

From: Robert Nadeau - NOAA Federal
Sent: Sunday, September 1, 2019 11:33 AM
To: Robert Nadeau
Bcc: dorian.private.sector.comms@noaa.gov
Subject: Fwd: Hurricane Dorian #33

11 AM update from the NHC. Please note the watches and warnings for the coast.

Thanks
Bob

----- Forwarded message -----

Date: Sun, Sep 1, 2019 at 11:14 AM
Subject: Hurricane Dorian #33

...DORIAN BECOMES THE STRONGEST HURRICANE IN MODERN RECORDS FOR THE NORTHWESTERN BAHAMAS...

At 11am EDT, Hurricane Dorian was located 205 miles east of West Palm Beach, FL with maximum sustained winds of 180 mph and a minimum central pressure of 913 mb.

Dorian is moving toward the west near 7 mph. A slower westward motion should continue for the next day or two, followed by a gradual turn toward the northwest. On this track, Hurricane Dorian will continue to move over Great Abaco and move near or over Grand Bahama Island later tonight and Monday. **The Hurricane should move closer to the Florida east coast late Monday through Tuesday night.**

Dorian is an extremely dangerous category 5 Hurricane. Some fluctuations in intensity are likely, but Dorian is expected to remain a powerful Hurricane during the next few days.

Key Messages

- Life-threatening storm surge and dangerous hurricane-force winds are possible along portions of the Florida east coast through mid-week, as only a slight deviation to the left of the official forecast would bring the core of Dorian near or over the coast.
- There is an increasing likelihood of strong winds and dangerous storm surge along the coasts of Georgia, South Carolina, and North Carolina later this week.
- Heavy rains, capable of producing life-threatening flash floods, are possible over coastal sections of the southeast and lower mid-Atlantic regions of the United States through late this week.

Storm Surge Watch

* North of Deerfield Beach to the Volusia/Brevard County Line

Tropical Storm Warning

* North of Deerfield Beach to Sebastian Inlet

Hurricane Watch

* North of Deerfield Beach to the Volusia/Brevard County Line

Tropical Storm Watch

* North of Golden Beach to Deerfield Beach
* Lake Okeechobee

Storm Surge - Heights above ground

* Volusia/Brevard County Line to Jupiter Inlet FL - 4 to 7 ft
* North of Deerfield Beach to Jupiter Inlet FL - 2 to 4 ft

Rainfall

* Coastal Carolinas...5 to 10 inches, isolated 15 inches.
* Atlantic Coast from the Florida peninsula through Georgia...2 to 4 inches, isolated 6 inches.

