



# NATIONAL HURRICANE CENTER and CENTRAL PACIFIC HURRICANE CENTER

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## TROPICAL STORM ISAIAS

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U.S. Watch/Warning Local Products

Wind Speed Probabilities	Arrival Time of Winds	Wind History	Warnings/Cone Interactive Map	Warnings/Cone Static Images	Warnings and Surface Wind	Key Messages
Mensajes Claves	Storm Surge Inundation	Storm Surge Watch/Warning	Peak Surge	U.S. Rainfall Potential	Flash Flooding Potential	



### Key Messages for Tropical Storm Isaias Advisory 22: 11:00 AM EDT Sun Aug 02, 2020

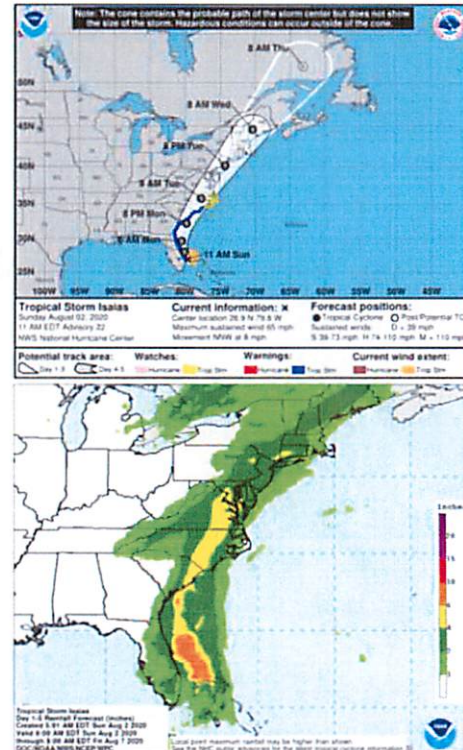


1. Tropical storm conditions will spread northward along the east coast of Florida within the warning area through early Monday and will reach the coasts of Georgia, South Carolina, and southern North Carolina within the warning area Monday and early Tuesday.

2. Dangerous storm surge is possible from Edisto Beach South Carolina to Cape Fear North Carolina where water rises of 2 to 4 feet above ground level are possible along the immediate coastline and adjacent waterways. A Storm Surge Warning may be needed for a portion of this area later today, and residents there should follow advice given by local emergency officials.

3. Heavy rainfall from Isaias will continue to result in potentially life-threatening flash flooding in the Northwest Bahamas through tonight. Flash and urban flooding, some of which may be significant in the coastal Carolinas and Virginia, is expected through midweek along and near the path of Isaias along the U.S. East Coast. Widespread minor to isolated moderate river flooding is possible across portions of the Carolinas and Mid-Atlantic.

4. A Tropical Storm Watch is in effect for portions of the North Carolina coast, where tropical storm conditions are possible on Tuesday. Additional watches and warnings will likely be issued later today as Isaias is expected to move northward near or over the mid-Atlantic and northeast coasts Tuesday and Wednesday.



For more information go to [hurricanes.gov](https://hurricanes.gov)

[Click Here for a Printer Friendly Graphic](#)

### About this product:

Key Messages, when available, are found in the NHC Tropical Cyclone Discussion text product. They are designed to highlight essential points about hazards and forecast uncertainty for select tropical cyclones. The Key Messages graphic on the NHC website and NHC social media (Twitter and/or Facebook) pages includes the text of the Key Messages and relevant tropical cyclone graphics, which can include the cone graphic, the 34-kt cumulative wind speed probability graphic, or a rainfall forecast graphic provided by the Weather Prediction Center.

The National Hurricane Center encourages sharing and use of the Key Messages graphics. The Key Messages graphics, like all information on National Weather Service web pages are in the public domain and may be used or shared for any lawful purpose so long as you do not: 1) claim it is your own (e.g., by claiming copyright for NWS information), 2) use it in a manner that implies an endorsement or affiliation with NOAA/NWS, or 3) modify its content and then present it as

