

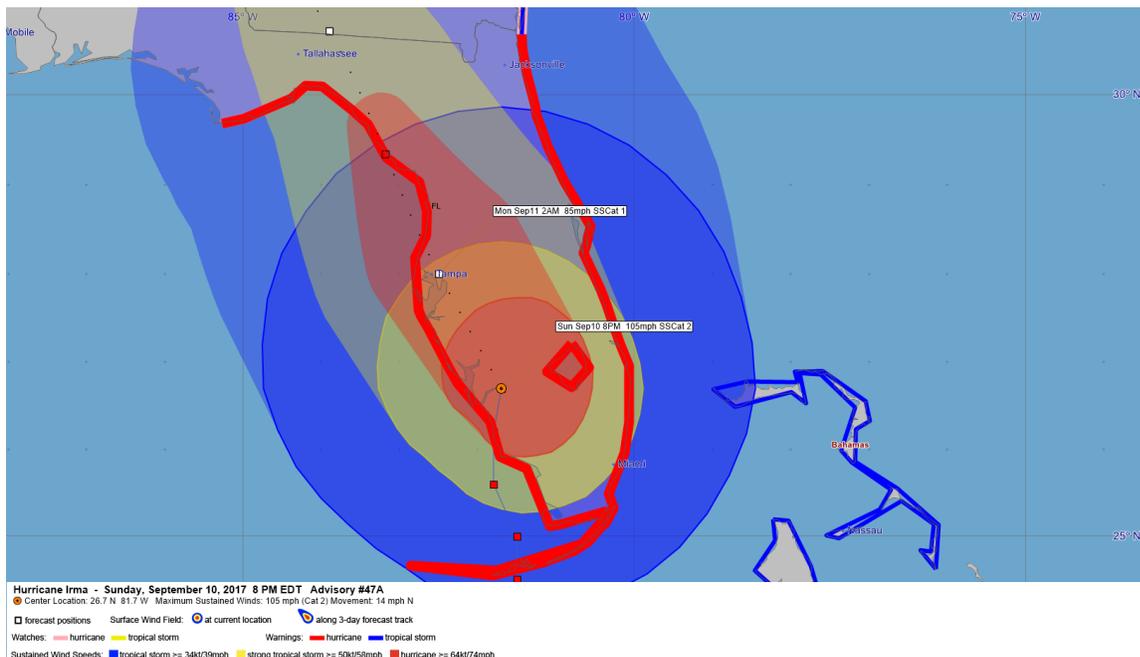
Storm Summary for Hurricane Irma

Sunday, September 10, 2017 at 8 PM EDT

(Output from Hurrevac, based on National Hurricane Center Forecast Advisory #47A)

Irma is currently a Category 2 hurricane on the Saffir-Simpson Hurricane Wind Scale, with maximum sustained winds of 105 mph (90 kts), moving north at 14 mph. The estimated minimum central pressure is 942 mb. Hurricane-force winds extend outward up to 80 miles (130 km) from the storm center. Tropical storm-force winds extend outward up to 220 miles (350 km) from the storm center.

Certain coastal locations are under Hurricane Warning, Hurricane Watch, and Tropical Storm Warning. The geographic extents of these watches and warnings are detailed in the advisory text at the end of this report.



Wind Analysis for Pasco, FL

(Based upon Hurricane IRMA Advisory #47A)

Wind Probabilities

Tampa, FL, the closest reporting location, has within the 5-day forecast period of this advisory, a 86% chance of hurricane-force (64kt/74mph or greater) winds, a 99% chance of at least strong tropical storm-force (50kt/58mph) winds, and a 99% chance of at least tropical storm-force (34kt/39mph) winds.

Peak Wind*

Winds in Pasco, FL are projected to peak at 75kt/86mph around 3 AM on Monday, September 11, 2017

Wind Arrival and Duration*

Tropical storm-force winds (34kt/39mph) are forecast to begin in Pasco, FL on Sunday, September 10, 2017 at 8 PM. Winds of this magnitude or higher are forecast to continue for 19 hours.

Strong tropical storm-force winds (50kt/58mph) are forecast to begin in Pasco, FL on Sunday, September 10, 2017 at 8 PM. Winds of this magnitude or higher are forecast to continue for 14 hours.

Hurricane-force winds (64kt/74mph) are forecast to begin in Pasco, FL on Sunday, September 10, 2017 at 11 PM. Winds of this magnitude or higher are forecast to continue for 8 hours.

