



TROPICAL UPDATE

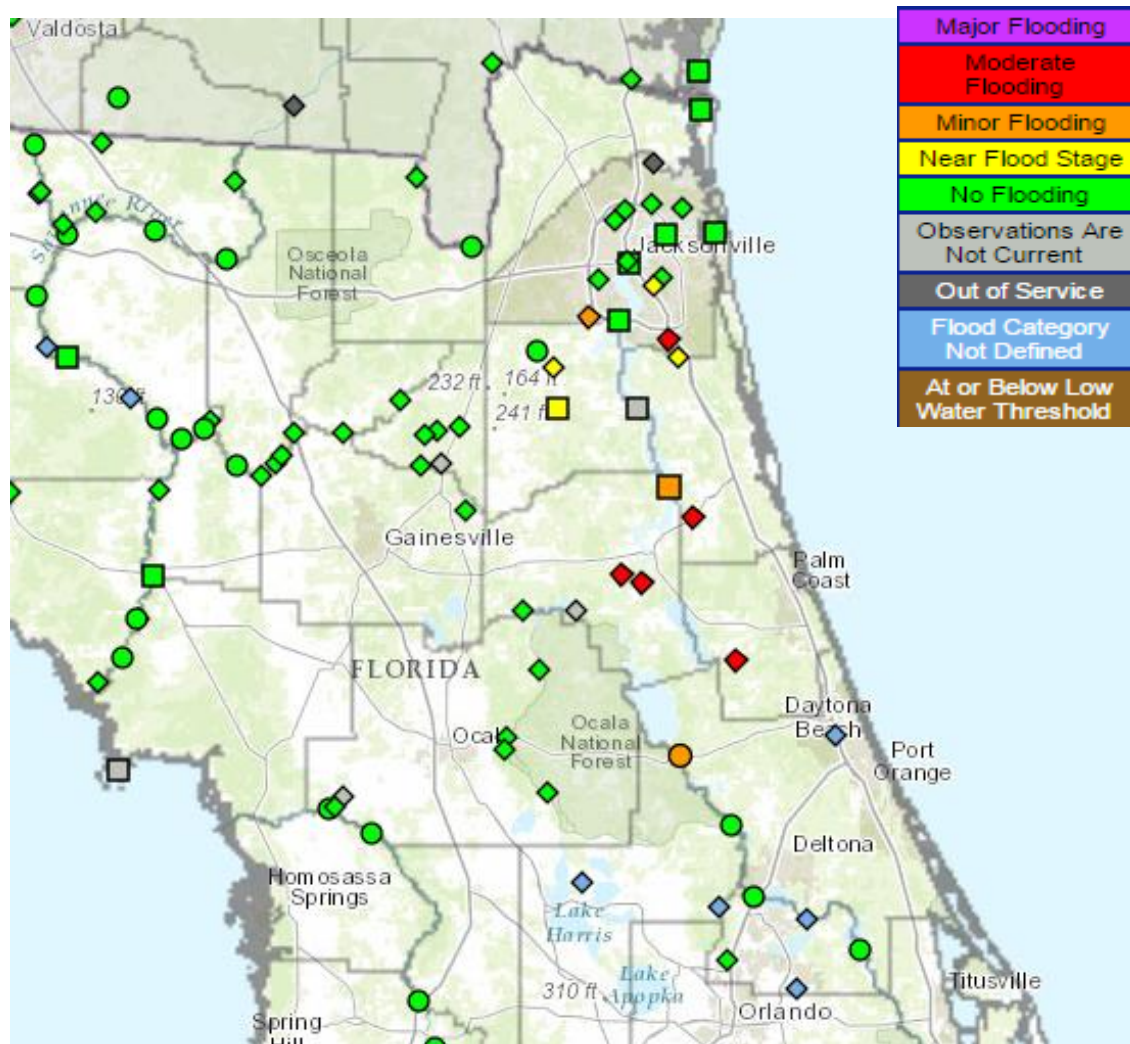
12 PM EDT

Sunday, October 9, 2016

**Post-Tropical Storm Matthew
& Tropical Storm Nicole**

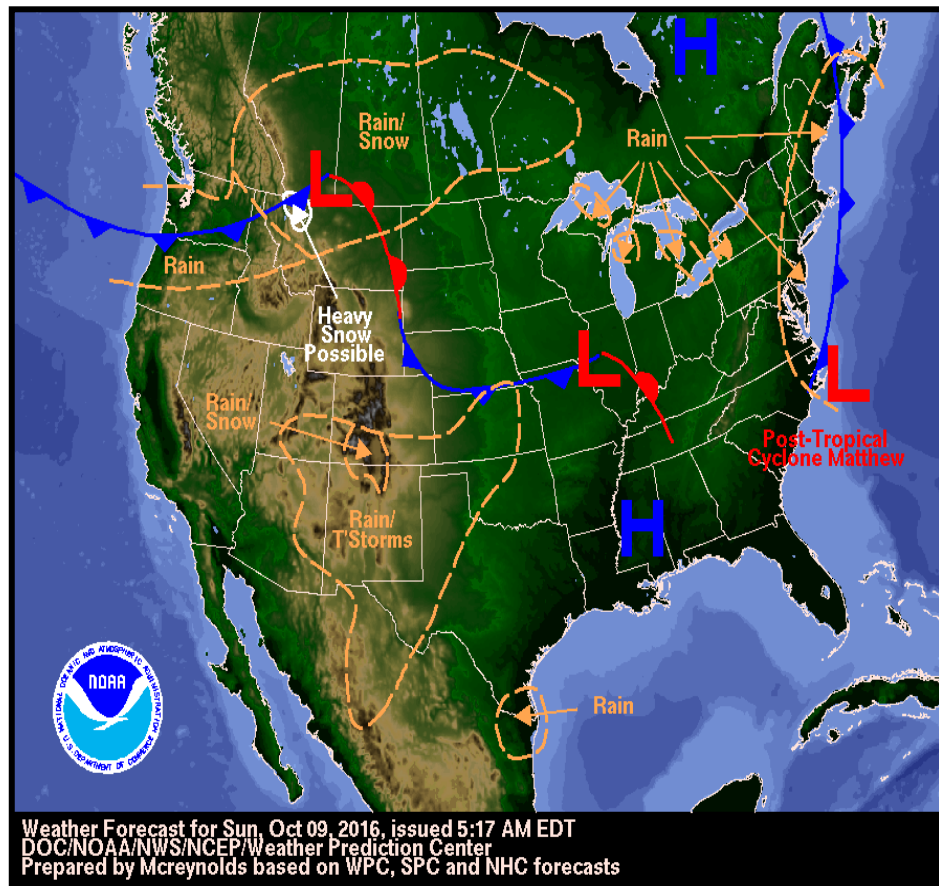
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an 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.nhc.noaa.gov.