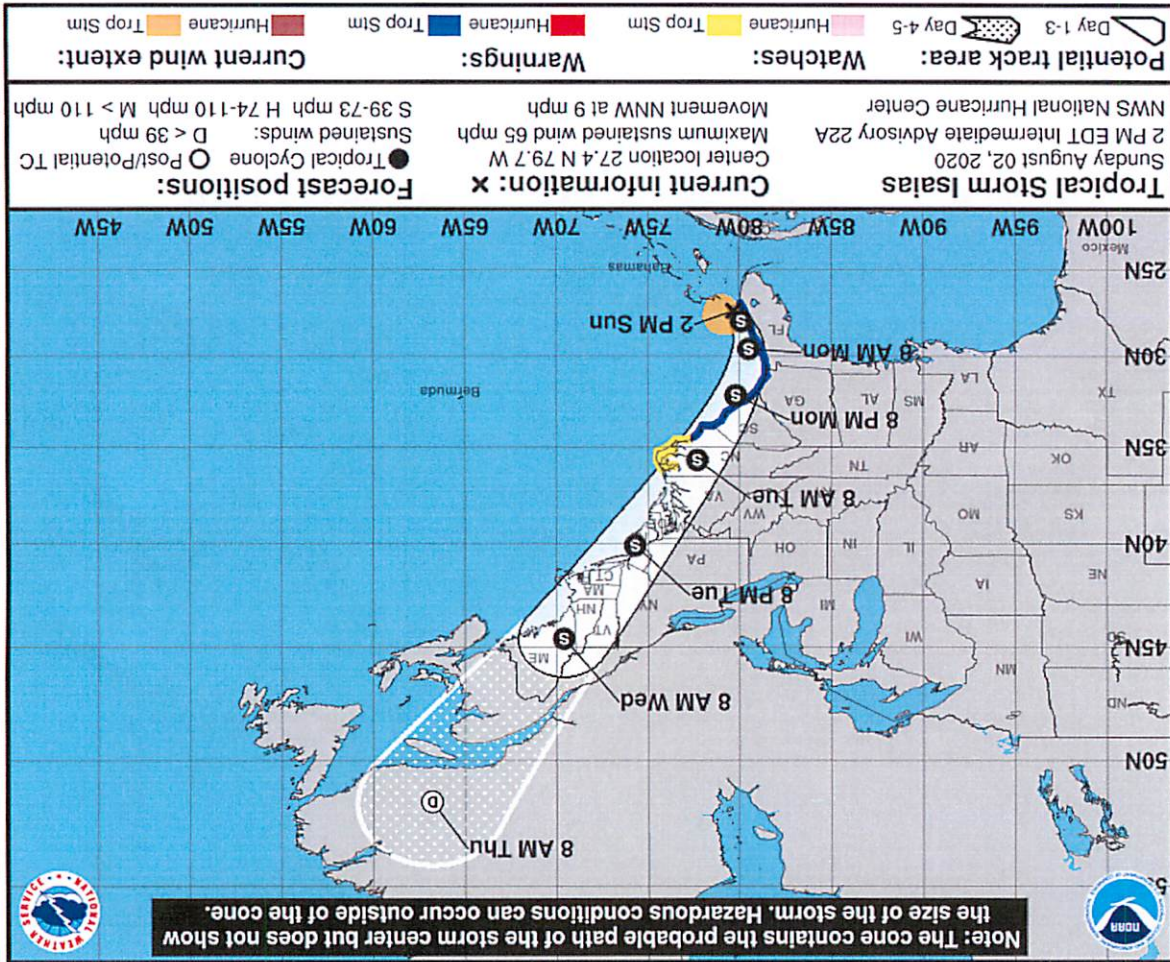
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U.S. Watch/Warning Local Products


