

# Hurricane Dorian and Atlantic Tropics Update



Robert Macedo - KD1CY

Director of Operations for VoIP Hurricane Net

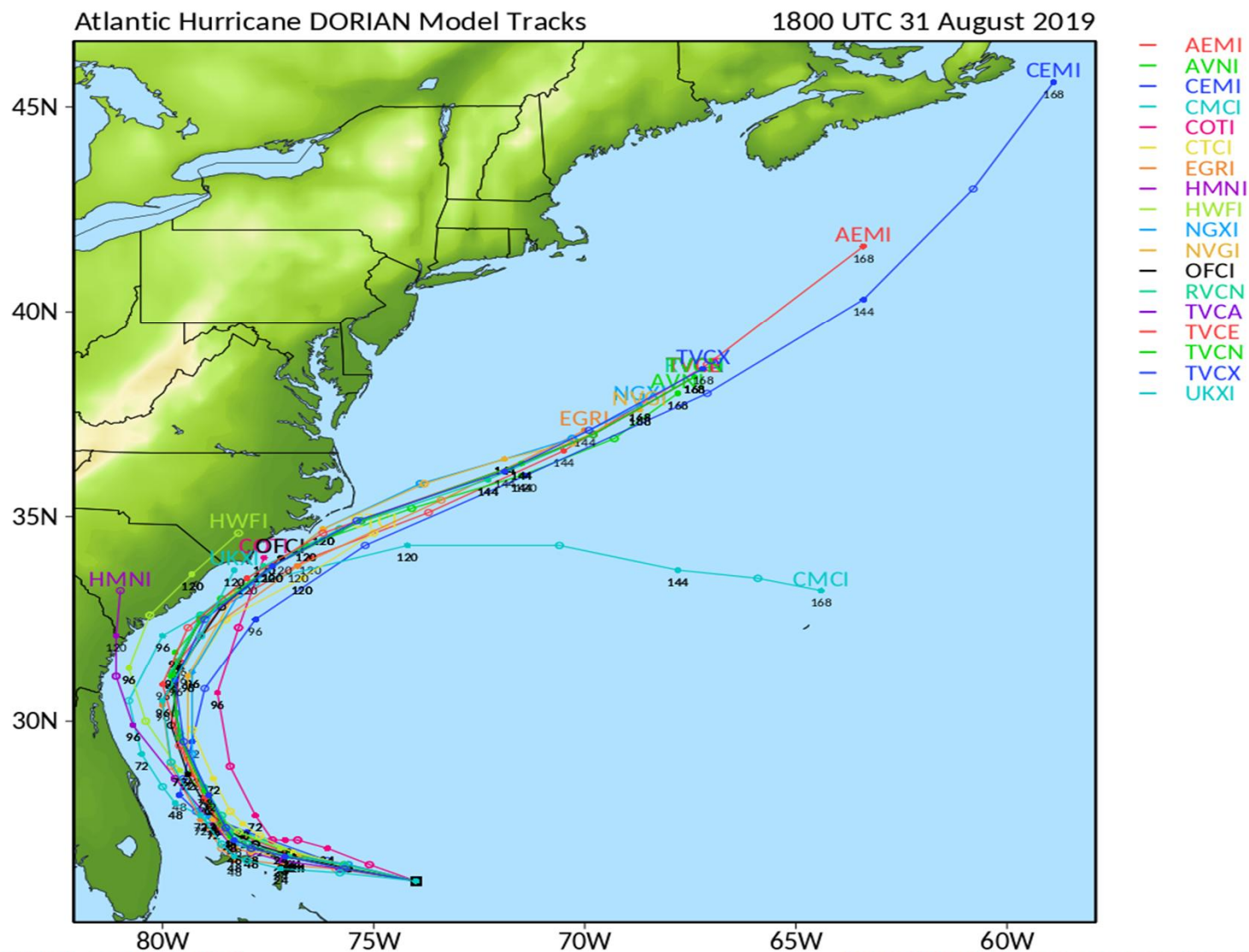
ARES SKYWARN Coordinator for NWS Boston/Norton Massachusetts