River Flooding in Northeast Florida



The St. Johns River, along with many estuaries, creeks, and smaller rivers in coastal Duval, St. Johns, Clay, Putnam, and Flagler Counties have crested and are levels are falling. Julington, Deep, & Haw Creeks are in moderate flood stage and falling, while all other points in NE Florida are dropping into minor to no flood stages. However, many of these rivers will oscillate in response to tidal fluctuations such as St. Johns River at Buffalo Bluff and Dunns Creek at Satsuma.

Meteorology

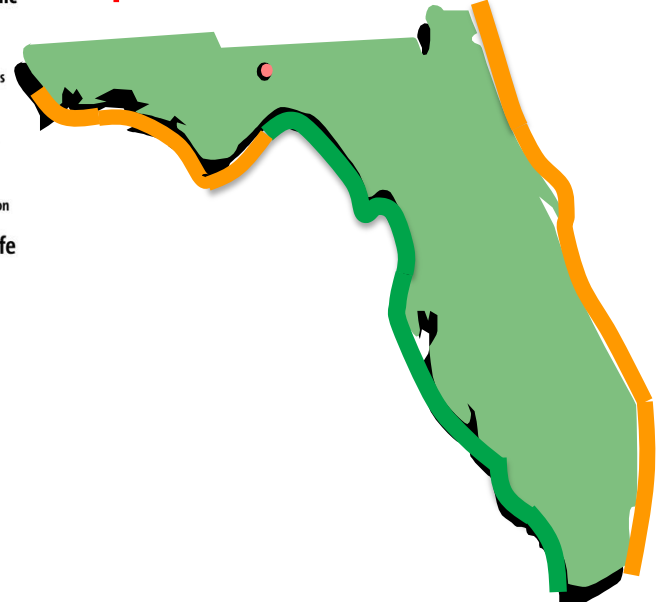


Sunday's Weather Map

Beach Warning Flags

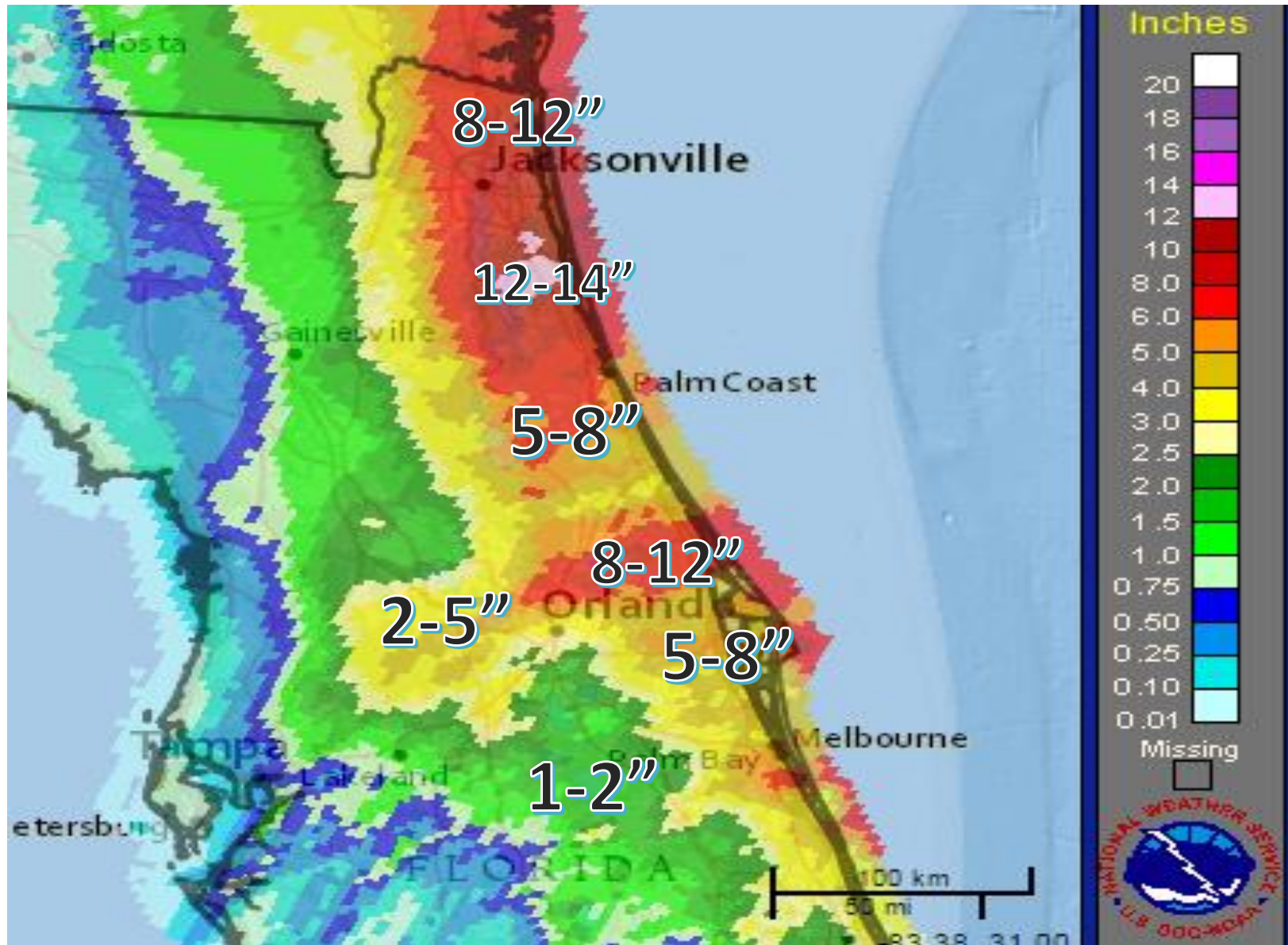
- Water closed to public
- High Hazard
High surf and/or strong currents
- Medium Hazard
Moderate surf and/or currents
- Low Hazard
Calm conditions, exercise caution
- Dangerous marine life

