Current Watches and Warnings

A **Hurricane Warning** is in effect for the northwestern Bahamas including Andros Island, New Providence, Eleuthera, Abacos Islands, Berry Islands, Grand Bahamas Island, and Bimini; southeastern Bahamas including the Acklins, Crooked Island, Long Cay, the Inaguas, Mayaguana, and the Ragged Islands; Central Bahamas, including Cat Island, the Exumas, Long Island, Rum Cay, and San Salvador

A **Hurricane Watch** is in effect from north of Deerfield Beach to the Volusia-Brevard County Line, Florida

A **Tropical Storm Warning** is in effect for the Turks and Caicos Islands; north of Ocean Reef northward to Sebastian Inlet; Lake Okeechobee

Current Details from the National Hurricane Center (NHC)

COORDINATES: 21.7° north, 74.5° west
LOCATION: 365 miles (585 kilometers) south-southeast of Great Abaco Island (Bahamas)
MOVEMENT: northwest at 16 mph (26 kph)
WINDS: 75 mph (120 kph) with gusts to 90 mph (150 kph)
RADIUS OF TROPICAL STORM-FORCE WINDS: 205 miles (335 kilometers)
RADIUS OF HURRICANE-FORCE WINDS: 35 miles (55 kilometers)
MINIMUM CENTRAL PRESSURE: 992 millibars
SAFFIR-SIMPSON SCALE RANKING*: Category 1

24-HOUR LANDFALL POTENTIAL: HIGH (Bahamas)

Latest Satellite Picture

Source: NOAA; NASA; Colorado State University (RAAMB)

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Discussion

Hurricane Isaías, located approximately 365 miles (585 kilometers) south-southeast of Great Abaco Island (Bahamas), is currently tracking northwest at 16 mph (26 kph). After a brief hiatus of new thunderstorm activity earlier today, there has since been a burst of new convection near the previously exposed low-level center of circulation. Dry air downsloping off Hispaniola had previously wrapped into the center that partially eroded the inner-core convection. However, an influx of moisture from the southwest moving through the Windward Passage appears to be fueling the recent increase in thunderstorm activity. The upper-level outflow has improved in the western semicircle but still remains restricted due to some southwesterly vertical wind shear. The NHC has slightly lowered the initial intensity to 75 mph (120 kph) based on most recent aircraft data, and the minimum central pressure has risen to 992 millibars. Isaías remains a Category 1 hurricane.

Isaías is continuing on a steady northwestward motion, and this is expected to continue for the next 36 hours as the hurricane rounds the southwestern periphery of the Bermuda High. A gradual turn to the north-northwest and north is expected in the next two days or so as a break in a ridge of high pressure currently in the Central U.S. will occur as a trough digs into the Southeast. The timing and strength of this trough will determine how far west Isaías moves before the hurricane turns northward. One cluster of computer models (including the U.S. GFS) has shifted westward closer to the Florida coast, which is similar to the westward shift seen in the most recent European (ECMWF) model run. By 72 hours, the hurricane is forecast to begin accelerating northeastward, possibly passing over eastern North Carolina by Day 4 and across eastern New England on Day 5. Because of the westward shift in the latest model guidance, the new NHC forecast track has also been shifted farther west closer to the southeastern U.S. coast, and lies a little to the west of the model consensus. The westward shift in the track forecast has required the NHC issuance of a Hurricane Watch for portions of the Florida east coast.

Although some slight weakening has occurred, radar data from the aircraft and the Bahamas radar indicate about a partial eyewall has formed in the northeastern semicircle, which is an indication that the cyclone is trying to reorganize. As a result, strengthening is still expected during the next day or so, especially tonight and Saturday morning during the convective maximum period when the hurricane will be moving over the Gulf Stream where sea surface temperatures remain very warm and vertical wind shear is reasonably low. Increasing southwesterly shear could cause a gradual decrease in intensity over the weekend. The new official NHC intensity forecast is similar to the previous advisory, and is a little above the available model guidance.

<u>Key Messages from the National Hurricane Center</u>

1. Isaías will produce heavy rains and potentially life-threatening flash flooding and mudslides across the Dominican Republic, northern Haiti, Turks and Caicos, and the Bahamas. Heavy rains associated with Isaías may begin to affect south and east-central Florida late Friday night, and the eastern Carolinas by early next week, potentially resulting in isolated flash and urban flooding, especially in low-lying and poorly drained areas. Isolated minor river flooding is possible in the Carolinas early next week.

2. Hurricane conditions and dangerous storm surge are expected in portions of the Bahamas today and Saturday, and Hurricane Warnings are in effect. Preparations to protect life and property should be rushed to completion.

3. Tropical storm conditions are expected with hurricane conditions possible along portions of the Florida east coast beginning Saturday, and a Tropical Storm Warning and Hurricane Watch are in effect. Storm surge watches or warnings could be needed for part of this area this afternoon.