Eastern Massachusetts ARES Section Emergency Coordinator

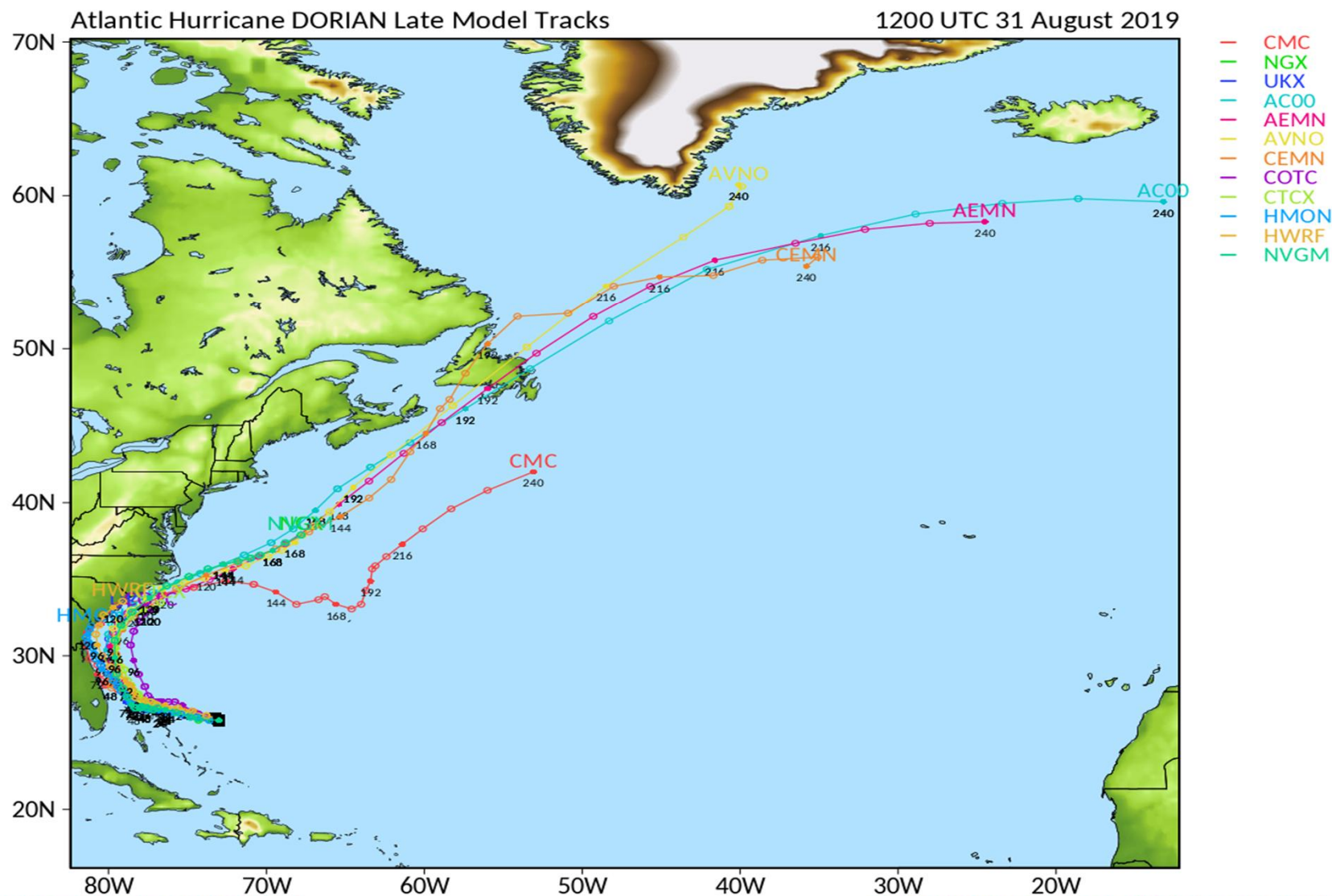
## Hurricane Dorian Update – VoIP Hurricane Net Activities

- The VoIP Hurricane Net will activate at 8 AM EDT Sunday 9/1/19 along with WX4NHC, the Amateur Radio station at the National Hurricane Center
  - Given initial activity will be in the Bahamas, many reports may be relayed versus direct given the island infrastructure
  - Any direct reports from the Bahamas or relays into the Bahamas for info via online weather stations, social media etc. would be appreciated
- Florida impacts maybe more limited to Tropical storm force conditions but have to guard against a closer to the coast track
- Greater impacts are possible across the Eastern Georgia coast, the South Carolina coast and the North Carolina coast
  - Specific impacts won't be known for another couple days with a track near/over the coast or a track just off the coast making some difference in impacts and the impact timeframe Wednesday 9/3-Thursday 9/4

