



Tropical Update



8:00 AM EDT

Monday, August 28, 2023

Tropical Storm Idalia, Major Hurricane Franklin & Eastern Tropical Atlantic (40%)

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.



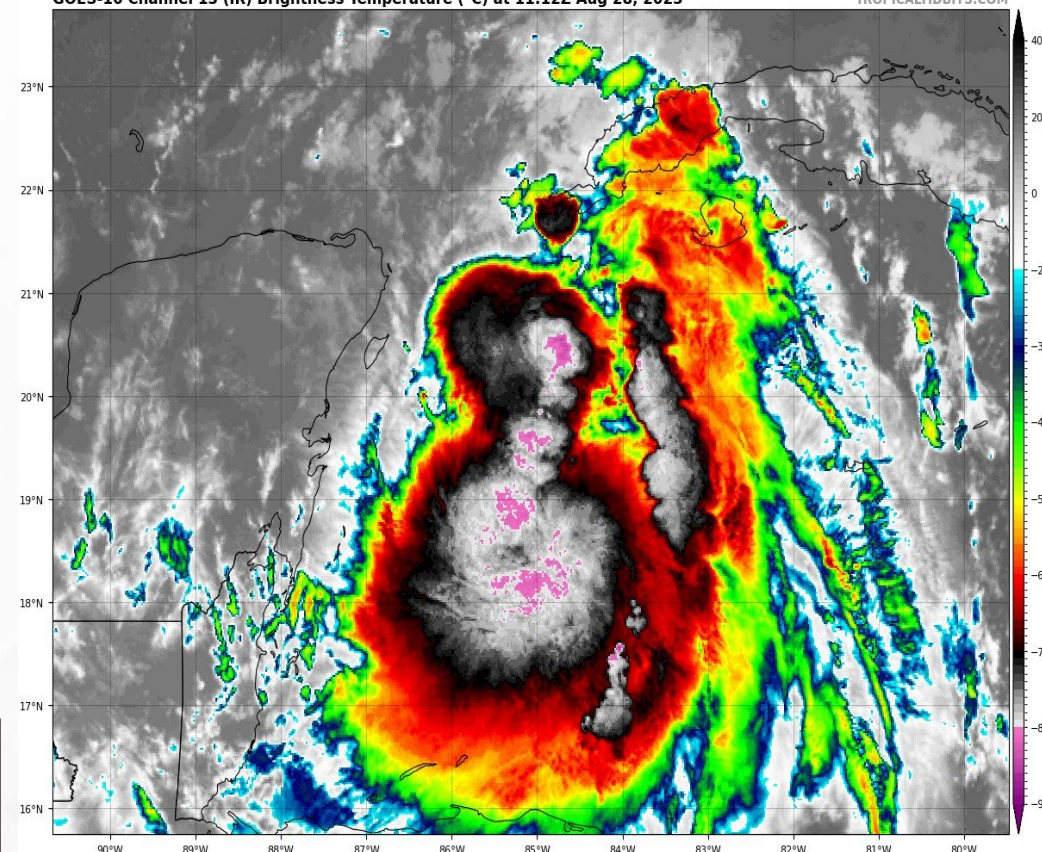
Tropical Storm Idalia

8 AM EDT Monday: Florida Threats & Changes Since Last Packet

	MINIMAL	Low	MODERATE	HIGH	EXTREME
 WINDS					
 STORM SURGE					
 FLASH FLOODING					
 TORNADOES					
	Low	MODERATE	HIGH		
 RIP CURRENTS					

GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 11:12Z Aug 28, 2023

TROPICALTIDBITS.COM



Overview/Recent Changes:

With the 5:00 AM EDT Advisory, Tropical Storm Watches have been issued for inland North Florida counties, including the Suwannee River Valley. Idalia continues to intensify as it approaches the western tip of Cuba, with maximum sustained winds near 65 mph. Idalia is forecast to become a hurricane later today and a major hurricane over the northeastern Gulf of Mexico by early Wednesday morning. Wind and Surge Watches will likely be upgraded to Warnings today.



Current Watches/Warnings

As of 5:00 AM EDT Monday

- **Hurricane Watch:**

- Sarasota, Manatee, Hillsborough, Pinellas, Pasco, Hernando, Citrus, Sumter, western Marion, Levy, Alachua, Union, Bradford, Baker, Columbia, Hamilton, Suwannee, Gilchrist, Dixie, Lafayette, Taylor, Madison, coastal Jefferson, coastal Wakulla, coastal Franklin

