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**From:** Nadeau, Robert [Robert.Nadeau@fema.dhs.gov]  
**Sent:** 9/8/2017 3:21:50 PM  
**To:** Christine Diaz [Christine.Diaz@eog.myflorida.com]; Jim McCleskey [jim.mccleskey@nc.gov]; Lorea Stallard [lorea.stallard@nc.gov]; maribel.ramos@governor.virginia.gov; Todd Smith - Georgia DC Gov Rep [todd@totalspectrumsga.com]; 'twalker@governor.sc.gov'  
**CC:** Hudak, Mary [Mary.Hudak@fema.dhs.gov]; Killian, Adam [adam.killian@fema.dhs.gov]; Pyle, Stephanie [Stephanie.Pyle@fema.dhs.gov]; Stoneking, Daniel [Daniel.Stoneking@fema.dhs.gov]; Strouse, Philip [Philip.Strouse@fema.dhs.gov]; Killian, Adam [adam.killian@fema.dhs.gov]  
**Subject:** FW: Hurricane Irma #38

Please see latest NOAA HLT advisory for Irma.

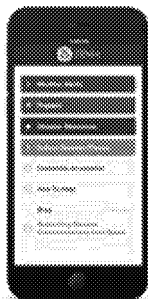
Thank you  
Bob

Robert Nadeau, CEM  
Deputy Director, Intergovernmental Affairs Division  
FEMA Office of External Affairs  
500 C St. SW  
Washington D.C. 20472  
Desk 202-212-5193

**Ex. 6**

[Robert.Nadeau@fema.dhs.gov](mailto:Robert.Nadeau@fema.dhs.gov)

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**From:** Hersey, Tiffany  
**Sent:** Friday, September 08, 2017 11:14 AM  
**To:** Green, Matthew <Matthew.Green@fema.dhs.gov>; HLT <HLT@fema.dhs.gov>  
**Subject:** Hurricane Irma #38

**...HURRICANE CONDITIONS SPREADING WESTWARD OVER PORTIONS OF CUBA AND THE CENTRAL BAHAMAS...**

At 11am EDT, Hurricane Irma was located 405 miles southeast of Miami, FL with maximum sustained winds of 150 mph and a minimum central pressure of 927 mb.

Irma is moving toward the west-northwest near 14 mph. On the forecast track, the eye of Irma should move near the north coast of Cuba and the central Bahamas today and Saturday, and be near the Florida Keys and the southern Florida Peninsula Sunday morning. Irma is forecast to remain a powerful category

4 Hurricane as it approaches Florida.

**Storm Surge Warning**

- \* Sebastian Inlet southward around the Florida peninsula to Venice
- \* Florida Keys

**Storm Surge Watch**

- \* North of Sebastian Inlet to Ponce Inlet

**Hurricane Warning**

- \* Jupiter Inlet southward around the Florida peninsula to Bonita Beach
- \* Florida Keys
- \* Lake Okeechobee
- \* Florida Bay

**Hurricane Watch**

- \* North of Jupiter Inlet to the Flagler/Volusia County Line
- \* North of Bonita Beach to Anclote River

**Storm Surge - Heights above ground**

- \* SW Florida from Captiva to Cape Sable - 6 to 12 ft
- \* Jupiter Inlet to Cape Sable, including the Florida Keys - 5 to 10 ft
- \* Ponce Inlet to Jupiter Inlet - 3 to 6 ft
- \* Venice to Captiva - 3 to 6 ft

**Rainfall**

Irma is expected to produce the following rain accumulations through Tuesday night:

- \* The upper Florida Keys into southeast Florida...10 to 15 inches, isolated 20 inches
- \* Lower Florida Keys...4 to 8 inches
- \* Eastern Florida northward into coastal Georgia...8 to 12 inches, isolated 16 inches
- \* Western Florida Peninsula...4 to 8 inches, isolated 12 inches
- \* Much of Georgia...South Carolina...and Western North Carolina...3 to 6 inches