4. There is a risk of impacts from winds, heavy rainfall, and storm surge beginning late this weekend along the northeastern Florida coast and spreading northward along the remainder of the U.S. east coast through early next week. Interests along the entire U.S. east coast should monitor the progress of Isaías and updates to the forecast.

Additional Information

STORM SURGE: A dangerous storm surge will raise water levels by as much as 3 to 5 feet above normal tide levels in areas of onshore winds in the Bahamas.

WIND: Tropical storm conditions will continue across portions of the Turks and Caicos this morning. Hurricane conditions in the southeastern Bahamas will spread northwestward into the central and northwestern Bahamas tonight and into Saturday.

Tropical storm conditions are expected in the warning area in Florida beginning Saturday. Hurricane conditions are possible in the Hurricane Watch area beginning Saturday night and continuing into Sunday.

RAINFALL: Isaías is expected to produce the following rain accumulations:

Dominican Republic and northern Haiti: 4 to 8 inches, with isolated maximum totals of 12 inches
Bahamas, Turks and Caicos: 4 to 8 inches
Cuba: 1 to 2 inches, with isolated maximum totals of 4 inches

These rainfall amounts will lead to life-threatening flash flooding and mudslides, as well as river flooding. Urban and small stream flooding is expected for the U.S. Virgin Islands and Hispaniola.

From Friday night through Monday:

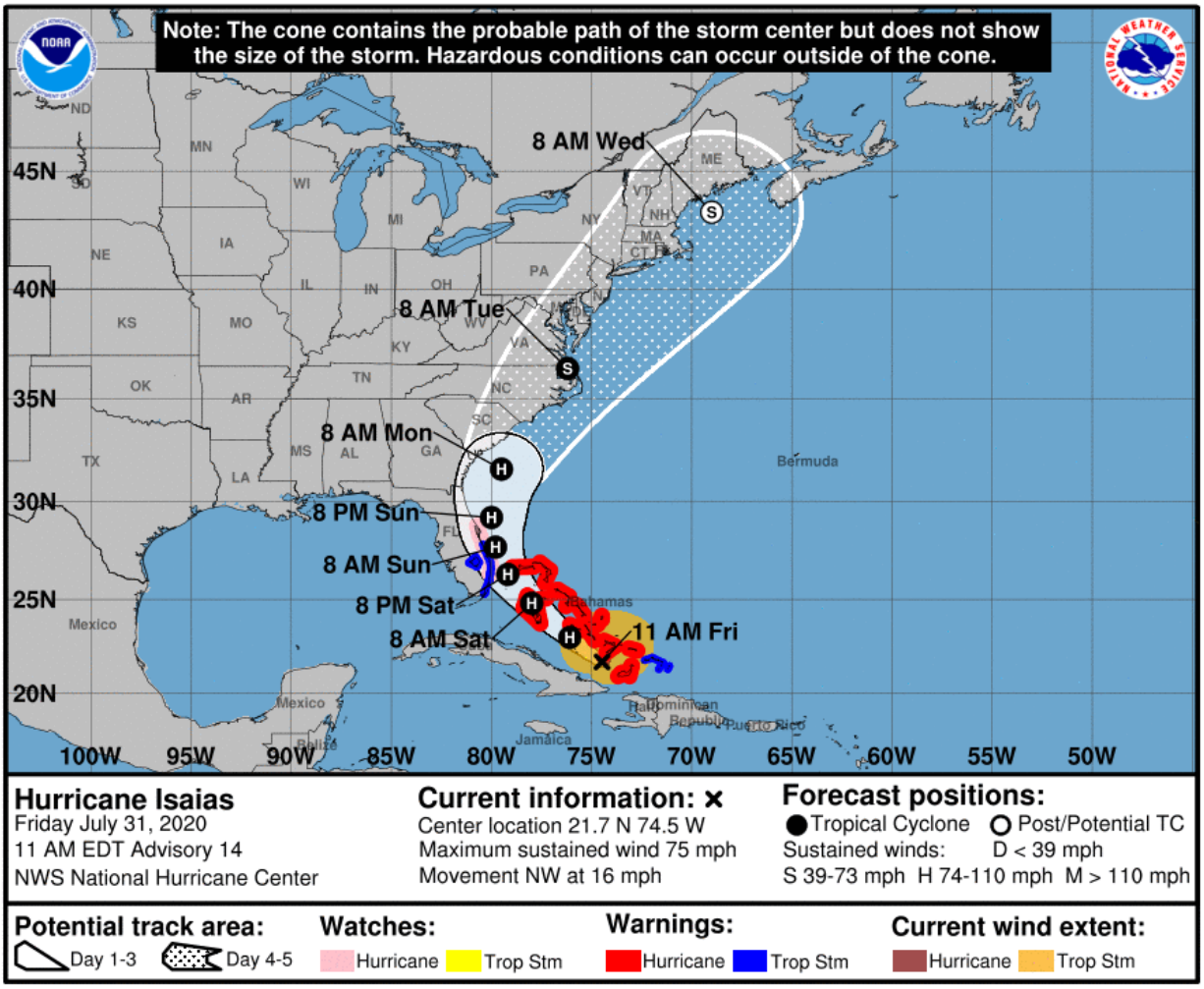
South Florida into east-Central Florida: 2 to 4 inches, with isolated maximum totals of 6 inches

These rainfall amounts could result in isolated flash and urban flooding, especially in low-lying and poorly drained areas.