# Hurricane Dorian Update – Computer models – Not a Forecast



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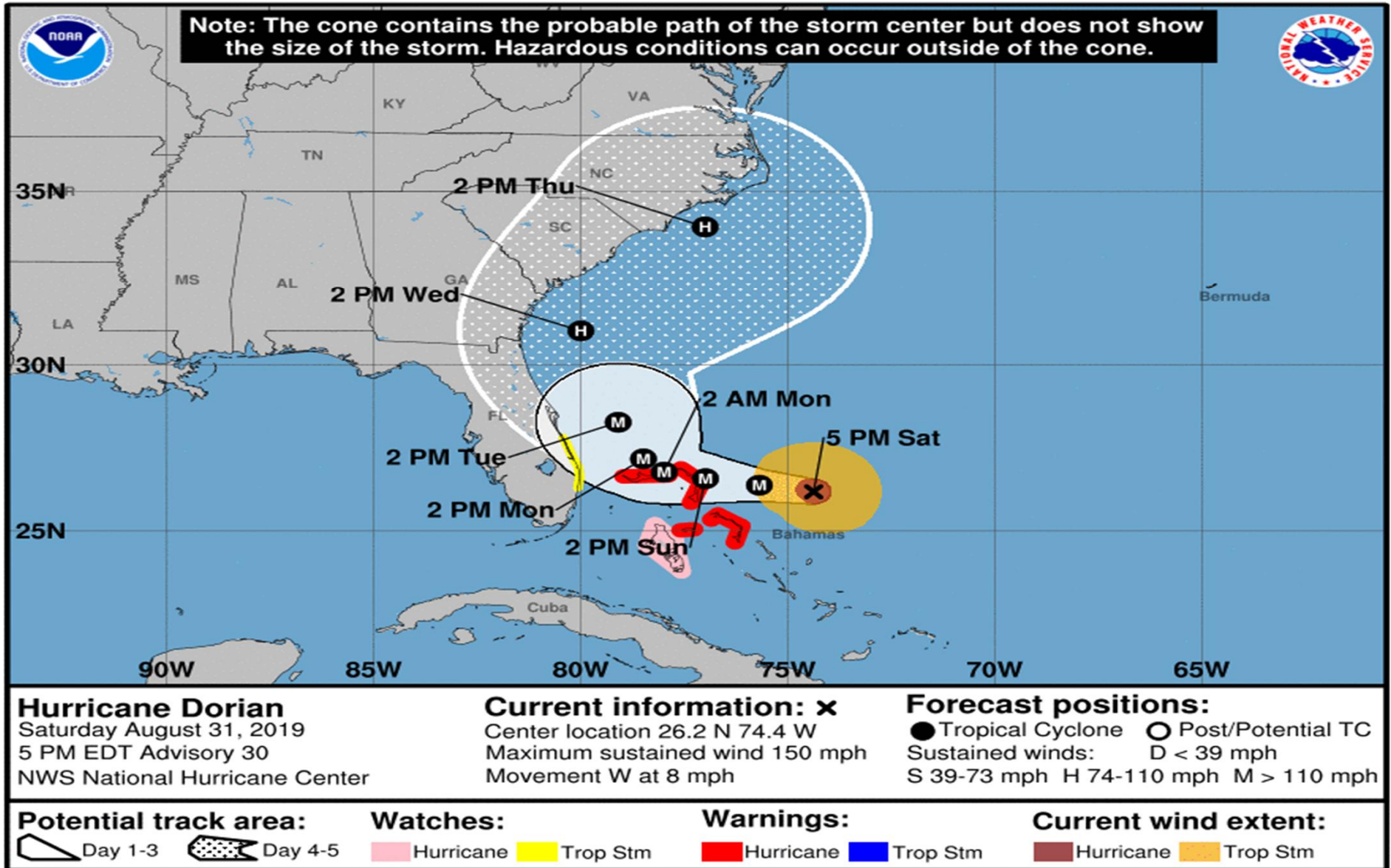


<http://derecho.math.uwm.edu/models/>  
Twitter: @HurricaneModels

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# Hurricane Dorian Update



# Hurricane Dorian – Key Messages



## Key Messages for Hurricane Dorian Advisory 30: 5:00 PM EDT Sat Aug 31, 2019



1. A prolonged period of life-threatening storm surge, devastating hurricane-force winds, and heavy rains capable of life-threatening flash floods are expected on the Abaco Islands and Grand Bahama Sunday through Monday, and a hurricane warning is in effect for these areas.

