

Hurricane Matthew

Tuesday, October 4, 2016

0500

Update

- New NHC track... inching more west again. Major hurricane expected to impact parts of Florida in some way starting maybe Thursday, then the focus shifts to GA/SC/NC/VA. Matthew is strengthening with pressure down to 934mb. **Winds at 145mph and movement north at 7mph.**
- Tropical storm or hurricane conditions could affect portions of Georgia, South Carolina, and North Carolina later this week or this weekend, even if the center of Matthew remains offshore.
- Impacts we could see in Virginia Beach: High Surf, Beach Erosion, High Risk for Rip Currents, and Tidal Flooding. Wind and Rain will be highly dependent on how close this storm gets to our area along with its path and intensity.

A satellite image of Hurricane Matthew, showing a well-defined eye and a dense eyewall. The storm is centered over the Caribbean Sea, with its eye positioned just north of Port-au-Prince, Haiti. The surrounding clouds are depicted in various colors, from green and yellow to red and purple, indicating different cloud heights and temperatures. The map includes labels for Guantánamo, Kingston, Port-au-Prince, San Juan, and Aruba. A white line tracks the storm's path from the southwest towards the northeast. A red box highlights the storm's name, and several black boxes provide key meteorological data.

HURRICANE MATTHEW

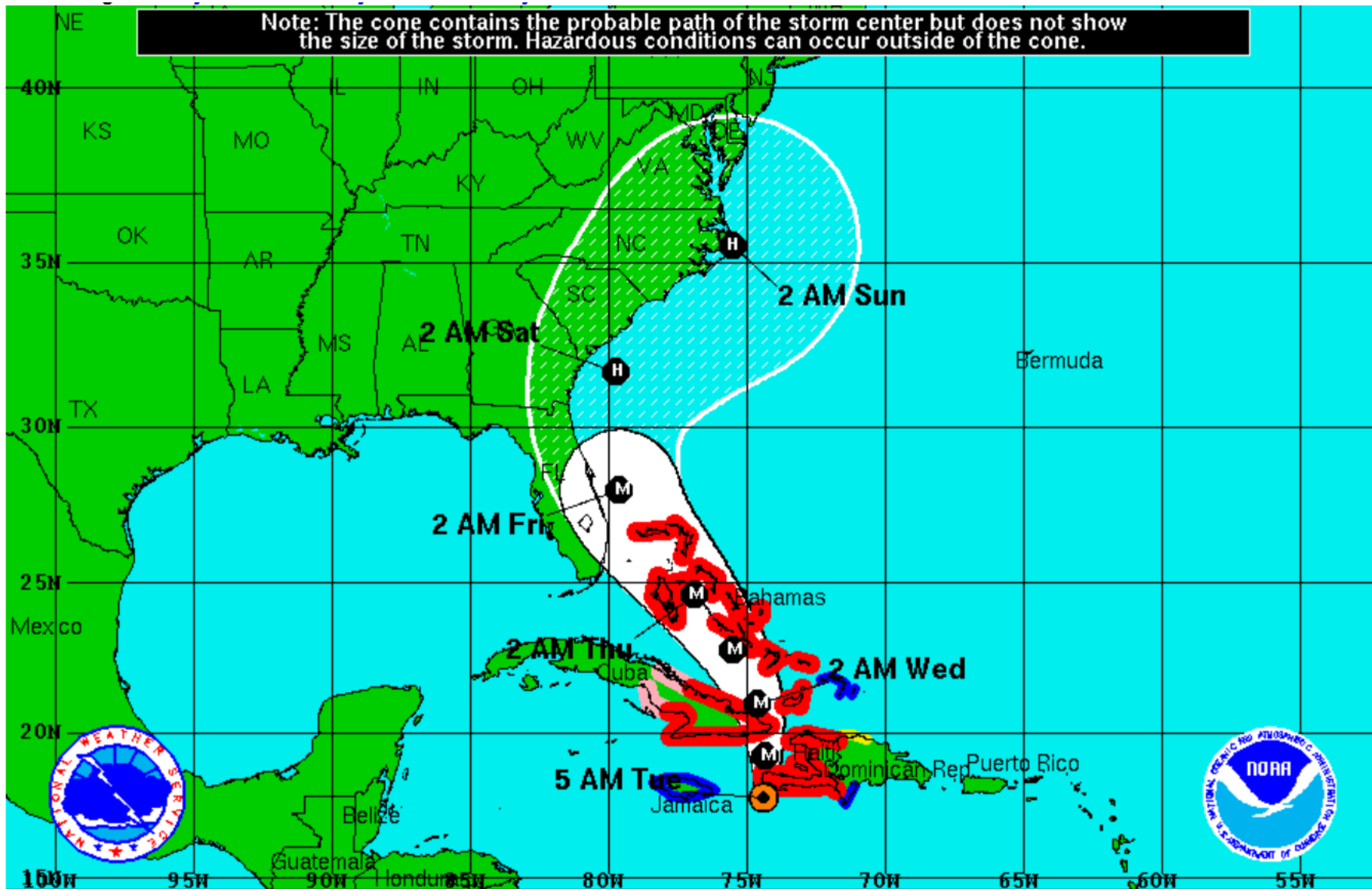
5:00 AM EDT

LAT: 17.8°N LON: 74.4°W
35 MI S OF TIBURON HAITI

WINDS: 145 MPH
PRESSURE: 934 mb
MOVING: N at 9 MPH

4-Oct-16 5:41 EDT

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.



Hurricane Matthew

Tuesday October 4, 2016
 5 AM EDT Advisory 25
 NWS National Hurricane Center

Current Information: ●
 Center Location 17.8 N 74.4 W
 Max Sustained Wind 145 mph
 Movement N at 9 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:

▭ Day 1-3 ▨ Day 4-5

Watches:

▭ Hurricane ▭ Trop.Storm

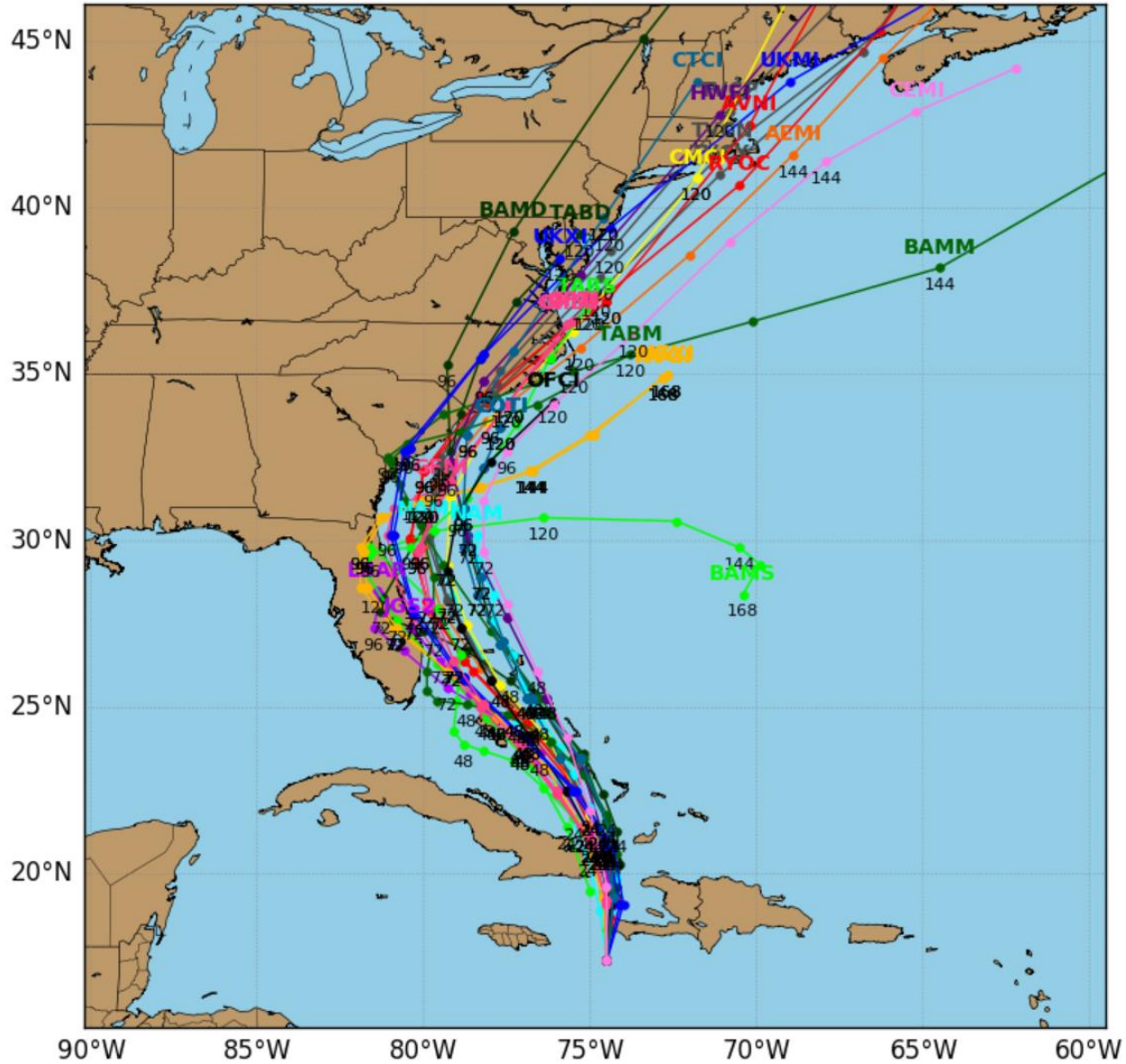
Warnings:

