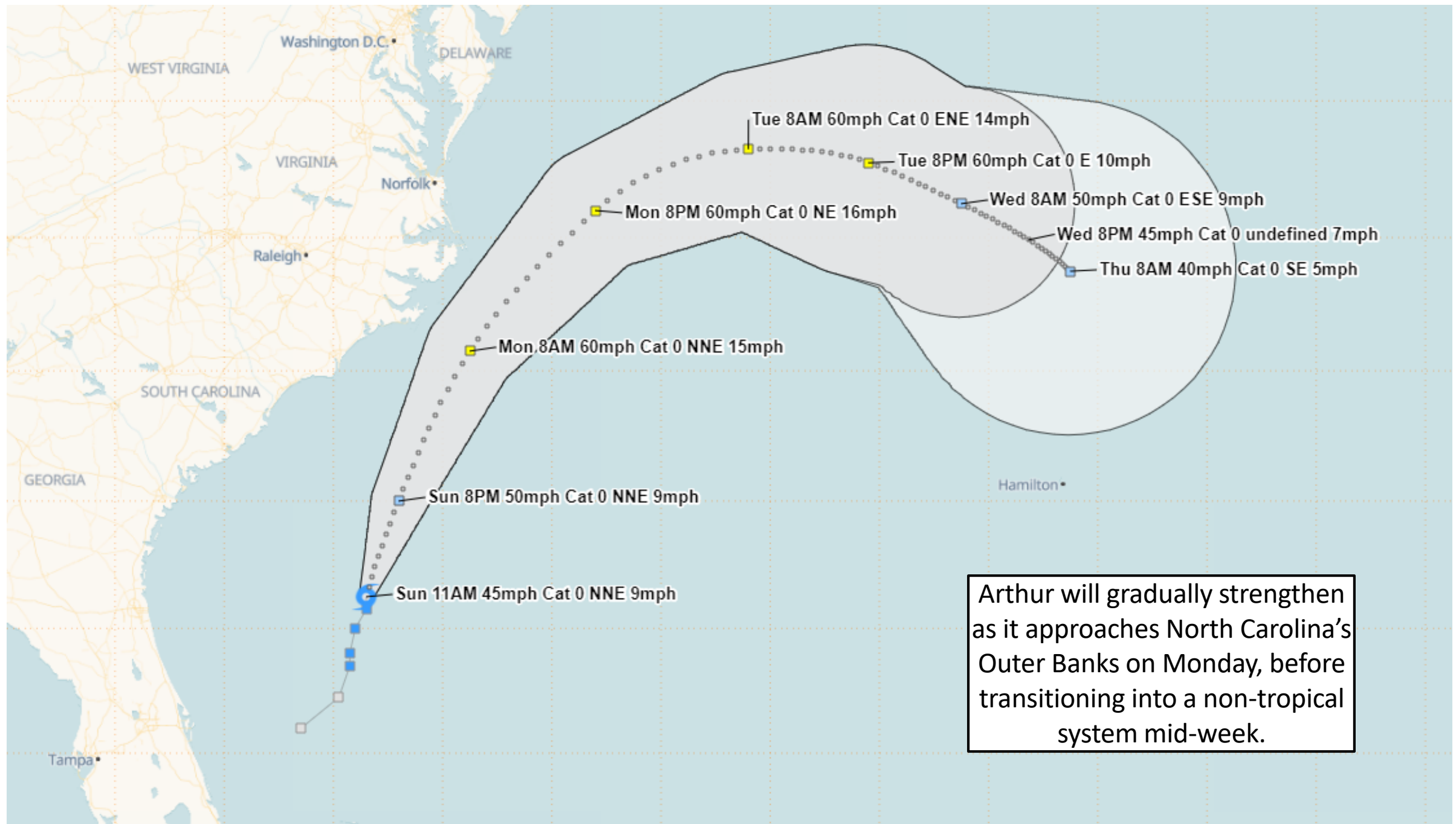


Projected Path: Tropical Storm Arthur

The center of Tropical Storm Arthur is located about 250 miles east of Jacksonville, moving north-northeast at 9 mph. Maximum sustained winds are currently 45 mph. Some gradual strengthening is forecast over the next 48 hours.

