



TROPICAL UPDATE



5:00 PM EDT

Sunday, August 2, 2020

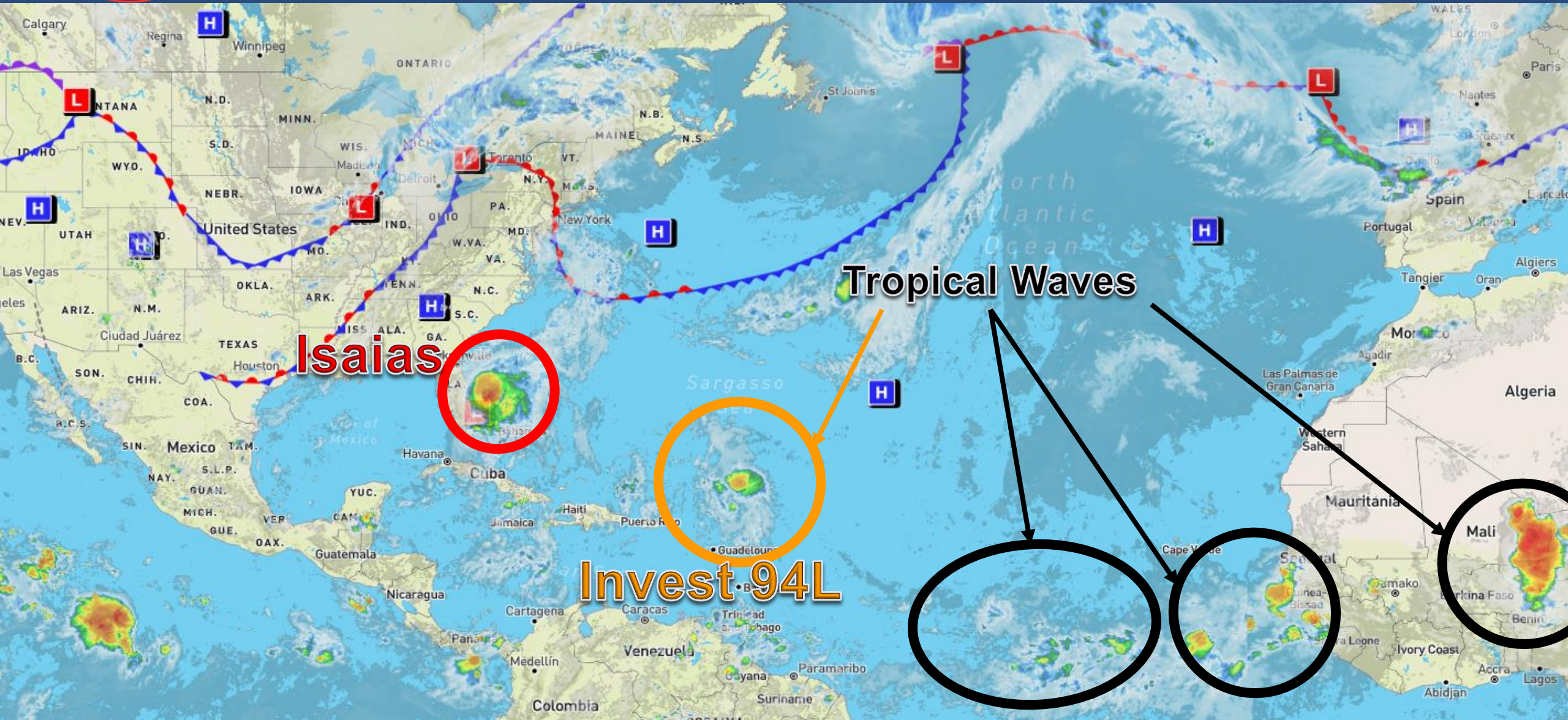
Tropical Storm Isaias &
Invest 94L (60%)

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office, or visit the National Hurricane Center website at www.hurricanes.gov.



Atlantic Basin Satellite Image

Chance of development: — None — Low — Medium — High





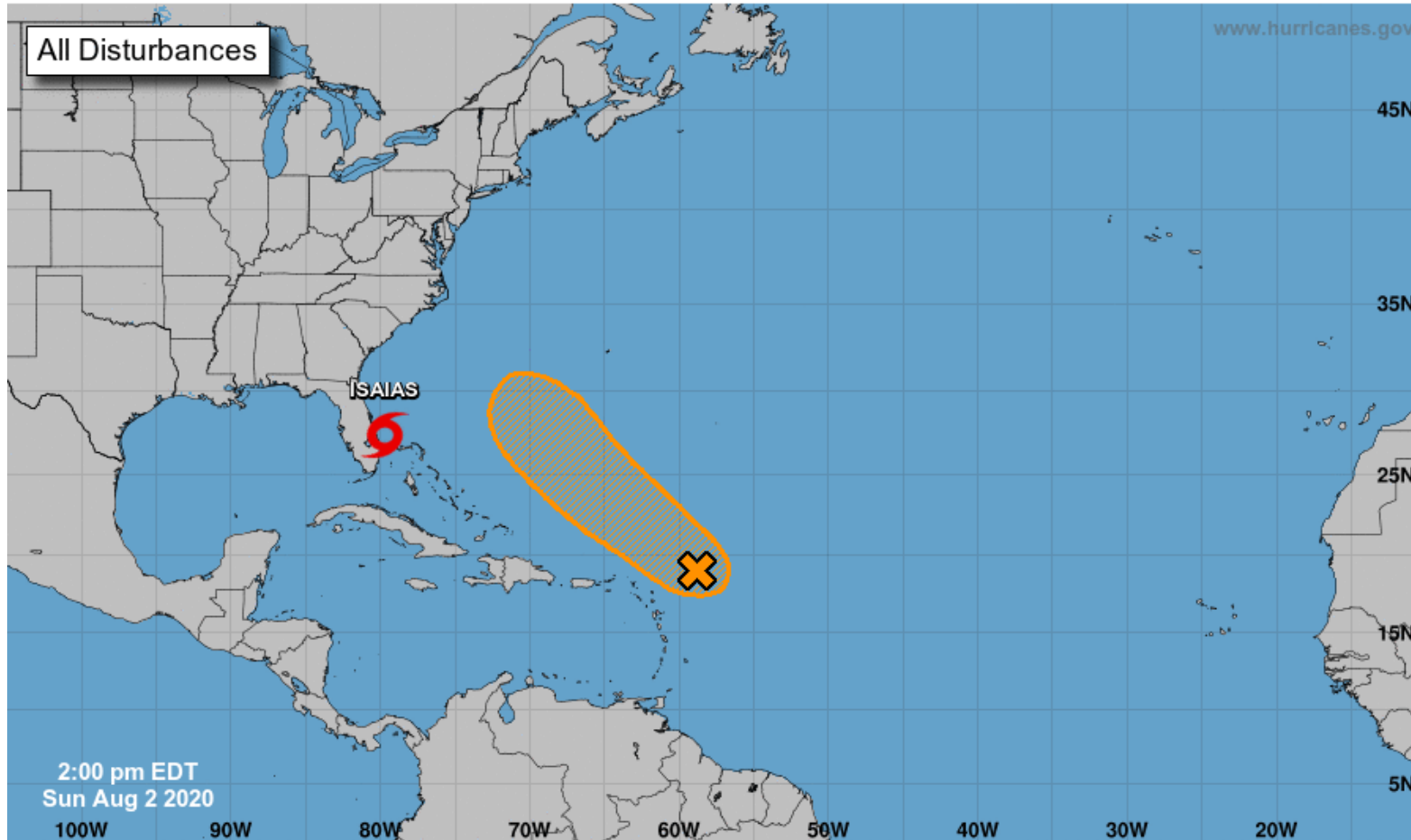
Tropical Weather Outlook

Possible Areas of Development During the Next 5 Days ([LINK](#))



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Showers and thunderstorms associated with a tropical wave located a couple hundred miles east of the Leeward Islands are slowly becoming better organized. Environmental conditions are forecast to be conducive for additional development during the next few days, and a tropical depression could form by the middle of the week. This system is forecast to move northwestward over the western Atlantic early this week, passing north of the Leeward Islands.