Rip Current Outlook

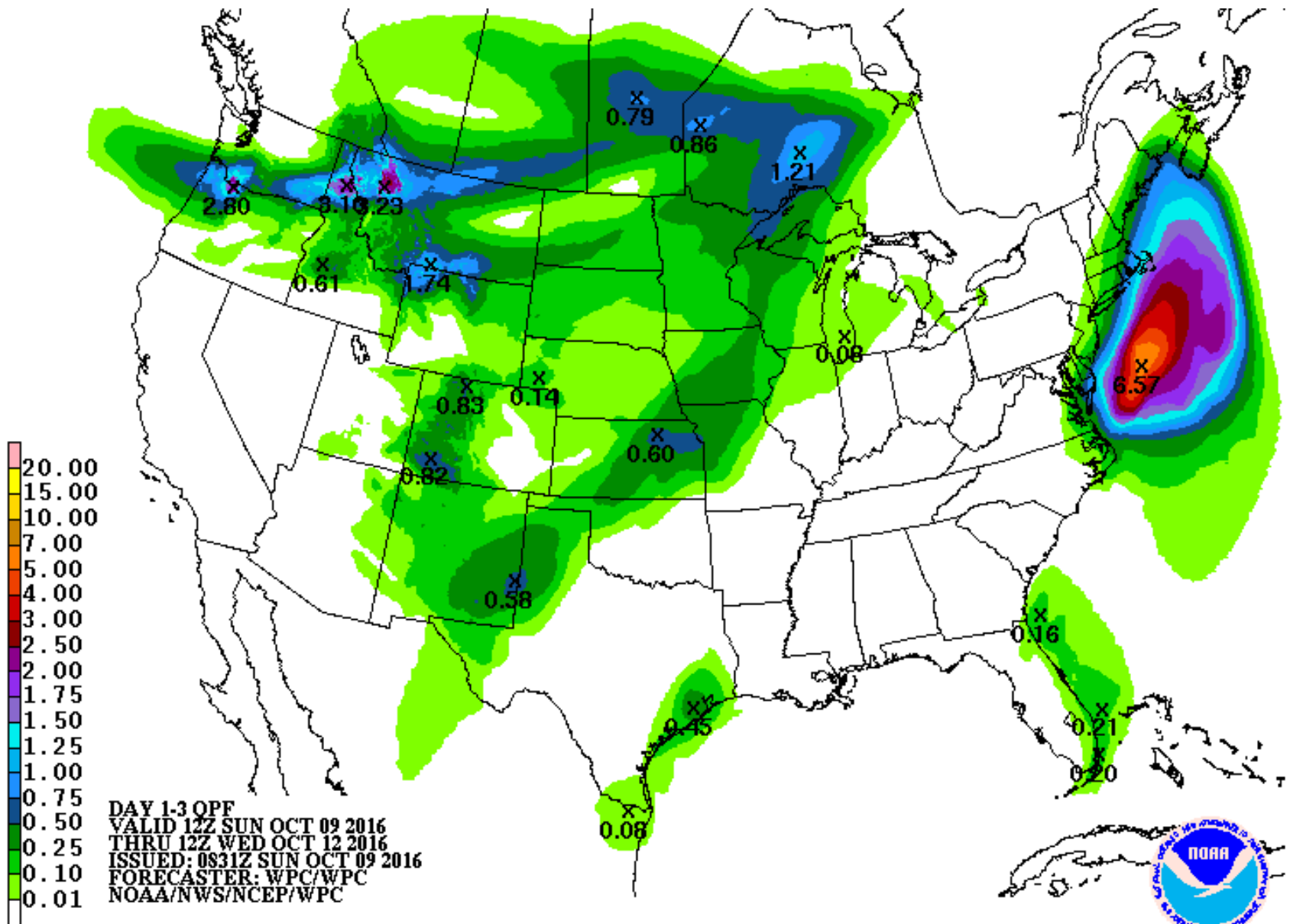


Rip Currents: A **moderate risk of rip currents** is forecast for all Panhandle and East Coast beaches. A **low risk of rip currents** is expected for west coast beaches. *Beach goers are urged to check with local beach rescue for the latest surf conditions and to always swim within sight of a lifeguard. Remember, double red flags means the beach is closed.*