▭ Hurricane ▭ Trop.Storm

Hurricane MATTHEW Model Track Guidance

Initialized at 06z Oct 04 2016

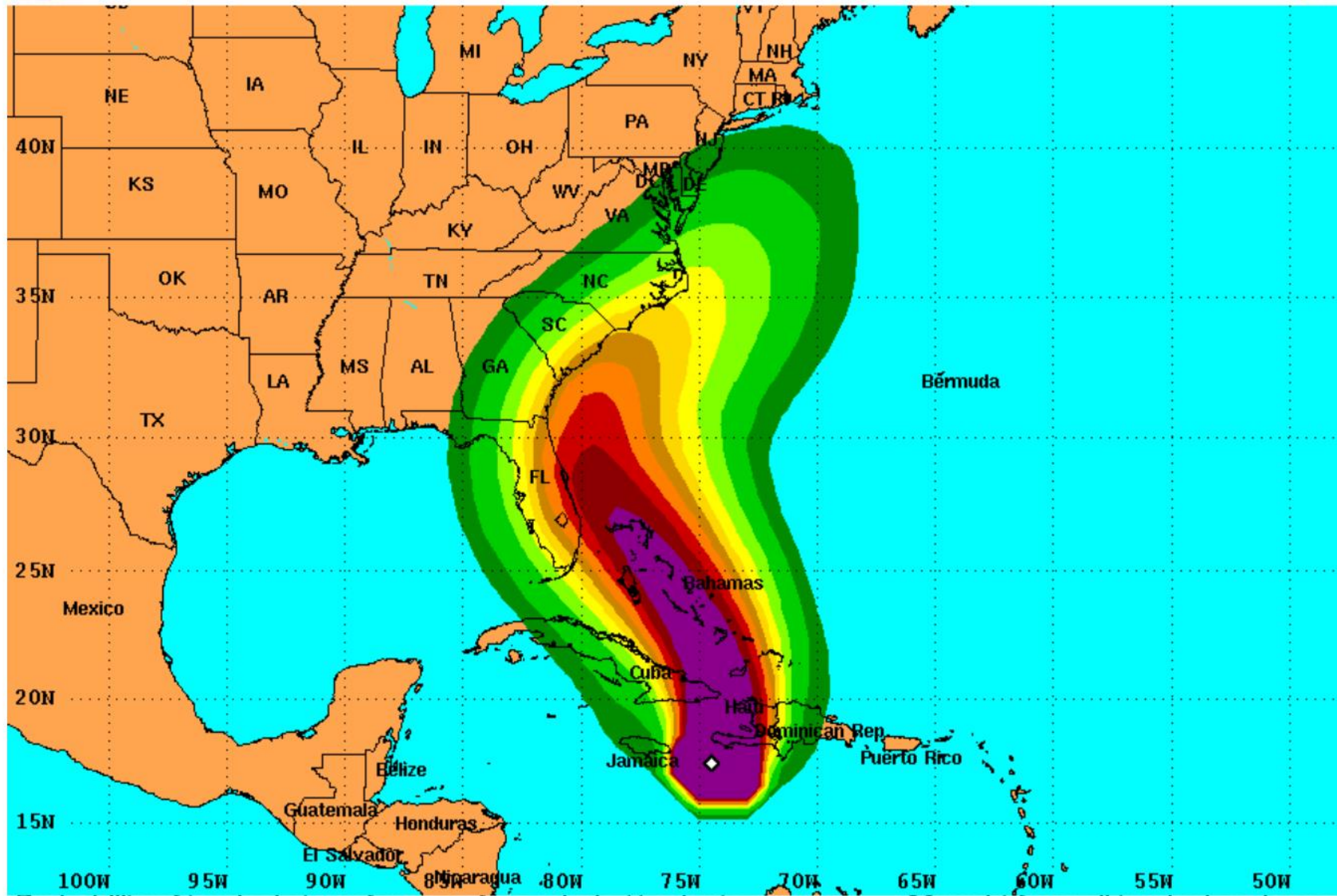
Levi Cowan - tropicaltidbits.com





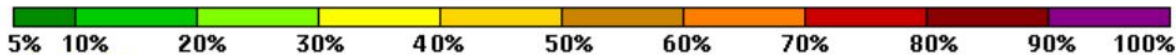
Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Tue Oct 4 to 2 AM EDT Sun Oct 9