* Formation chance through 48 hours...medium...40 percent.

* Formation chance through 5 days...medium...60 percent.

Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

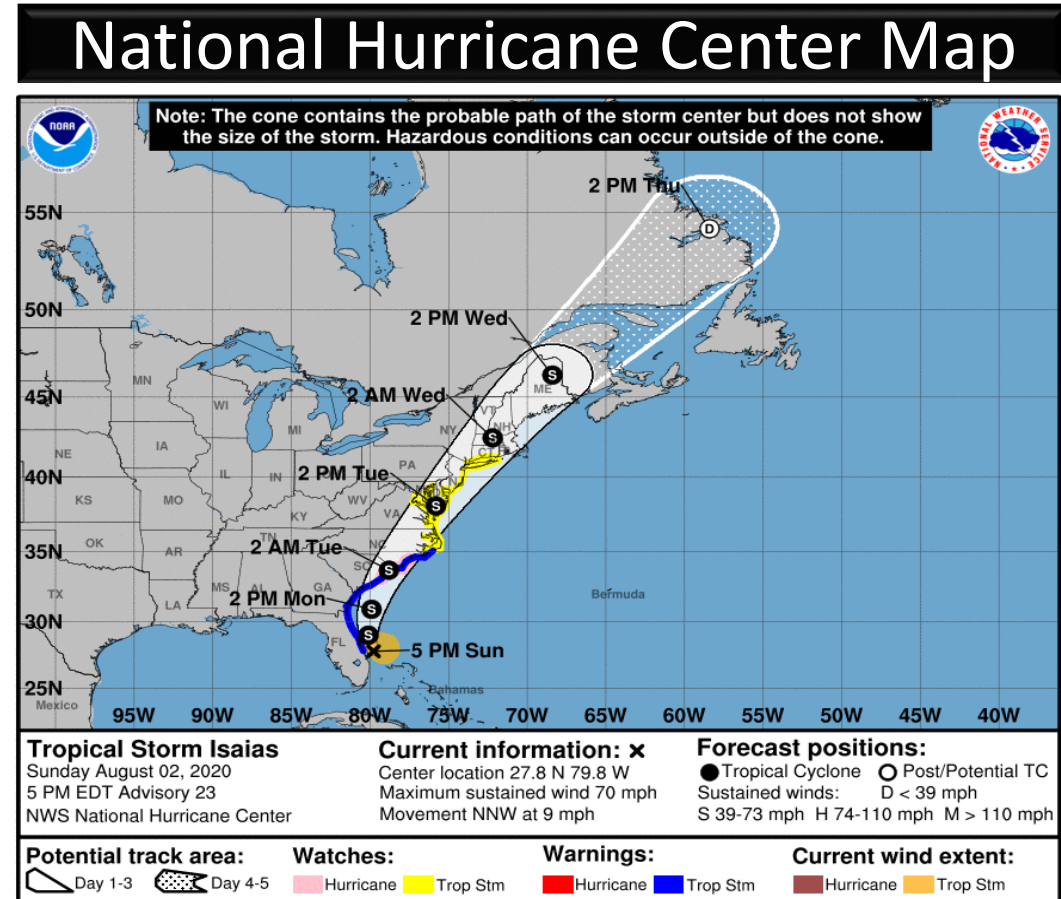
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

Tropical Storm Isaias Sunday, August 2

	MINIMAL	Low	MODERATE	HIGH	EXTREME
 WINDS					
 STORM SURGE					
 FLASH FLOODING					
 TORNADOES					

	Low	MODERATE	HIGH
 RIP CURRENTS			



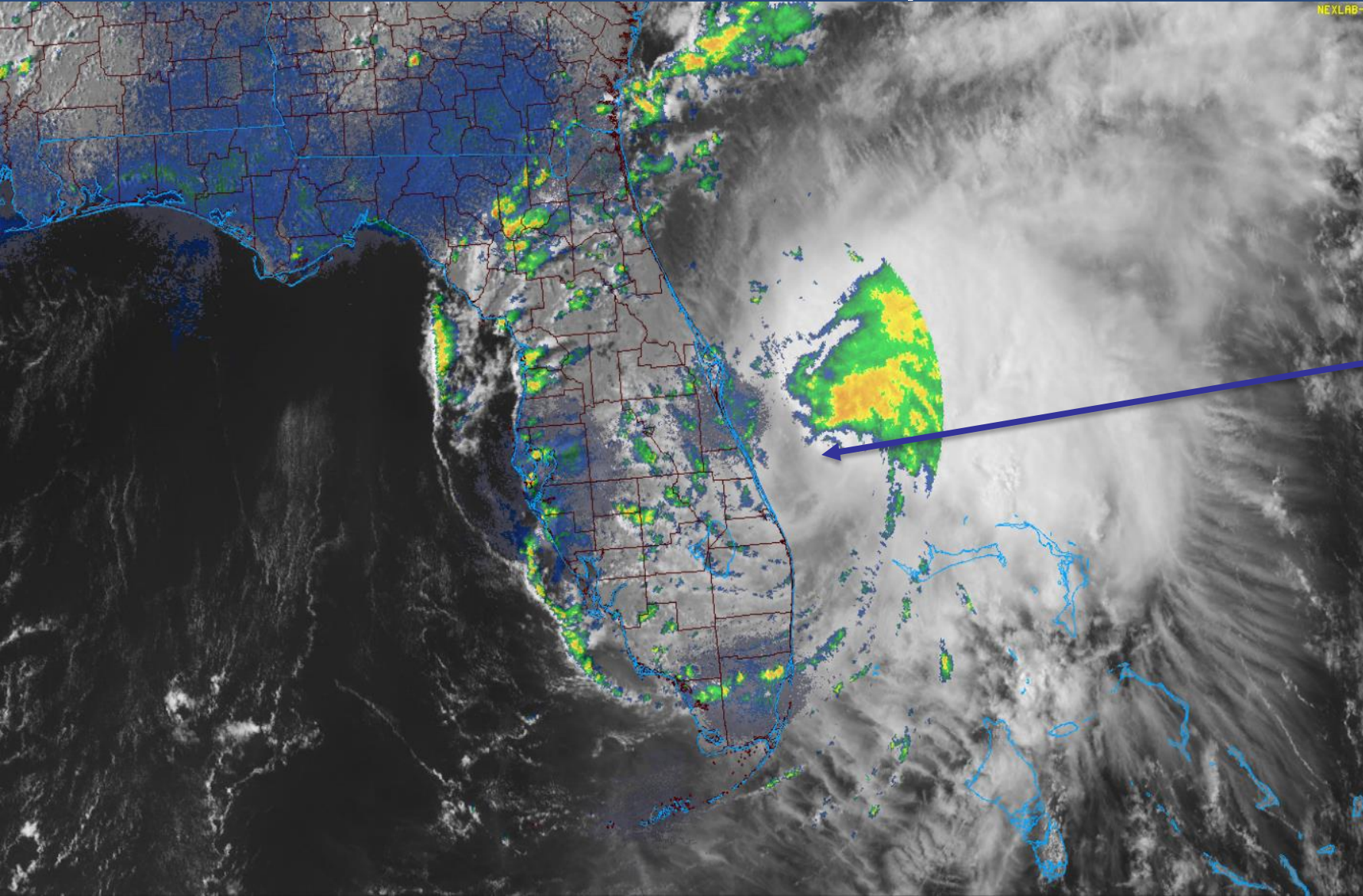
Overview/Recent Changes:

Isaias remains a tropical storm (70 mph) and is moving to the north-northwest at 9 mph. Little change in strength is forecast as it parallels Florida. Tropical Storm Warnings remain in effect for the First Coast and Space Coast. Rain bands will increase across Central Florida and Northeast Florida tonight.



