



Disturbance Advisory

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DATE- 25th August, 2019

TIME- 1430 UTC

National Hurricane Center Discussion and Outlook

BULLETIN

Tropical Storm Dorian Advisory Number 5

NWS National Hurricane Center Miami FL

AL052019 1100 AM AST Sun Aug 25 2019

...NEW TROPICAL STORM WARNINGS AND
WATCHES ISSUED AS DORIAN
CONTINUES WESTWARD...

SUMMARY OF 1100 AM AST...1500 UTC

LOCATION...11.2N 52.9W

ABOUT 465 MI...750 KM ESE OF BARBADOS

MAXIMUM SUSTAINED WINDS...40 MPH...65 KM/H

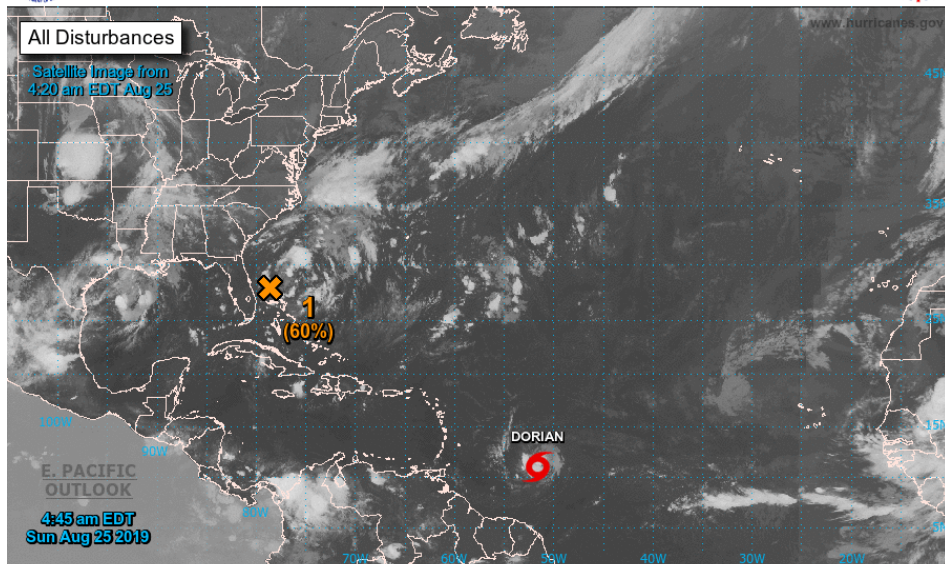
PRESENT MOVEMENT...W OR 280 DEGREES AT
14 MPH...22 KM/H

MINIMUM CENTRAL PRESSURE...1008 MB...29.77
INCHES



Two-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Current Disturbances and Two-Day Cyclone Formation Chance:
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane
 Post-Tropical Cyclone or Remnants

National Hurricane Center- Outlook

WATCHES AND WARNINGS

The Government of Barbados has issued a Tropical Storm Warning for Barbados and a Tropical Storm Watch for St. Vincent and the Grenadines.

The Government of St. Lucia has issued a Tropical Storm Watch for St. Lucia.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area within 36 hours.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, generally within 48 hours.

Additional watches could be issued later today for portions of the Windward and Leeward Islands. Elsewhere, interests in Puerto Rico, the Virgin Islands, and Hispaniola should monitor the progress of Dorian.