**Hurricane Wind Probabilities**

Savannah, GA	9%
Jacksonville, FL	16%
Orlando, FL	35%
Miami, FL	49%
Key West, FL	45%
Ft Myers, FL	50%
Tampa, FL	35%

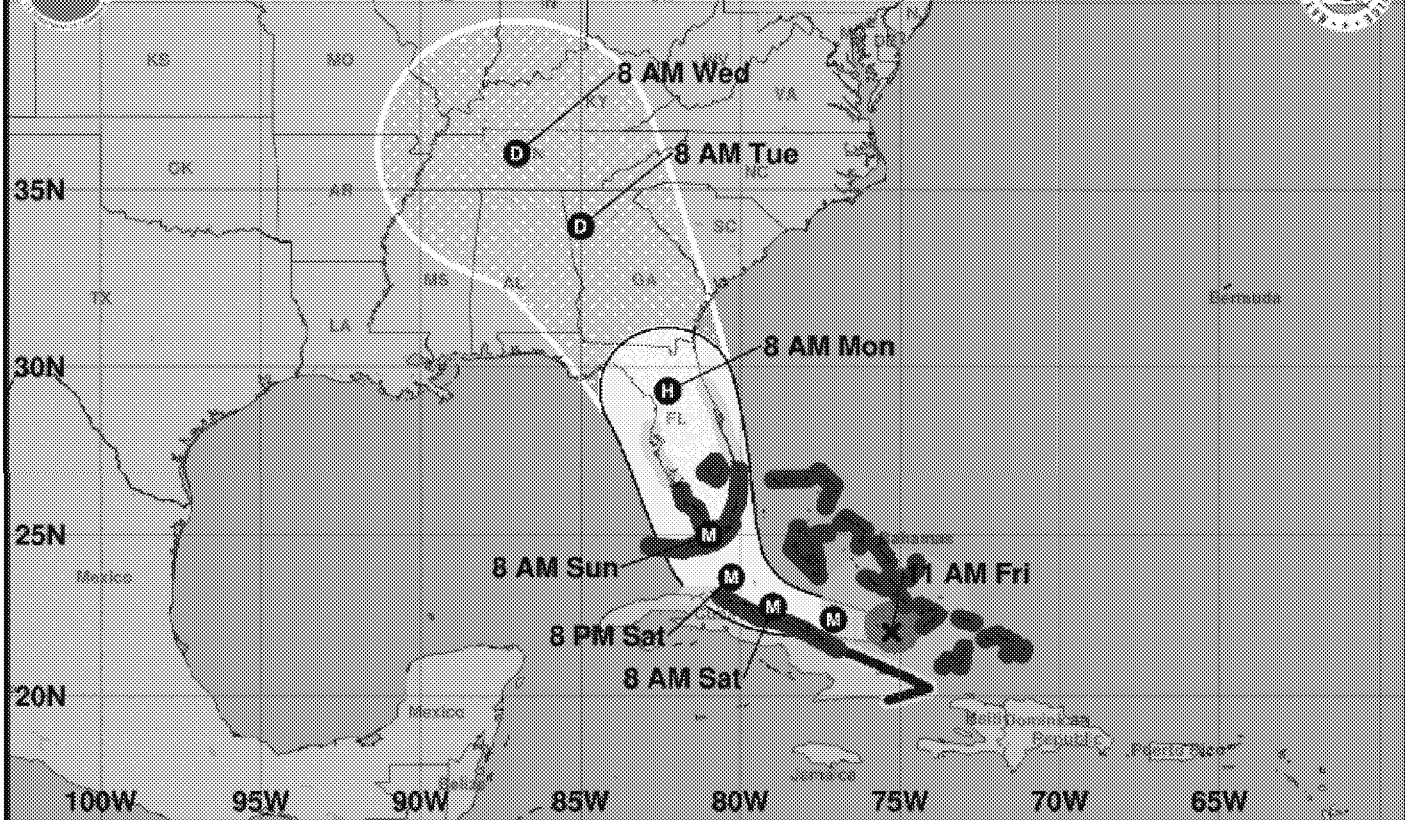
**Tropical Storm Wind Probabilities**

Charleston, SC	28%
Savannah, GA	47%
Jacksonville, FL	75%
Orlando, FL	91%
Miami, FL	97%
Key West, FL	93%
Ft Myers, FL	92%
Tampa, FL	82%