- **Tropical Storm Warning:**

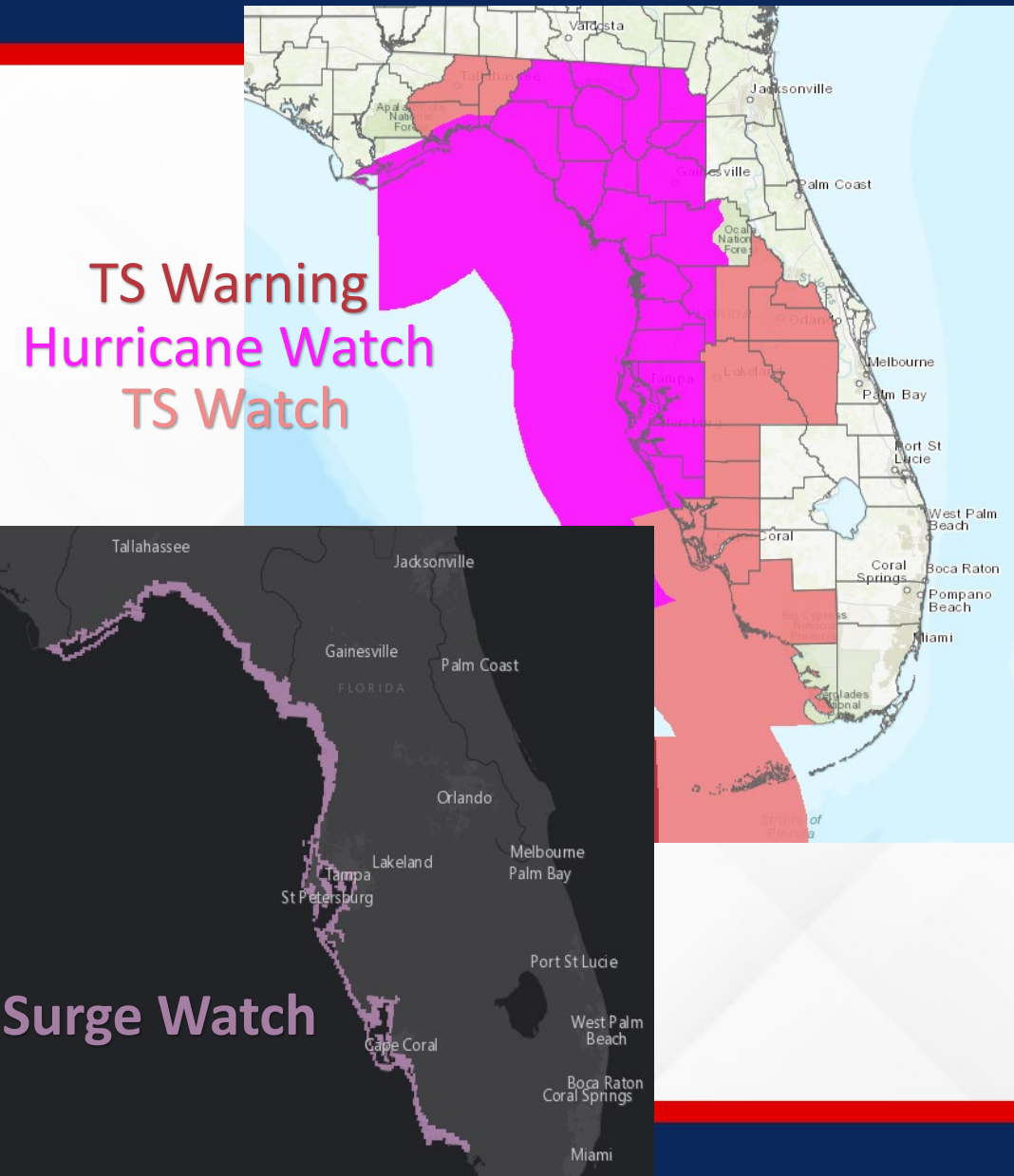
- Dry Tortugas

- **Tropical Storm Watch:**

- Leon, inland Wakulla, inland Jefferson, Lake, Seminole, Orange, Osceola, Polk, Hardee, DeSoto, Charlotte, Lee, Collier, Lower Keys

