

Idalia on brink of slamming Florida as extreme Category 4 hurricane

August 29 2023, by Jesus Olarte, with Gerard Martinez in Steinhatchee, Florida



Residents of Steinhatchee, a small coastal town in Florida's Big Bend region, have been ordered to evacuate ahead of Idalia's arrival.

Hurricane Idalia intensified late Tuesday as it hurtled towards northwest

Florida, threatening "catastrophic" impacts including dangerous storm surge, with officials forecasting it will slam the coast within hours as an extreme and historic Category 4 storm.

Authorities in the southern US state described Idalia and its potentially deadly storm surge as a once-in-a-lifetime event for the state's northwest coast, as they ordered mass evacuations and issued flood alerts ahead of a projected landfall early Wednesday.

The US National Hurricane Center (NHC) said Idalia, which earlier raked western Cuba, had strengthened to the top of Category 2 status by 11:00 pm Tuesday (0300 GMT Wednesday) with winds of 110 miles (177 kilometers) per hour.

Warm waters in the Gulf of Mexico are expected to further turbocharge Idalia, which is "forecast to be an extremely dangerous Category 4 intensity at landfall," with wind speeds of 130 to 156 miles per hour, the NHC said.

It warned of potentially disastrous storm surge inundation of 10 to 16 feet (3-5 meters) in some coastal areas.

"Very few people can survive being in the path of a major storm surge, and this storm will be deadly if we don't get out of harm's way and take it seriously," said Federal Emergency Management Agency (FEMA) chief Deanne Criswell.

Storms that are Category 3 or higher on the five-level Saffir-Simpson scale are considered to be major weather events.

In the small coastal town of Steinhatchee, resident Robert Bryant was making final preparations to evacuate inland with his two cats and a dog.



Idalia is expected to make landfall as a major Category 3 hurricane.

"We are out on the water, so we are going to be the worst ones to get hit," said the 18-year-old student, whose home built on stilts is close to the mouth of a river.

"Hopefully, it just blows over and we have a bit of wind... but you prepare for the worst and hope for the best," he told AFP.

The nearby cities of Tampa and St. Petersburg, part of a metropolitan area that is home to more than three million people, are of particular concern, authorities said.

"There's a danger of life-threatening storm surge along portions of the Florida Gulf Coast from Tampa Bay to the Big Bend region," said Matthew Payne of FEMA's Office of Response and Recovery.

Idalia was already battering parts of Florida, with flooding seen in Fort Myers Beach south of Tampa.

Leave 'now'

Governor Ron DeSantis urged those in the evacuation areas in 23 counties along Florida's Gulf coast to go "now," and head to shelters or hotels outside the danger zones.

He said the hurricane appeared to be the strongest to impact the region in more than a century.



People ride a bicycle through a flooded street in Havana, on August 29, 2023, during the passage of storm Idalia.

Meteorologists are also pointing to a rare blue supermoon which could further raise tides above normal levels just as Idalia pounds the coastline.

Almost 150 people were killed last year when Hurricane Ian slammed Florida's west coast as a devastating Category 4 storm, bringing ocean surges and heavy winds that downed bridges and swept away buildings.

Idalia is expected to make landfall farther north along the coast, in the so-called Big Bend area—a vast marshy region which, unlike most other coastal areas around Florida, does not have barrier islands.