**Hurricane Irma Graphics**



**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.**



**Hurricane Irma**  
 Friday September 08, 2017  
 11 AM EDT Advisory 38  
 NWS National Hurricane Center

**Current information: x**  
 Center location 22.0 N 75.3 W  
 Maximum sustained wind 150 mph  
 Movement WNW at 14 mph

**Forecast positions:**  
 ● Tropical Cyclone ○ Post/Potential TC  
 Sustained winds: D < 39 mph  
 S 39-73 mph H 74-110 mph M > 110 mph

**Potential track area:**  
 Day 1-3 Day 4-5

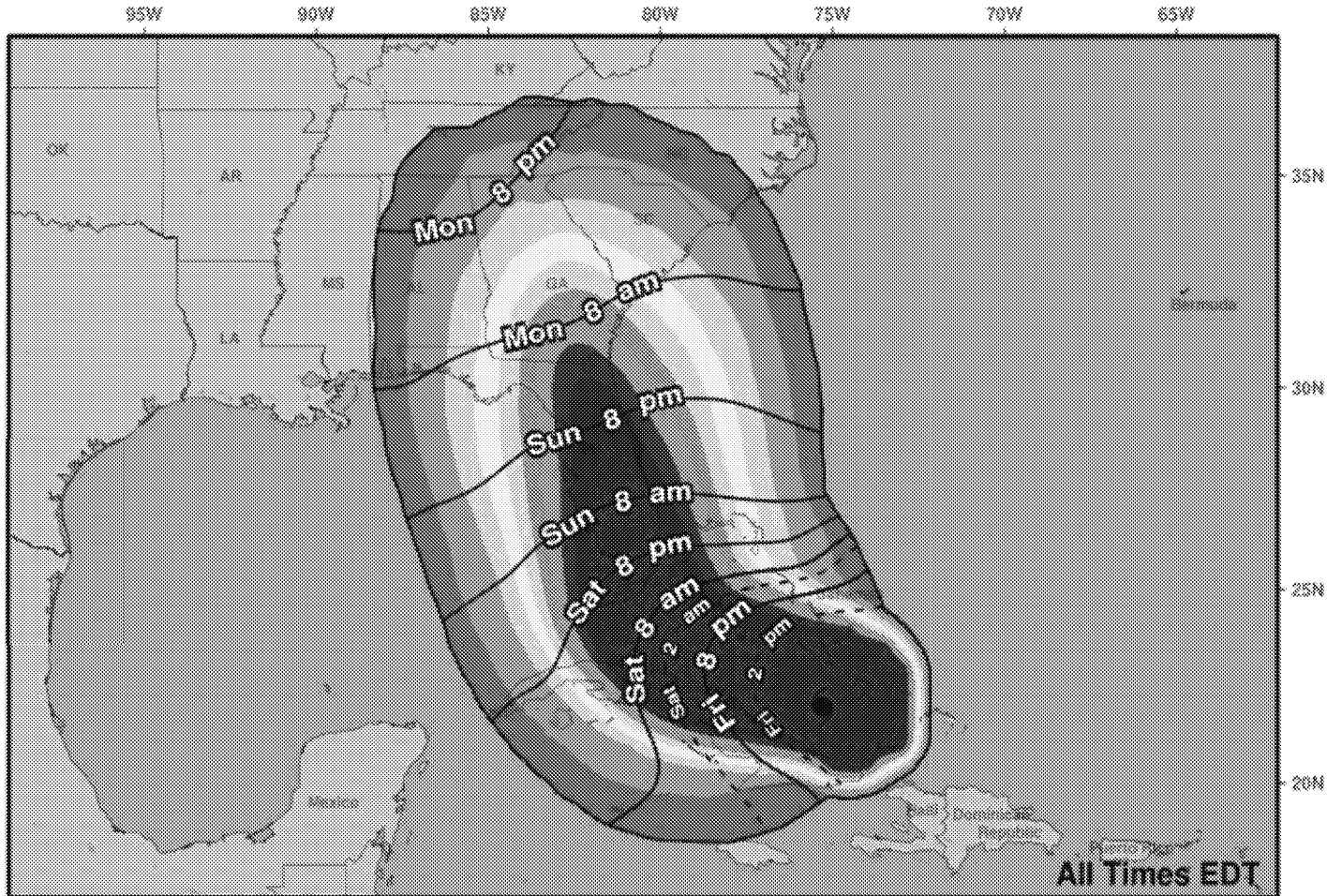
**Watches:**  
 Hurricane Trop Stm

**Warnings:**  
 Hurricane Trop Stm

**Current wind extent:**  
 Hurricane Trop Stm



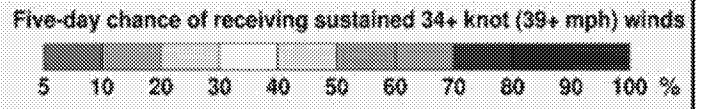
# Most Likely Arrival Time of Tropical-Storm-Force Winds