Satellite Imagery

Southwest Atlantic – Tropical Storm Isaias

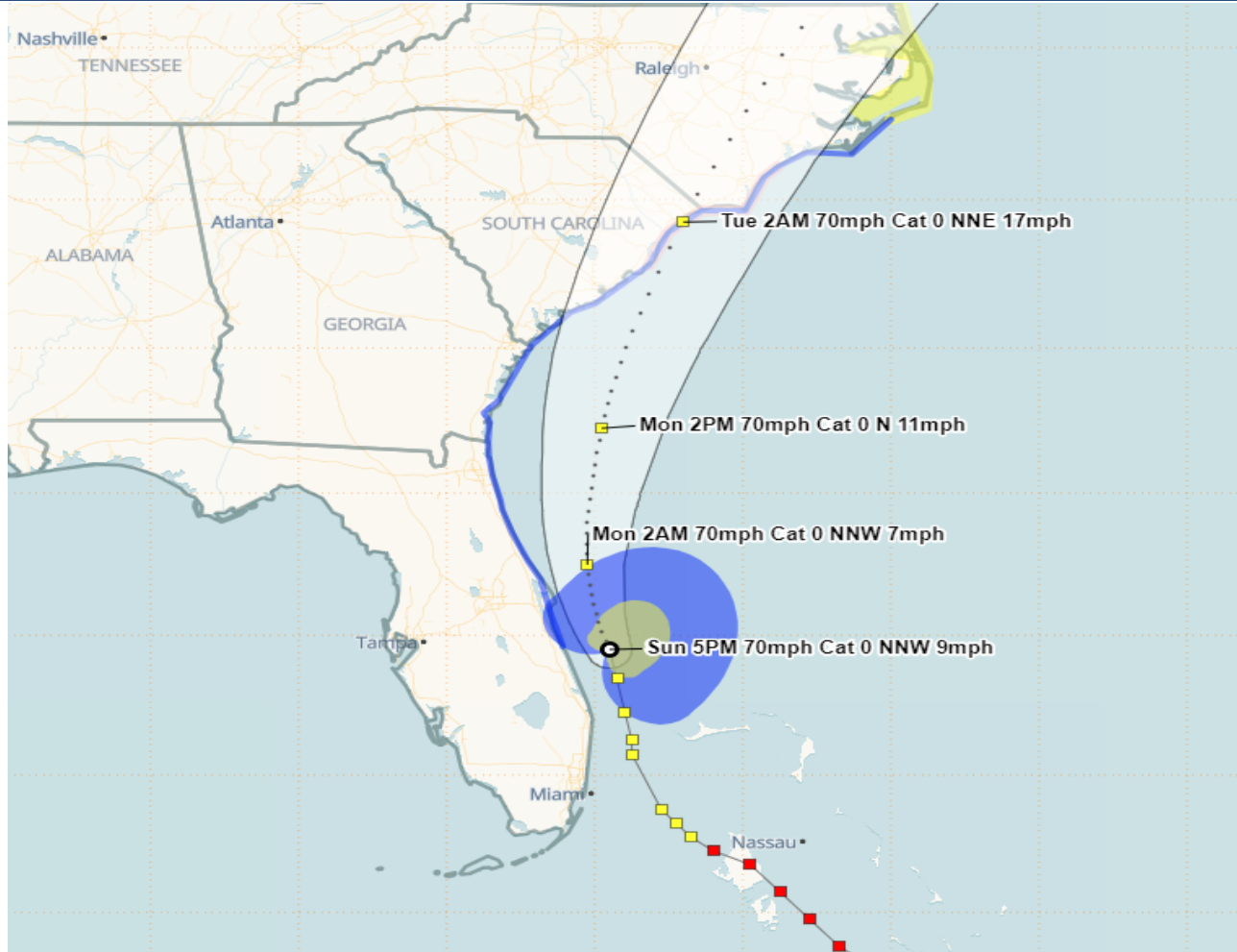


The center of Tropical Storm Isaias is located just over 35 miles northeast of Vero Beach and moving NNW at 9mph.

Isaias continues to produce limited rain activity in the feeder bands west of the center of circulation, with the bulk of the heavy rain and strongest winds offshore. However, tropical storm force winds and similar gusts will continue along the Treasure Coast through the evening and begin to increase for the Space Coast region overnight.



Official Forecast Track



TROPICAL STORM ISAIAS - Sunday, August 2, 2020 5PM EDT Advisory #23

● Center Location: 27.8 N 79.8 W Maximum Sustained Winds: 70 mph Movement: 9 mph NNW

Sustained Wind Speed: ■ tropical storm ≥ 34 kt/39mph ■ strong tropical storm ≥ 50 kt/58mph ■ hurricane ≥ 64 kt/74mph

Wind Watches: ■ hurricane ■ tropical storm Wind Warnings: ■ hurricane ■ tropical storm

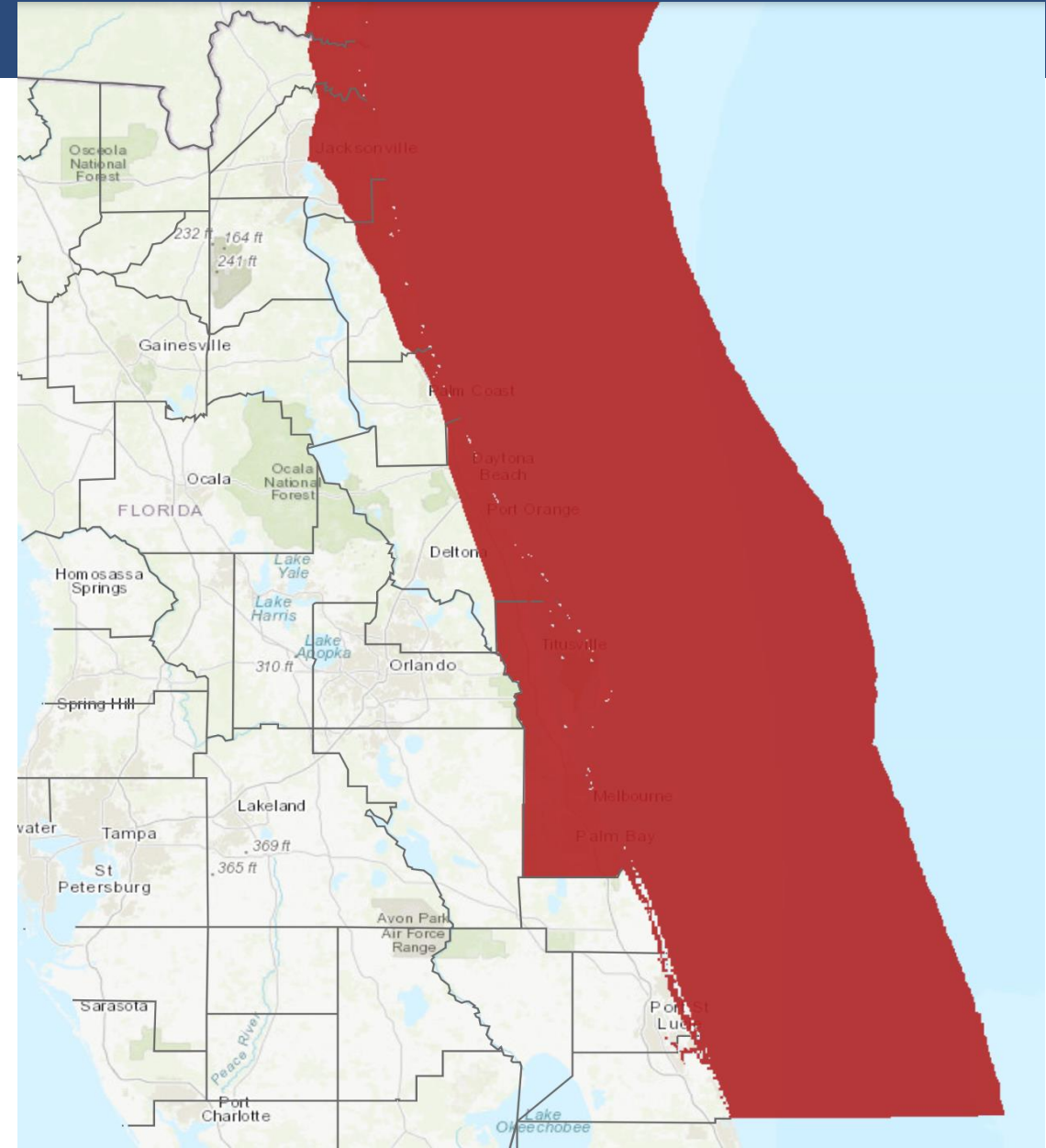
- The center of Isaias is about 35 miles northeast of Vero Beach, or 65 miles southeast of Cape Canaveral, moving to the NNW at 9 mph.
- Maximum sustained winds are near 70 mph. Most of these winds are occurring in the eastern half of the storm.
- Little change in strength is forecast.
- The system will parallel the Florida East Coast through Monday afternoon.
- Tropical Storm Warnings remain in effect north of Sebastian Inlet.