- **Storm Surge Watch:**

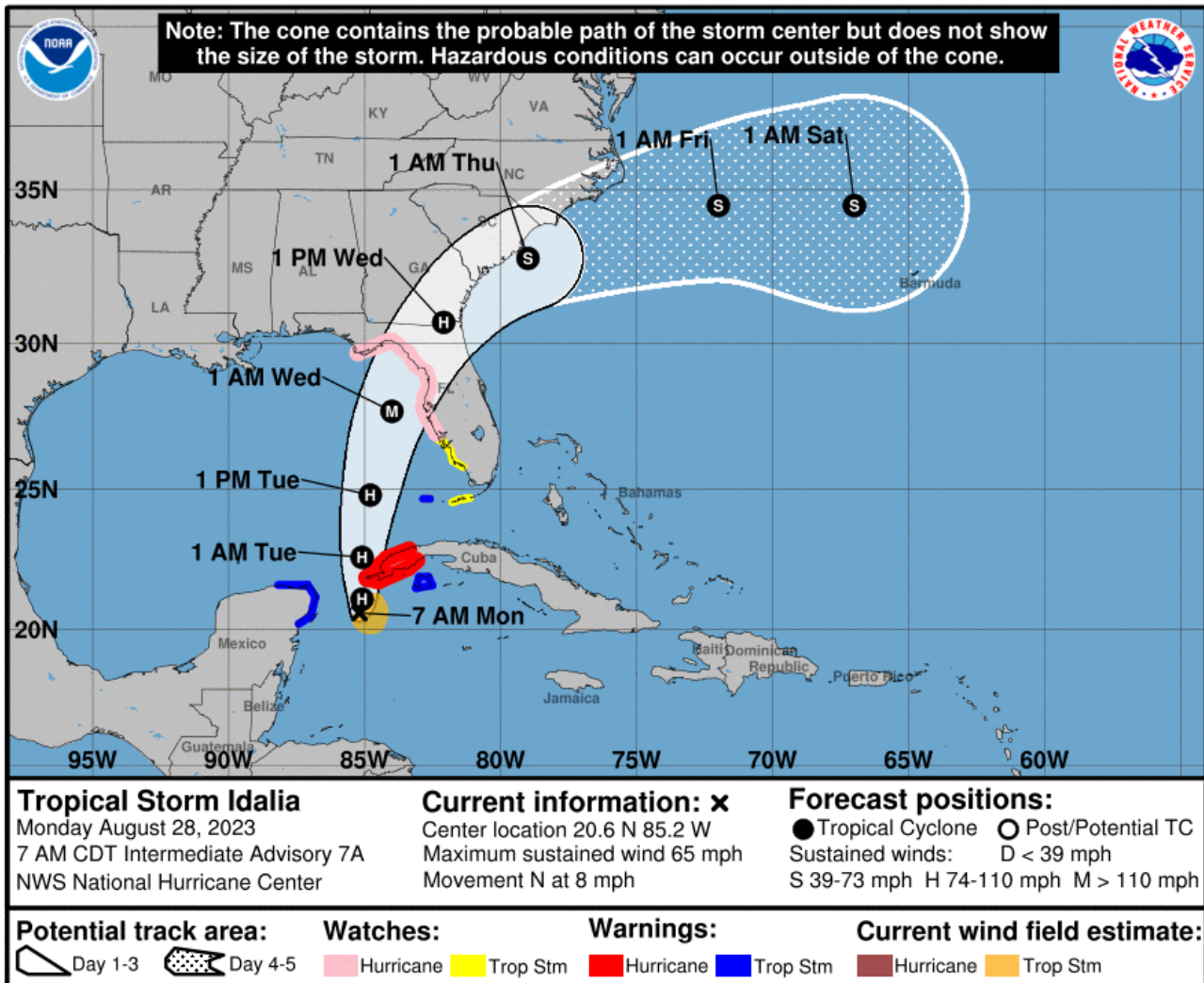
- Chokoloskee (Collier/Monroe border) to Indian Pass (Franklin/Gulf border), including Tampa Bay





Forecast Cone

Tropical Storm Idalia ([LINK](#))



- **Location:** 375 miles SW Key West, Florida
- **Maximum Sustained Winds:** 65 mph
- **Current Movement:** N at 7 mph
- **FL Watches/Warnings:**
 - **Hurricane Watch:** Franklin to Sarasota County, Suwannee Valley
 - **Tropical Storm Watch:** Charlotte to Collier County, Lower Keys, inland Central Florida, inland Big Bend
 - **Tropical Storm Warning:** Dry Tortugas (Monroe)

A northward motion is expected through tonight, followed by a fast north-northeast motion on Tuesday and Wednesday. On the forecast track, the center of Idalia is forecast to pass near or over western Cuba tonight, over the extreme southeastern Gulf of Mexico by early Tuesday, and reach the Gulf Coast of Florida on Wednesday. Idalia is forecast to become a hurricane later today and a major hurricane over the northeastern Gulf of Mexico by early Wednesday.

Watches will likely be upgraded to Warnings later today.