Hurricane Matthew Estimated Rainfall

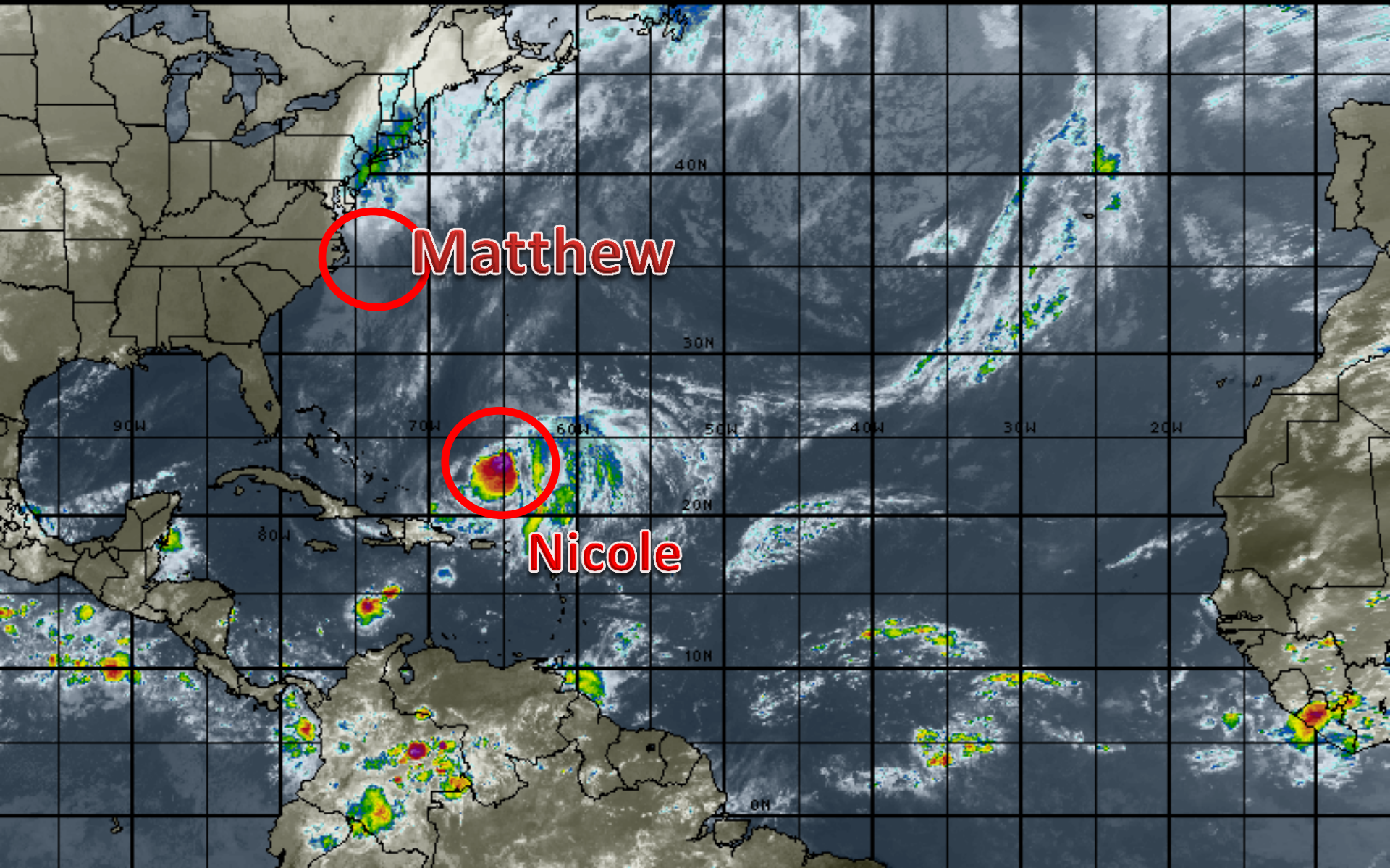


Next 3 Day Forecast Rainfall



Atlantic Basin Satellite Image

15:00 09-OCT-2016 GMT Copyright © 1998-2016 MSI Corporation <http://www.usi.com>



Post-Tropical Cyclone Matthew

11 AM EDT Sun Oct 09 2016

Position 35.2 N 73.7 W

Maximum Winds 75 mph

Gusts 90 mph

Movement E at 14 mph

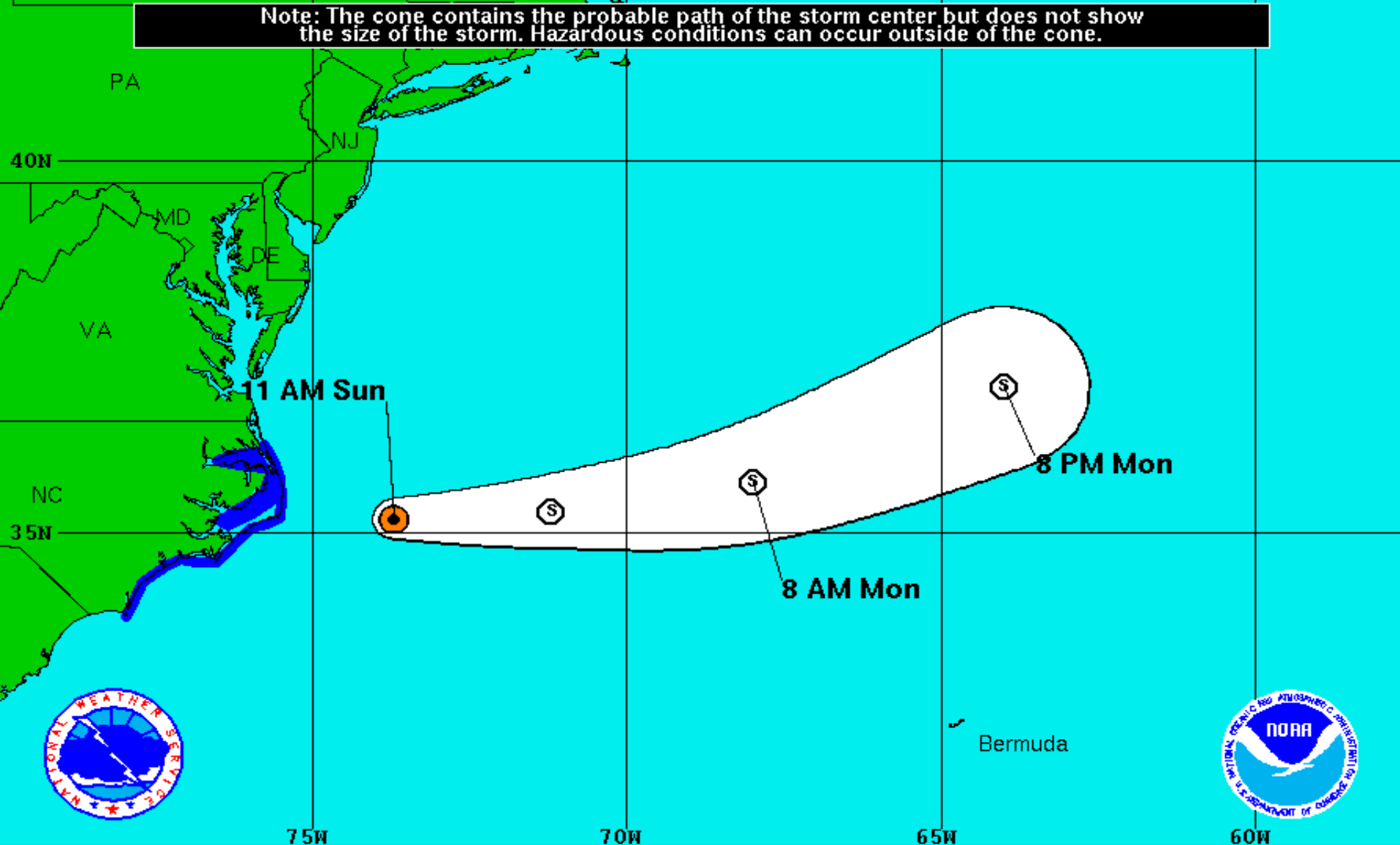
Minimum Pressure 984 mb (29.05 inches)

Blue Marble basemap imagery courtesy NASA

Satellite 3:37 PM UTC
11:37 AM EDT

Matthew