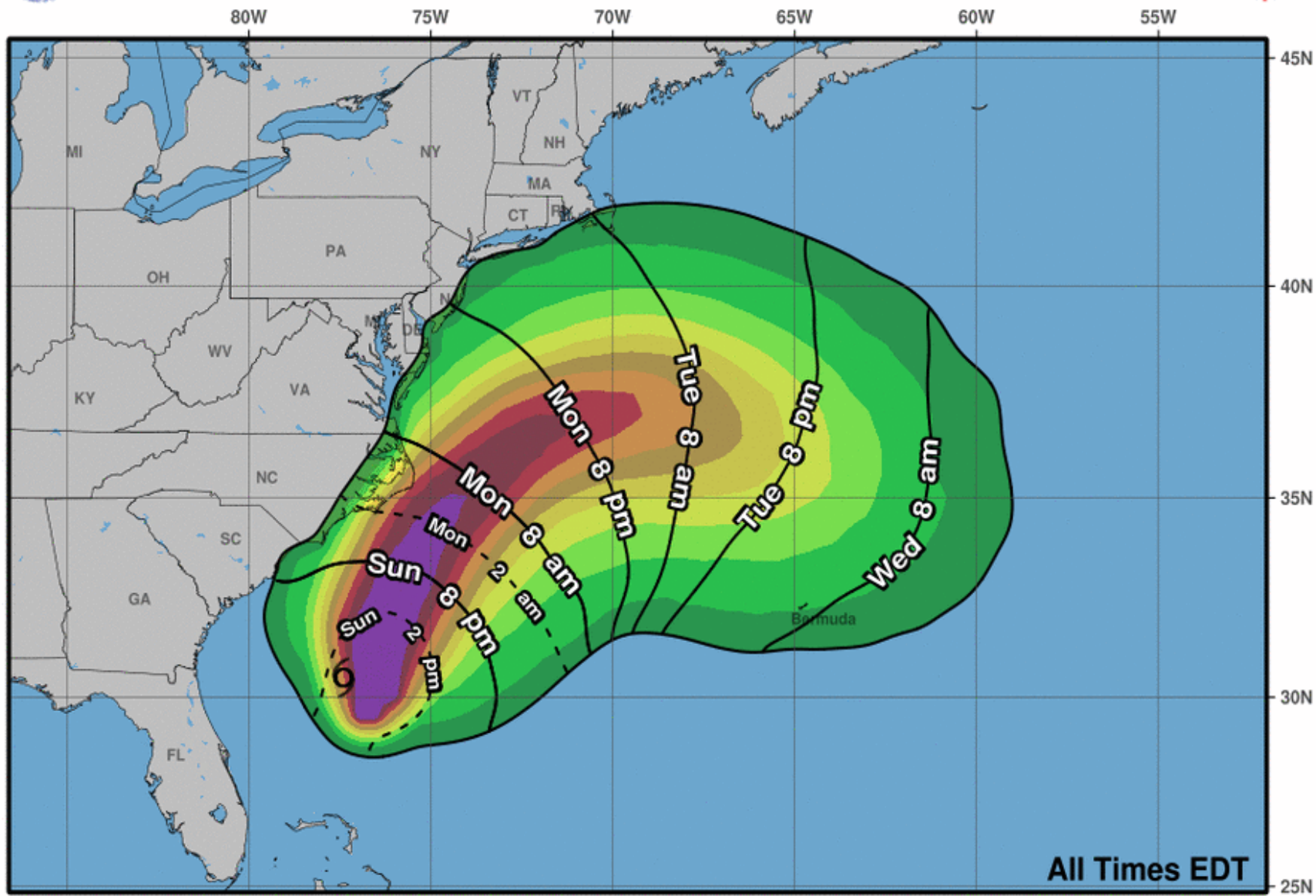
Tropical Storm Warnings have been issued for the Outer Banks of North Carolina.

