



NATIONAL HURRICANE CENTER and CENTRAL PACIFIC HURRICANE CENTER

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Tropical Storm Isaias Public Advisory

[Home](#) [Public Adv](#) [Fcst Adv](#) [Discussion](#) [Wind Probs](#) [Graphics](#) [Archive](#)

[U.S. Watch/Warning](#) [Local Products](#)

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WTNT34 KNHC 031452
TCPAT4

BULLETIN
Tropical Storm Isaias Advisory Number 26
NWS National Hurricane Center Miami FL AL092020
1100 AM EDT Mon Aug 03 2020

...ISAIAS FORECAST TO MAKE LANDFALL TONIGHT AS A HURRICANE...
...EXPECTED TO BRING STRONG WINDS AND HEAVY RAINFALL FROM THE
EASTERN CAROLINAS TO THE MID-ATLANTIC COAST TONIGHT AND TUESDAY...

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

LOCATION...30.7N 80.1W
ABOUT 90 MI...145 KM ESE OF BRUNSWICK GEORGIA
ABOUT 220 MI...350 KM SSW OF MYRTLE BEACH SOUTH CAROLINA
MAXIMUM SUSTAINED WINDS...70 MPH...110 KM/H
PRESENT MOVEMENT...N OR 360 DEGREES AT 13 MPH...20 KM/H
MINIMUM CENTRAL PRESSURE...998 MB...29.47 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Storm Surge Warning has been issued for portions of the Pamlico and Albemarle Sounds, including the Neuse and Pamlico Rivers, and for the North Carolina Outer Banks from Oregon Inlet to the North Carolina/Virginia border.

The Tropical Storm Warning has been extended northward to the mouth of the Merrimack River, including Martha's Vineyard, Nantucket, and Block Island.

The Tropical Storm Watch for the remainder of the Chesapeake Bay and the Tidal Potomac River north of Cobb Island has been changed to a Tropical Storm Warning.

The Tropical Storm Watch has been extended northward to Eastport Maine.

The Tropical Storm Warning has been discontinued south of Altamaha Sound.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...
* Edisto Beach South Carolina to Cape Fear North Carolina
* Pamlico and Albemarle Sounds, including the Neuse and Pamlico Rivers
* Oregon Inlet North Carolina to the North Carolina/Virginia border

A Storm Surge Watch is in effect for...
* Cape Fear to Oregon Inlet North Carolina

A Hurricane Warning is in effect for...
* South Santee River South Carolina to Surf City North Carolina

A Tropical Storm Warning is in effect for...
* Altamaha Sound Georgia to South Santee River South Carolina
* North of Surf City North Carolina to the Mouth of the Merrimack River

- * Pamlico and Albemarle Sounds
- * Chesapeake Bay
- * Tidal Potomac River
- * Delaware Bay
- * Long Island and Long Island Sound
- * Martha's Vineyard, Nantucket, and Block Island

A Tropical Storm Watch is in effect for...
 * Mouth of the Merrimack River to Eastport Maine

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

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 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 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.

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area, in this case within 24 hours. Preparations to protect life and property should be rushed to completion.

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, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND OUTLOOK

At 1100 AM EDT (1500 UTC), the center of Tropical Storm Isaias was located by an Air Force Reserve reconnaissance aircraft and NOAA Doppler weather radars near latitude 30.7 North, longitude 80.1 West. Isaias is moving toward the north near 13 mph (20 km/h), and this general motion is expected to continue today. A turn toward the north-northeast along with an increase in forward speed is expected by this late afternoon or early evening, followed by a faster northeastward motion tonight and Tuesday. On the forecast track, the center of Isaias will pass well east of the Georgia coast through this afternoon. The center of Isaias will then approach the coasts of northeastern South Carolina and southern North Carolina within the hurricane warning area this evening. The center will then move inland over eastern North Carolina tonight, and move along the coast of the mid-Atlantic states on Tuesday and into the northeastern United States Tuesday night.

Data from the reconnaissance aircraft and NOAA Doppler weather radars indicate that maximum sustained winds remain near 70 mph (110 km/h) with higher gusts. Some strengthening is forecast this afternoon, and Isaias is expected to regain hurricane strength just before it reaches the coast of northeastern South Carolina or southern North Carolina tonight. Only slow weakening is anticipated after Isaias makes landfall in the Carolinas and moves across the U.S. mid-Atlantic region tonight and Tuesday.

Tropical-storm-force winds extend outward up to 125 miles (205 km) from the center.

The estimated minimum central pressure based on reports from the aircraft is 998 mb (29.47 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.

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...