Wind Watches and Warnings

In Effect Until Further Notice

Tropical Storm Warnings remain in effect for:
Brevard, coastal Duval, coastal Flagler, coastal Nassau, coastal St. Johns, and coastal Volusia





Damaging Wind Threat Overview

Tropical Storm Isaias

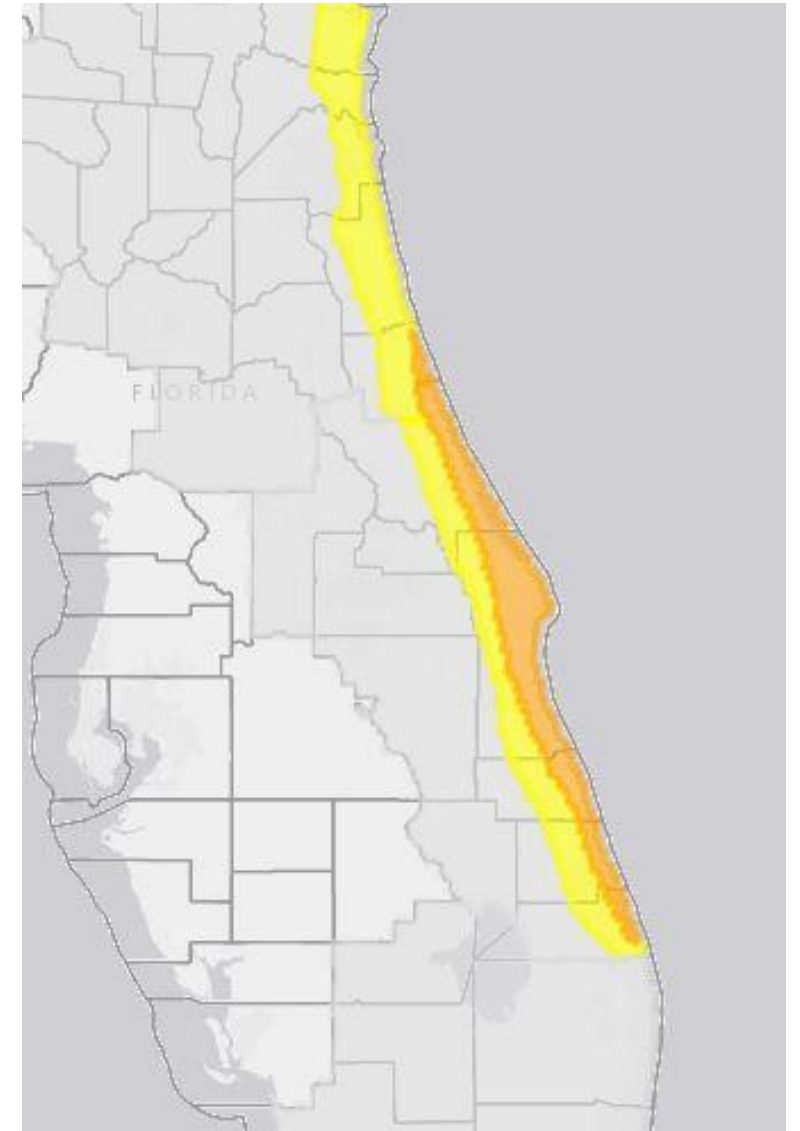
The greatest wind threat is along the immediate coast of the Peninsula, mainly along and east of I-95.

Higher gusts to 60 mph may be possible through tomorrow morning as Isaias makes its closest approach.

<https://www.weather.gov/srh/tropical?office=mfl>

Click on “Threats and Impacts” Tab

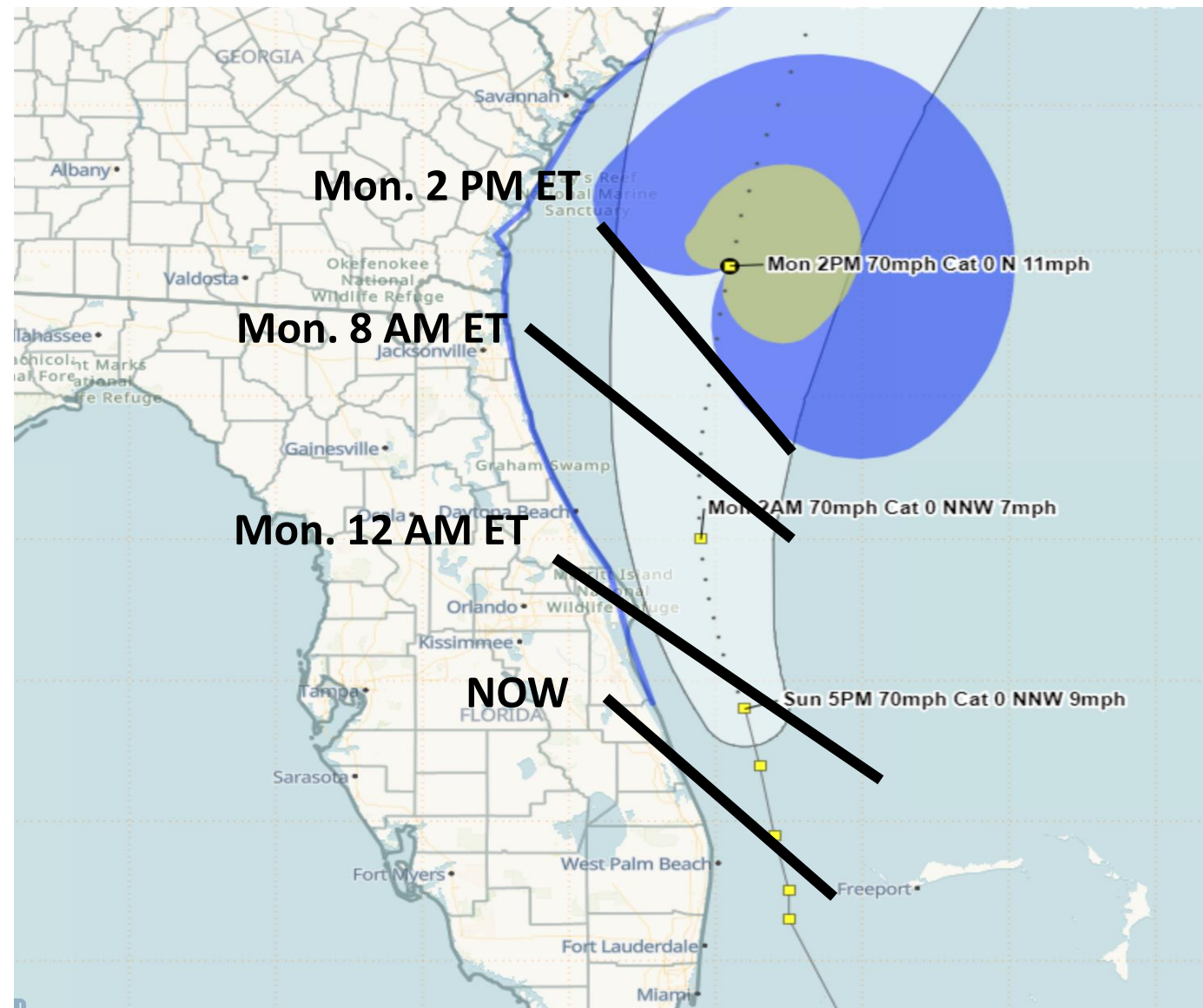
Wind Threat
Potential for wind greater than 110 mph
Potential for wind 74 to 110 mph
Potential for wind 58 to 73 mph
Potential for wind 39 to 57 mph
Wind less than 39 mph