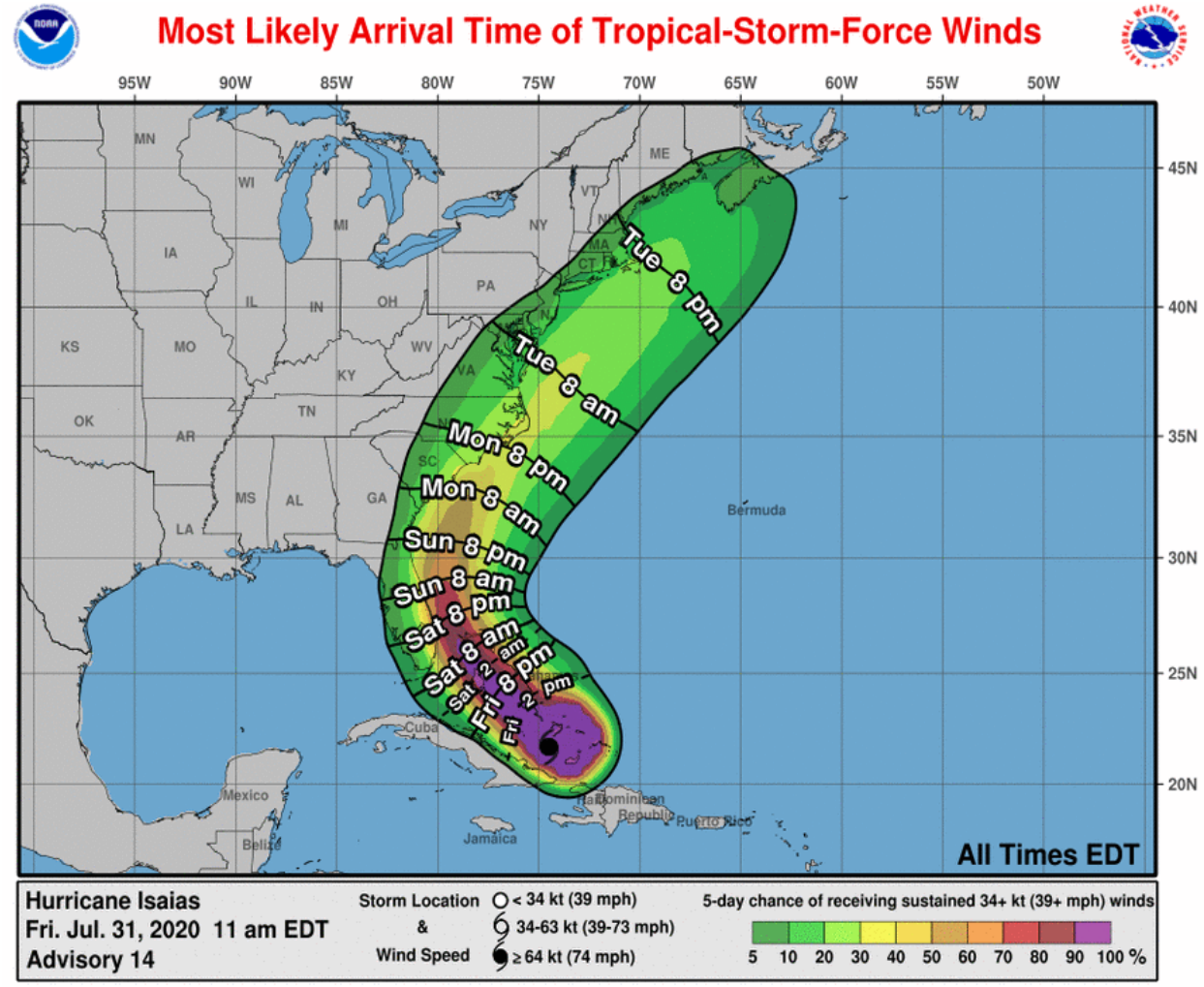
Heavy rains associated with Isaías may begin to affect the eastern Carolinas by early next week. This rain could result in isolated flash and urban flooding, especially in low-lying and poorly drained areas, as well as isolated minor river flooding.