Tropical Storm Arthur Sunday May 17, 2020 11 AM EDT Advisory 4 NWS National Hurricane Center		Current information: x Center location 30.5 N 77.4 W Maximum sustained wind 45 mph Movement NNE at 9 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 extent: Hurricane Trop Stm					





Most Likely Arrival Time of Tropical-Storm-Force Winds

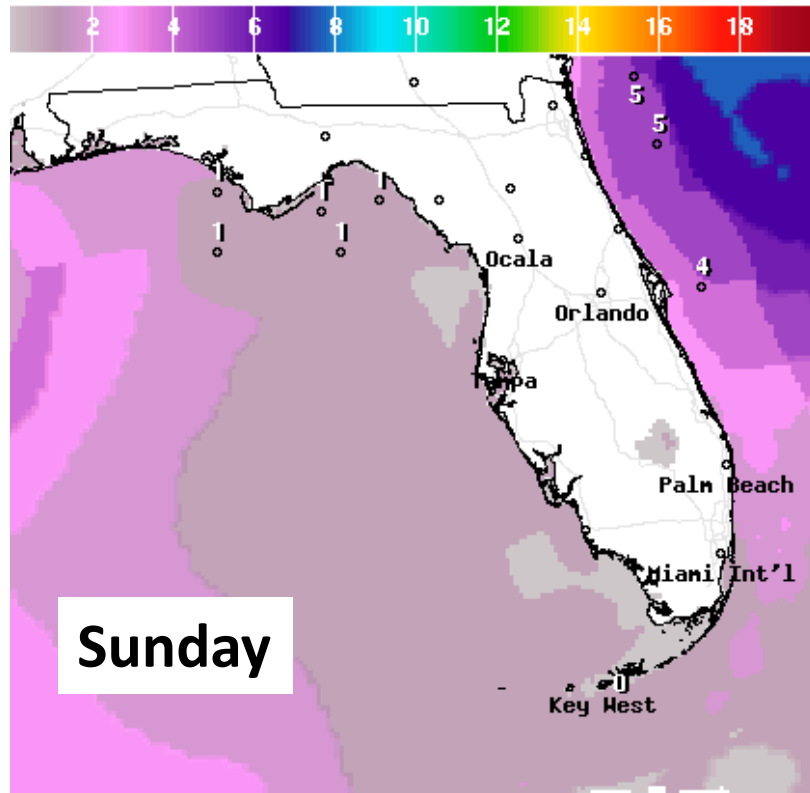


Tropical Storm Arthur
Sun. May. 17, 2020 11 am EDT
Advisory 4

Storm Location & Wind Speed
○ < 34 kt (39 mph)
◉ 34-63 kt (39-73 mph)
● ≥ 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 %

Forecast Wave Heights



Sunday

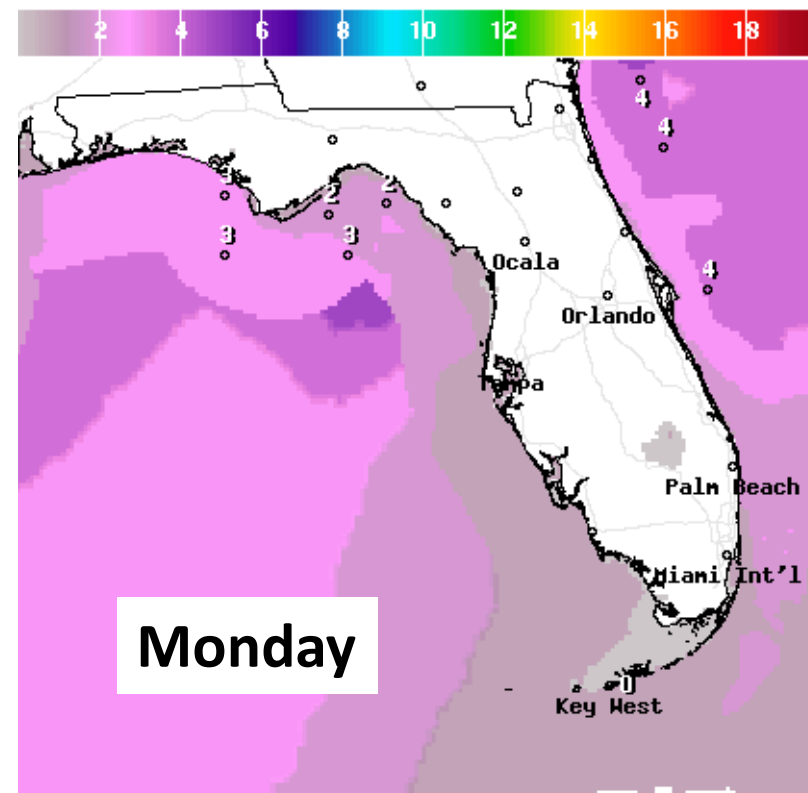
Wave Height(ft) Ending Sun May 17 2020 8PM EDT
(Mon May 18 2020 00Z)