End Time of Tropical Storm Force Winds

MOST LIKELY End Time of Winds >39 mph



Note: Assumes a perfect forecast. Winds will come in intermittent bands.

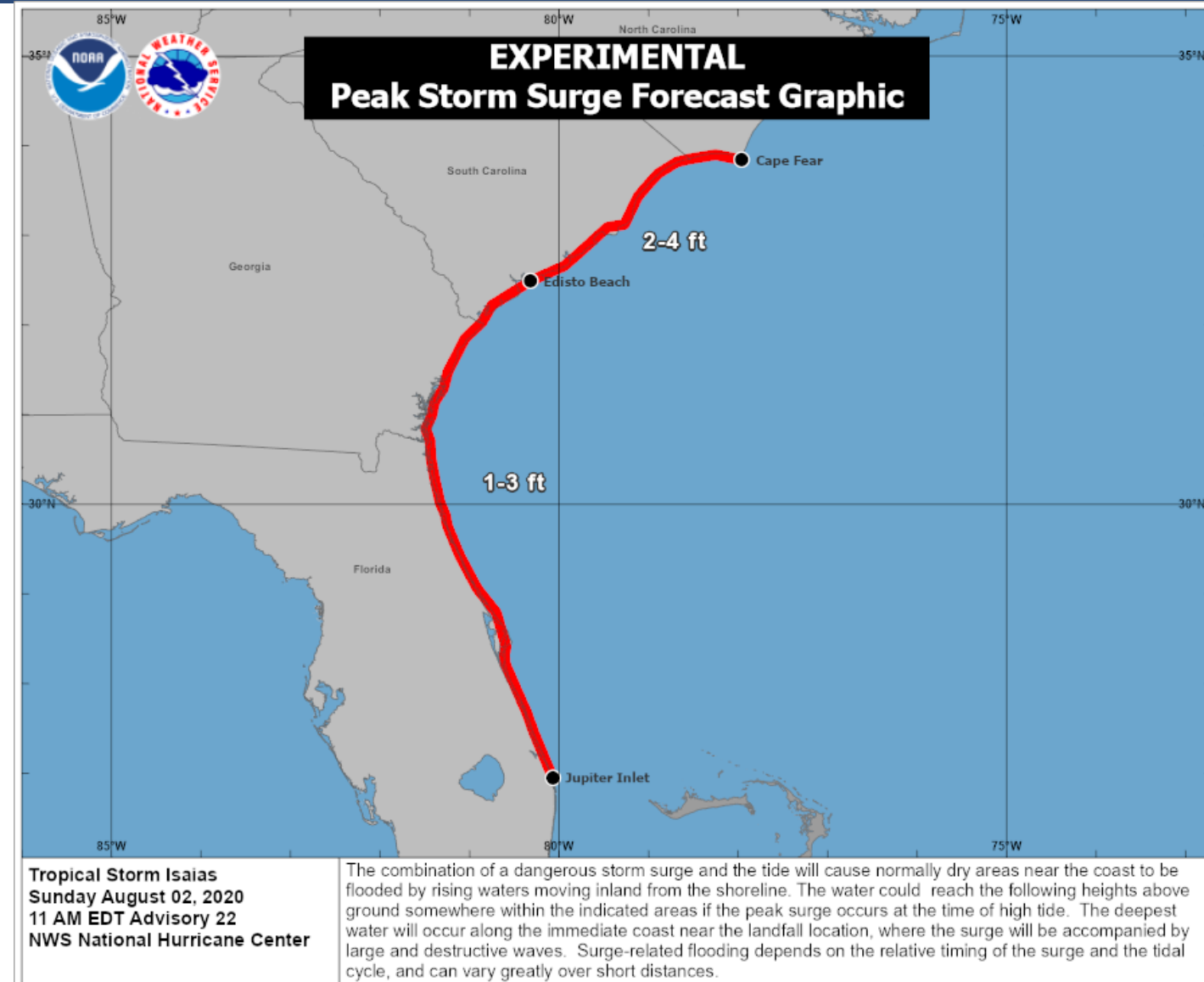
Conditions should improve on the Treasure Coast this evening, Space Coast overnight and Northeast Florida by Monday afternoon.