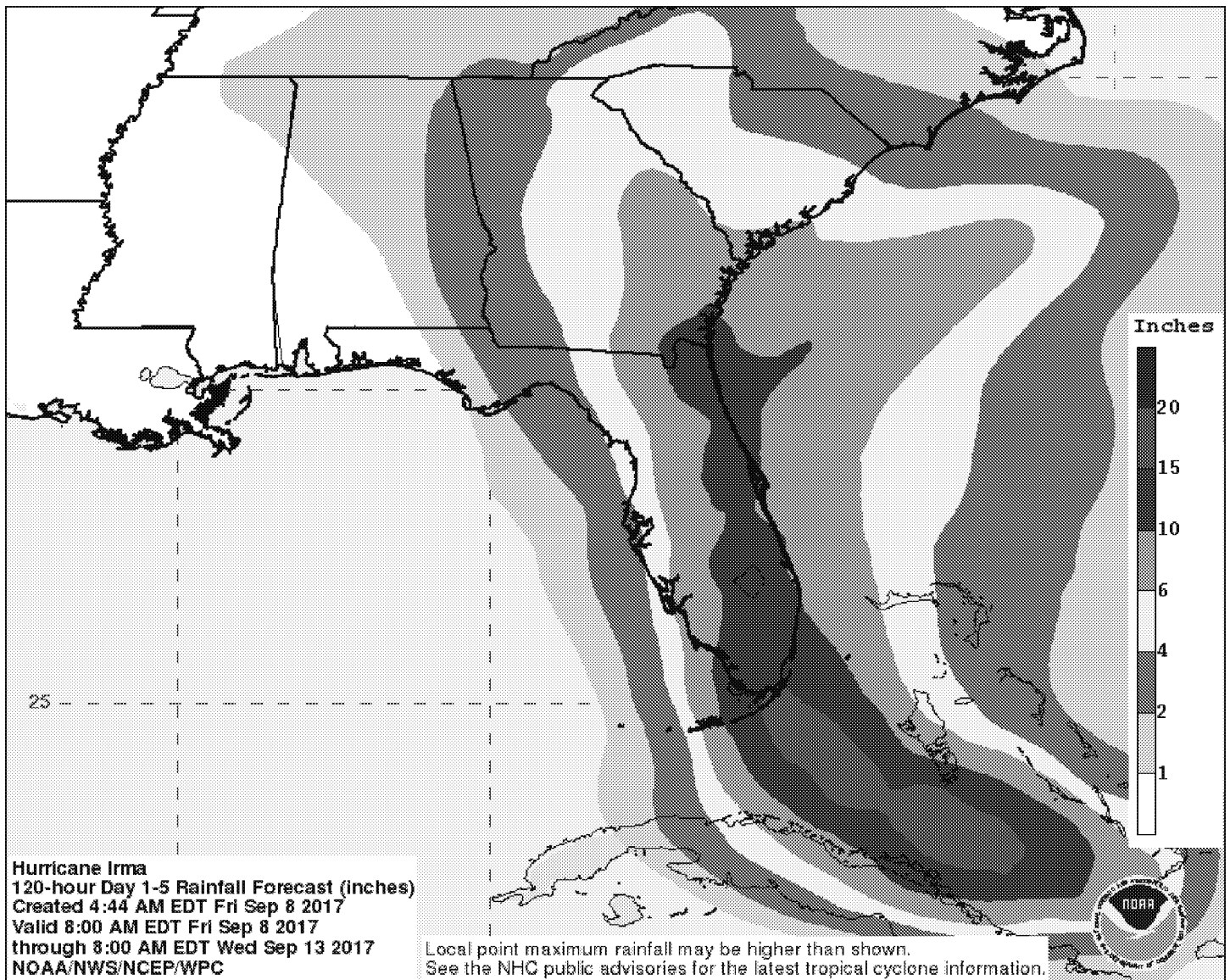


All Times EDT

**Hurricane Irma**  
**Fri. Sep. 8, 2017 11 am EDT**  
**Advisory 38**

**Storm Location & Wind Speed (knots)**  
 ○ <34   ○ 34-63   ● ≥64





 [HI@fema.dhs.gov](mailto:HI@fema.dhs.gov)

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 WTNT31 KNHC 081450  
 TCPAT1

BULLETIN  
 Hurricane Irma Advisory Number 38  
 NWS National Hurricane Center Miami FL AL112017  
 1100 AM EDT Fri Sep 08 2017

...EYE OF HURRICANE IRMA MONITORED BY HURRICANE HUNTER PLANES AND  
 CUBAN RADARS...  
 ...HURRICANE CONDITIONS SPREADING WESTWARD OVER PORTIONS OF CUBA AND  
 THE CENTRAL BAHAMAS...

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

LOCATION...22.0N 75.3W  
 ABOUT 270 MI...435 KM E OF CAIBARIEN CUBA  
 ABOUT 405 MI...655 KM SE OF MIAMI FLORIDA  
 MAXIMUM SUSTAINED WINDS...150 MPH...240 KM/H  
 PRESENT MOVEMENT...WNW OR 285 DEGREES AT 14 MPH...22 KM/H

MINIMUM CENTRAL PRESSURE...927 MB...27.38 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

The Storm Surge Warning has been extended from Jupiter Inlet northward to Sebastian Inlet and from Bonita Beach northward to Venice.

A Storm Surge Watch has been issued from north of Sebastian Inlet to Ponce Inlet.

The Hurricane Watch has been extended northward along the east coast of Florida to the Flagler/Volusia County Line, and along the west coast of Florida to Anclote River.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

- \* Sebastian Inlet southward around the Florida peninsula to Venice
- \* Florida Keys

A Storm Surge Watch is in effect for...

- \* North of Sebastian Inlet to Ponce Inlet

A Hurricane Warning is in effect for...

- \* Jupiter Inlet southward around the Florida peninsula to Bonita Beach
- \* Florida Keys
- \* Lake Okeechobee
- \* Florida Bay
- \* Southeastern Bahamas and the Turks and Caicos Islands
- \* Cuban provinces of Camaguey, Ciego de Avila, Sancti Spiritus, and Villa Clara
- \* Central Bahamas
- \* Northwestern Bahamas

A Hurricane Watch is in effect for...

- \* North of Jupiter Inlet to the Flagler/Volusia County Line
- \* North of Bonita Beach to Anclote River
- \* Cuban provinces of Guantanamo, Holguin, Las Tunas and Matanzas

A Tropical Storm Warning is in effect for...

- \* Cuban provinces of Guantanamo, Holguin, and Las Tunas

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline, during the next 36 hours in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at [hurricanes.gov](http://hurricanes.gov). This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

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](http://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 somewhere within the warning area.