* These wind estimations are limited to the first 72 hours (3 days) following advisory issuance, and are subject to considerable forecast uncertainty and generalization, especially if the storm is distant. Maximum sustained winds (the highest surface wind maintained over a 1 minute period) are reported here. Wind gusts and winds at higher elevations will be greater.

Evacuation Timing for Pasco, FL RegionBase Scenario

(Based upon Hurricane IRMA Advisory #47A)

The evacuation start time calculated by Hurrevac for Pasco, FL is Saturday, September 9, 2017 at 3 PM. This is based on a 84 hour clearance time (Regional - Base - Category 2, Occupancy: Medium, Response: Medium).

Hurrevac calculates evacuation start times based on a worst case, direct hit scenario. The reporting of a start time by the program does not necessarily imply that evacuation is necessary, only that if an evacuation under this scenario was needed, actions would need to be initiated by this time in order to allow enough time for completion before arrival of tropical storm-force winds.

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TTAA00 KNHC DDHHMM

BULLETIN

Hurricane Irma Intermediate Advisory Number 47A
NWS National Hurricane Center Miami FL AL112017
800 PM EDT Sun Sep 10 2017

...IRMA MOVING NORTHWARD NEAR FT. MYERS...
...DANGEROUS STORM SURGES EXPECTED IN AREAS OF ONSHORE WINDS ALONG
THE FLORIDA WEST COAST...

SUMMARY OF 800 PM EDT...0000 UTC...INFORMATION

LOCATION...26.7N 81.7W
ABOUT 15 MI...25 KM ENE OF FT. MYERS FLORIDA
ABOUT 30 MI...50 KM SE OF PORT CHARLOTTE FLORIDA
MAXIMUM SUSTAINED WINDS...105 MPH...165 KM/H
PRESENT MOVEMENT...N OR 355 DEGREES AT 14 MPH...22 KM/H
MINIMUM CENTRAL PRESSURE...942 MB...27.82 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...
* South Santee River southward to Jupiter Inlet
* North Miami Beach southward around the Florida peninsula to the
Ochlockonee River
* Florida Keys
* Tampa Bay

A Hurricane Warning is in effect for...
* Fernandina Beach southward around the Florida peninsula to Indian
Pass
* Florida Keys
* Lake Okeechobee
* Florida Bay

A Hurricane Watch is in effect for...
* North of Fernandina Beach to Edisto Beach

A Tropical Storm Warning is in effect for...
* West of Indian Pass to the Okaloosa/Walton County Line
* North of Fernandina Beach to South Santee River

A Tropical Storm Warning is in effect for...
* Bimini and Grand Bahama

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. 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.

Interests elsewhere in 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

At 800 PM EDT (0000 UTC), the center of Hurricane Irma was located by NOAA Doppler radar near latitude 26.7 North, longitude 81.7 West. Irma is moving toward the north near 14 mph (22 km/h), and a north-northwestward motion with an increase in forward speed is expected by tonight, with that motion continuing through Monday. On the forecast track, the eye of Irma should move near or over the west coast of the Florida Peninsula through Monday morning. Irma should then move inland over northern Florida and southwestern Georgia Monday afternoon.

Maximum sustained winds have decreased to near 105 mph (165 km/h) with higher gusts. Although weakening is forecast, Irma is expected to remain a hurricane at least through Monday morning.

Hurricane-force winds extend outward up to 80 miles (130 km) from the center, and tropical-storm-force winds extend outward up to 220 miles (350 km).

The estimated minimum central pressure is 942 mb (27.82 inches).

HAZARDS AFFECTING LAND

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...

Cape Sable to Captiva...10 to 15 ft
Captiva to Ana Maria Island...6 to 10 ft
Card Sound Bridge through Cape Sable, including the Florida Keys...
5 to 10 ft
Anna Maria Island to Clearwater Beach, including Tampa Bay...
5 to 8 ft
North Miami Beach to Card Sound Bridge, including Biscayne Bay...
3 to 5 ft
South Santee River to Fernandina Beach...4 to 6 ft
Clearwater Beach to Ochlockonee River...4 to 6 ft
Fernandina Beach to Jupiter Inlet...3 to 5 ft
North of North Miami Beach to Jupiter Inlet...1 to 2 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.

WIND: Hurricane conditions are continuing across portions of the southern Florida peninsula. Winds affecting the upper floors of high-rise buildings will be significantly stronger than those near ground level. Tropical storm and hurricane conditions are expected to spread northward across the remainder of the warning areas through Monday. Tropical storm conditions are expected in portions of the warning area in the Northwestern Bahamas this evening.