Hurricane Wind Probabilities

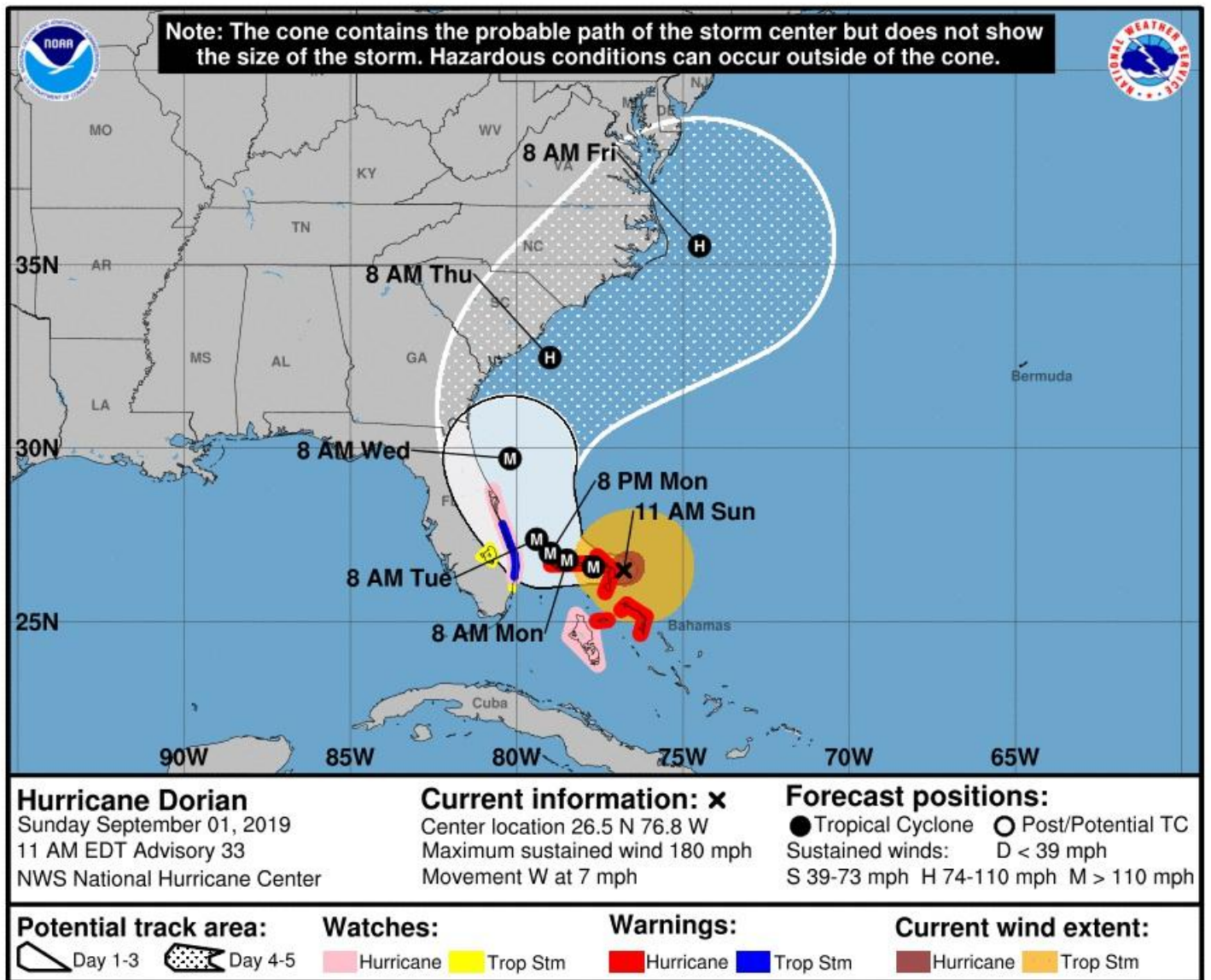
Cape Hatteras, NC 18%

Myrtle Beach, SC	14%
Charleston, SC	8%
Jacksonville, FL	6%
Daytona Beach, FL	17%
Orlando, FL	14%
W Palm Beach, FL	47%