South Santee River SC to Cape Fear NC...3-5 ft
Edisto Beach SC to South Santee River SC...2-4 ft
Cape Fear NC to the North Carolina/Virginia border including Pamlico Sound, Albemarle Sound, Neuse and Pamlico Rivers...2-4 ft
Altamaha Sound GA to Edisto Beach SC...1-3 ft
North of the North Carolina/Virginia border to Martha's Vineyard including the Chesapeake Bay, the Tidal Potomac River, and Delaware Bay...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: Hurricane conditions are expected within the hurricane warning area in South and North Carolina this evening through tonight, with tropical storm conditions beginning later today.

Widespread tropical-storm-conditions are expected in the tropical storm warning area from coastal North Carolina to the mid-Atlantic states tonight and Tuesday, with wind gusts to hurricane force possible. These winds could cause tree damage and power outages.

Tropical storm conditions are expected to reach southern New England late Tuesday and are possible along the northern New England coast Tuesday night and early Wednesday.

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

Carolinas and the Mid-Atlantic: 3 to 6 inches, isolated maximum totals 8 inches.

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

Heavy rainfall from Isaias will result in flash and urban flooding, some of which may be significant in the eastern Carolinas and the mid-Atlantic, through Tuesday night near the path of Isaias up the East Coast of the United States. Widespread minor to moderate river flooding is possible across portions of the Carolinas and the mid-Atlantic. Additionally, quick-responding rivers in the southern Appalachians and Northeast will be susceptible to minor river flooding.

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 couple of days. 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 over coastal South Carolina beginning this evening, spreading across eastern North Carolina tonight into Tuesday morning. A couple tornadoes will be possible on Tuesday from eastern Virginia northeastward into southern New England.

NEXT ADVISORY

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

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Forecaster Stewart



Tropical Storm Isaias Forecast Advisory

[Home](#) [Public Adv](#) [Fcst Adv](#) [Discussion](#) [Wind Probs](#) [Graphics](#) [Archive](#)

[U.S. Watch/Warning](#) [Local Products](#)

366
WTNT24 KNHC 031451
TCMAT4

TROPICAL STORM ISAIAS FORECAST/ADVISORY NUMBER 26
NWS NATIONAL HURRICANE CENTER MIAMI FL AL092020
1500 UTC MON AUG 03 2020

CHANGES IN WATCHES AND WARNINGS WITH THIS ADVISORY...

A STORM SURGE WARNING HAS BEEN ISSUED FOR PORTIONS OF THE PAMLICO AND ALBEMARLE SOUNDS...INCLUDING THE NEUSE AND PAMLICO RIVERS... AND FOR THE NORTH CAROLINA OUTER BANKS FROM OREGON INLET TO THE NORTH CAROLINA/VIRGINIA BORDER.

THE TROPICAL STORM WARNING HAS BEEN EXTENDED NORTHWARD TO THE MOUTH OF THE MERRIMACK RIVER...INCLUDING MARTHA'S VINEYARD...NANTUCKET... AND BLOCK ISLAND.

THE TROPICAL STORM WATCH FOR THE REMAINDER OF THE CHESAPEAKE BAY AND THE TIDAL POTOMAC RIVER NORTH OF COBB ISLAND HAS BEEN CHANGED TO A TROPICAL STORM WARNING.

THE TROPICAL STORM WATCH HAS BEEN EXTENDED NORTHWARD TO EASTPORT MAINE.

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED SOUTH OF ALTAMAHA SOUND.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A STORM SURGE WARNING IS IN EFFECT FOR...
* EDISTO BEACH SOUTH CAROLINA TO CAPE FEAR NORTH CAROLINA
* PAMLICO AND ALBEMARLE SOUNDS, INCLUDING THE NEUSE AND PAMLICO RIVERS
* OREGON INLET NORTH CAROLINA TO THE NORTH CAROLINA/VIRGINIA BORDER

A STORM SURGE WATCH IS IN EFFECT FOR...
* CAPE FEAR TO OREGON INLET NORTH CAROLINA

A HURRICANE WARNING IS IN EFFECT FOR...
* SOUTH SANTEE RIVER SOUTH CAROLINA TO SURF CITY NORTH CAROLINA

A TROPICAL STORM WARNING IS IN EFFECT FOR...
* ALTAMAHA SOUND GEORGIA TO SOUTH SANTEE RIVER SOUTH CAROLINA
* NORTH OF SURF CITY NORTH CAROLINA TO THE MOUTH OF THE MERRIMACK RIVER
* PAMLICO AND ALBEMARLE SOUNDS
* CHESAPEAKE BAY
* TIDAL POTOMAC RIVER
* DELAWARE BAY
* LONG ISLAND AND LONG ISLAND SOUND
* MARTHA'S VINEYARD...NANTUCKET...AND BLOCK ISLAND

A TROPICAL STORM WATCH IS IN EFFECT FOR...
* MOUTH OF THE MERRIMACK RIVER TO EASTPORT MAINE

INTERESTS ELSEWHERE ALONG THE NORTHEAST COAST OF THE UNITED STATES SHOULD MONITOR THE PROGRESS OF ISAIAS. ADDITIONAL WATCHES OR WARNINGS MAY BE REQUIRED LATER TODAY.