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

Western Bahamas...Additional 2 to 4 inches, isolated 6 inches.

The Florida Keys...Additional 3 to 6 inches with storm total amounts from 15 to 20 inches, isolated 25 inches.

Western Florida peninsula...10 to 15 inches, isolated 20 inches.

Eastern Florida peninsula and southeast Georgia...8 to 12 inches, isolated 16 inches.

The rest of Georgia, the eastern Florida Panhandle, southern and western South Carolina, and western North Carolina...3 to 8 inches, isolated 12 inches.

Southern Tennessee, northern Mississippi and much of Alabama...2 to 5 inches.

In all areas this rainfall may cause life-threatening flash floods.

TORNADOES: Tornadoes remain possible through tonight, mainly across central and eastern portions of the Florida Peninsula and extreme southeast Georgia.

THE EYE: Do not venture outside when the calm eye of the hurricane passes over, as dangerous winds will return very quickly when the eye moves away.

SURF: Swells generated by Irma are affecting the southeast coast of the United States. 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 PM EDT.

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Forecaster Berg

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WTNT41 KNHC 102054

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Hurricane Irma Discussion Number 47

NWS National Hurricane Center Miami FL AL112017

500 PM EDT Sun Sep 10 2017

Irma made landfall a couple of hours ago near Marco Island, Florida with an estimated intensity of 100 kt. The eye just passed over Naples, and assuming some decay over land, the current intensity estimate is 95 kt. The interaction with the Florida Peninsula along with strong southwesterly shear should cause significant weakening, but Irma's large and powerful circulation will likely maintain hurricane strength until Monday morning at the earliest. Irma should be well inland and weaken to a remnant low in 72 hours. The official intensity forecast is above the model consensus.

Center fixes indicate a slightly west of due northward motion at about 350/12 kt. Global models indicate that Irma is embedded within a broader cyclonic mid-level gyre. The cyclone is expected to be steered around the eastern side of this gyre over the next few days. This will take the system inland over the southeastern United States within a day or so. The track guidance remains in good agreement, and the official forecast is close to the model consensus with a slight lean toward the ECMWF solution. This is very close to the previous NHC track.

KEY MESSAGES:

1. Life-threatening wind and storm surge from Irma will continue in the Florida Keys and southwestern Florida and spread into central and northwestern Florida tonight and Monday.
2. There is imminent danger of life-threatening storm surge flooding along much of the Florida west coast, including the Florida Keys, where a Storm Surge Warning is in effect. The threat of catastrophic storm surge flooding is highest along the southwest coast of Florida, where 10 to 15 feet of inundation above ground level is expected. This is a life-threatening situation.
3. Irma will bring life-threatening wind impacts to much of Florida regardless of the exact track of the center. Wind hazards from Irma are also expected to spread northward through Georgia and into portions of Alabama, Tennessee, South Carolina, and North Carolina.
4. Irma is producing very heavy rain and inland flooding across much of Florida, which will quickly spread to the rest of the southeast United States. Intense rainfall rates of 2 to 4 inches per hour is leading to flash flooding and rapid rises on creeks, streams, and rivers. Significant river flooding is likely over the next five days in the Florida peninsula and southeast Georgia, where average rainfall of 8 to 15 inches and isolated 20 inch amounts are expected. Significant river flooding is also possible beginning Monday and Tuesday in much of eastern and central Georgia, western South Carolina, and western North Carolina, where average rainfall of 3 to 8 inches and isolated 12 inch amounts are expected. Mountainous parts of these states will be especially vulnerable to flash flooding. Farther west, Irma is expected to produce average amounts of 2 to 5 inches in parts of Mississippi, Alabama and Tennessee, where isolated higher amounts and local flooding may occur.

FORECAST POSITIONS AND MAX WINDS

INIT 10/2100Z 26.2N 81.8W 95 KT 110 MPH...INLAND

12H 11/0600Z 28.0N 82.5W 75 KT 85 MPH...INLAND

24H 11/1800Z 30.7N 83.9W 55 KT 65 MPH...INLAND

36H 12/0600Z 33.1N 86.0W 35 KT 40 MPH...INLAND
48H 12/1800Z 34.5N 88.3W 30 KT 35 MPH...INLAND
72H 13/1800Z 36.5N 89.0W 25 KT 30 MPH...POST-TROP/INLAND
96H 14/1800Z 39.0N 86.5W 20 KT 25 MPH...POST-TROP/INLAND
120H 15/1800Z...DISSIPATED
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Forecaster Pasch