Hazards

HAZARDS AFFECTING LAND

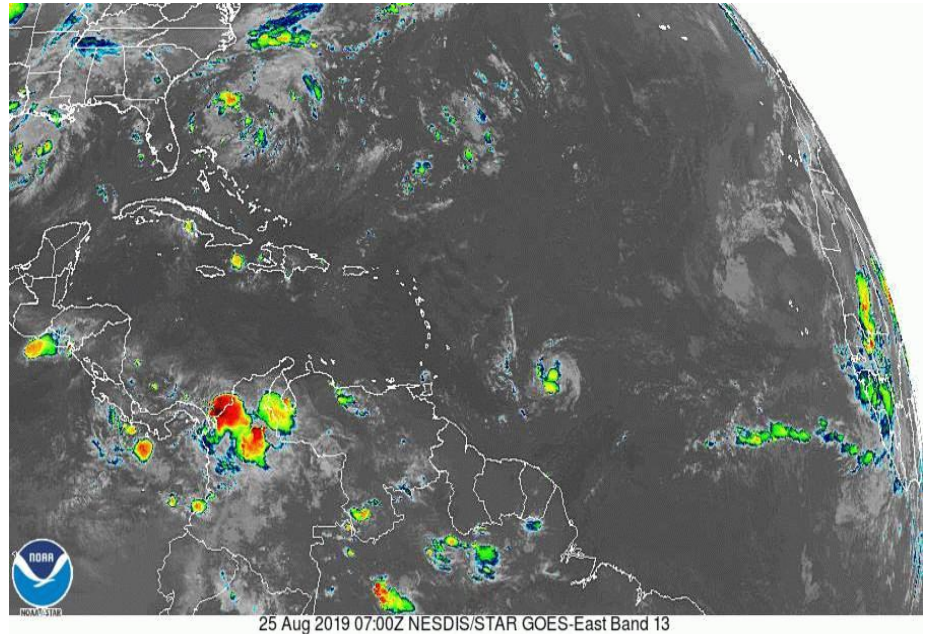
RAINFALL: Dorian is expected to produce total rain accumulations of 2 to 4 inches in portions of the Lesser Antilles, with possible isolated maximum amounts of 6 inches.

WIND: Tropical storm conditions are likely in the warning area by late Monday. Tropical storm conditions are possible within the watch area by Monday night or Tuesday.

SURF: Swells generated by Dorian will be affecting portions of the Lesser Antilles by late Monday. These swells could cause life-threatening surf and rip current conditions.

Observations

Satellite imagery shows a small but compact tropical storm with increasing deep convective activity wrapping around the centre suggesting that the storm is slowly strengthening.