SURF: Swells generated by Isaías are affecting portions of Hispaniola, eastern Cuba, the Turks and Caicos, and the southeastern and central Bahamas. These swells will spread into the central and northwestern Bahamas later today and along the east coast of Florida on Saturday. These swells are likely to cause life-threatening surf and rip current conditions.

National Hurricane Center (NHC) Forecast

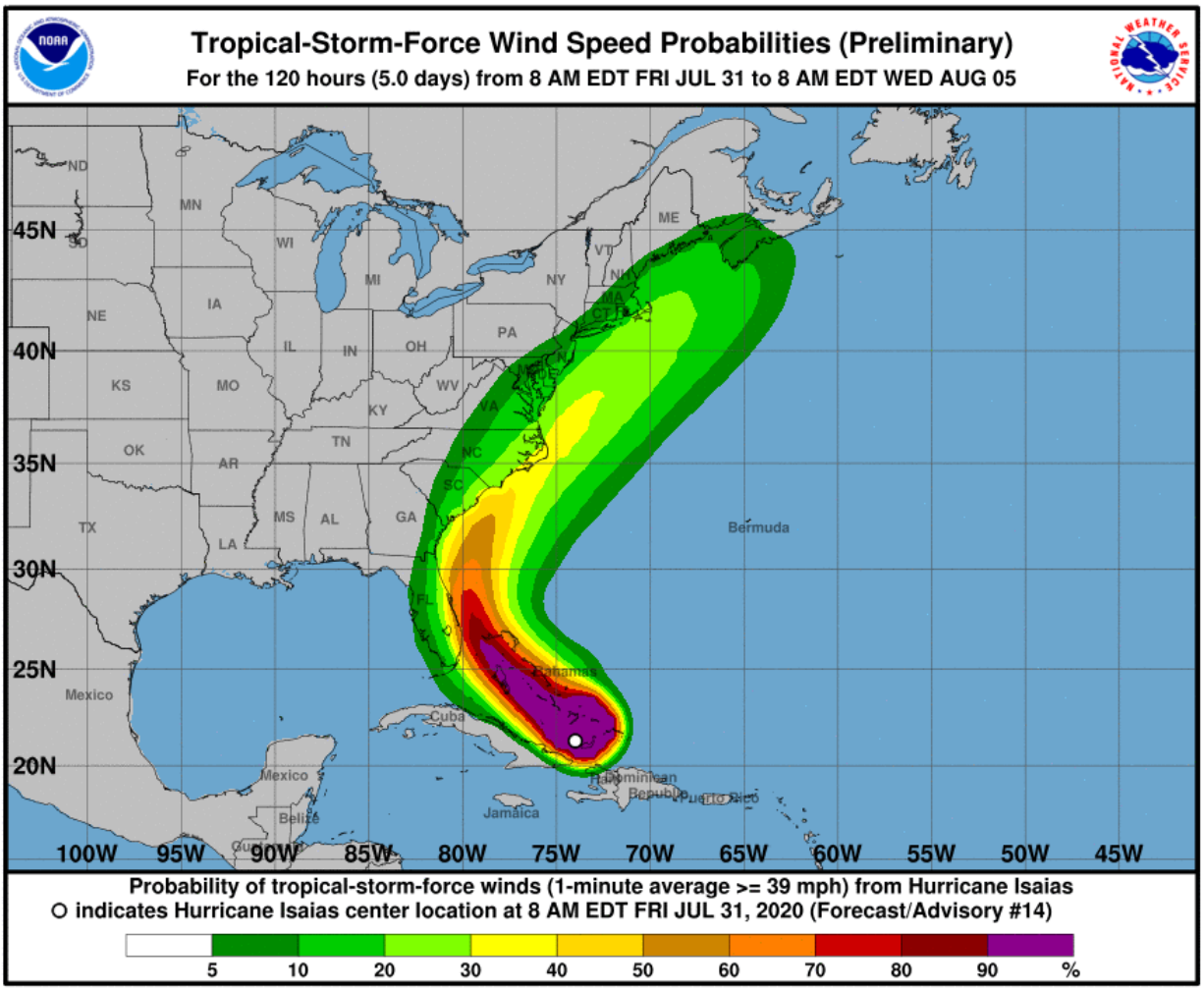


Most Likely Arrival Time of Tropical Storm-Force Winds