Storm Surge/Coastal Flooding

Next 36 Hours

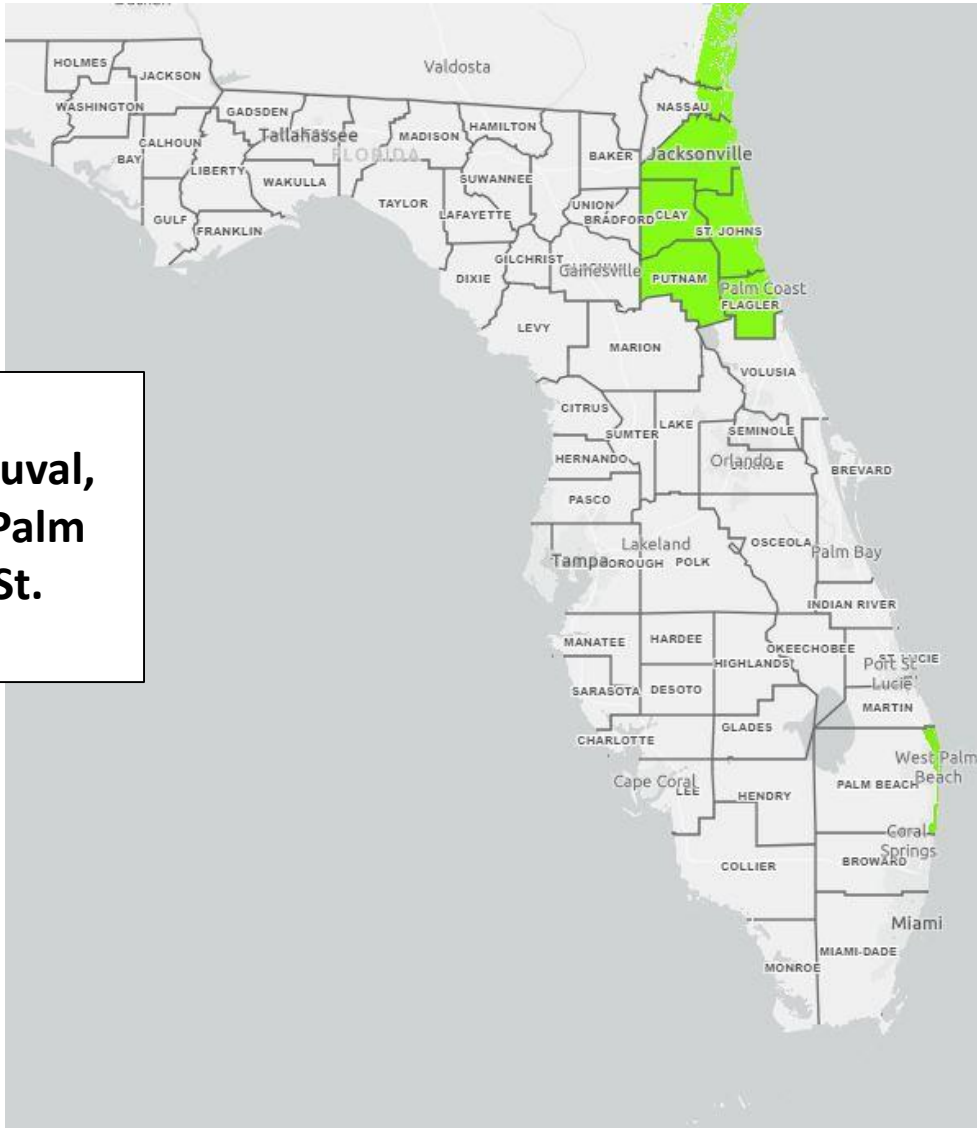
Onshore winds associated with Isaias will result in some minor coastal flooding along the Atlantic along with high surf.





Coastal Flooding

Coastal Flood Advisory: Clay, Duval, Flagler, Nassau, Palm Beach, Putnam, St. Johns



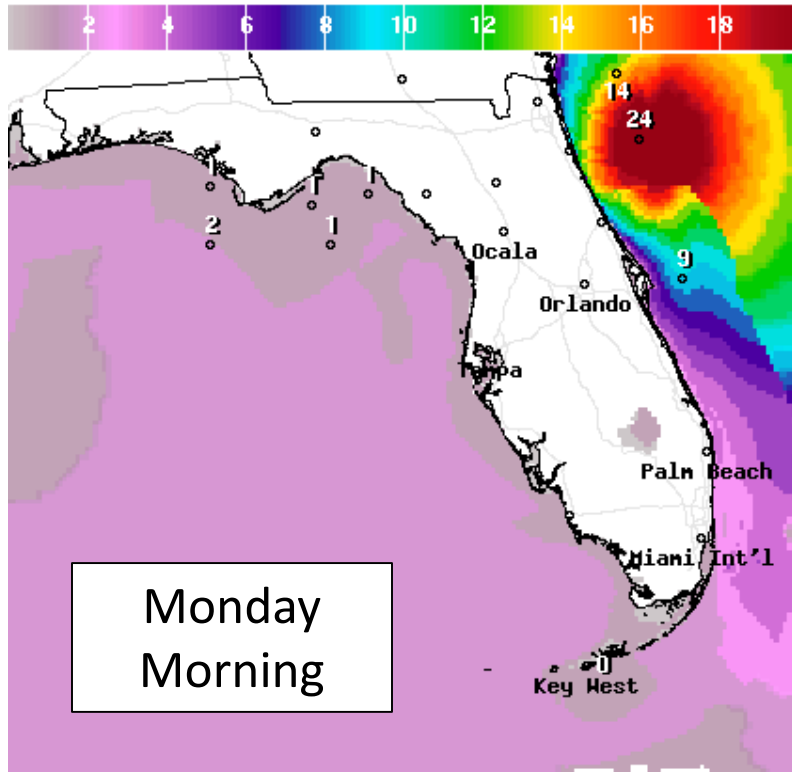
Storm Surge Watches have been cancelled

Has been replaced with a Coastal Flood Advisory for 1-3' of minor coastal flooding



Forecast Wave Heights

This Weekend



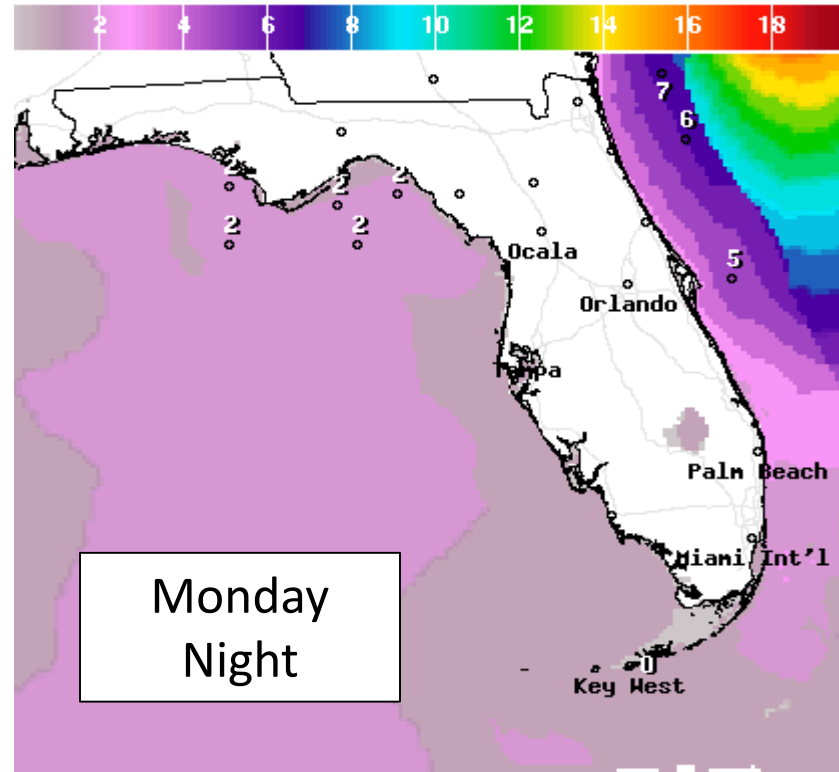
Monday
Morning

Wave Height(ft) Ending Mon Aug 03 2020 8AM EDT
(Mon Aug 03 2020 12Z)



