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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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Hurricane Florence Public Advisory

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WTNT31 KNHC 100853
TCPAT1

BULLETIN
Hurricane Florence Advisory Number 44
NWS National Hurricane Center Miami FL AL062018
500 AM AST Mon Sep 10 2018

...FLORENCE RAPIDLY STRENGTHENING...
...EXPECTED TO BECOME A MAJOR HURRICANE VERY SOON...

SUMMARY OF 500 AM AST...0900 UTC...INFORMATION

LOCATION...24.9N 58.9W
ABOUT 625 MI...1005 KM SE OF BERMUDA
ABOUT 535 MI...860 KM NNE OF THE NORTHERN LEEWARD ISLANDS
MAXIMUM SUSTAINED WINDS...105 MPH...165 KM/H
PRESENT MOVEMENT...WNW OR 285 DEGREES AT 9 MPH...15 KM/H
MINIMUM CENTRAL PRESSURE...969 MB...28.62 INCHES

WATCHES AND WARNINGS

There are no coastal watches or warnings in effect.

Interests in the southeastern and mid-Atlantic states should monitor the progress of Florence.

DISCUSSION AND OUTLOOK

At 500 AM AST (0900 UTC), the center of Hurricane Florence was located near latitude 24.9 North, longitude 58.9 West. Florence is moving toward the west-northwest near 9 mph (15 km/h). A west-northwestward motion with an increase in forward speed is expected during the next couple of days. A turn toward the northwest is forecast to occur Wednesday night or Thursday. On the forecast track, the center of Florence will move over the southwestern Atlantic Ocean between Bermuda and the Bahamas Tuesday and Wednesday, and approach the southeastern coast of the United States on Thursday.

Satellite imagery indicates that the maximum sustained winds have increased to near 105 mph (165 km/h) with higher gusts. Rapid strengthening is forecast, and Florence is forecast to become a major hurricane this morning, and is expected to remain an extremely dangerous major hurricane through Thursday.

Hurricane-force winds extend outward up to 25 miles (35 km) from the center and tropical-storm-force winds extend outward up to 125 miles (205 km).

The estimated minimum central pressure is 969 mb (28.62 inches).

HAZARDS AFFECTING LAND

SURF: Swells generated by Florence are affecting Bermuda and portions of the U.S. East Coast. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

Next complete advisory at 1100 AM AST.

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Forecaster Brown

Quick Links and Additional Resources

TROPICAL CYCLONE FORECASTS

Tropical Cyclone Advisories
Tropical Weather Outlook
Audio/Podcasts
About Advisories

MARINE FORECASTS

Offshore Waters Forecasts
Gridded Forecasts
Graphicast
About Marine

SOCIAL MEDIA

 Facebook
 Twitter
 YouTube
 NHC Blog:
"Inside the Eye"

HURRICANE PREPAREDNESS

Preparedness Guide
Hurricane Hazards
Watches and Warnings
Marine Safety
Ready.gov Hurricanes
Weather-Ready Nation
Emergency Management Offices

RESEARCH AND DEVELOPMENT

NOAA Hurricane Research Division
Joint Hurricane Testbed
Hurricane Forecast Improvement Program

OTHER RESOURCES

Q & A with NHC
NHC/AOML Library Branch
NOAA: Hurricane FAQs
National Hurricane Operations Plan
WX4NHC Amateur Radio

NWS FORECAST OFFICES

Weather Prediction Center
Storm Prediction Center
Ocean Prediction Center
Local Forecast Offices
Central Pacific Hurricane Center

WORLDWIDE TROPICAL CYCLONE CENTERS

Canadian Hurricane Centre
Joint Typhoon Warning Center
Other Tropical Cyclone Centers
WMO Severe Weather Info Centre



US Dept of Commerce
National Oceanic and Atmospheric Administration
National Hurricane Center
11691 SW 17th Street
Miami, FL, 33165
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