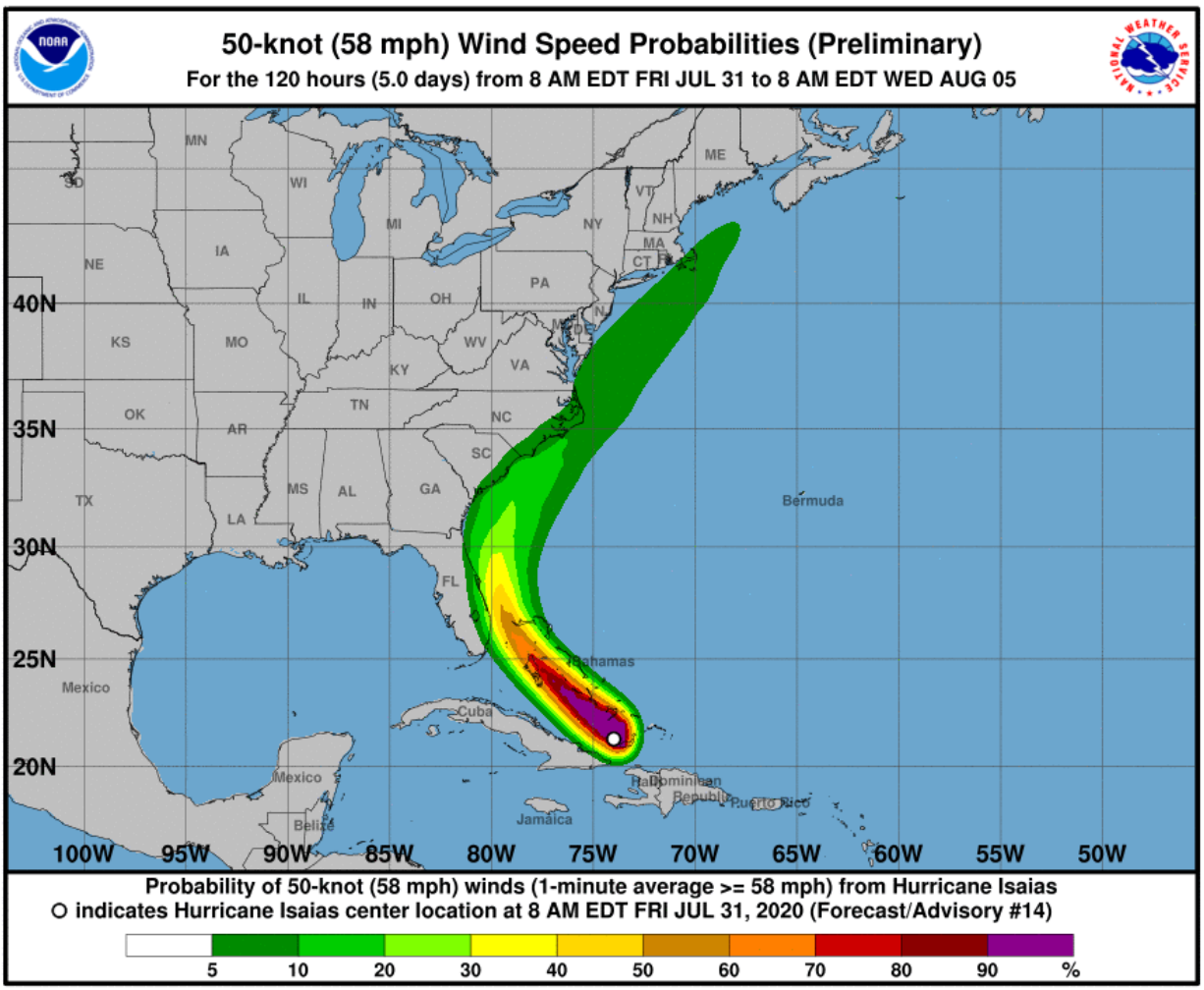


National Hurricane Center: Wind Speed Probabilities

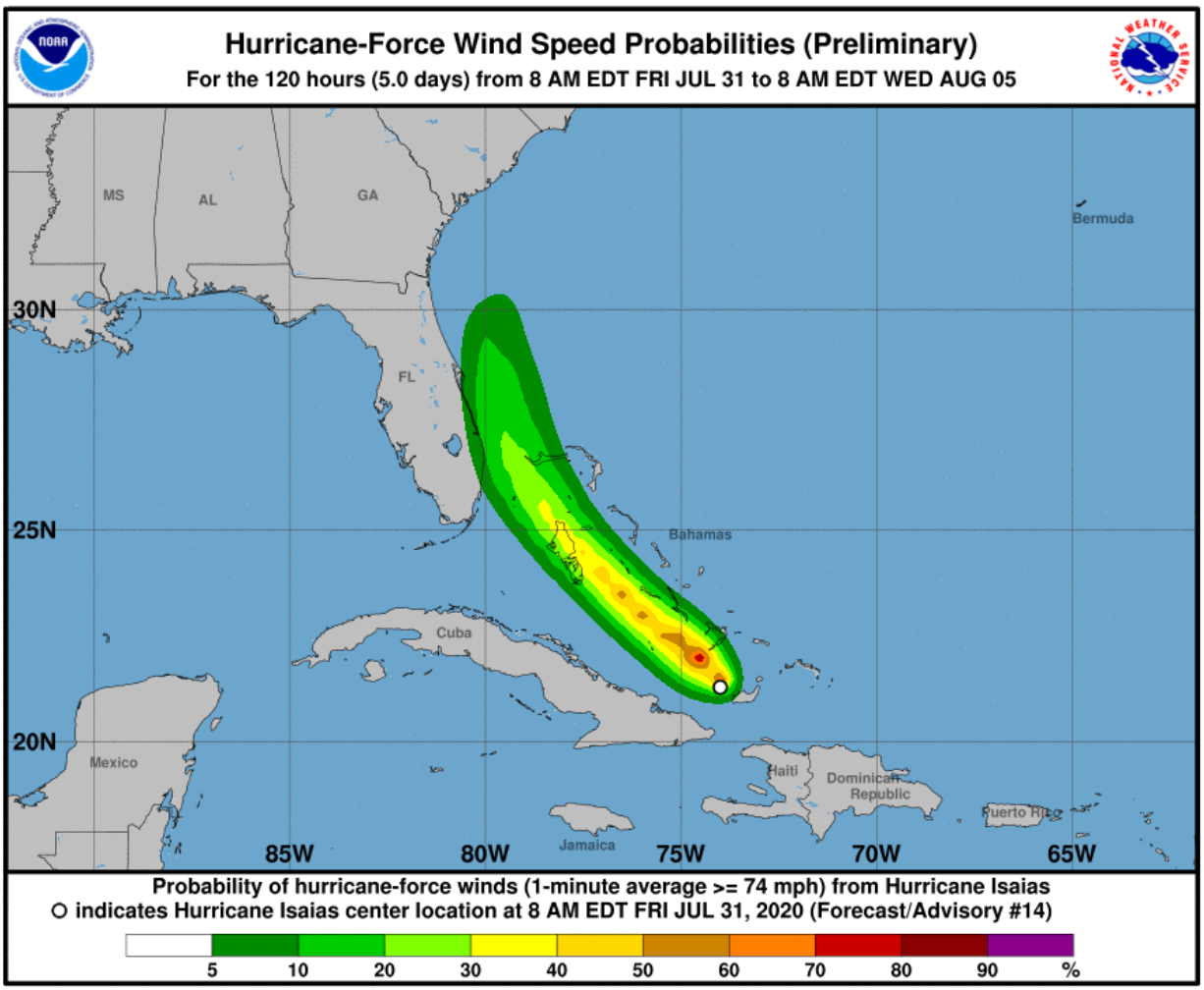
Tropical Storm-Force Wind Probabilities (≥40 mph (65 kph))



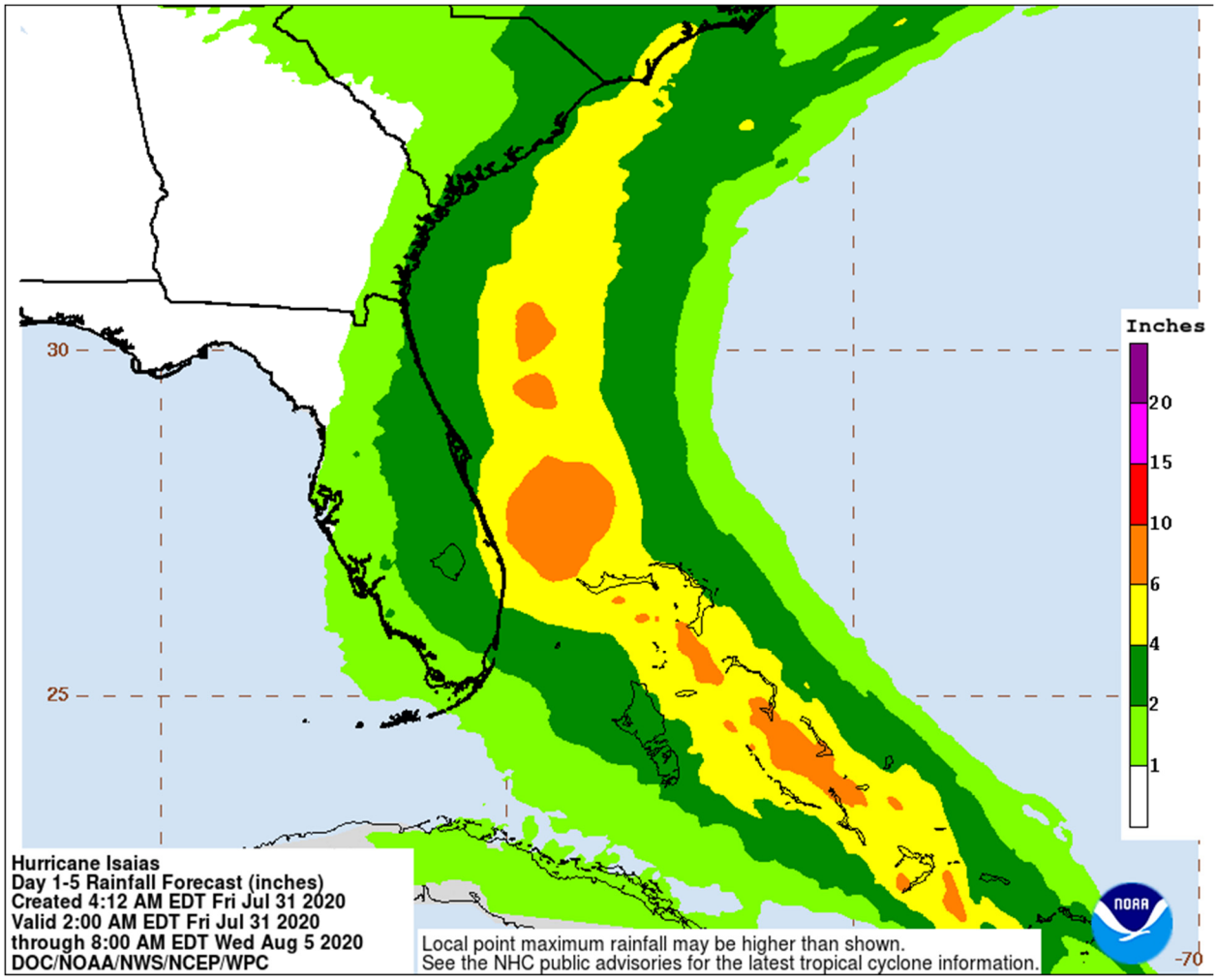
Wind Probabilities (≥60 mph (95 kph))