Coastal Watches/Warnings and Forecast Cone for Storm Center

Forecast Length*	3 days
Forecast Track Line	On
Initial Wind Field	On





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## TROPICAL STORM ISAIAS

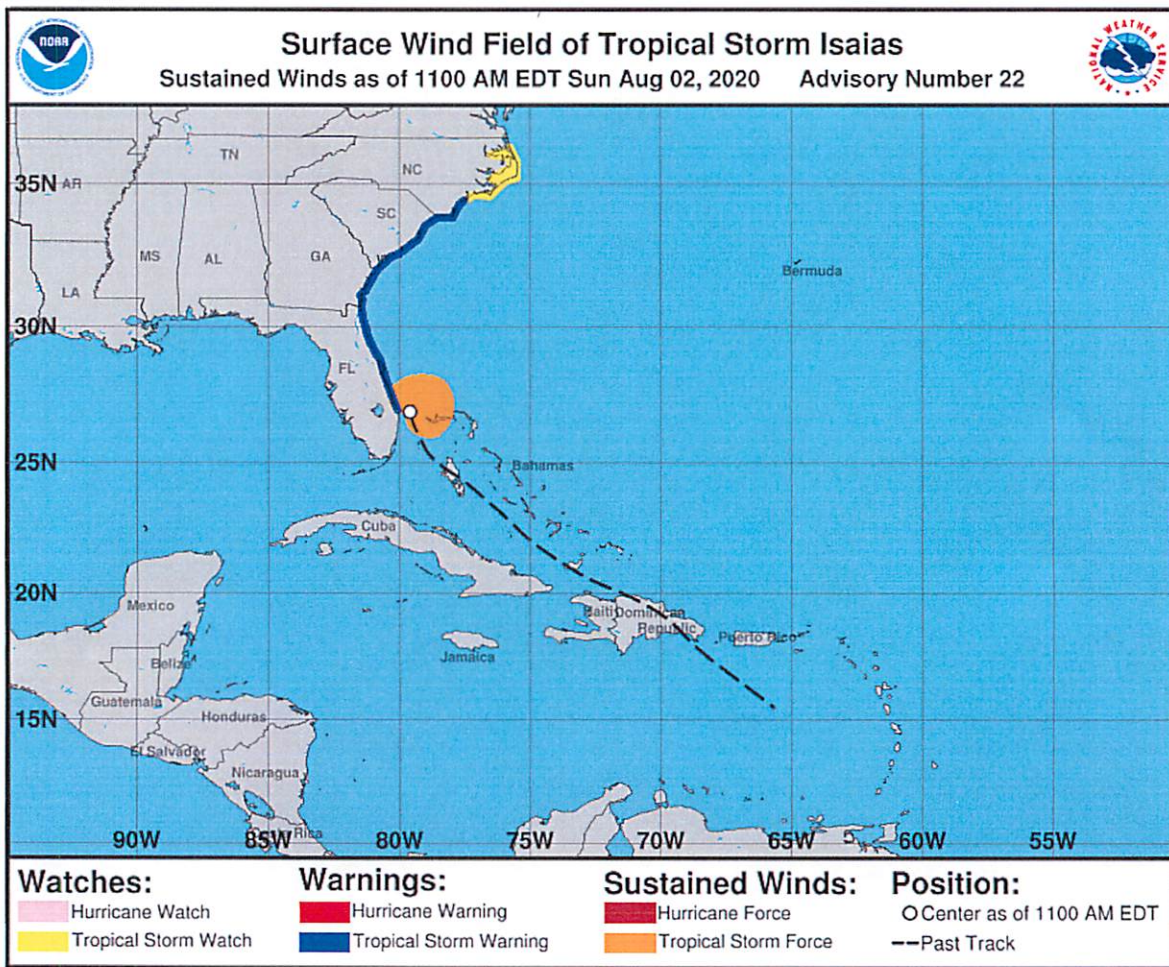
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U.S. Watch/Warning Local Products

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### Surface Wind Field

[Download GIS data](#)



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## Tropical Storm Isaias Public Advisory

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955  
WTNT34 KNHC 021755  
TCPAT4

### BULLETIN

Tropical Storm Isaias Intermediate Advisory Number 22A  
NWS National Hurricane Center Miami FL AL092020  
200 PM EDT Sun Aug 02 2020

...ISAIAS MOVING SLOWLY NORTH-NORTHWESTWARD JUST OFFSHORE THE  
EAST-CENTRAL FLORIDA COAST...

### SUMMARY OF 200 PM EDT...1800 UTC...INFORMATION

-----  
LOCATION...27.4N 79.7W  
ABOUT 45 MI...75 KM ESE OF VERO BEACH FLORIDA  
ABOUT 90 MI...150 KM SE OF CAPE CANAVERAL FLORIDA  
MAXIMUM SUSTAINED WINDS...65 MPH...100 KM/H  
PRESENT MOVEMENT...NNW OR 345 DEGREES AT 9 MPH...15 KM/H  
MINIMUM CENTRAL PRESSURE...995 MB...29.39 INCHES

### WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY:

None.

### SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

- A Storm Surge Watch is in effect for...  
\* Edisto Beach South Carolina to Cape Fear North Carolina
- A Tropical Storm Warning is in effect for...  
\* Jupiter Inlet Florida to Surf City North Carolina
- A Tropical Storm Watch is in effect for...  
\* North of Surf City to Duck North Carolina  
\* Pamlico and Albemarle Sounds

Interests elsewhere along the mid-Atlantic coast of the United States should monitor the progress of Isaias. Additional watches or warnings may be required later today.