Caribbean Clean IR Satellite Image:
2019/08/25

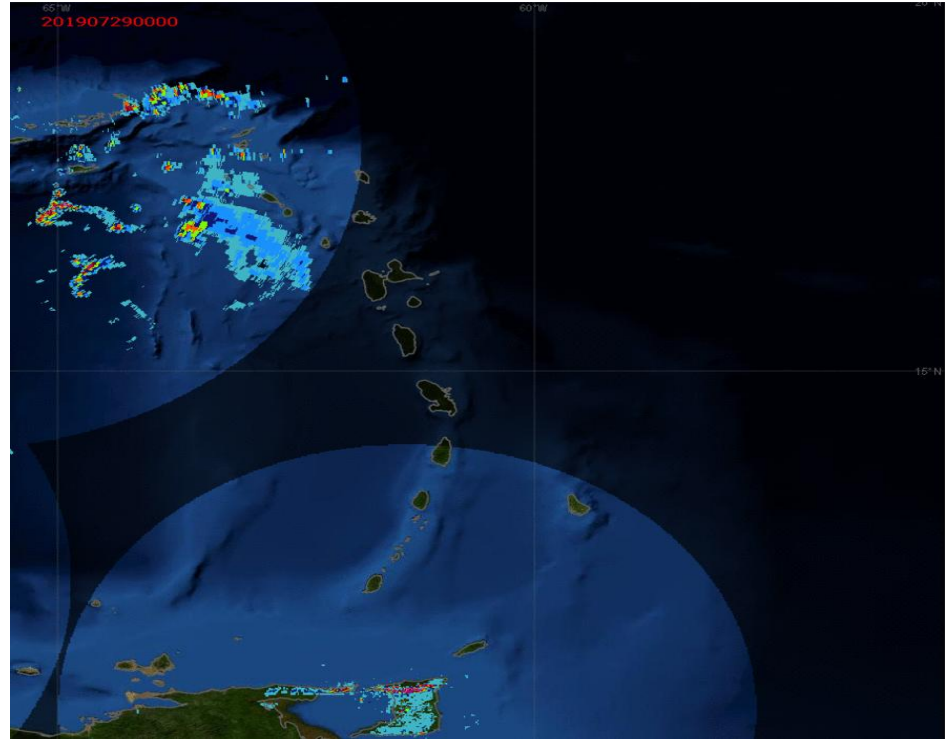
Observations

Radar loop indicates that the heavy rainfall is embedded and not organized.

Observations from Guadeloupe suggest rainfall amounts ranging from 60 to 120 mm over the last 12 hours

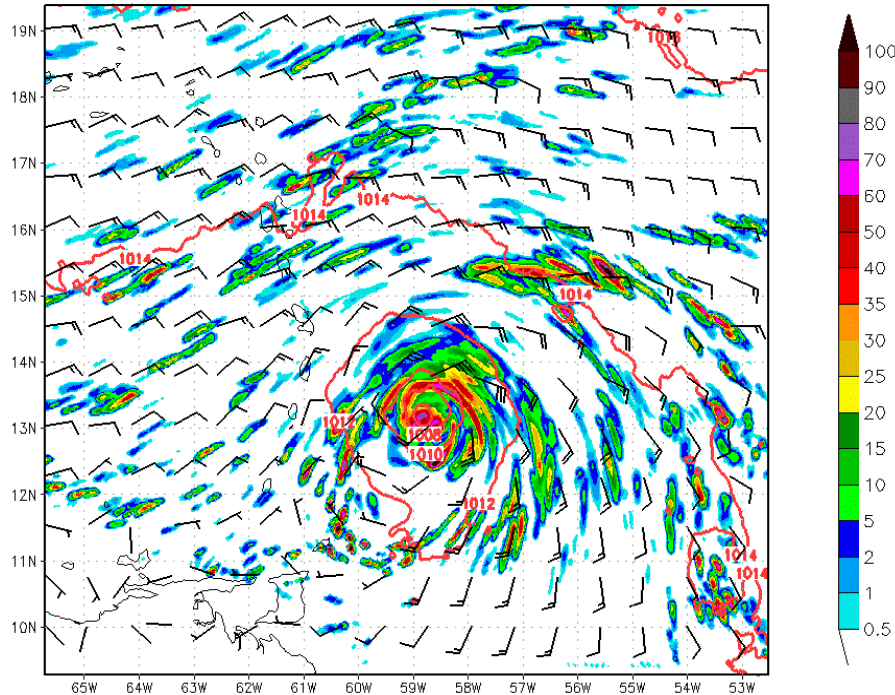
Eastern Caribbean Mosaic from Barbados Meteorological Service