A STORM SURGE WARNING MEANS THERE IS A DANGER OF LIFE-THREATENING INUNDATION...FROM RISING WATER MOVING INLAND FROM THE COASTLINE IN THE INDICATED LOCATIONS. FOR A DEPICTION OF AREAS AT RISK...PLEASE SEE THE NATIONAL WEATHER SERVICE STORM SURGE WATCH/WARNING GRAPHIC

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 STORM SURGE WATCH MEANS THERE IS A POSSIBILITY OF LIFE-THREATENING INUNDATION FROM RISING WATER MOVING INLAND FROM THE COASTLINE IN THE INDICATED LOCATIONS.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN 12 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

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.

TROPICAL STORM CENTER LOCATED NEAR 30.7N 80.1W AT 03/1500Z
POSITION ACCURATE WITHIN 20 NM

PRESENT MOVEMENT TOWARD THE NORTH OR 360 DEGREES AT 11 KT

ESTIMATED MINIMUM CENTRAL PRESSURE 998 MB
MAX SUSTAINED WINDS 60 KT WITH GUSTS TO 75 KT.
50 KT..... 50NE 50SE 05W 20NW.
34 KT.....100NE 110SE 05W 60NW.
12 FT SEAS..150NE 120SE 60SW 90NW.
WINDS AND SEAS VARY GREATLY IN EACH QUADRANT. RADII IN NAUTICAL MILES ARE THE LARGEST RADII EXPECTED ANYWHERE IN THAT QUADRANT.

REPEAT...CENTER LOCATED NEAR 30.7N 80.1W AT 03/1500Z
AT 03/1200Z CENTER WAS LOCATED NEAR 30.2N 80.1W

FORECAST VALID 04/0000Z 33.1N 79.2W
MAX WIND 65 KT...GUSTS 80 KT.
64 KT... 25NE 25SE 05W 0NW.
50 KT... 50NE 50SE 05W 20NW.
34 KT...100NE 120SE 05W 60NW.

FORECAST VALID 04/1200Z 37.2N 77.0W...INLAND
MAX WIND 55 KT...GUSTS 70 KT.
50 KT... 50NE 50SE 05W 20NW.
34 KT...110NE 140SE 05W 60NW.

FORECAST VALID 05/0000Z 42.0N 73.8W...INLAND
MAX WIND 50 KT...GUSTS 65 KT.
50 KT... 0NE 70SE 05W 0NW.
34 KT...120NE 150SE 05W 40NW.

FORECAST VALID 05/1200Z 46.7N 70.2W...INLAND
MAX WIND 35 KT...GUSTS 50 KT.
34 KT... 0NE 170SE 05W 0NW.

FORECAST VALID 06/0000Z 50.2N 67.2W...POST-TROP/EXTRATROP
MAX WIND 30 KT...GUSTS 40 KT.

FORECAST VALID 06/1200Z 53.5N 64.2W...POST-TROP/EXTRATROP
MAX WIND 25 KT...GUSTS 35 KT.

EXTENDED OUTLOOK. NOTE...ERRORS FOR TRACK HAVE AVERAGED NEAR 150 NM ON DAY 4 AND 175 NM ON DAY 5...AND FOR INTENSITY NEAR 15 KT EACH DAY