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 Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area, generally within 36 hours.

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

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 200 PM EDT (1800 UTC), the center of Tropical Storm Isaias was located by an Air Force Reserve reconnaissance aircraft and NOAA Doppler weather radar near latitude 27.4 North, longitude 79.7 West. Isaias is moving toward the north-northwest near 9 mph (15 km/h) and this general motion is expected to continue through Monday morning. A turn toward the north and north-northeast is anticipated on Monday and Tuesday with an increase in forward speed. On the forecast track, the center of Isaias will move near the east coast of Florida today through late tonight. On Monday and Tuesday, the center of Isaias will move from offshore the coast of Georgia into the mid-Atlantic states.

Data from the aircraft and the Melbourne, Florida, Doppler radar data indicate that maximum sustained winds are near 65 mph (100 km/h) with higher gusts. Some fluctuations in strength will be possible during the next 48 hours.

Tropical-storm-force winds extend outward up to 115 miles (185 km) from the center. During the past couple of hours, the NOAA C-MAN station at Settlement Point, Grand Bahama Island, measured a wind gust of 48 mph (78 km/h), and a weather station at Sebastian Inlet, Florida measured a wind gust of 46 mph (74 km/h).

The minimum central pressure based on reports from the reconnaissance aircraft is estimated to be 995 mb (29.39 inches).

#### HAZARDS AFFECTING LAND

Key messages for Isaias can be found in the Tropical Cyclone Discussion under AWIPS header MIATCDAT4, WMO header WTNT44 KNHC, and on the web at [www.hurricanes.gov/text/MIATCDAT4.shtml](http://www.hurricanes.gov/text/MIATCDAT4.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...

Edisto Beach SC to Cape Fear NC...2-4 ft  
Jupiter Inlet FL to Edisto Beach SC...1-3 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large 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:** Tropical storm conditions are expected to spread northward along the coast of Florida within the warning area through tonight. These conditions will spread northward along the coasts of Georgia, South Carolina, and North Carolina within the warning area on Monday and Tuesday.

Tropical storm conditions are possible in the watch area in North Carolina on Tuesday.

**RAINFALL:** The following rainfall accumulations are expected along and near the track of Isaias:

Northwest Bahamas: 4 to 8 inches, with isolated maximum totals of 12 inches.

Eastern Florida: 2 to 4 inches, with isolated maximum totals of 6 inches.

Northeast Florida and coastal Georgia: 1 to 3 inches.

Carolinas and the mid Atlantic: 3 to 5 inches, with isolated maximum totals of 7 inches.

Southeast New York and much of New England: 2 to 4 inches, with isolated maximum totals of 6 inches.

Heavy rainfall from Isaias will continue to result in potentially life-threatening flash flooding in the Northwest Bahamas through tonight. Flash and urban flooding, some of which may be significant in the coastal Carolinas and Virginia, is expected through midweek

along and near the path of Isaias across the East Coast of the United States. Widespread minor to isolated moderate river flooding is possible across portions of the Carolinas and Mid-Atlantic.

**SURF:** Swells generated by Isaias are affecting portions of the Bahamas and the southeast coast of the United States and will spread northward along the U.S. east 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.

**TORNADOES:** The potential for a couple tornadoes will begin along coastal South Carolina during the late afternoon and evening on Monday, spreading across eastern North Carolina on Monday night.

NEXT ADVISORY

Next complete advisory at 500 PM EDT.

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Forecaster Stewart

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### Quick Links and Additional Resources

#### TROPICAL CYCLONE FORECASTS

[Tropical Cyclone Advisories](#)  
[Tropical Weather Outlook](#)  
[Audio/Podcasts](#)  
[About Advisories](#)

#### MARINE FORECASTS

[Offshore Waters Forecasts](#)  
[Gridded Forecasts](#)  
[Graphicast](#)  
[About Marine](#)

#### SOCIAL MEDIA

 [NHC on Facebook](#)  
 [Twitter](#)  
 [YouTube](#)  
 [NHC Blog: "Inside the Eye"](#)