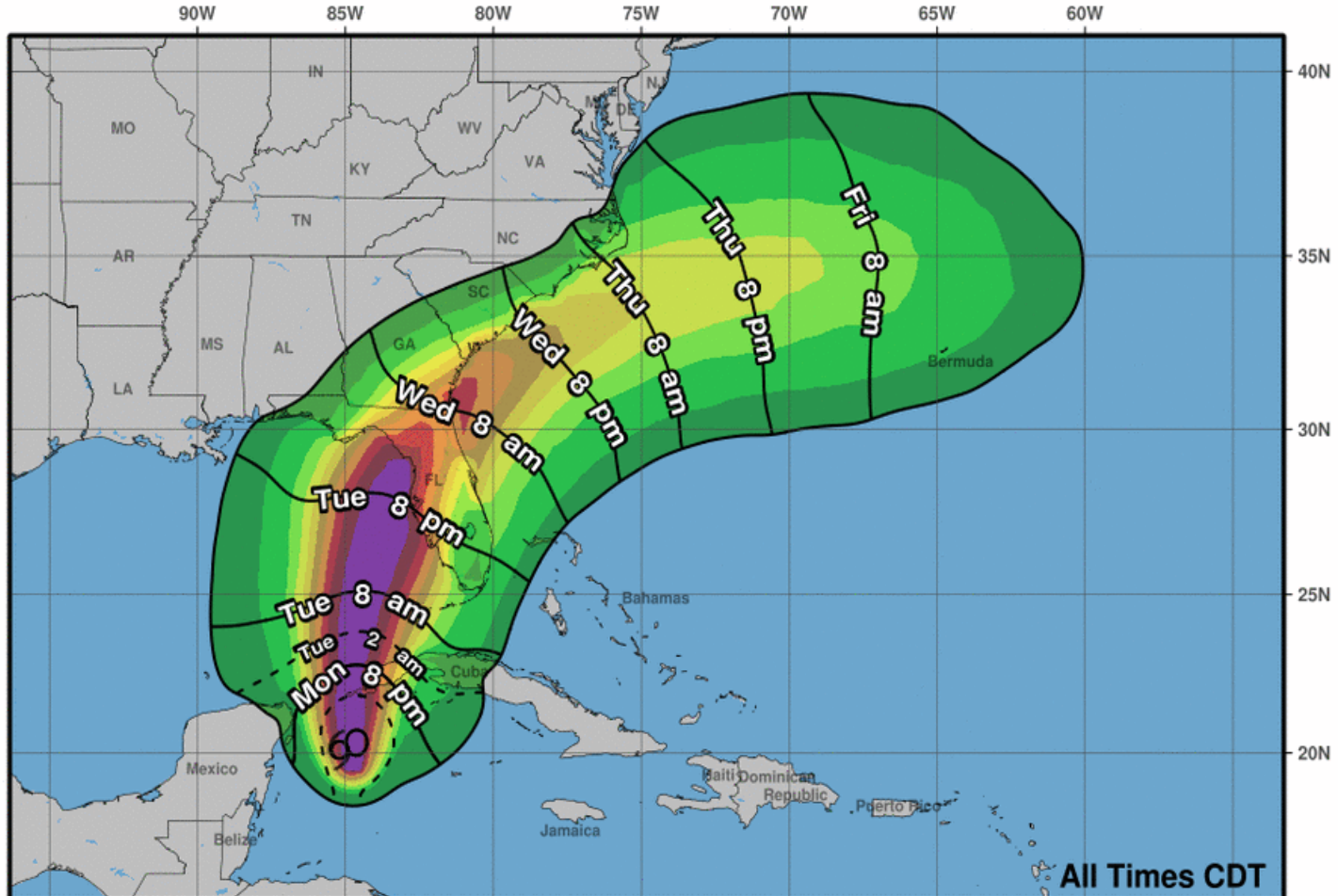


Tropical Storm-Force Wind Probabilities

Tropical Storm Idalia



Most Likely Arrival Time of Tropical-Storm-Force Winds



- Key West – 41% (-9%)
- Naples – 52% (-1%)
- Tampa – 85% (-14%)
- Orlando – 27% (+11%)
- Cedar Key – 88% (+14%)
- Tallahassee – 30% (-1%)
- St. Marks – 39% (+2%)
- Apalachicola – 47% (-1%)
- Panama City – 29% (-5%)
- Jacksonville – 22% (+35%)

The numbers in parenthesis show the change in probability since the previous briefing packet.

Probabilities for tropical storm-force winds continue to increase along the Florida Big Bend, Nature Coast, and West-Central Florida Coast.

Tropical Storm Idalia
Mon. Aug. 28, 2023 4 am CDT
Advisory 7

Storm Location & Wind Speed

○ < 34 kt (39 mph)

○ 34-63 kt (39-73 mph)

● ≥ 64 kt (74 mph)

