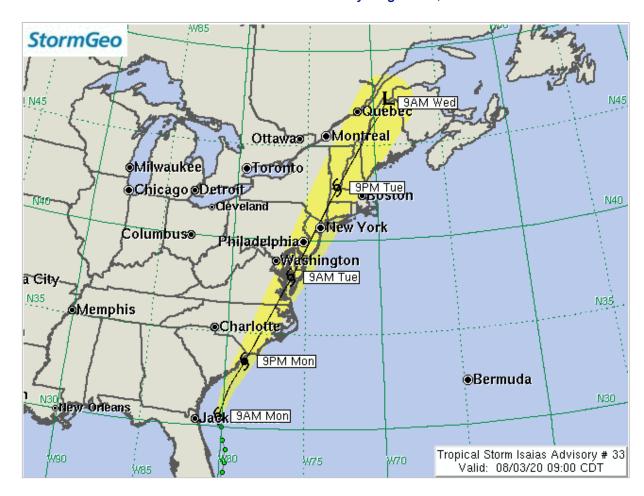
From: StormGeo
To: Lindsey Falconer

Subject: Tropical Storm Isaias Advisory 33 **Date:** Monday, August 3, 2020 8:14:25 AM



Tropical Storm Isaias Advisory 33

Valid: 09:00 AM CDT Monday August 03, 2020



Current Location: 30.5N, 80.2W

Geographic Reference: 75 Miles East of Jacksonville, FL

Movement: North-northeast at 18 mph **Max Winds:** 60 mph gusting to 80 mph

Current Hurricane Severity Index: 5 out of a possible 50 points (2 size, 3 intensity)

Max Predicted Hurricane Severity Index: 8 out of a possible 50 points (3 size, 5

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Current Radius of Tropical Storm-Force Winds: 115 miles

Max Predicted Radius of Tropical Storm-Force Winds: 150 miles

Organizational Trend: Weakening

Forecast Confidence: Average Estimated Central Pressure: 995 mb

Key Points

- 1. Isaias has weakened considerably over the past 6 hours.
- 2. it is becoming questionable whether Isaias will reach hurricane strength prior to landfall tonight.
- 3. Strong winds and heavy rains are expected for the entire Mid Atlantic and New England Coast.

Our Forecast

A reconnaissance plane investigating Isaias has found that the storm weakened considerably over the past few hours. The plane found that max sustained winds are down to about 55 mph to 60 mph, mainly in squalls northeast of the center. The plane did not find any tropical storm-force winds southwest or west of the center. In addition, the wind field has decreased in size overnight. Given its ragged appearance on satellite, it is questionable whether Isaias can strengthen to a hurricane in the 12 hours prior to landfall near the South Carolina/North Carolina border late this evening. However, wind shear is now decreasing, and Isaias will have its best opportunity to strengthen today.

We have lowered the predicted winds at landfall tonight to 75 mph. Such winds would only be located over a small area northeast of the center. Once inland, Isaias will steadily weaken as it accelerates up the East U.S. Coast tomorrow. By Wednesday morning, it will have become a relatively weak extratropical storm system over Maine.

Expected Impacts on Land

Northeast Florida Peninsula: No significant impacts

Carolinas: Widespread power outages as well as minor to moderate wind and tidal surge damage is expected near and a little to the east of where landfall occurs. Inland flooding is also expected.

Mid Atlantic: Power outages, likely widespread along the coast, are likely along with coastal flooding. Minor wind damage is also likely. There is an increasing risk of inland flash flooding as well.

Long Island and Southern New England: Power outages are likely for entire area. Minor coastal flooding is also possible.

Eastern Canada: Power outages are likely on Wednesday.

An intermediate advisory will be issued by 1 PM EDT. The next full advisory will be issued by 4 PM EDT.

Meteorologist: Chris Hebert

	F	Hurricane Severity Index							
Fcst	Valid	Lat.	Lon.	Max Sustained	Max	Category	Size	Intensity	Total

Hour				Winds	Gusts				
0	9AM CDT Mon Aug 03	30.50N	80.20W	60 mph	80 mph	Tropical Storm	2	3	5
6	3PM CDT Mon Aug 03	32.00N	79.70W	65 mph	80 mph	Tropical Storm	2	3	5
12	9PM CDT Mon Aug 03	33.50N	78.80W	75 mph	90 mph	Category 1	3	5	8
24	9AM CDT Tue Aug 04	38.00N	76.00W	60 mph	75 mph	Tropical Storm	2	3	5
36	9PM CDT Tue Aug 04	42.80N	72.80W	40 mph	50 mph	Tropical Storm	1	1	2
48	9AM CDT Wed Aug 05	47.20N	69.00W	40 mph	50 mph	Extratropical Storm	1	1	2

The yellow cone represents track error from the previous five years. Over the past five tropical cyclone seasons, the center of the storm tracked within the yellow cone 75% of the time. The cone does not represent the forecast uncertainty in the current advisory for this storm. In addition, strong winds, very high tides, large waves, and heavy rainfall can often extend well outside the yellow cone.

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