Tropical Storm Wind Probabilities

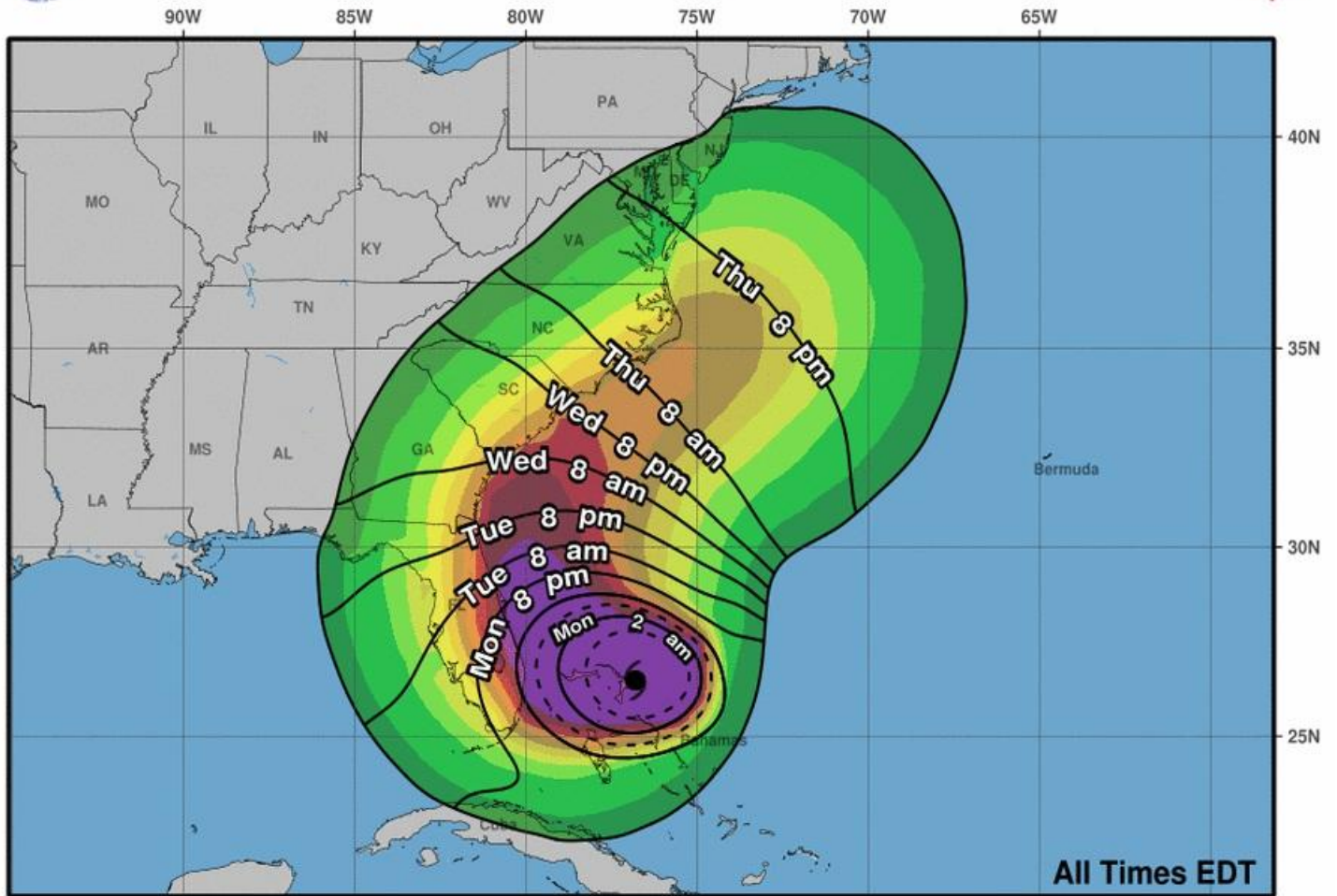
Norfolk, VA	23%
Cape Hatteras, NC	59%
Wilmington, NC	52%
Myrtle Beach, SC	66%
Charleston, SC	57%
Savannah, GA	54%
Jacksonville, FL	61%
Daytona Beach, FL	80%
Orlando, FL	76%
W Palm Beach, FL	99%
Miami, FL	59%

Hurricane Dorian Graphics





Most Likely Arrival Time of Tropical-Storm-Force Winds



All Times EDT

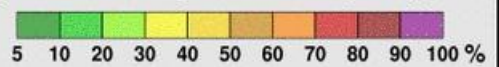
Hurricane Dorian

Sun. Sep. 1, 2019 11 am EDT

Advisory 33

Storm Location ○ < 34 kt (39 mph)
 & ○ 34-63 kt (39-73 mph)
 Wind Speed ● ≥ 64 kt (74 mph)

5-day chance of receiving sustained 34+ kt (39+ mph) winds



HIT@fema.dhs.gov

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WTNT35 KNHC 011456
TCPAT5

BULLETIN
Hurricane Dorian Advisory Number 33
NWS National Hurricane Center Miami FL AL052019
1100 AM EDT Sun Sep 01 2019

...DORIAN BECOMES THE STRONGEST HURRICANE IN MODERN RECORDS FOR THE NORTHWESTERN BAHAMAS.
...CATASTROPHIC CONDITIONS OCCURING IN THE ABACOS ISLANDS...

SUMMARY OF 1100 AM EDT...1500 UTC...INFORMATION

LOCATION...26.5N 76.8W
ABOUT 20 MI...30 KM ENE OF GREAT ABACO ISLAND
ABOUT 205 MI...330 KM E OF WEST PALM BEACH FLORIDA
MAXIMUM SUSTAINED WINDS...180 MPH...285 KM/H
PRESENT MOVEMENT...W OR 270 DEGREES AT 7 MPH...11 KM/H
MINIMUM CENTRAL PRESSURE...913 MB...26.96 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Hurricane Watch has been issued for the east coast of Florida from north of Deerfield Beach to the Volusia/Brevard County Line.