#### HURRICANE PREPAREDNESS

[Preparedness Guide](#)  
[Hurricane Hazards](#)  
[Watches and Warnings](#)  
[Marine Safety](#)  
[Ready.gov Hurricanes | en Español](#)  
[Weather-Ready Nation](#)  
[Emergency Management Offices](#)

#### RESEARCH AND DEVELOPMENT

[NOAA Hurricane Research Division](#)  
[Joint Hurricane Testbed](#)  
[Hurricane Forecast Improvement Program](#)

#### OTHER RESOURCES

[Q & A with NHC](#)  
[NHC/AOML Library Branch](#)  
[NOAA: Hurricane FAQs](#)  
[National Hurricane Operations Plan](#)  
[WX4NHC Amateur Radio](#)

#### NWS FORECAST OFFICES

[Weather Prediction Center](#)  
[Storm Prediction Center](#)  
[Ocean Prediction Center](#)  
[Local Forecast Offices](#)

#### WORLDWIDE TROPICAL CYCLONE CENTERS

[Canadian Hurricane Centre](#)  
[Joint Typhoon Warning Center](#)  
[Other Tropical Cyclone Centers](#)  
[WMO Severe Weather Info Centre](#)



US Dept of Commerce  
National Oceanic and Atmospheric  
Administration  
National Hurricane Center  
11691 SW 17th Street  
Miami, FL, 33165  
[nhcwebmaster@noaa.gov](mailto:nhcwebmaster@noaa.gov)

Central Pacific Hurricane Center  
2525 Correa Rd  
Suite 250  
Honolulu, HI 96822  
[W-HFO.webmaster@noaa.gov](mailto:W-HFO.webmaster@noaa.gov)

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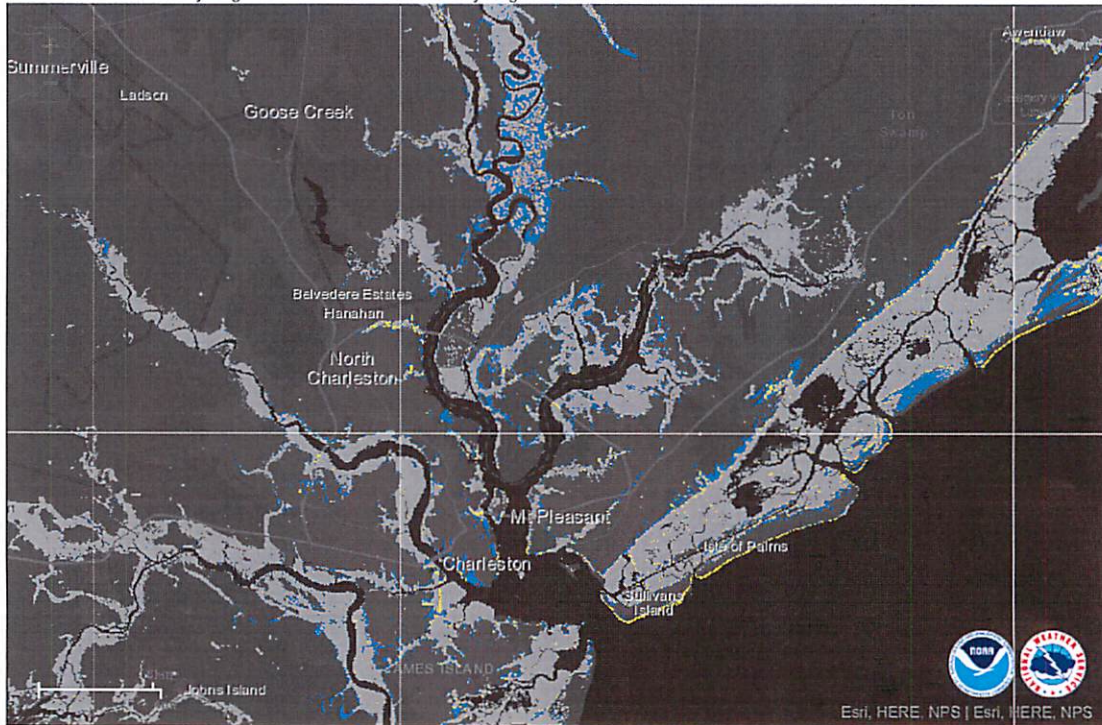
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### Potential Storm Surge Flooding Map (Inundation)

NHC Potential Storm Surge Flooding Map  
Tropical Storm ISAIAS (2020) Advisory 22  
From 11 AM EDT Sunday August 02 to 02 PM EDT Thursday August 06



#### Potential Storm Surge Flooding\*

- Intertidal Zone/Estuarine Wetland
- Greater than 1 foot above ground
- Greater than 3 feet above ground
- Greater than 6 feet above ground
- Greater than 9 feet above ground

#### Map Layer Options:

Inundation Layer Only
  Inundation with Intertidal Layer
 Map Opacity Slider

\*Displayed flooding values indicate the water height that has about a 1-in-10 (10%) chance of being exceeded.