5-day chance of receiving sustained 34+ kt (39+ mph) winds

5

10

20

30

40

50

60

70

80

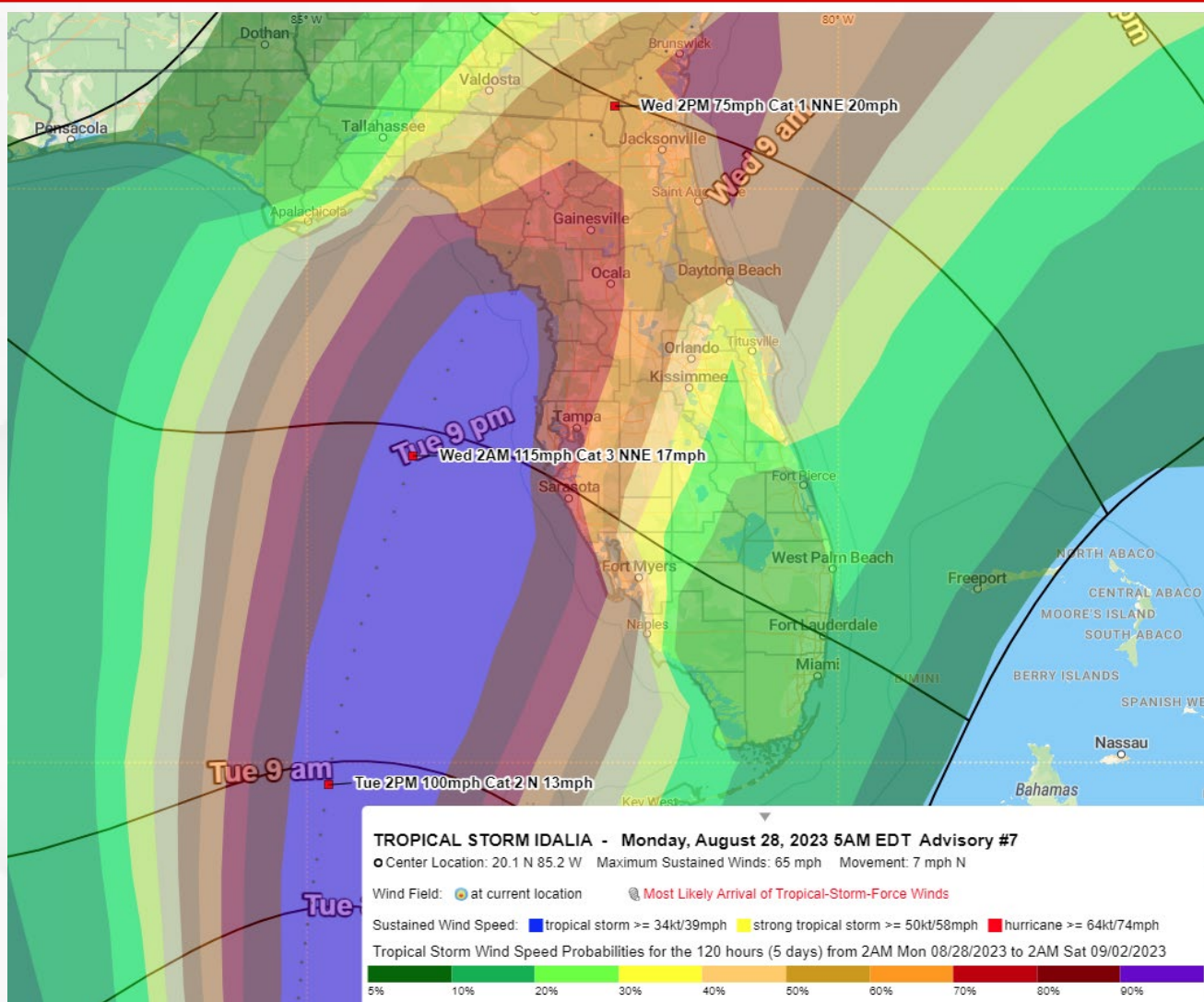
90

100 %



Tropical Storm-Force Wind Timing

Tropical Storm Idalia



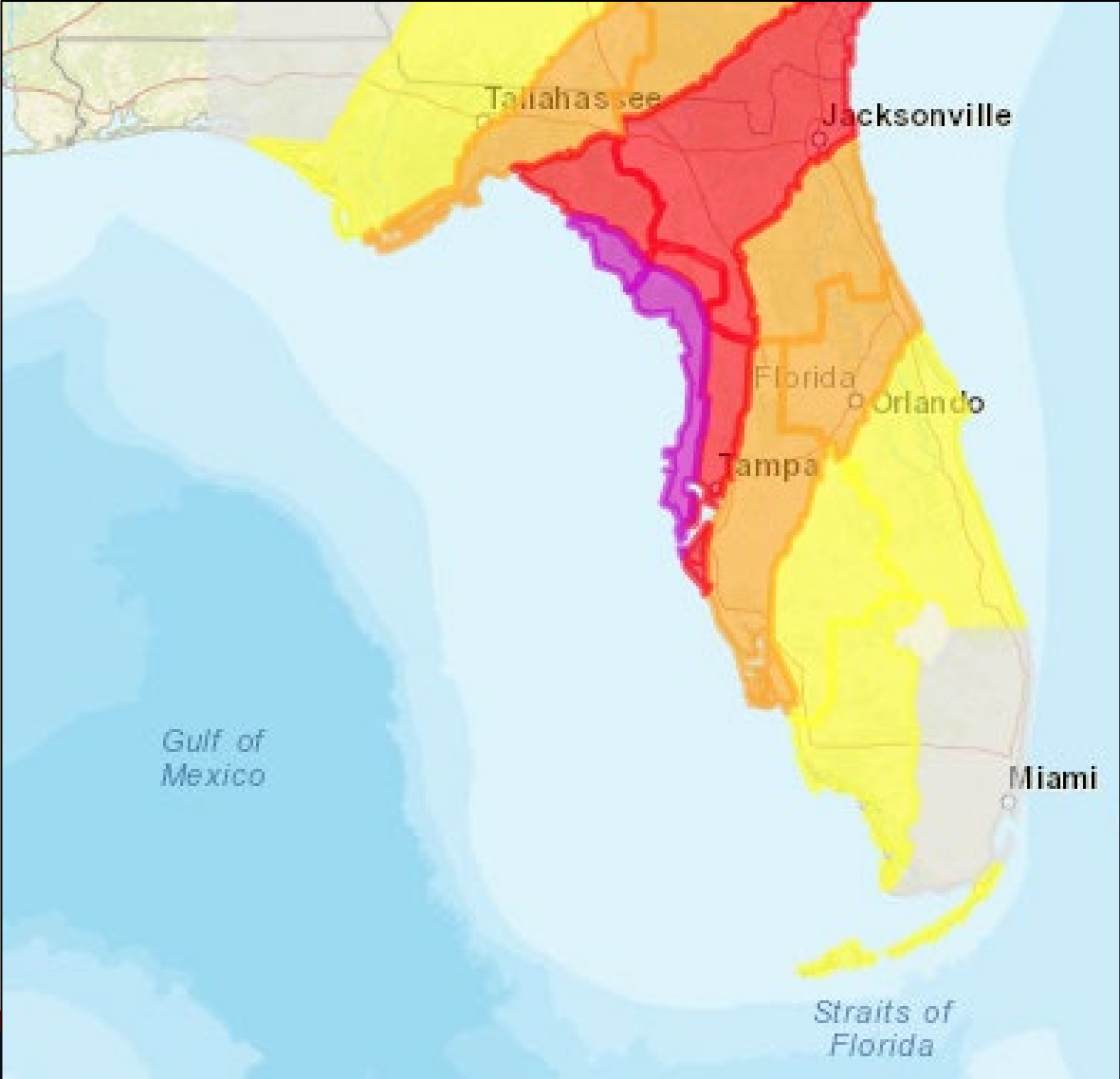
Tropical storm-force wind probabilities continue to increase along the Florida West Coast, with tropical impacts beginning as early as Tuesday morning in Southwest Florida.