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.



Post-Tropical Cyclone Matthew

Sunday October 9, 2016

11 AM EDT Advisory 46

NWS National Hurricane Center

Current Information:

Center Location 35.2 N 73.7 W

Max Sustained Wind 75 mph

Movement E at 15 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

Tropical Storm Nicole

11 AM EDT Sun Oct 09 2016

Position 24.0N 65.4W

Maximum Winds 60 mph

Gusts 70 mph

Movement Nearly Stationary at 0 mph

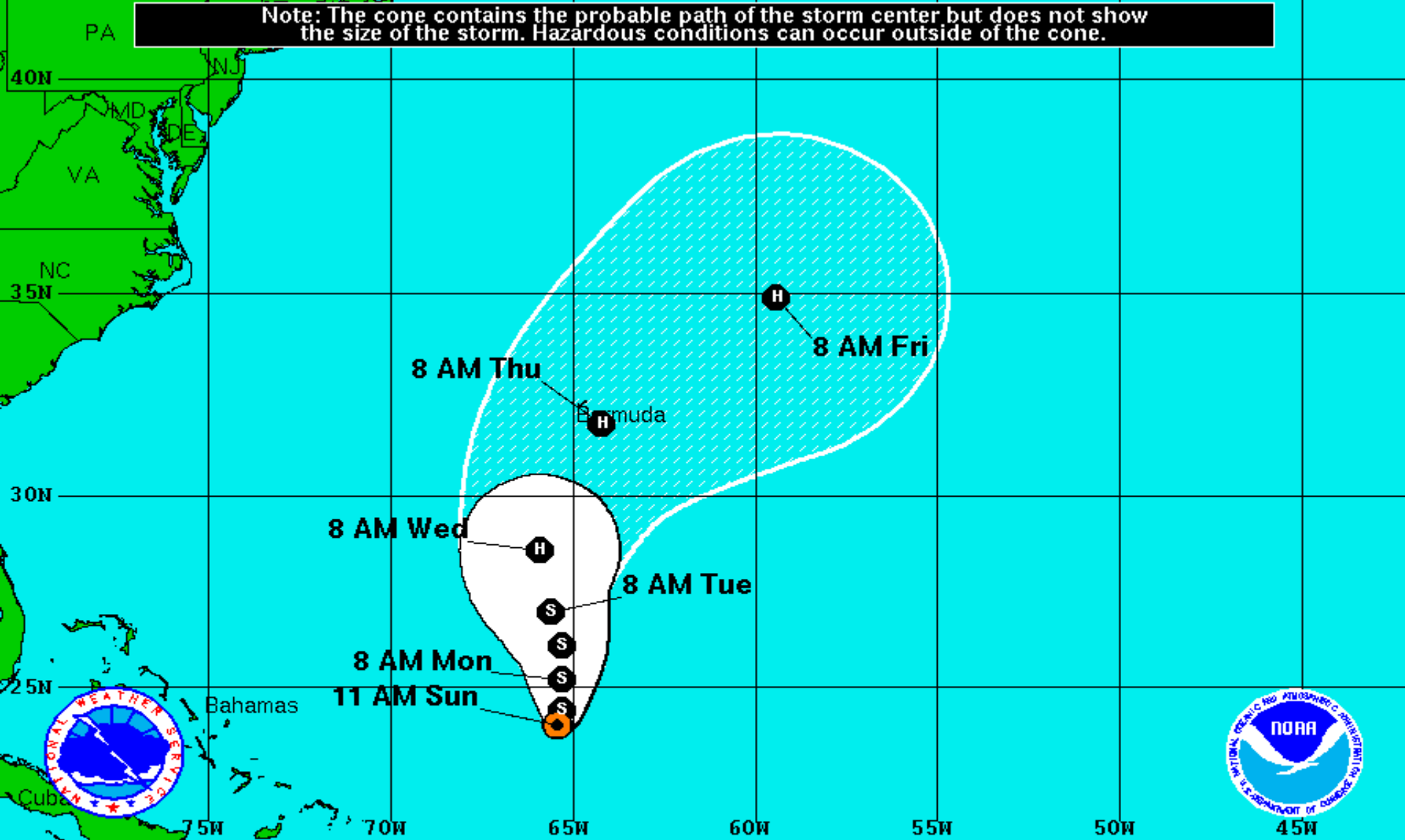
Minimum Pressure 996 mb (29.40 inches)