A Storm Surge Watch has also been issued from north of Deerfield Beach to the Volusia/Brevard County Line.

A Tropical Storm Watch has been issued for Lake Okeechobee.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Watch is in effect for...
* North of Deerfield Beach to the Volusia/Brevard County Line

A Hurricane Warning is in effect for...
* Northwestern Bahamas excluding Andros Island

A Hurricane Watch is in effect for...
* Andros Island
* North of Deerfield Beach to the Volusia/Brevard County Line

A Tropical Storm Warning is in effect for...
* North of Deerfield Beach to Sebastian Inlet

A Tropical Storm Watch is in effect for...
* North of Golden Beach to Deerfield Beach
* Lake Okeechobee

A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline, in the indicated locations during the next 48 hours. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov.

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area. Preparations to protect life and property should be rushed to completion.

A Hurricane Watch means that hurricane conditions are possible within the watch area. A watch is typically issued 48 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside preparations difficult or dangerous.

A Tropical Storm Warning means that tropical storm conditions are expected 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.

Interests elsewhere along the east coast of Florida should continue to monitor the progress of Dorian, as additional watches or warnings may be required later today.

For storm information specific to your area in the United States, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office. For storm information specific to your area outside of the United States, please monitor products issued by your national meteorological service.

DISCUSSION AND OUTLOOK

At 1100 AM EDT (1500 UTC), the extremely distinct eye of Hurricane Dorian was located near latitude 26.5 North, longitude 76.8 West. Dorian is moving toward the west near 7 mph (11 km/h). A slower westward motion should continue for the next day or two, followed by a gradual turn toward the northwest. On this track, the core of

extremely dangerous Hurricane Dorian will continue to move over Great Abaco and move near or over Grand Bahama Island later tonight and Monday. The hurricane should move closer to the Florida east coast late Monday through Tuesday night.

Maximum sustained winds have increased to near 180 mph (285 km/h) with higher gusts. Dorian is a extremely dangerous category 5 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely, but Dorian is expected to remain a powerful hurricane during the next few days.

Dorian has grown larger in size. Hurricane-force winds extend outward up to 45 miles (75 km) from the center and tropical-storm-force winds extend outward up to 140 miles (220 km). Ham radio reports indicate that Hope Town in the Abacos just reported wind gust to 100 mph.

The minimum central pressure measured by both NOAA and Air Force reconnaissance plane was 913 mb (26.96 inches).

HAZARDS AFFECTING LAND

WIND: Catastrophic hurricane conditions are occurring in the Abacos Islands and will spread across Grand Bahama Island later today and tonight.

Hurricane conditions are possible within the hurricane watch area in Florida by late Monday or early Tuesday.

Tropical storm conditions are expected within the tropical storm warning area on Monday and Tuesday.

Tropical storm conditions are possible within the tropical storm watch area by Monday night.

STORM SURGE: A life-threatening storm surge will raise water levels by as much as 18 to 23 feet above normal tide levels in areas of onshore winds on the Abaco Islands and Grand Bahama Island. Near the coast, the surge will be accompanied by large and destructive waves.

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere in the indicated areas if the peak surge occurs at the time of high tide...

Volusia/Brevard County Line to Jupiter Inlet FL...4 to 7 ft
North of Deerfield Beach to Jupiter Inlet FL...2 to 4 ft

The surge will be accompanied by large and destructive waves. Surge-related flooding depends on the how close the center of Dorian comes to the Florida east coast, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: Dorian is expected to produce the following rainfall totals through late this week:

Northwestern Bahamas...12 to 24 inches, isolated 30 inches.
Coastal Carolinas...5 to 10 inches, isolated 15 inches.
Central Bahamas and the Atlantic Coast from the Florida peninsula through Georgia...2 to 4 inches, isolated 6 inches.

This rainfall may cause life-threatening flash floods.

SURF: Large swells are already affecting east-facing shores of the Bahamas, the Florida east coast, and will spread northward along the southeastern United States coast during the next few days. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

Next intermediate advisory at 200 PM EDT.
Next complete advisory at 500 PM EDT.

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Forecaster Avila

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