OUTLOOK VALID 07/1200Z...DISSIPATED

REQUEST FOR 3 HOURLY SHIP REPORTS WITHIN 300 MILES OF 30.7N 80.1W

INTERMEDIATE PUBLIC ADVISORY...WTNT34 KNHC/MIATCPAT4...AT 03/1800Z

NEXT ADVISORY AT 03/2100Z

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FORECASTER STEWART



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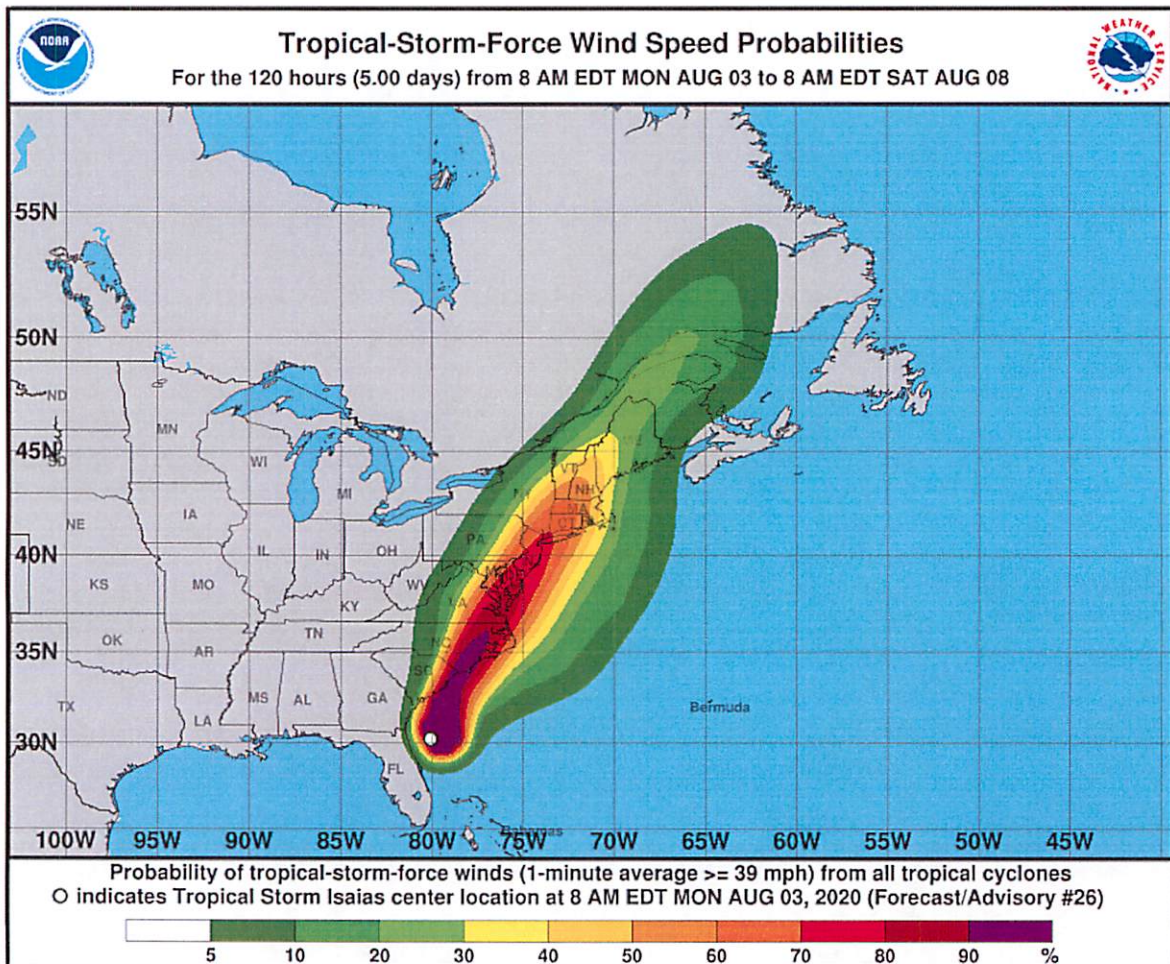
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TROPICAL STORM ISAIAS

[Home](#) [Public Adv](#) [Fcst Adv](#) [Discussion](#) [Wind Probs](#) [Graphics](#) [Archive](#)

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	
<p>Hurricane Wind Speed Probability 0 12 24 36 48 60 72 84 96 108 120 hours Loop</p>		<p>50-knot Wind Speed Probability 0 12 24 36 48 60 72 84 96 108 120 hours Loop</p>		<p>Tropical Storm Wind Speed Probability 0 12 24 36 48 60 72 84 96 108 120 hours Loop</p>		



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

Download 120-h GIS data: [5 km .shp](#) [0.5 degree .shp](#)