Blue Marble basemap imagery courtesy NASA


Satellite 3:38 PM UTC
11:38 AM EDT



Nicole

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 Nicole
 Sunday October 9, 2016
 11 AM EDT Advisory 22
 NWS National Hurricane Center

Current Information: 
 Center Location 24.0 N 65.4 W
 Max Sustained Wind 60 mph
 Movement Stationary

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

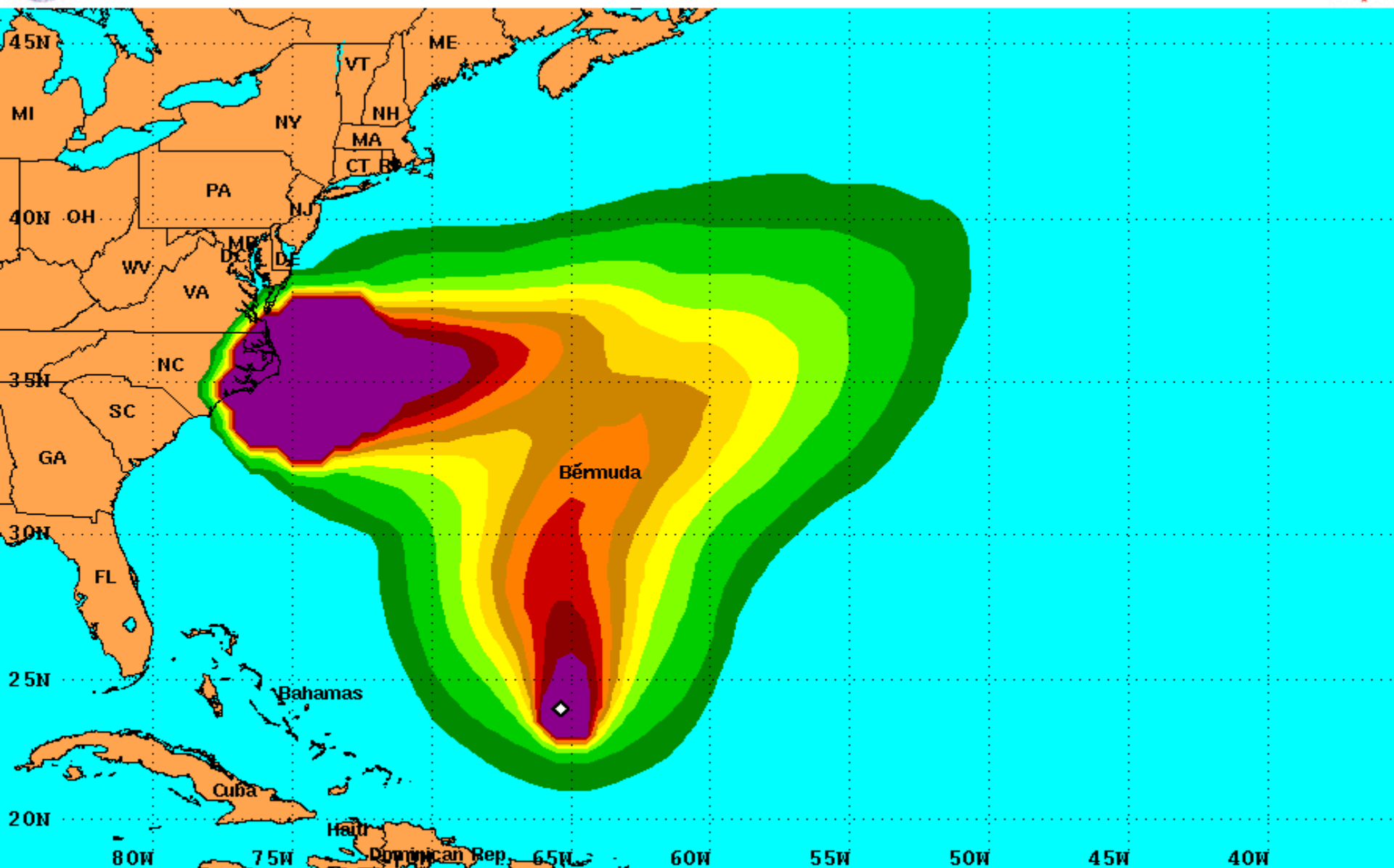
Watches:
 Hurricane  Trop.Storm

Warnings:
 Hurricane  Trop.Storm



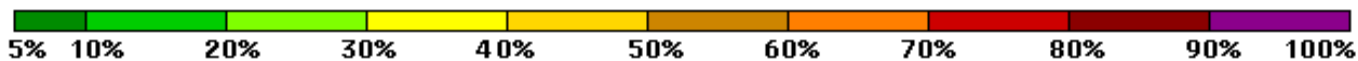
Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 8 AM EDT Sun Oct 9 to 8 AM EDT Fri Oct 14