The most likely timeframe for deteriorating conditions across the state will be Tuesday evening and overnight from south to north along the Florida Gulf Coast, and early Wednesday morning across Northeast Florida.



Damaging Wind Threat Overview

Tropical Storm Idalia



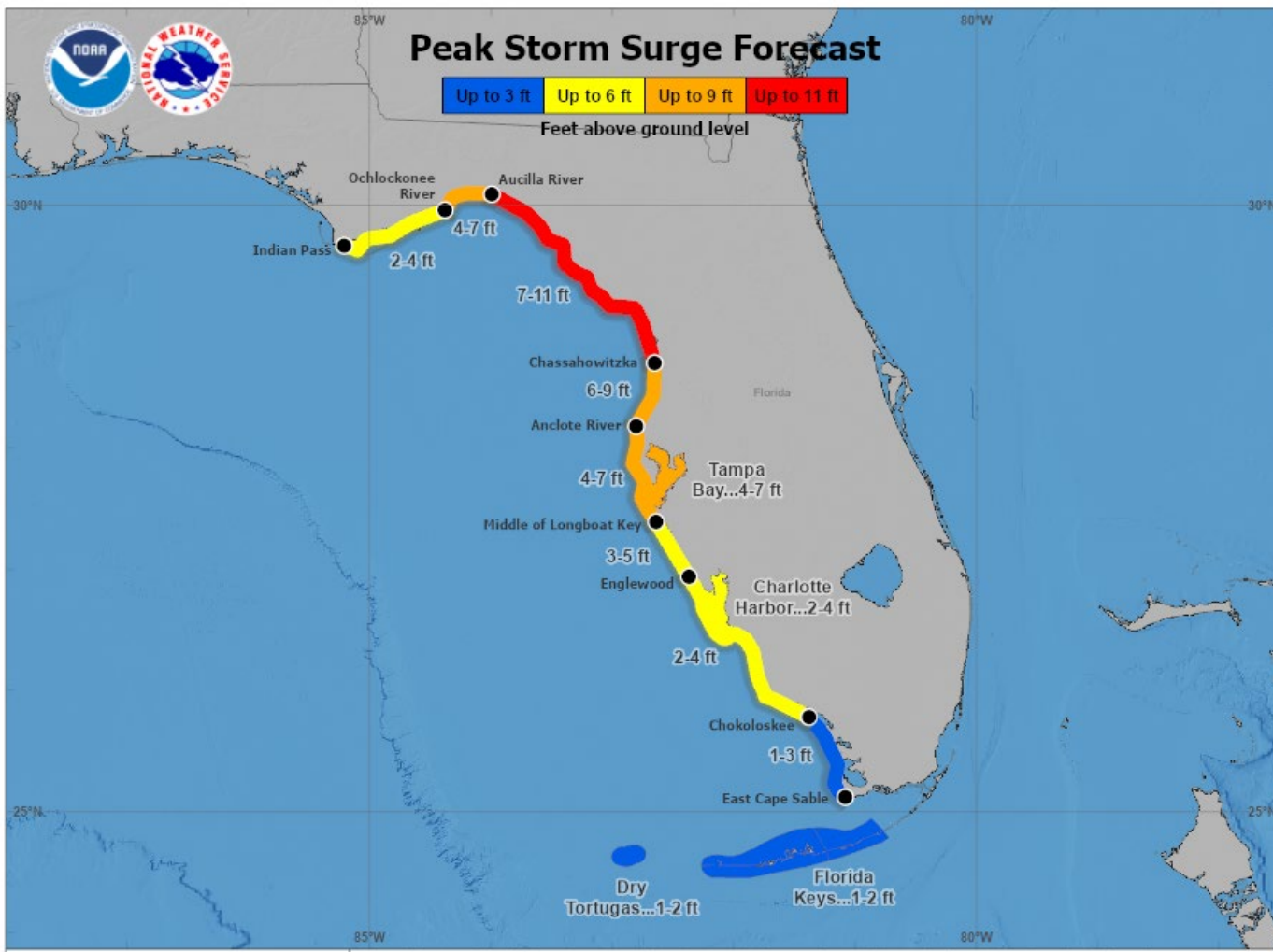
Wind Threat
Potential for wind greater than 110 mph
Potential for wind 74 to 110 mph
Potential for wind 58 to 73 mph
Potential for wind 39 to 57 mph
Wind less than 39 mph

The damaging wind threat will be greatest along the immediate Big Bend shoreline, Nature Coast, and far West-Central Florida coastline. Additional chances for damaging winds will reside along and east of Idalia's track, favoring the West-Central Florida coastline and into portions of the Suwannee River Valley (mainly along and north of I-4). Locally higher wind gusts will be possible within more organized rain bands and thunderstorm activity.