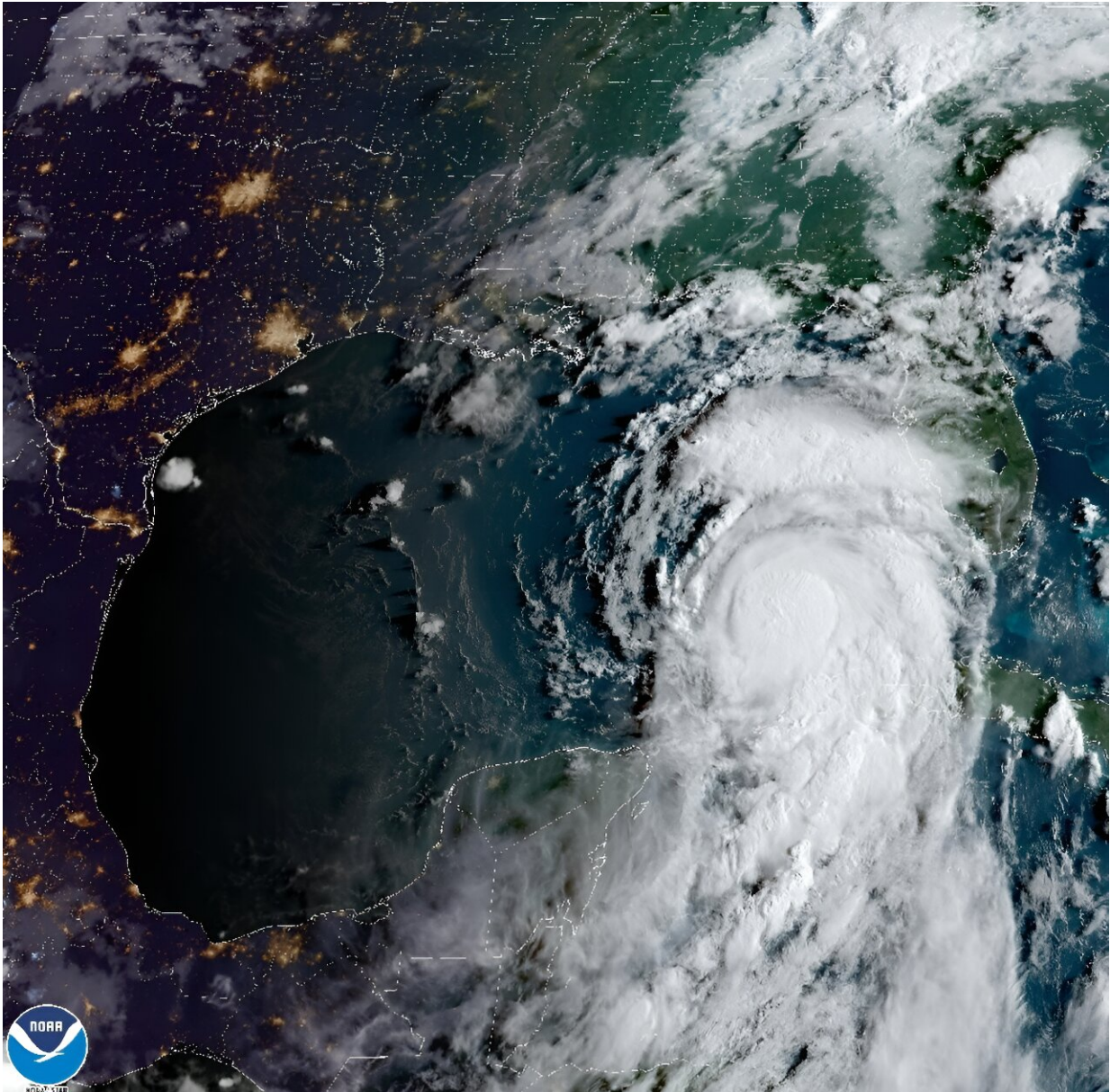
The storm is forecast to dump up to 12 inches (30 centimeters) of rain in parts of the Florida panhandle, potentially triggering flash and urban flooding, and tornadoes were also possible along Florida's west central coast through Tuesday night, according to the NHC.

"You are going to see a lot of debris—there's a lot of trees along that track," said DeSantis, who has suspended his presidential campaign to handle the crisis.

US President Joe Biden spoke with DeSantis on Monday and approved an emergency declaration for the state, which unblocks federal funds and resources.

"We'll make sure they have everything they need," Biden said. FEMA has already sent hundreds of emergency personnel into the storm zone.

Tampa International Airport closed ahead of Idalia's arrival, while flights were disrupted along the US east coast as another hurricane, Franklin, churns in the Atlantic.



This image obtained from the National Oceanic and Atmospheric Administration (NOAA), shows Hurricane Idalia (C R) moving into the Gulf of Mexico on August 29, 2023.

'Marine heat wave'

Georgia and South Carolina are also under storm watches as Idalia is expected to cross northeast over Florida before exiting into the Atlantic.

All three states could see flooding Wednesday or Thursday, with Idalia likely maintaining hurricane force across Georgia, the NHC said.

In Cuba, the storm flooded several communities including parts of the capital Havana and knocked out power to about 200,000 people but there were no deaths reported.

The storm then moved out over the Gulf, which scientists say is experiencing a "marine heat wave"—energizing Idalia's winds as it raced towards Florida.

Scientists have warned that storms are becoming more powerful as the world warms due to climate change.

© 2023 AFP

Citation: Idalia on brink of slamming Florida as extreme Category 4 hurricane (2023, August 29) retrieved 2 May 2024 from

<https://phys.org/news/2023-08-florida-evacuations-extremely-dangerous-idalia.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.