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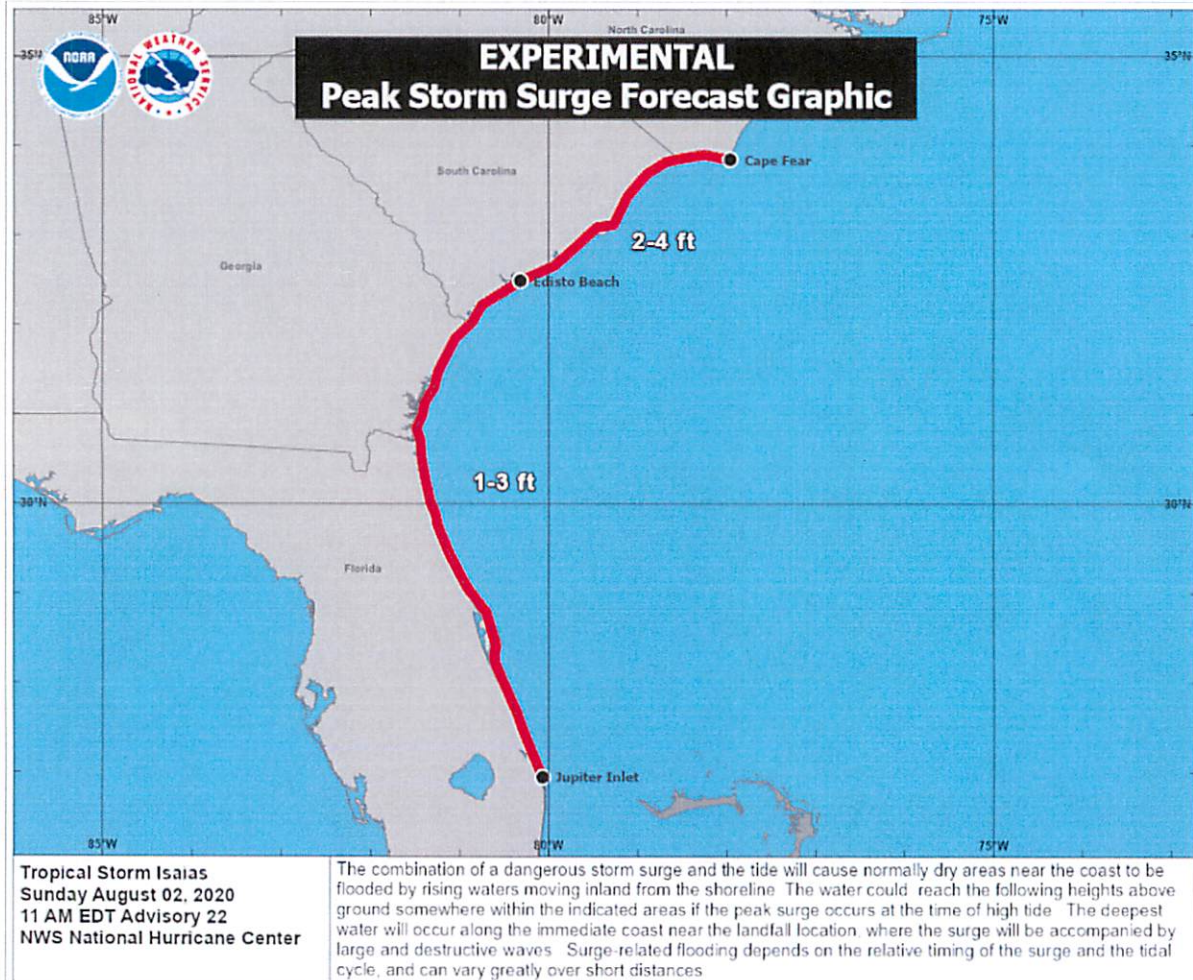
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### Experimental Peak Storm Surge Forecast