2. A tropical storm watch is in effect for a portion of the Florida east coast. Since Dorian is forecast to slow down and turn northward as it approaches the coast, life-threatening storm surge and dangerous hurricane-force winds are still possible along portions of the Florida east coast by the early to middle part of next week. Residents should have their hurricane plan in place, know if they are in a hurricane evacuation zone, and listen to advice given by local emergency officials.

3. There is an increasing risk of strong winds and dangerous storm surge along the coasts of Georgia, South Carolina, and North Carolina during the middle of next week. Residents in these areas should continue to monitor the progress of Dorian.

4. Heavy rains, capable of life-threatening flash floods, are possible over coastal sections of the southeastern United States from Sunday through much of next week.



For more information go to [hurricanes.gov](https://hurricanes.gov)



# Atlantic Tropical Update

DORIAN Spaghetti | Forecast Models | New Tab | RCN Webmail: | National Hurrica | Precision Weath | Atlantic 5-Day G | Forecast Models | New Tab

https://www.nhc.noaa.gov/gtwo.php?basin=atl&fdays=5

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Five-Day Graphical Tropical Weather Outlook  
National Hurricane Center Miami, Florida

All Disturbances

8:00 pm EDT  
Sat Aug 31 2019

100W 90W 80W 70W 60W 50W

45N 35N 25N 15N

DORIAN

Disturbance 1: 60% Chance of Cyclone Formation in 5 Days

As of 8:00 pm EDT Sat Aug 31 2019 ...

A tropical wave located near the Cabo Verde Islands is producing widespread cloudiness and showers. Environmental conditions are forecast to be conducive for development of this disturbance, and a tropical depression could form during the early or middle part of next week while the system moves northwestward across the eastern tropical Atlantic Ocean. Heavy rainfall is possible over portions of the southern Cabo Verde Islands during the next couple of days, and interests on those islands should monitor the progress of this system.

\* Formation chance through 48 hours...low...30 percent.  
\* Formation chance through 5 days...medium...60 percent.

Current Disturbances and Five-Day Cyclone Formation Chance:  
Tropical or Sub-Tropical Cyclone: ○ Depression  
⊕ Post-Tropical Cyclone or Rem

View 2-Day Graphical Tropical Weather Outlook

This product is updated at approximately 2 AM, 8 AM, 2 PM, and 8 PM EDT from June 1 to November 30, with special updates for all currently active tropical cyclones, and disturbances with tropical cyclone formation potential over the next five days. For additional NHC products, click on disturbance symbols or numbers toggles a zoomed view on or off. For additional NHC products...