National Digital Forecast Database

19z issuance Graphic created-Aug 02 3:29PM EDT



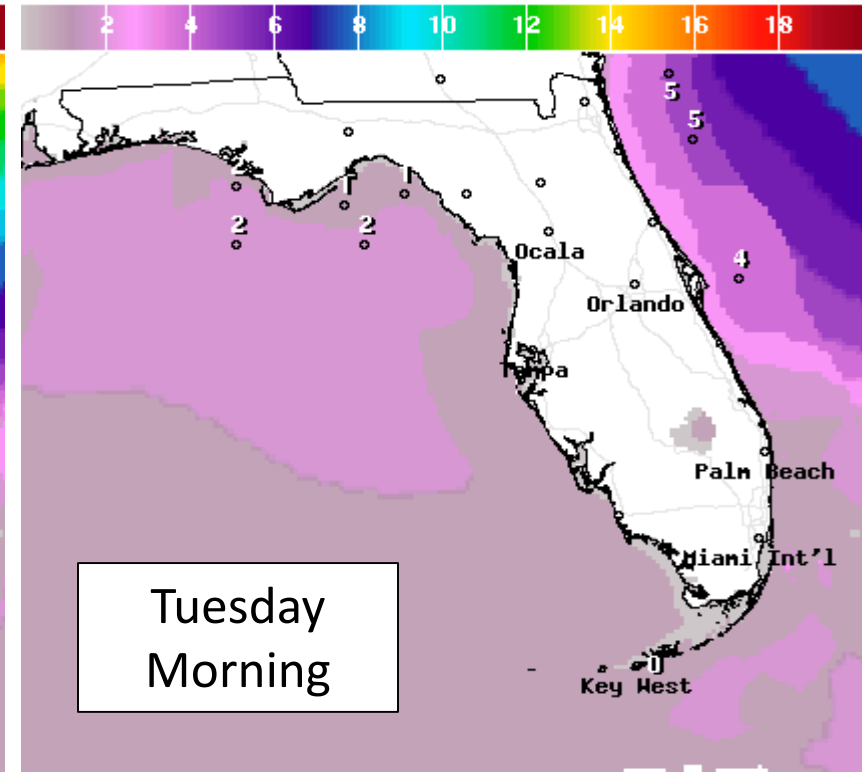
Monday
Night

Wave Height(ft) Ending Mon Aug 03 2020 8PM EDT
(Tue Aug 04 2020 00Z)



National Digital Forecast Database

20z issuance Graphic created-Aug 02 4:22PM EDT



Tuesday
Morning

Wave Height(ft) Ending Tue Aug 04 2020 8AM EDT
(Tue Aug 04 2020 12Z)



National Digital Forecast Database

19z issuance Graphic created-Aug 02 3:30PM EDT



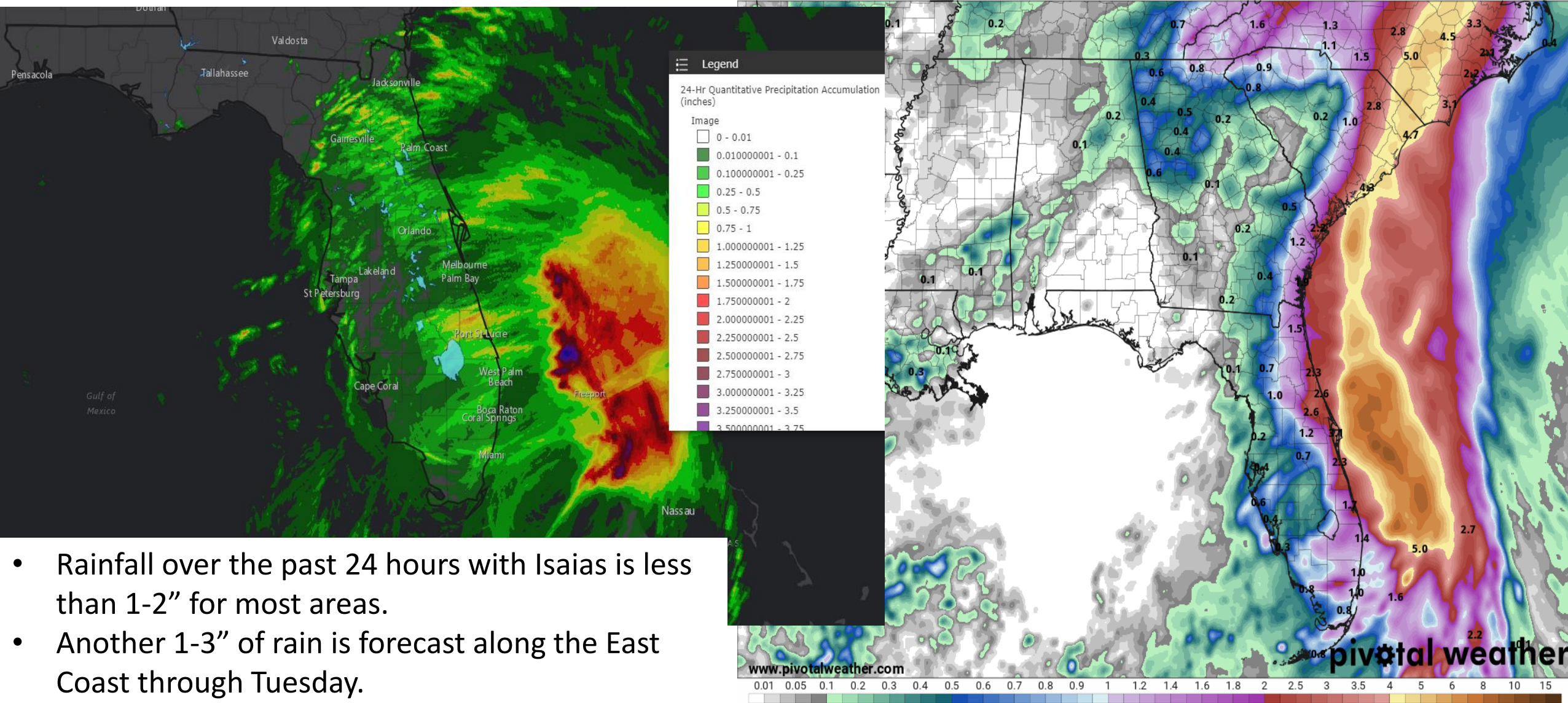
High surf of 8-12 feet is expected along Northeast Florida Coast tonight and Monday morning. This will result in dangerous rip currents. Minor to pockets of significant beach erosion is expected. Even though wave heights will decrease to 3-5 feet by Monday evening, ocean swells will continue to produce dangerous rip currents through at least Wednesday.