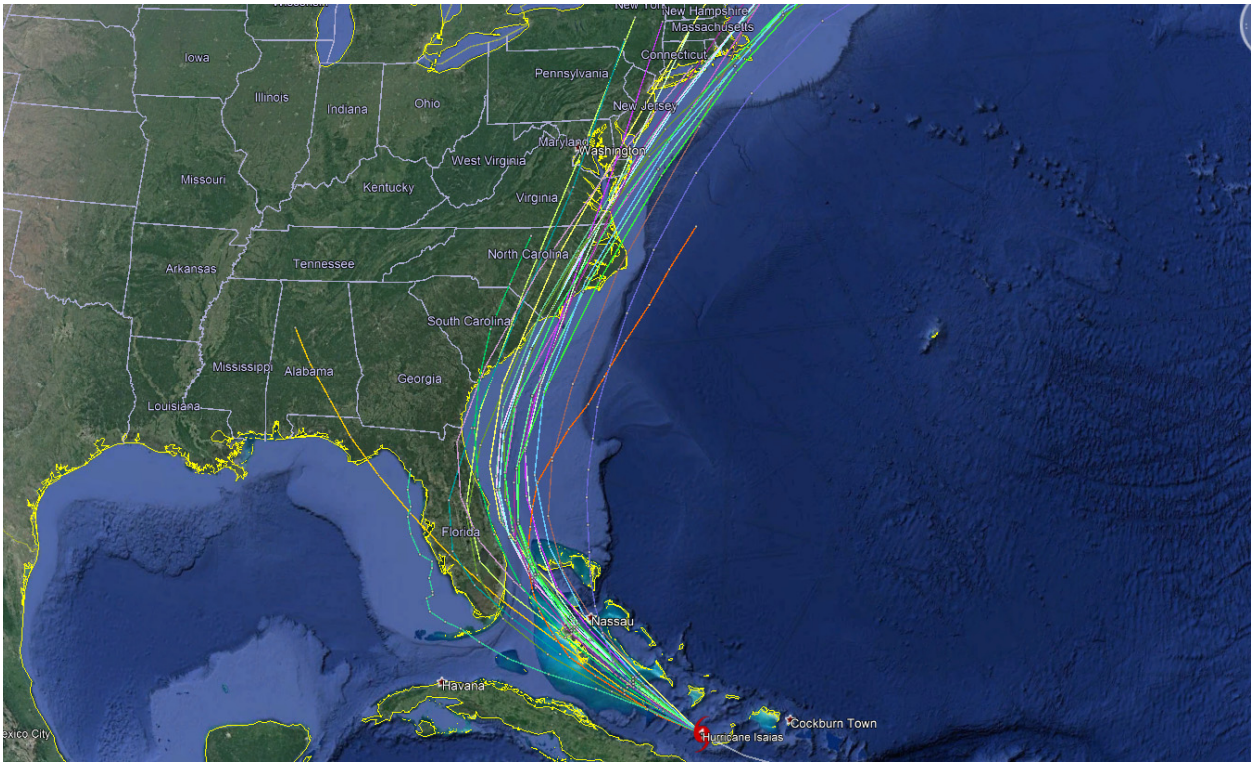
Hurricane-Force Wind Probabilities (≥75 mph (120 kph))



Weather Prediction Center: Rainfall Forecast



Current ‘Spaghetti’ Model Output Data



Source: NHC

Additional Information and Update Schedule

Wind intensity forecasts and forecast track information can be found via the National Hurricane Center at www.nhc.noaa.gov

NEXT CAT ALERT: Saturday morning after 10:00 AM Central Time (15:00 UTC).