29:0000 to 0330 UTC



Outlook - CIMH NMM model

SLP (mb), 3hr Rainfall (mm) & SFC Winds Overlay
Valid 2019-08-27 06Z

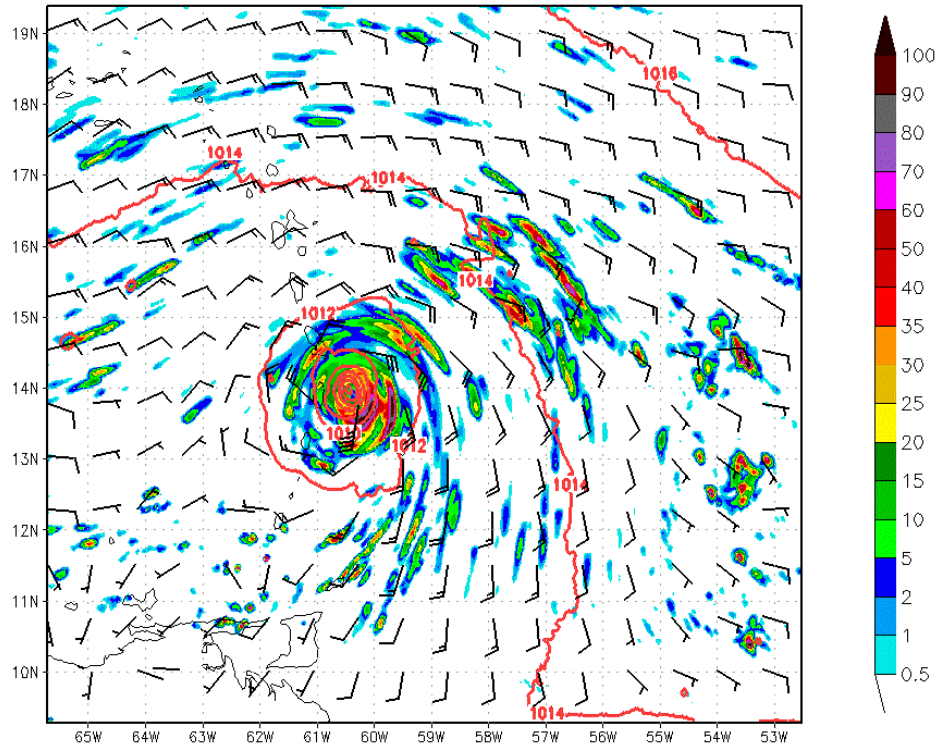


Left graphic shows the projected location of Dorian by 06z, August 27th.

CIMH NMM model suggests maximum 3 hr accumulations of 90 mm of rainfall associated with Dorian..

Outlook - CIMH NMM model

SLP (mb), 3hr Rainfall (mm) & SFC Winds Overlay
Valid 2019-08-27 18Z



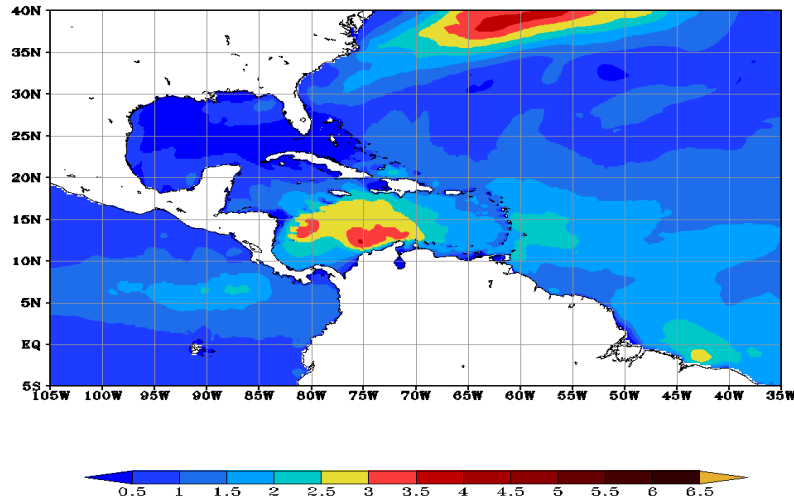
Left graphic shows the projected location of Dorian by 18z, August 27th.

CIMH NMM model suggests maximum 3 hr accumulations of 90 mm of rainfall associated with Dorian..

Outlook Wave Watch II

<http://ww3.cimh.edu.bb/0000z-ww3-outputs/>

Caribbean Institute for Meteorology and Hydrology
Wave Heights(m) for the Caribbean
Valid 20190813 00Z +54



CIMH WaveWatch II

Wave heights approach 2 to 2.5 meters for most of Tuesday.

Disclaimer

CIMH is providing special weather interpretation of the current and forecasted tropical weather affecting the Caribbean region.

CIMH is not an official forecasting agency

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End of Briefing