National Digital Forecast Database

15z issuance

Graphic created-May 17 11:15AM EDT



Monday

Wave Height(ft) Ending Mon May 18 2020 8PM EDT
(Tue May 19 2020 00Z)



National Digital Forecast Database

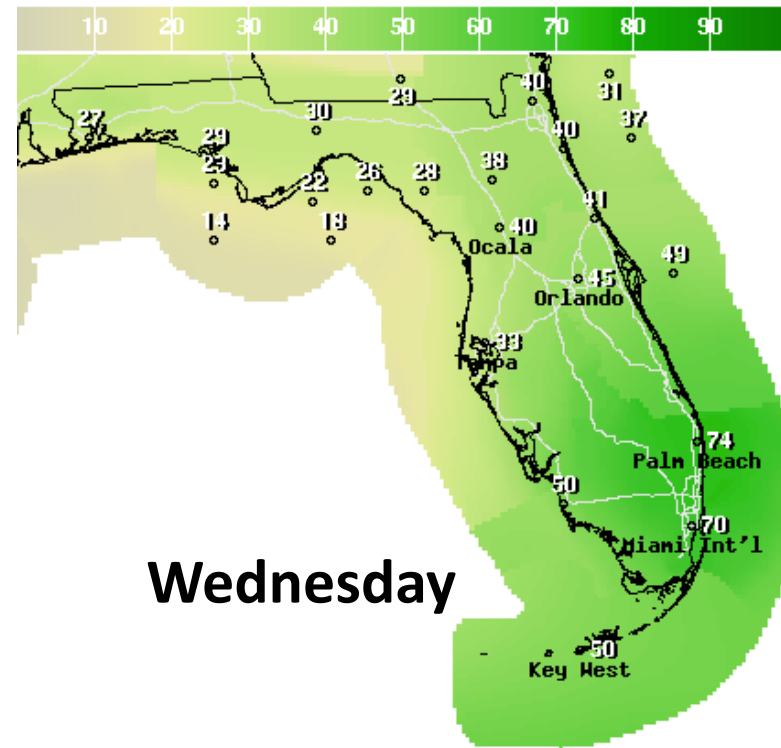
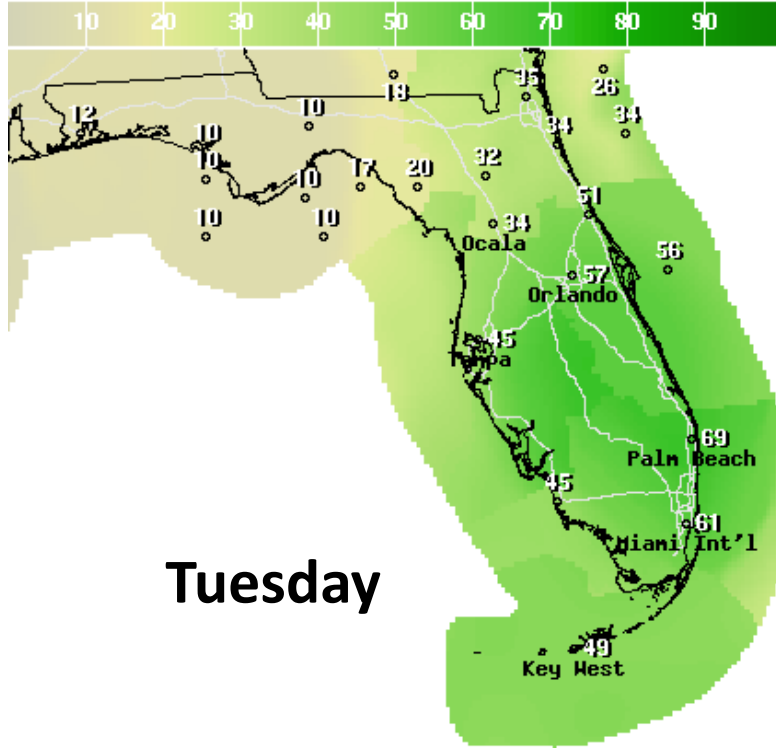
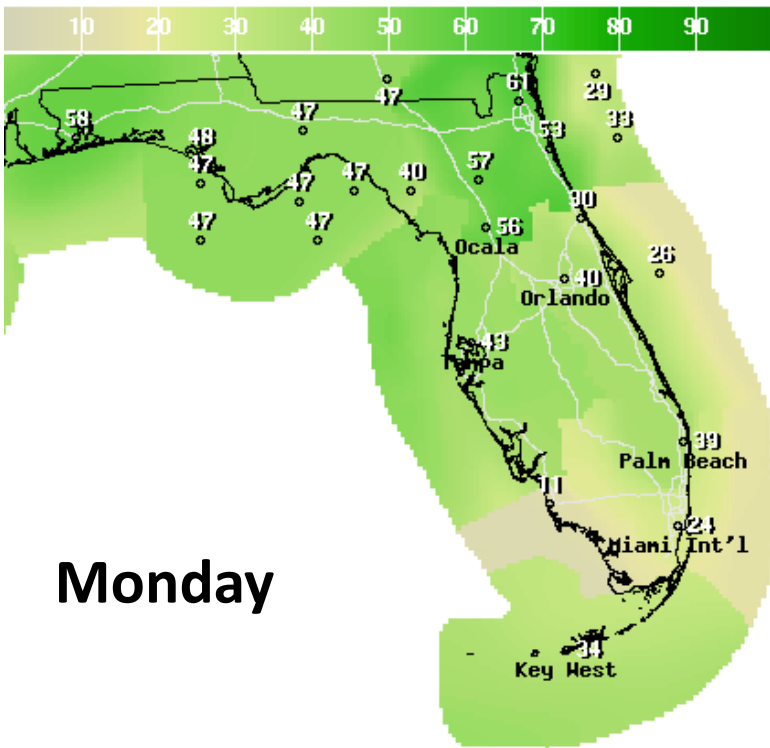
15z issuance