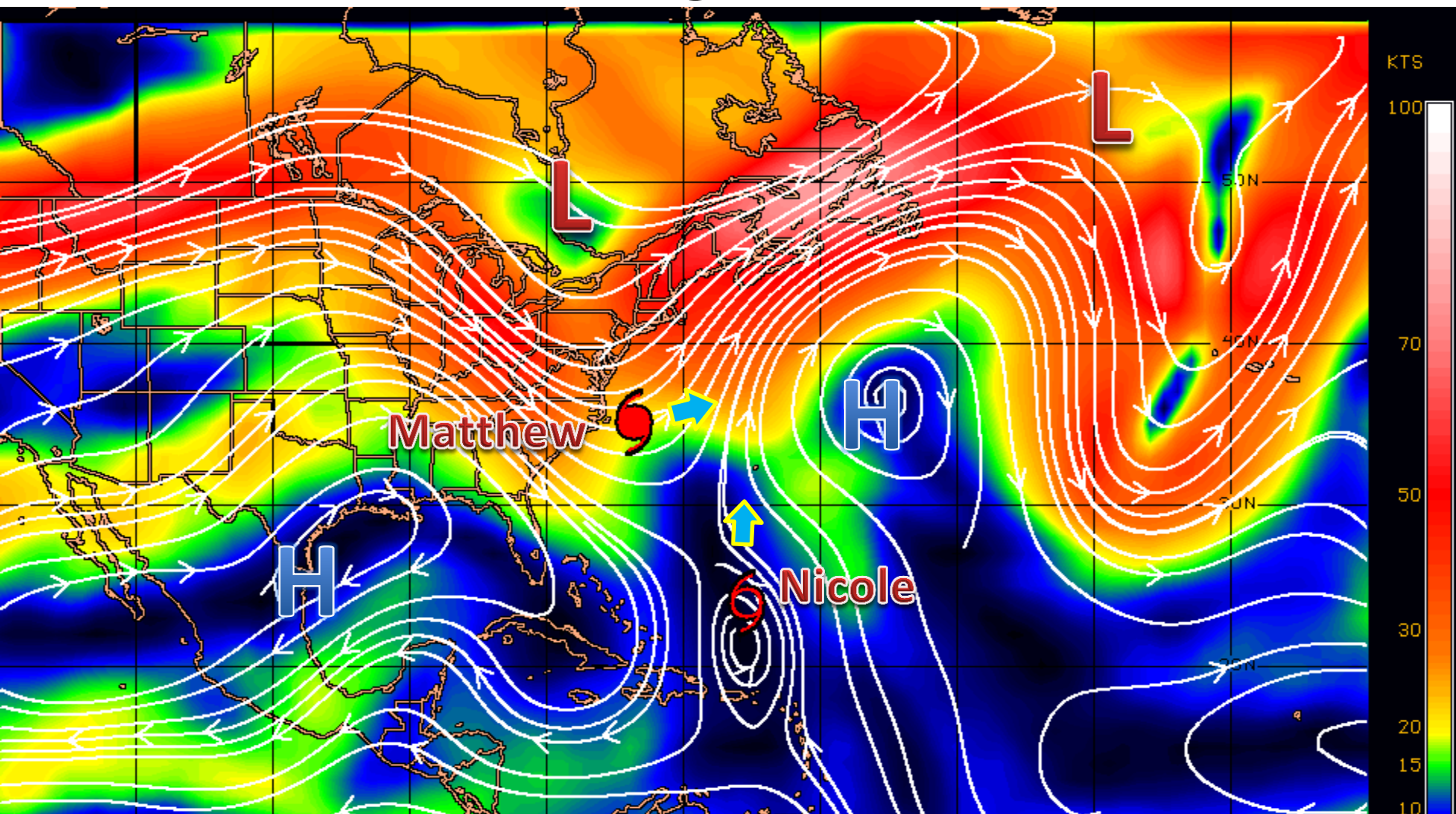


Probability of tropical storm force surface winds (1-minute average ≥ 39 mph) from all tropical cyclones

◇ indicates TROPICAL STORM NICOLE center location at 8 AM EDT Sun Oct 9 2016 (Forecast/Advisory #22)



Steering Currents

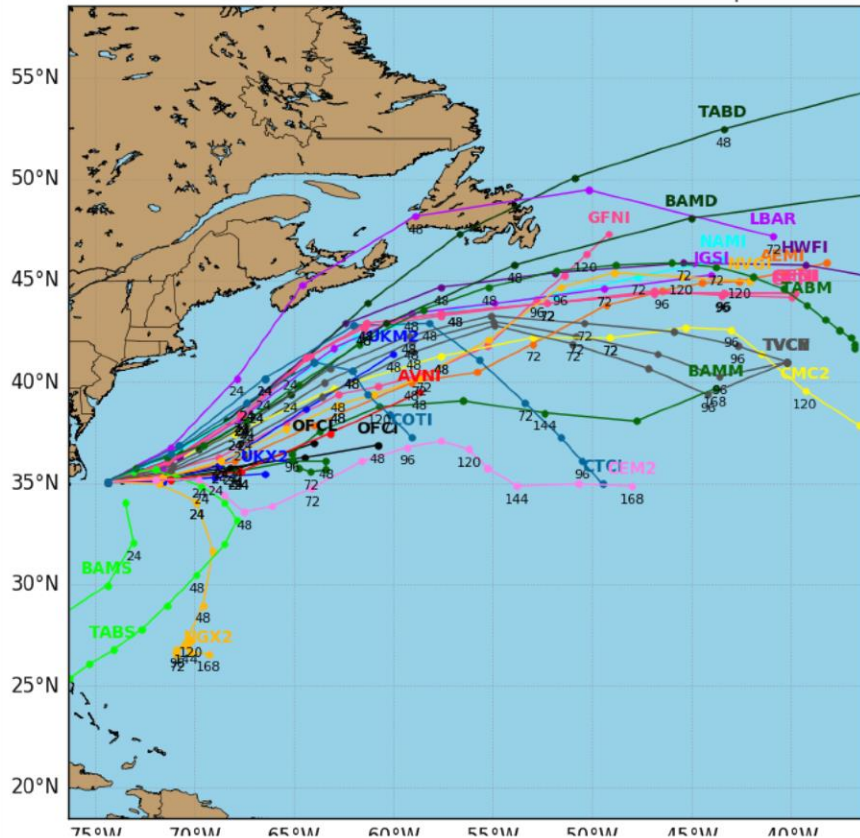


Matthew is currently being steered east-northeast by a trough moving off the eastern seaboard. Matthew will be completely absorbed by this trough as it continues to move eastward into the Atlantic through Tuesday. Nicole sits under weak steering currents today, but the high pressure and trough will begin to pull Nicole northward itno next week. Both systems will be steered away from Florida.