Interests elsewhere in Cuba, Florida, and the southeastern United States should monitor the progress of Irma.

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 the United States, please monitor products issued by your national meteorological service.

#### DISCUSSION AND 48-HOUR OUTLOOK

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At 1100 AM EDT (1500 UTC), the distinct eye of Hurricane Irma was located near latitude 22.0 North, longitude 75.3 West. Irma is moving toward the west-northwest near 14 mph (22 km/h), and this motion is expected to continue for the next day or so with a decrease in forward speed. A turn toward the northwest is expected by late Saturday. On the forecast track, the eye of Irma should move near the north coast of Cuba and the central Bahamas today and Saturday, and be near the Florida Keys and the southern Florida Peninsula Sunday morning.

Maximum sustained winds are near 150 mph (240 km/h) with higher gusts. Irma is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely during the next day or two, but Irma is forecast to remain a powerful category 4 hurricane as it approaches Florida.

Hurricane-force winds extend outward up to 70 miles (110 km) from the center and tropical-storm-force winds extend outward up to 185 miles (295 km).

The latest minimum central pressure reported by both Air Force and NOAA Hurricane Hunter planes was 927 mb (27.38 inches).

#### HAZARDS AFFECTING LAND

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**STORM SURGE:** 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 is expected to reach the following **HEIGHTS ABOVE GROUND** if the peak surge occurs at the time of high tide...

SW Florida from Captiva to Cape Sable...6 to 12 ft  
Jupiter Inlet to Cape Sable including the Florida Keys...5 to 10 ft  
Ponce Inlet to Jupiter Inlet...3 to 6 ft  
Venice to Captiva...3 to 6 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, 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.

The combination of a life-threatening storm surge and large breaking waves will raise water levels **ABOVE NORMAL TIDE LEVELS** by the following amounts within the hurricane warning area near and to the north of the center of Irma. Near the coast, the surge will be accompanied by large and destructive waves.

Turks and Caicos Islands...15 to 20 ft  
Southeastern and central Bahamas...15 to 20 ft

Northwestern Bahamas...5 to 10 ft  
Northern coast of Haiti and the Gulf of Gonave...1 to 3 ft  
Northern coast of Cuba in the warning area...5 to 10 ft

WIND: Hurricane conditions are occurring on the Turks and Caicos Islands, with tropical storm and hurricane conditions ongoing in the southeastern Bahamas. These conditions will move into the central Bahamas later today. Hurricane conditions are expected within the hurricane warning area along the north coast of Cuba late today and Saturday. Hurricane conditions are expected in the northwestern Bahamas tonight and Saturday, and in portions of southern Florida and the Florida Keys Saturday night or early Sunday.

Hurricane conditions are possible within the watch area in Florida by Sunday, with tropical storm conditions possible by late Saturday.

RAINFALL: Irma is expected to produce the following rain accumulations through Tuesday night:

Dominican Republic and Haiti...additional 1 to 4 inches.  
Turks and Caicos...additional 2 to 4 inches.  
Southern Bahamas and northern Cuba...10 to 15 inches, isolated 20 inches.  
Southern Cuba...4 to 8 inches, isolated 12 inches.  
Jamaica...1 to 2 inches.  
The upper Florida Keys into southeast Florida...10 to 15 inches, isolated 20 inches.  
Lower Florida Keys...4 to 8 inches.  
Eastern Florida northward into coastal Georgia...8 to 12 inches, isolated 16 inches.  
Western Florida peninsula...4 to 8 inches, isolated 12 inches.  
Much of Georgia...South Carolina...and Western North Carolina...3 to 6 inches.

In all areas this rainfall may cause life-threatening flash floods and, in some areas, mudslides.

SURF: Swells generated by Irma are affecting Puerto Rico, the Virgin Islands, the southeastern Bahamas, the Turks and Caicos Islands, the northern coast of the Dominican Republic, and should start affecting portions of the southeast coast of the United States later today and tonight. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

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

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Forecaster Avila