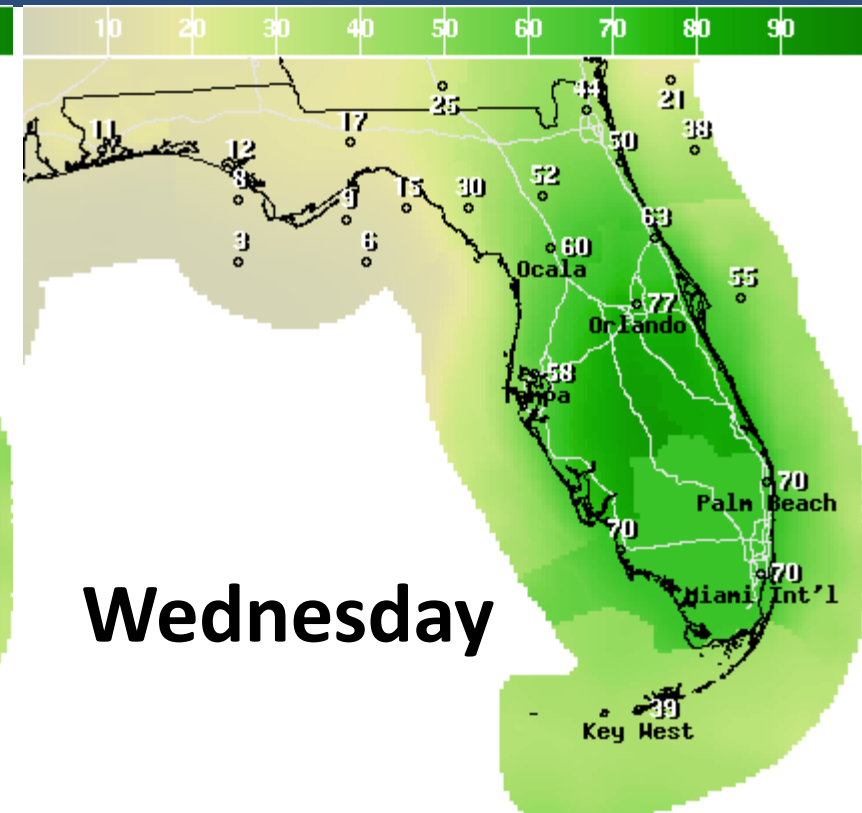
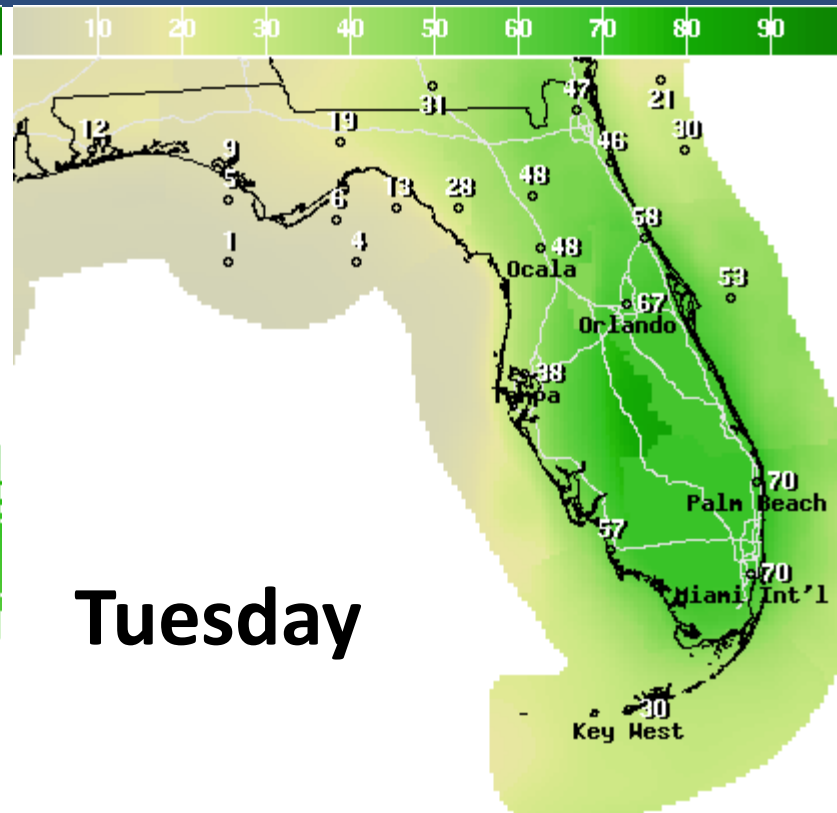
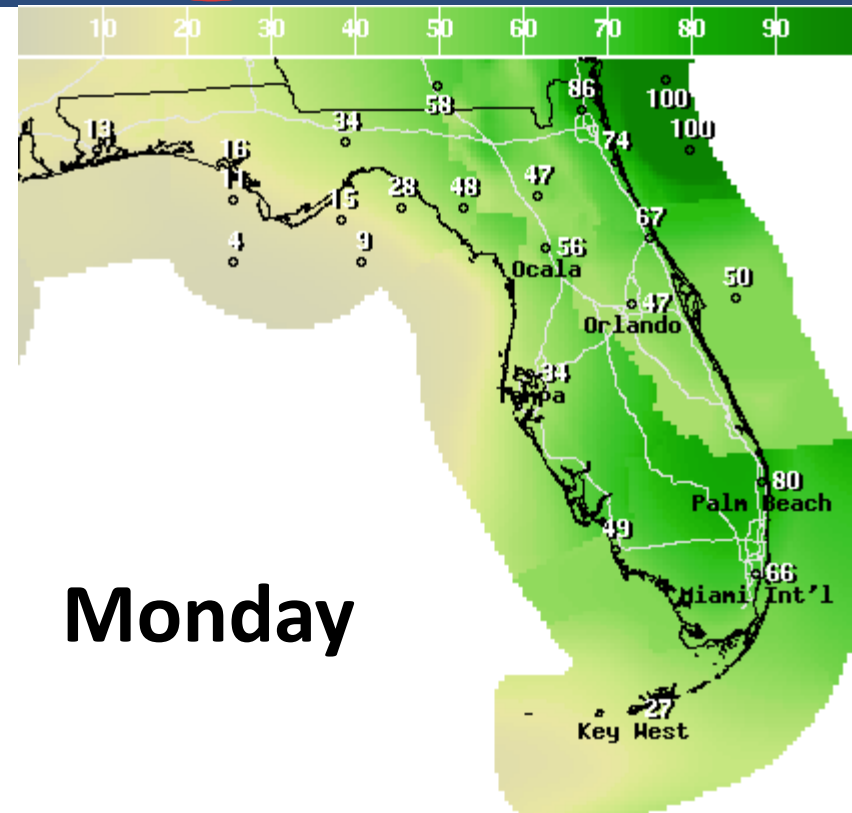
Observed and Forecast Rainfall Totals

72-Hour Precipitation (in)
Ending Wednesday, Aug. 5, 2020 at 8 a.m. EDT

Init: Sun 2020-08-02 12z WPC



- Rainfall over the past 24 hours with Isaias is less than 1-2" for most areas.
- Another 1-3" of rain is forecast along the East Coast through Tuesday.



12Hr Prob.Precip(%)	Ending Mon Aug 03 2020 8PM EDT	12Hr Prob.Precip(%)	Ending Tue Aug 04 2020 8PM EDT	12Hr Prob.Precip(%)	Ending Wed Aug 05 2020 8PM EDT
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Rain bands from Isaias will exit the state Monday afternoon, but a return to a typical summertime pattern of scattered afternoon/evening showers and storms are forecast to continue this week for the Peninsula.



Overall Summary

Tropical Storm Isaias

- Isaias continues to parallel the Florida East Coast, with the center located about 65 miles southeast of Cape Canaveral, moving north-northwest at 9 mph.
- Maximum sustained winds have increased to 70 mph, with the strongest winds occurring east of the center.
- Tropical storm winds extend out 115 miles east from the center, but only about 25-50 miles to the west.
- Some rain bands are occurring over Florida, but the heaviest thunderstorms remain offshore. These bands may contain heavy rain and wind gusts of 40-60mph.
- The system is expected to be east of Northeast Florida tomorrow and move inland over the Carolinas Monday night and Tuesday.

Central Atlantic Tropical Wave

- A tropical wave northeast of the Lesser Antilles has a 40% (medium) chance of becoming a tropical depression within the next 48 hours, and a 60% (medium) chance of development within 3-5 days.
- This system is not forecast to be a direct threat to Florida.



Overall Summary

Florida Outlook:

- **Isaias will continue to impact the East Coast of Florida tonight and tomorrow.**
- **Tropical Storm Warning:** Brevard, coastal Duval, coastal Flagler, coastal Nassau, coastal St. Johns, and coastal Volusia
- **Coastal Flood Advisory:** Clay, Duval, Flagler, Nassau, Palm Beach, Putnam, and St. Johns
- Wind gusts from 40-65 mph are generally forecast in the tropical storm warning area with sustained winds at 30-45 mph
- Additional rainfall amounts of 1-4" with localized heavier amounts will be possible across the Space and First Coasts through tomorrow
- Minor coastal flooding is possible at high tide times along the Atlantic coast, the Intercostal Waterway, and the lower St. Johns River
- Elevated surf, dangerous rip currents, and pockets of moderate to severe beach erosion will be likely at all Atlantic beaches tonight and tomorrow.

The next briefing packet will be issued tomorrow. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



Created by:

Amy Godsey, Chief State Meteorologist

Amy.Godsey@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

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