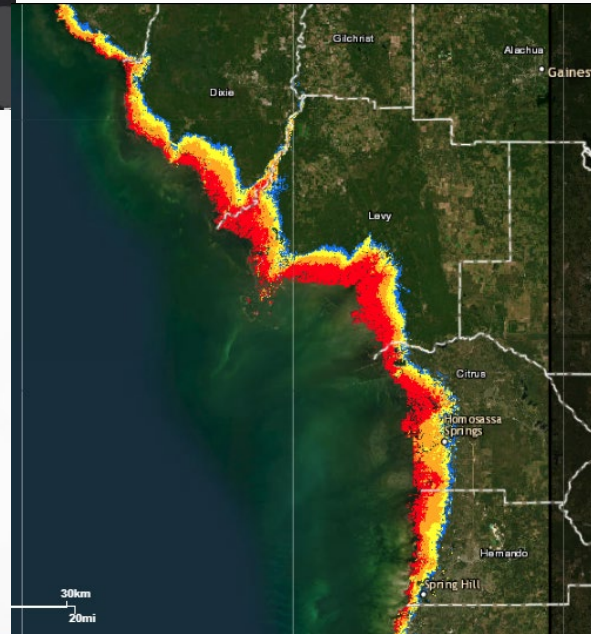
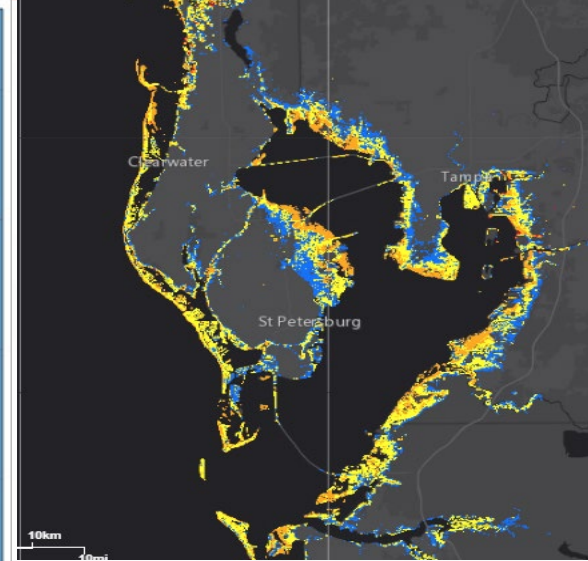
Expected Storm Surge Values

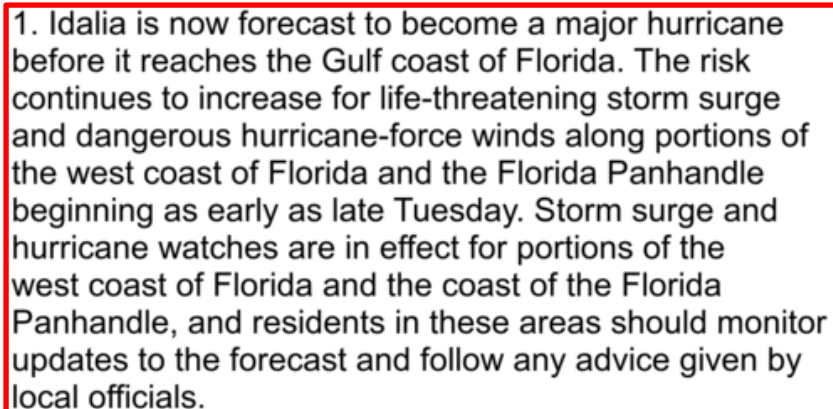
From the National Hurricane Center



Tropical Storm Idalia
Monday August 28, 2023
04 AM CDT Advisory 07
NWS National Hurricane Center

User Notes: Water levels along the immediate coast could reach the following heights above ground level within the indicated areas. Elevated water levels will likely be accompanied by large and destructive waves. Colors are determined by the highest values in the associated forecast peak surge range. Values shown on this graphic are inclusive of tide.





2. Areas of flash and urban flooding, some of which may be locally significant, are expected across portions of the west coast of Florida, the Florida Panhandle, and southern Georgia Tuesday into Wednesday, spreading into portions of the eastern Carolinas Wednesday into Thursday.

3. Hurricane-force winds are expected across portions of far western Cuba later today. Heavy rainfall is also expected across portions of western Cuba and may produce areas of flash and urban flooding as well as landslides across western Cuba.