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TROPICAL STORM ISAIAS

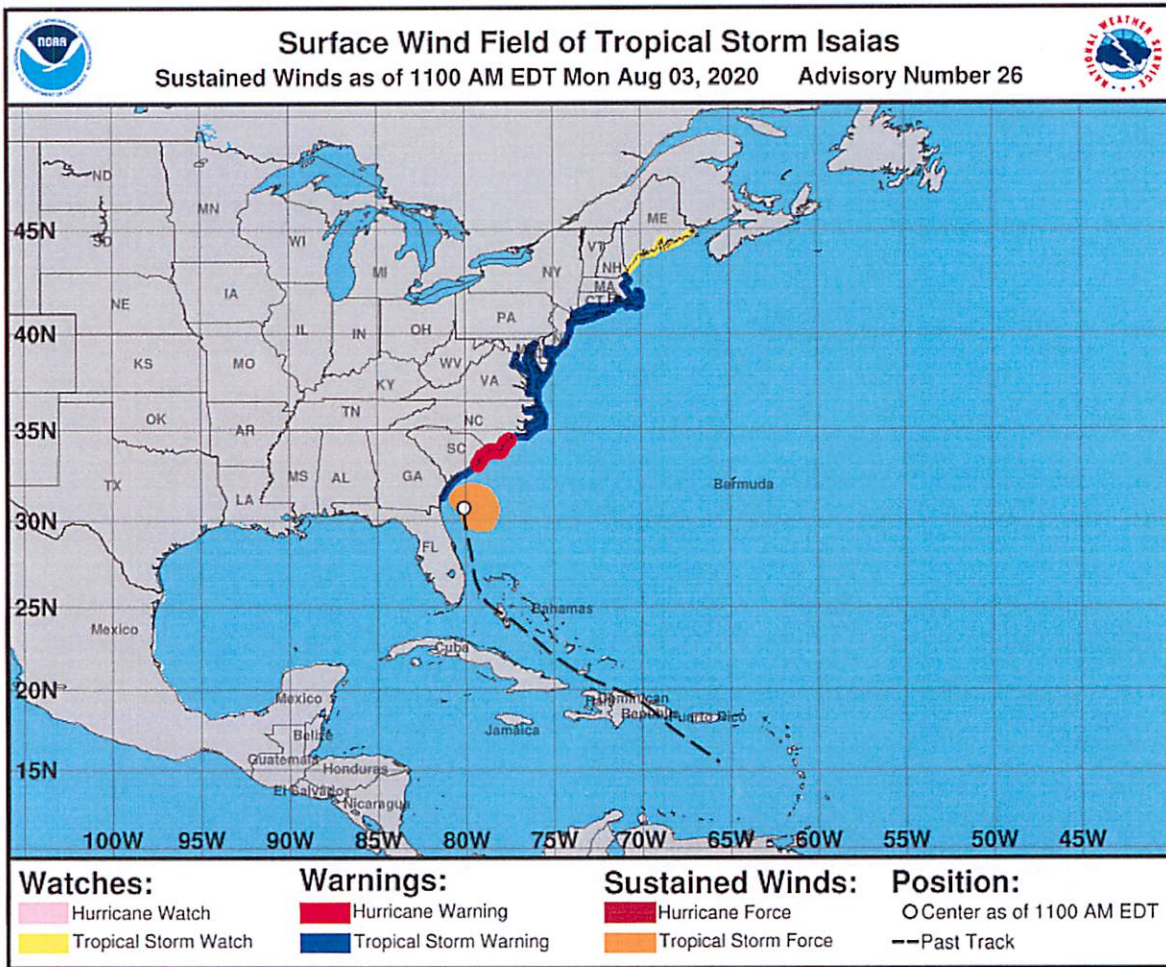
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U.S. Watch/Warning Local Products

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	

Surface Wind Field

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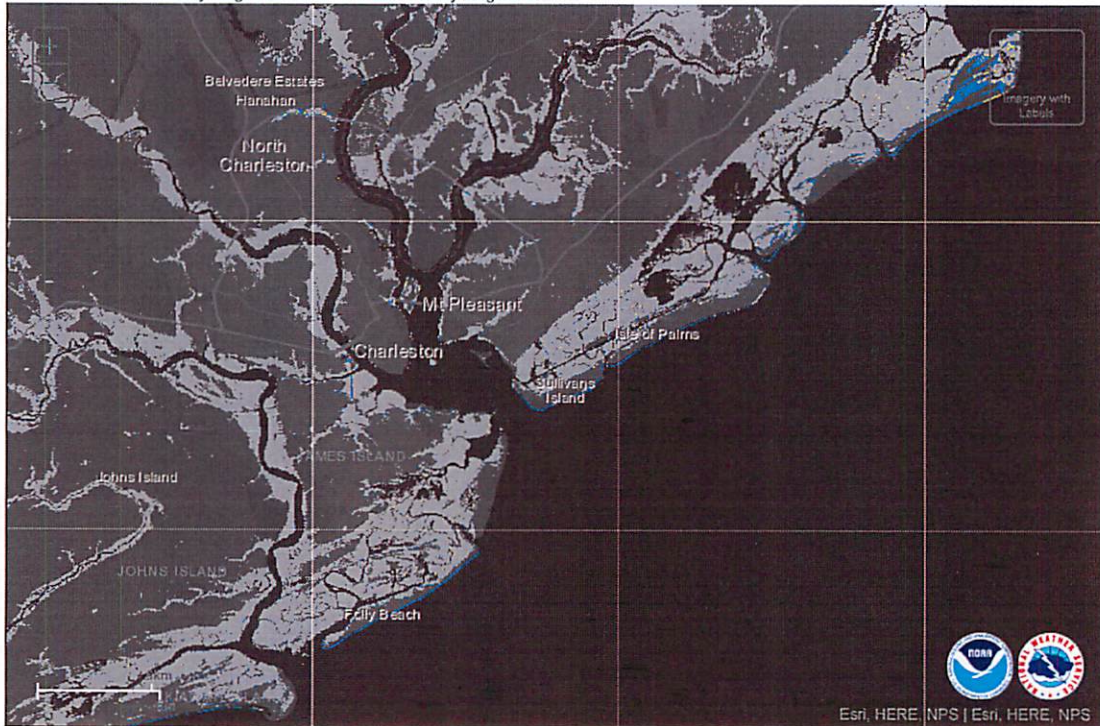
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U.S. Watch/Warning Local Products