Graphic created-May 17 11:16AM EDT



Waves will remain elevated for the next day or two as Tropical Storm Arthur moves to the northeast. This will result in a **high rip current risk for Northeast Florida beaches through Sunday**. Conditions improve through mid-week.



Rain Chances This Week



12Hr Prob.Precip(%) Ending Mon May 18 2020 8PM EDT
(Tue May 19 2020 00Z)

 **National Digital Forecast Database** 
15z issuance Graphic created-May 17 11:18AM EDT

12Hr Prob.Precip(%) Ending Tue May 19 2020 8PM EDT
(Wed May 20 2020 00Z)

 **National Digital Forecast Database** 
15z issuance Graphic created-May 17 11:18AM EDT

12Hr Prob.Precip(%) Ending Wed May 20 2020 8PM EDT
(Thu May 21 2020 00Z)

 **National Digital Forecast Database** 

13z issuance Graphic created-May 17 9:32AM EDT

A weak cold front will move through the state on Monday before stalling across South Florida on Tuesday and Wednesday. Numerous showers and thunderstorms are expected, particularly during the afternoon and evenings. Widespread strong to severe thunderstorms are not expected, but some gusty winds, locally heavy downpours, and frequent lightning may accompany the stronger storms.

Summary

Tropical Storm Arthur

- Hurricane Hunters found that Tropical Depression #1 strengthened into Tropical Storm Arthur overnight.
- Tropical Storm Arthur is located about 250 miles east of Jacksonville, FL, moving north-northeast at 9 mph.
- Maximum sustained winds are near 45 mph, and some gradual strengthening is forecast.
- Tropical Storm Warnings have been issued for the Outer Banks of North Carolina. Arthur will make its closest approach to North Carolina on Monday, bringing tropical storm winds and heavy rain.

Florida Outlook:

- Swells from Arthur will result in a moderate to high rip current risk at Northeast Florida beaches through mid-week.
- There are no other areas being monitored for tropical development over the next 5 days

The next tropics packet will be issued Monday morning. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



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State Meteorological Support Unit

Florida Division of Emergency Management

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