

Hurricane Idalia Public Advisory

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WTNT35 KNHC 291153

TCPAT5

BULLETIN

Hurricane Idalia Intermediate Advisory Number 11A

NWS National Hurricane Center Miami FL AL102023

700 AM CDT Tue Aug 29 2023

...NOAA HURRICANE HUNTERS FIND IDALIA STRENGTHENING...

SUMMARY OF 700 AM CDT...1200 UTC...INFORMATION

LOCATION...23.8N 84.8W

ABOUT 135 MI...215 KM WSW OF THE DRY TORTUGAS

ABOUT 320 MI...515 KM SSW OF TAMPA FLORIDA

MAXIMUM SUSTAINED WINDS...80 MPH...130 KM/H

PRESENT MOVEMENT...N OR 005 DEGREES AT 14 MPH...22 KM/H

MINIMUM CENTRAL PRESSURE...977 MB...28.85 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

* Englewood northward to Indian Pass, including Tampa Bay

A Hurricane Warning is in effect for...

* Cuban province of Pinar del Rio

* Middle of Longboat Key northward to Indian Pass, including Tampa Bay

A Tropical Storm Warning is in effect for...

* Isle of Youth Cuba

* Dry Tortugas Florida

* Chokoloskee northward to the Middle of Longboat Key

* West of Indian Pass to Mexico Beach

* Sebastian Inlet, Florida to Altamaha Sound, Georgia

A Storm Surge Watch is in effect for...

* Chokoloskee northward to Englewood, including Charlotte Harbour

* Mouth of the St. Mary's River to South Santee River South

Carolina

A Hurricane Watch is in effect for...

- * Englewood to the Middle of Longboat Key

A Tropical Storm Watch is in effect for...

- * Lower Florida Keys west of the west end of the Seven Mile Bridge

- * Altamaha Sound northward to South Santee River South Carolina

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 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.

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

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 Watch means that hurricane conditions are possible within the watch area.

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

Interests elsewhere along the southeastern U.S. coast should monitor the progress of this system. Additional watches and warnings along the southeast United States coast will likely 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 700 AM CDT (1200 UTC), the center of Hurricane Idalia was located near latitude 23.8 North, longitude 84.8 West. Idalia is moving toward the north near 14 mph (22 km/h). A northward motion is

expected today, followed by a faster north-northeast motion later today and Wednesday. On the forecast track, the center of Idalia is forecast to move over the eastern Gulf of Mexico today, reach the Gulf coast of Florida within the Hurricane Warning area on Wednesday, and move close to the Carolina coastline on Thursday.

Data from a NOAA Hurricane Hunter aircraft indicate that maximum sustained winds have increased to near 80 mph (130 km/h) with higher gusts. Rapid intensification is likely through landfall, and Idalia is forecast to become an extremely dangerous major hurricane before landfall on Wednesday.

Hurricane-force winds extend outward up to 15 miles (30 km) from the center and tropical-storm-force winds extend outward up to 160 miles (260 km).

The minimum central pressure based on dropsonde data is 977 mb (28.85 inches).

HAZARDS AFFECTING LAND

Key messages for Idalia can be found in the Tropical Cyclone Discussion under AWIPS header MIATCDAT5 and WMO header WTNT45 KNHC, and on the web at hurricanes.gov/text/MIATCDAT5.shtml

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 could reach the following heights above ground somewhere in the indicated areas if the peak surge occurs at the time of high tide...

Aucilla River, FL to Chassahowitzka, FL...8-12 ft
Chassahowitzka, FL to Anclote River, FL...6-9 ft
Ochlockonee River, FL to Aucilla River, FL...5-8 ft
Anclote River, FL to Middle of Longboat Key, FL...4-7 ft
Tampa Bay...4-7 ft
Middle of Longboat Key, FL to Englewood, FL...3-5 ft
Englewood, FL to Chokoloskee, FL...2-4 ft
Charlotte Harbor...2-4 ft
Indian Pass, FL to Ochlockonee River, FL...3-5 ft
Mouth of the St. Mary's River to South Santee, SC...2-4 ft
Chokoloskee, FL to East Cape Sable, FL...1-3 ft
Flagler/Volusia County Line, FL to Mouth of St. Mary's River...1-3 ft
Indian Pass to Mexico Beach...1 to 3 ft.
Florida Keys...1-2 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and dangerous 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.

Elevated water levels along the southern coast of Pinar del Rio,

Cuba will gradually subside today.

WIND: Hurricane and tropical storm conditions are expected within the warning areas in western Cuba through this morning.

Hurricane conditions are expected within the hurricane warning area in Florida by late today or Wednesday, with tropical storm conditions beginning today.

Tropical storm conditions are expected in the Dry Tortugas soon and within the tropical storm warning area along the Florida Gulf coast and the Florida west coast later today.

Tropical storm conditions are expected to begin on Wednesday in the warning area along the east coast of Florida and South Carolina. Tropical storm conditions are possible along the southeast U.S. coast within the southern portions of the watch area by early Wednesday.

RAINFALL: Idalia is expected to produce the following rainfall amounts:

Western Cuba: 4 to 7 inches, with isolated higher totals of 10 inches.

Portions of the west coast of Florida, the Florida Panhandle, southeast Georgia and the eastern Carolinas: 4 to 8 inches from today into Thursday. Isolated higher totals of 12 inches possible, primarily near landfall in northern Florida.

This rainfall may lead to flash and urban flooding, and landslides across western Cuba.

Areas of flash and urban flooding, some of which may be locally significant, are expected across portions of the west coast of Florida, the Florida Panhandle, and southern Georgia today into Wednesday, spreading into portions of the eastern Carolinas Wednesday into Thursday.

SURF: Swells generated by Idalia are affecting portions of the southern coast of Cuba and eastern Yucatan. These swells will spread northward along the eastern United States Gulf Coast during the next day or two. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

TORNADOES: A few tornadoes will be possible later day along the west central Florida coast. The tornado threat will spread northward into the Florida Big Bend by tonight.

NEXT ADVISORY

Next complete advisory at 1000 AM CDT.

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Forecaster Berg