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

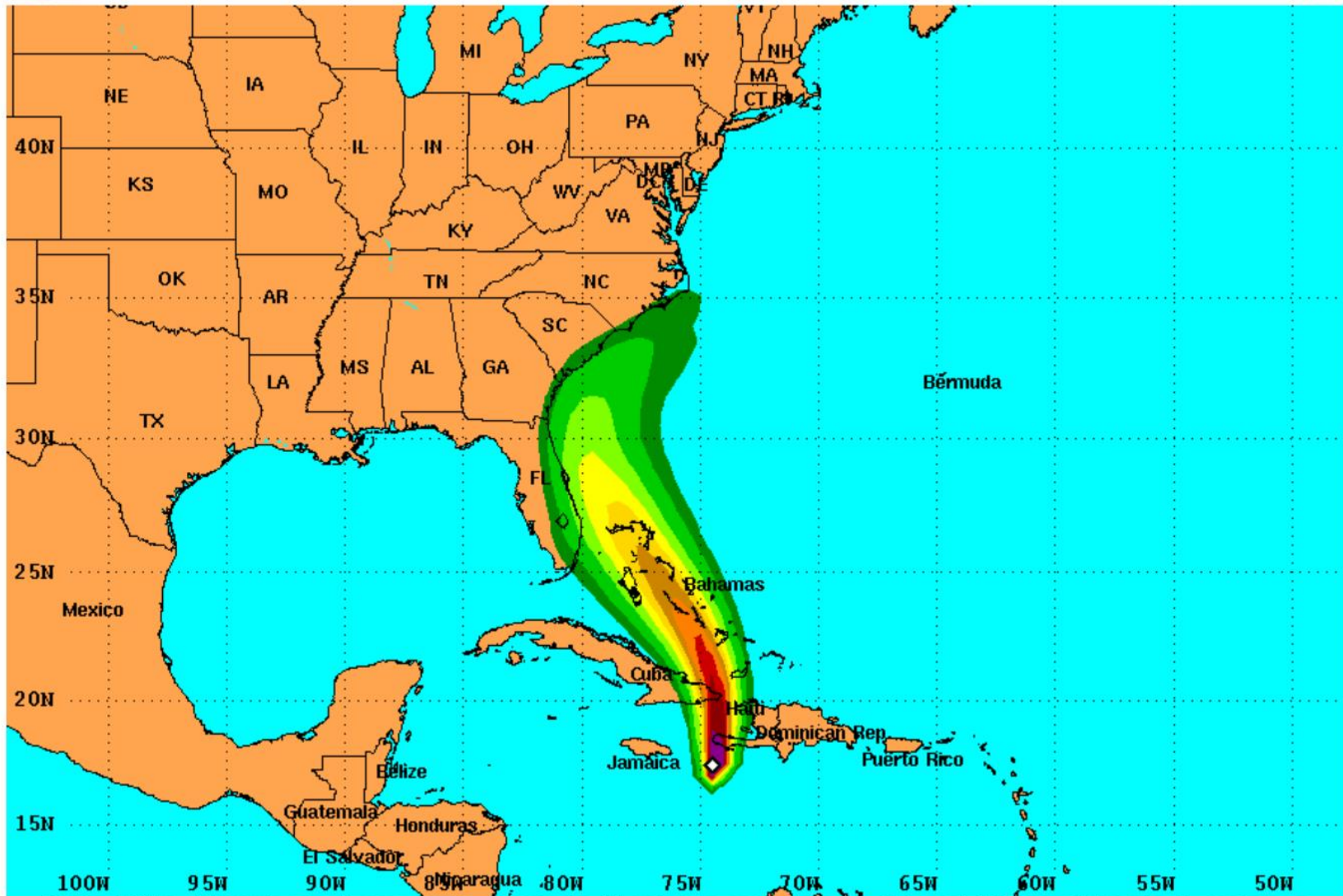
◇ indicates HURRICANE MATTHEW center location at 2 AM EDT Tue Oct 4 2016 (Forecast/Advisory #25)





Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Tue Oct 4 to 2 AM EDT Sun Oct 9



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

◇ indicates HURRICANE MATTHEW center location at 2 AM EDT Tue Oct 4 2016 (Forecast/Advisory #25)