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8:11 PM  
8/31/2019

# Atlantic Tropical Update

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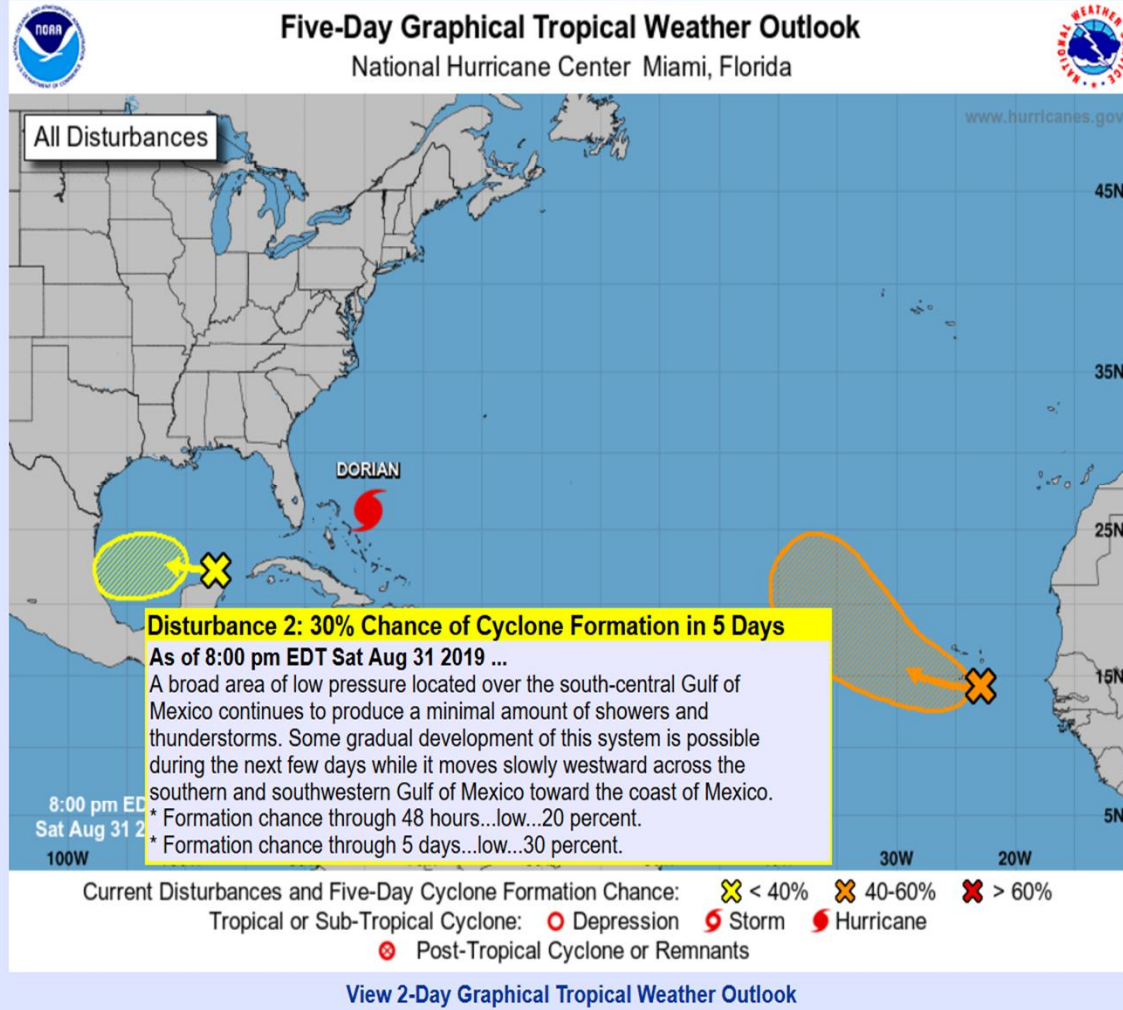
PWF Web Site Upgrade

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This product is updated at approximately 2 AM, 8 AM, 2 PM, and 8 PM EDT from June 1 to November 30, with special outlooks issued at any time as conditions warrant. The graphic displays all currently active tropical cyclones, and disturbances with tropical cyclone formation potential over the next five days. Mousing over the symbol for each weather system displays details for

Type here to search



8:13 PM 8/31/2019



# Hurricane Dorian and Atlantic Tropics Summary

- The VoIP Hurricane Net will activate for the Bahamas as long as means to gather reports are available starting Sunday Morning 9/1/19 and extend through Monday 9/2/19 as needed
  - Any reports from direct stations or relayed stations, weather stations, Social Media outside of broadcast media will be extremely helpful – use SKYWARN reporting criteria as a guide
  - Listen only nodes will be posted on the VoIP Hurricane Net email list and web site later tonight/tomorrow morning
- The VoIP Hurricane Net will likely activate again Wednesday 9/3-Thursday 9/4 for impacts to Georgia and South/North Carolina
  - Once again any reports direct stations or relayed stations, weather stations, Social Media outside of broadcast media will be extremely helpful – use SKYWARN reporting criteria as a guide
- Activation timeframes will ultimately depend on the track of Dorian
- All along the coast from North Carolina to Florida should closely monitor the progress of Dorian for any changes to impacts
- Tropics are getting active as we near the peak of the season – we must be vigilant for future tropical systems