Wind Speed Probabilities	Arrival Time of Winds	Wind History	Warnings/Cone Interactive Map	Warnings/Cone Static Images	Warnings and Surface Wind	Key Messages
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Potential Storm Surge Flooding Map (Inundation)

NHC Potential Storm Surge Flooding Map
Tropical Storm ISAIAS (2020) Advisory 26
From 11 AM EDT Monday August 03 to 02 PM EDT Friday August 07



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.



TROPICAL STORM ISAIAS

[Home](#) [Public Adv](#) [Fest Adv](#) [Discussion](#) [Wind Probs](#) [Graphics](#) [Archive](#)

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



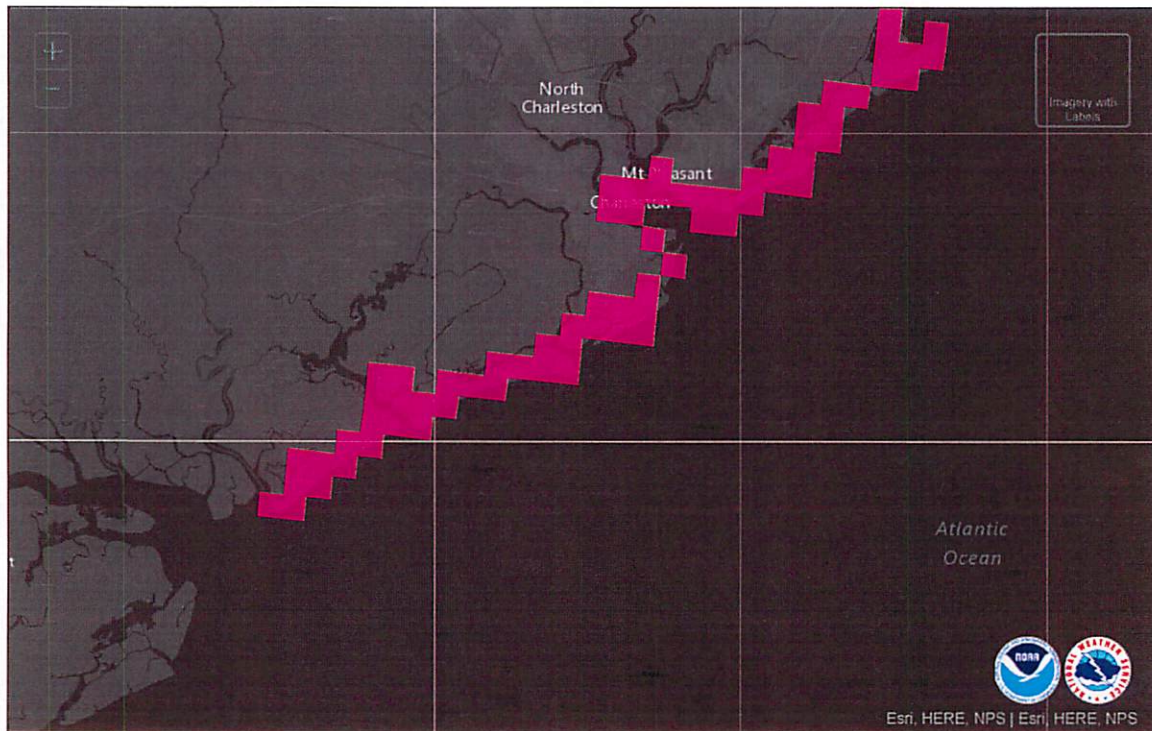
U.S. Rainfall Potential



Flash Flooding Potential

Storm Surge Watch/Warning Graphic*

Tropical Storm Isaias
Advisory 026 Issued: 11:00 AM EDT Mon Aug 3



About this product:

Product Description

For more official NWS tropical cyclone information, see hurricanes.gov. This graphic displays areas that are under a storm surge watch/warning. A storm surge warning indicates there is a danger of life-threatening inundation from rising water moving inland from the shoreline somewhere within the specified area, generally within 36 hours. A storm surge watch indicates that life-threatening inundation is possible somewhere within the specified area, generally within 48 hours. All persons, regardless of whether or not they are in the highlighted areas shown in the graphic, should promptly follow evacuation orders and other instructions from local officials.

This map functions best when viewed in the most up to date versions of the following browsers:
Chrome, Firefox, Safari, Internet Explorer (Version 9 or later).



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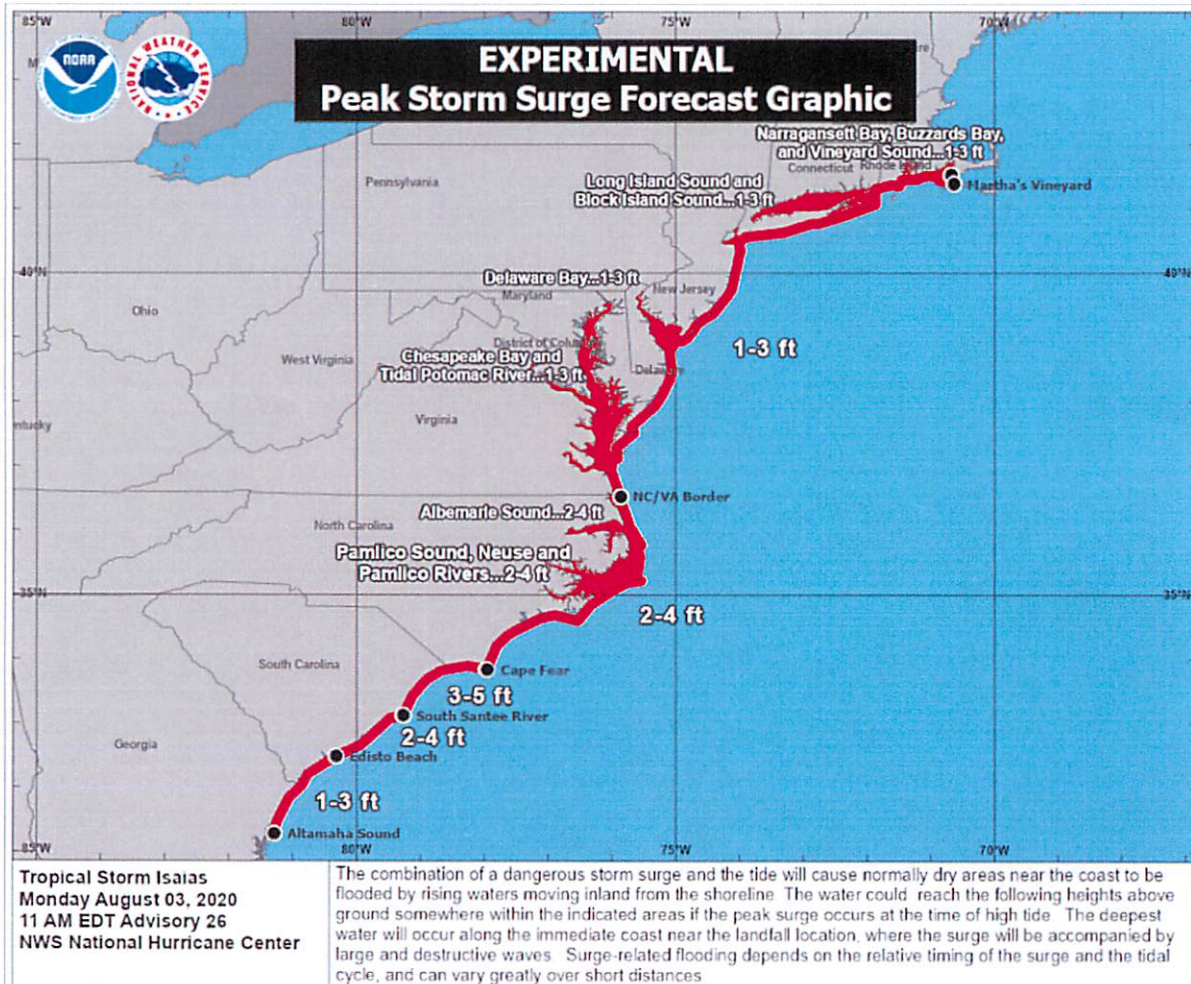
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[Home](#) [Public Adv](#) [Fcst Adv](#) [Discussion](#) [Wind Probs](#) [Graphics](#) [Archive](#)