*Tropical Cyclone Intensity Classifications for Global Basins

<table>
<tr><th colspan="3">WIND SPEED</th><th colspan="7">BASINS AND MONITORING BUREAU</th></tr>
<tr><th rowspan="2">KTS[1]</th><th rowspan="2">MPH[1]</th><th rowspan="2">KPH[1]</th><th>NE Pacific, Atlantic</th><th>NW Pacific</th><th>NW Pacific</th><th>SW Pacific</th><th>Australia</th><th>SW Indian</th><th>North Indian</th></tr>
<tr><th>National Hurricane Center (NHC)</th><th>Joint Typhoon Warning Center (JTWC)</th><th>Japan Meteorological Agency (JMA)</th><th>Fiji Meteorological Service (FMS)</th><th>Bureau Of Meteorology (BOM)</th><th>Meteo-France (MF)</th><th>India Meteorological Department (IMD)</th></tr>
<tr><td>30</td><td>35</td><td>55</td><td>Tropical Depression</td><td>Tropical Depression</td><td>Tropical Depression</td><td>Tropical Depression</td><td>Tropical Low</td><td>Tropical Depression</td><td>Deep Depression</td></tr>
<tr><td>35</td><td>40</td><td>65</td><td rowspan="6">Tropical Storm</td><td rowspan="6">Tropical Storm</td><td rowspan="3">Tropical Storm</td><td rowspan="3">Cat. 1 Tropical Cyclone</td><td rowspan="3">Cat. 1 Tropical Cyclone</td><td rowspan="3">Moderate Tropical Storm</td><td rowspan="3">Cyclonic Storm</td></tr>
<tr><td>40</td><td>45</td><td>75</td></tr>
<tr><td>45</td><td>50</td><td>85</td></tr>
<tr><td>50</td><td>60</td><td>95</td><td rowspan="3">Severe Tropical Storm</td><td rowspan="3">Cat. 2 Tropical Cyclone</td><td rowspan="3">Cat. 2 Tropical Cyclone</td><td rowspan="3">Severe Tropical Storm</td><td rowspan="3">Severe Cyclonic Storm</td></tr>
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<tr><td>60</td><td>70</td><td>110</td></tr>
<tr><td>65</td><td>75</td><td>120</td><td rowspan="3">Cat. 1 Hurricane</td><td rowspan="11">Typhoon</td><td rowspan="14">Typhoon</td><td rowspan="3">Cat. 3 Severe Tropical Cyclone</td><td rowspan="3">Cat. 3 Severe Tropical Cyclone</td><td rowspan="3">Tropical Cyclone</td><td rowspan="11">Very Severe Cyclonic Storm</td></tr>
<tr><td>70</td><td>80</td><td>130</td></tr>
<tr><td>75</td><td>85</td><td>140</td></tr>
<tr><td>80</td><td>90</td><td>150</td><td rowspan="3">Cat. 2 Hurricane</td><td rowspan="3">Cat. 4 Severe Tropical Cyclone</td><td rowspan="3">Cat. 4 Severe Tropical Cyclone</td><td rowspan="5">Intense Tropical Cyclone</td></tr>
<tr><td>85</td><td>100</td><td>160</td></tr>
<tr><td>90</td><td>105</td><td>170</td></tr>
<tr><td>95</td><td>110</td><td>175</td><td rowspan="3">Cat. 3 Major Hurricane</td></tr>
<tr><td>100</td><td>115</td><td>185</td></tr>
<tr><td>105</td><td>120</td><td>195</td><td rowspan="5">Cat. 5 Severe Tropical Cyclone</td><td rowspan="5">Cat. 5 Severe Tropical Cyclone</td></tr>
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<tr><td>115</td><td>130</td><td>210</td></tr>
<tr><td>120</td><td>140</td><td>220</td><td rowspan="3">Cat. 4 Major Hurricane</td><td rowspan="5">Very Intense Tropical Cyclone</td><td rowspan="5">Super Cyclonic Storm</td></tr>
<tr><td>125</td><td>145</td><td>230</td></tr>
<tr><td>130</td><td>150</td><td>240</td><td rowspan="4">Super Typhoon</td></tr>
<tr><td>135</td><td>155</td><td>250</td></tr>
<tr><td>140</td><td>160</td><td>260</td><td rowspan="2">Cat. 5 Major Hurricane</td></tr>
<tr><td>>140</td><td>>160</td><td>>260</td></tr>
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About Aon

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