Tropical Depression 14L Model Track Guidance

Initialized at 12z Oct 09 2016

Levi Cowan - tropicaltidbits.com



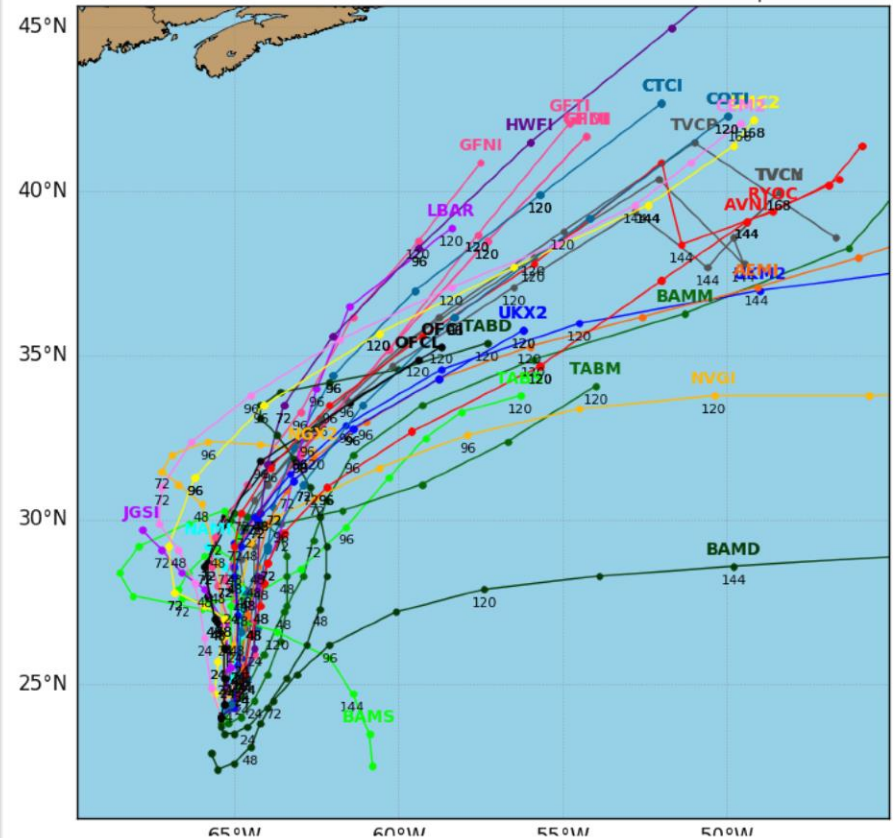
MATTHEW

The majority of models are in agreement with trough and surface front absorbing Matthew and taking the system out to sea. Matthew is already a post-tropical cyclone and will be absorbed by Tuesday.

Tropical Storm NICOLE Model Track Guidance

Initialized at 12z Oct 09 2016

Levi Cowan - tropicaltidbits.com



NICOLE

After slow movement Sunday, the models show an general trend of Nicole moving slowly northward over the next several days. Late in the period, Nicole will speed up and move toward Bermuda while possible strengthening.



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



No Disturbances

Note: Shaded areas show where a tropical cyclone is likely to develop within the given time frame.

It DOES NOT show what the likely forecast track of a tropical cyclone will be once it forms!

No new tropical cyclones are expected during the next five days.

8:00 am EDT
Sun Oct 9 2016

100°W 90°W 80°W 70°W 60°W 50°W 40°W 30°W 20°W

Tropical Cyclone Formation Potential for the Five-Day Period Ending at 8:00 am EDT Fri Oct 14 2016

Chance of Cyclone Formation in Five Days: ■ Low < 40% ■ Medium 40-60% ■ High > 60%

X indicates current disturbance location; shading indicates potential formation area.

12PM Update Summary

Tropical Summary:

- At 11am EDT, Post-Tropical Cyclone Matthew is located approximately 100 miles east Cape Hatteras, NC.
 - Maximum sustained winds are currently 75 mph with higher gusts.
 - Matthew is moving east at 15 mph with this general motion expected to continue through dissipation..
- At 11am EDT, Tropical Storm Nicole is located is approximately located 575 miles south of Bermuda.
 - Maximum sustained winds are currently 60 mph with higher gusts.
 - Nicole is nearly stationary, with a slow progression north early next week.

Florida Outlook:

- The St. Johns River, along with many estuaries, creeks, and smaller rivers in coastal Duval, St. Johns, Clay, Putnam, and Flagler Counties have crested and levels are falling.
 - Julington, Deep, & Haw Creeks are in moderate flood stage and falling, while all other points in NE Florida are dropping into minor to no flood stages.
 - Many of these rivers will oscillate in response to tidal fluctuations, including St. Johns River at Buffalo Bluff and Dunns Creek at Satsuma.
- Today, a **moderate risk of rip currents** is forecast for all Panhandle and East Coast beaches. A **low risk of rip currents** is expected for west coast beaches.
- Post-Tropical Storm Matthew and Hurricane Nicole do not pose additional threats to Florida.

Another briefing packet will be issued on Monday afternoon. For more information on this system, please visit the NHC website at www.nhc.noaa.gov



TROPICAL UPDATE

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State Meteorological Support Unit

Florida Division of Emergency
Management