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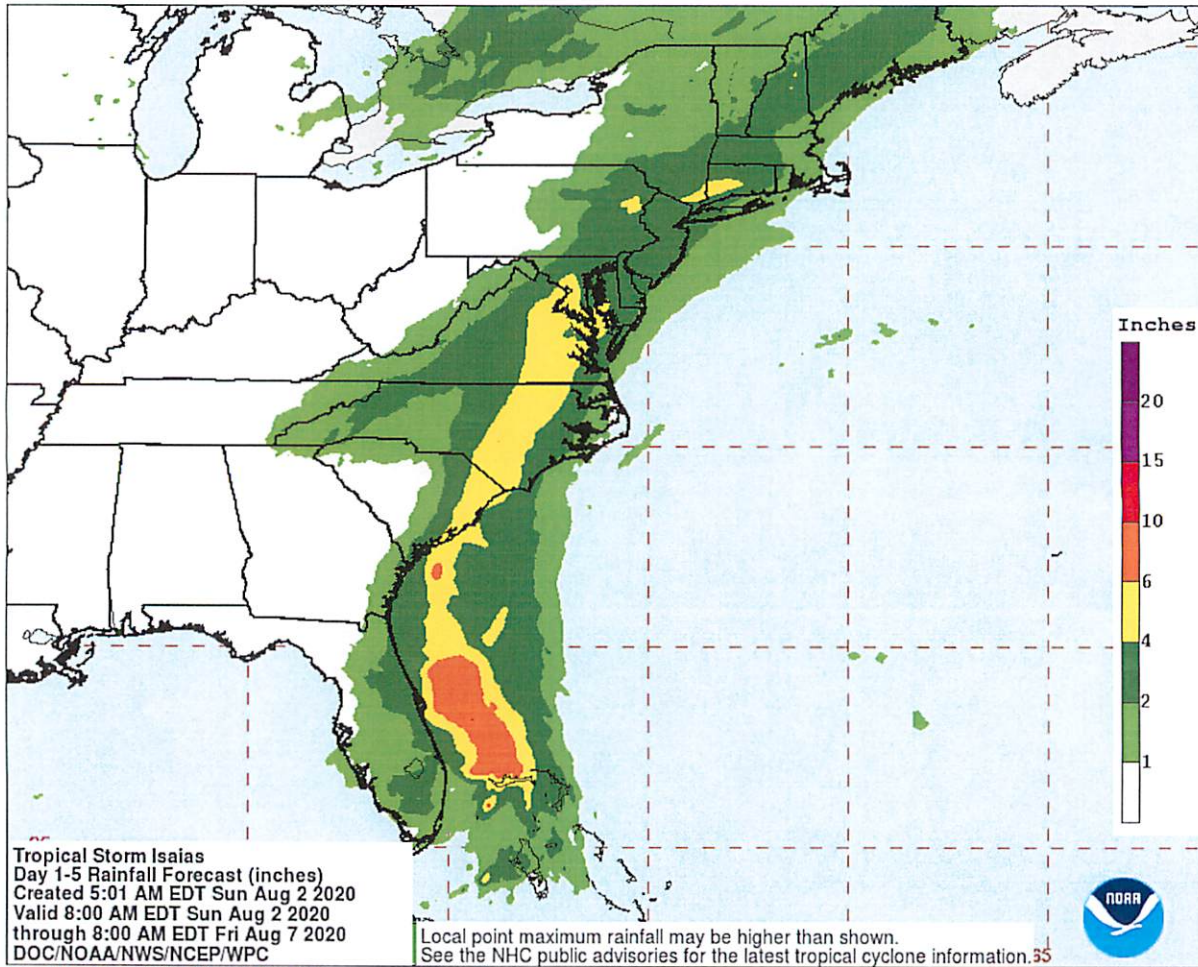
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### U.S. Rainfall QPF (from WPC)



### About this product:

This graphic is created by the [NWS/NCEP Weather Prediction Center \(WPC\)](#) and shows rainfall potential for the United States when a tropical cyclone threatens land. The graphic is displayed as a Quantitative Precipitation Forecast (QPF), which shows rainfall totals for a specified time period, based on forecaster discretion. For more rainfall information, visit the [Specialized WPC Precipitation Forecasts](#). For WPC QPFs in KML Format, [Click Here](#).