[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	

Experimental Peak Storm Surge Forecast



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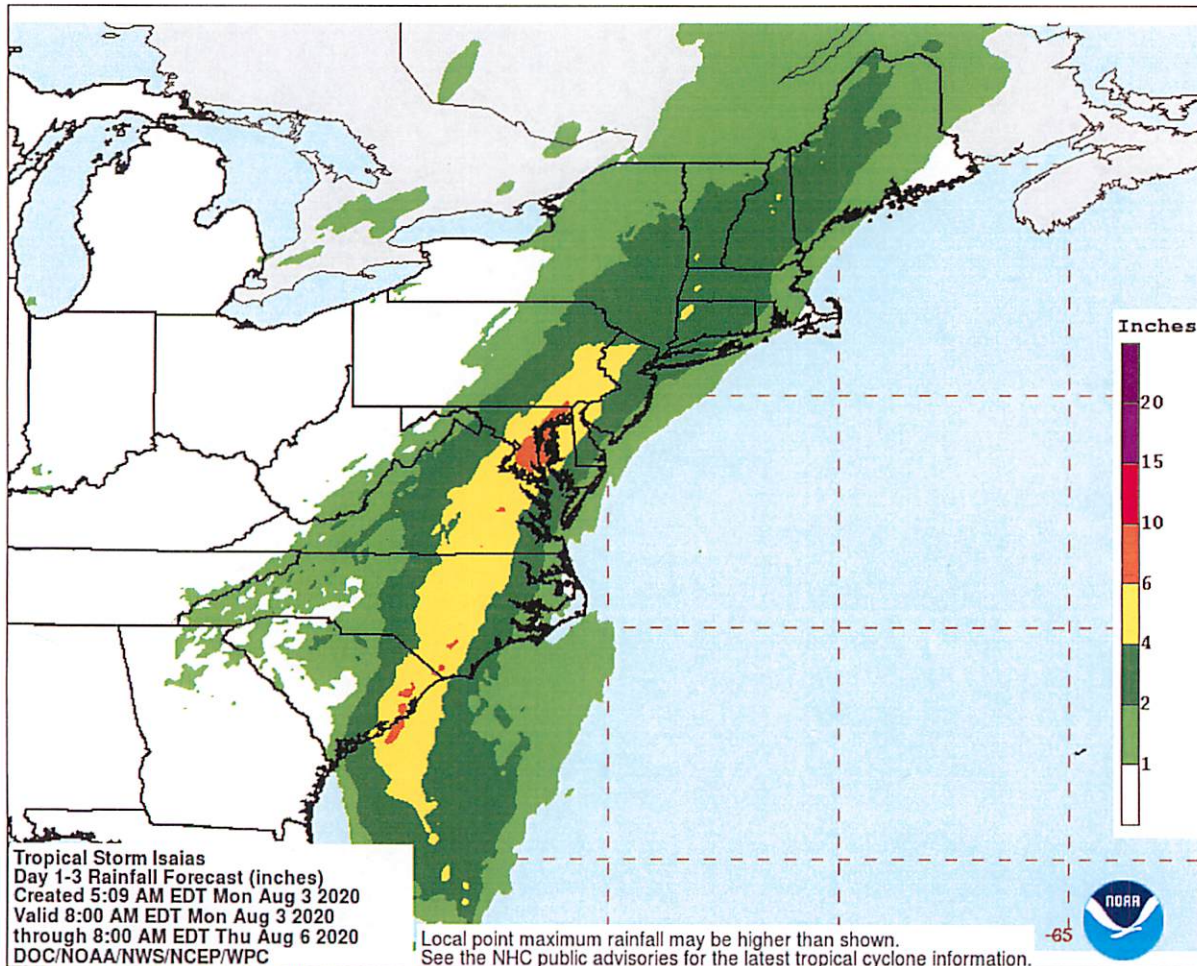
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[Home](#) [Public Adv](#) [Fcst Adv](#) [Discussion](#) [Wind Probs](#) [Graphics](#) [Archive](#)

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	

U.S. Rainfall QPF (from WPC)



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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](#).