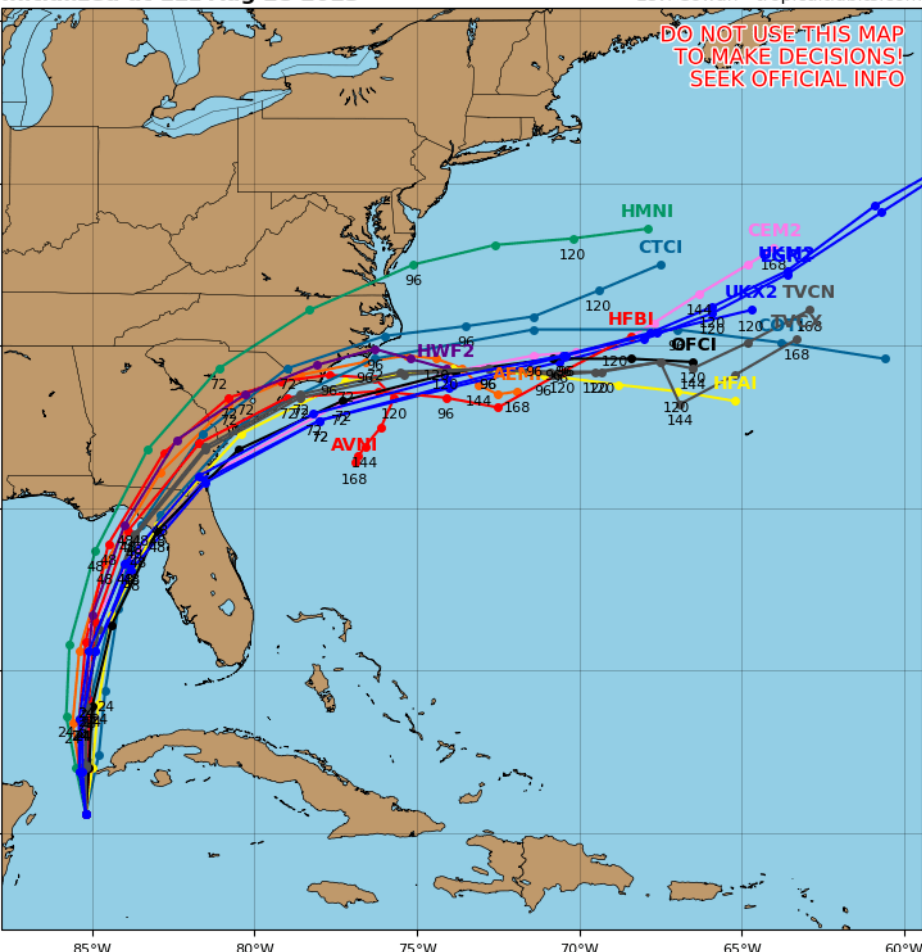


Model Forecasts – Next 5 Days

Tropical Storm Idalia

Tropical Storm IDALIA Model Track Guidance

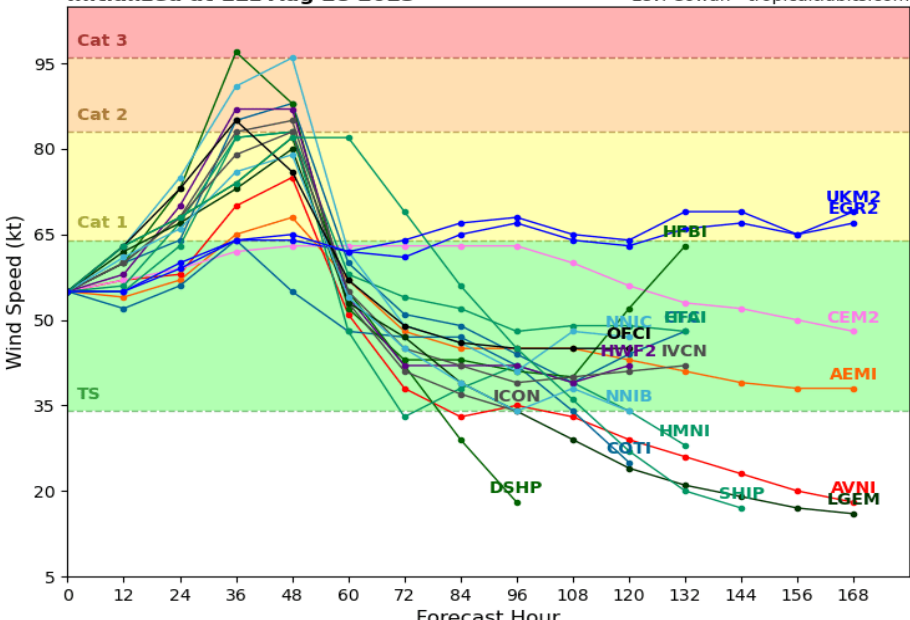
Initialized at 12z Aug 28 2023 Levi Cowan - tropicaltidbits.com



Computer models are in decent agreement regarding Idalia’s forecast track, with little significant changes made this morning. Computer models agree that Idalia will begin a faster northward motion later today, turning north-northeast and northeast by early Wednesday, and making landfall along the Florida Big Bend and Nature Coast Wednesday morning. While there remains some degree of disagreement regarding Idalia’s overall intensity, computer models are in agreement that the system will continue to strengthen today, becoming a hurricane later today near the western tip of Cuba. Computer models show Idalia will continue to intensify over the warm eastern Gulf of Mexico waters through landfall, becoming a major hurricane by late Tuesday night or early Wednesday morning.

Tropical Storm IDALIA Model Intensity Guidance

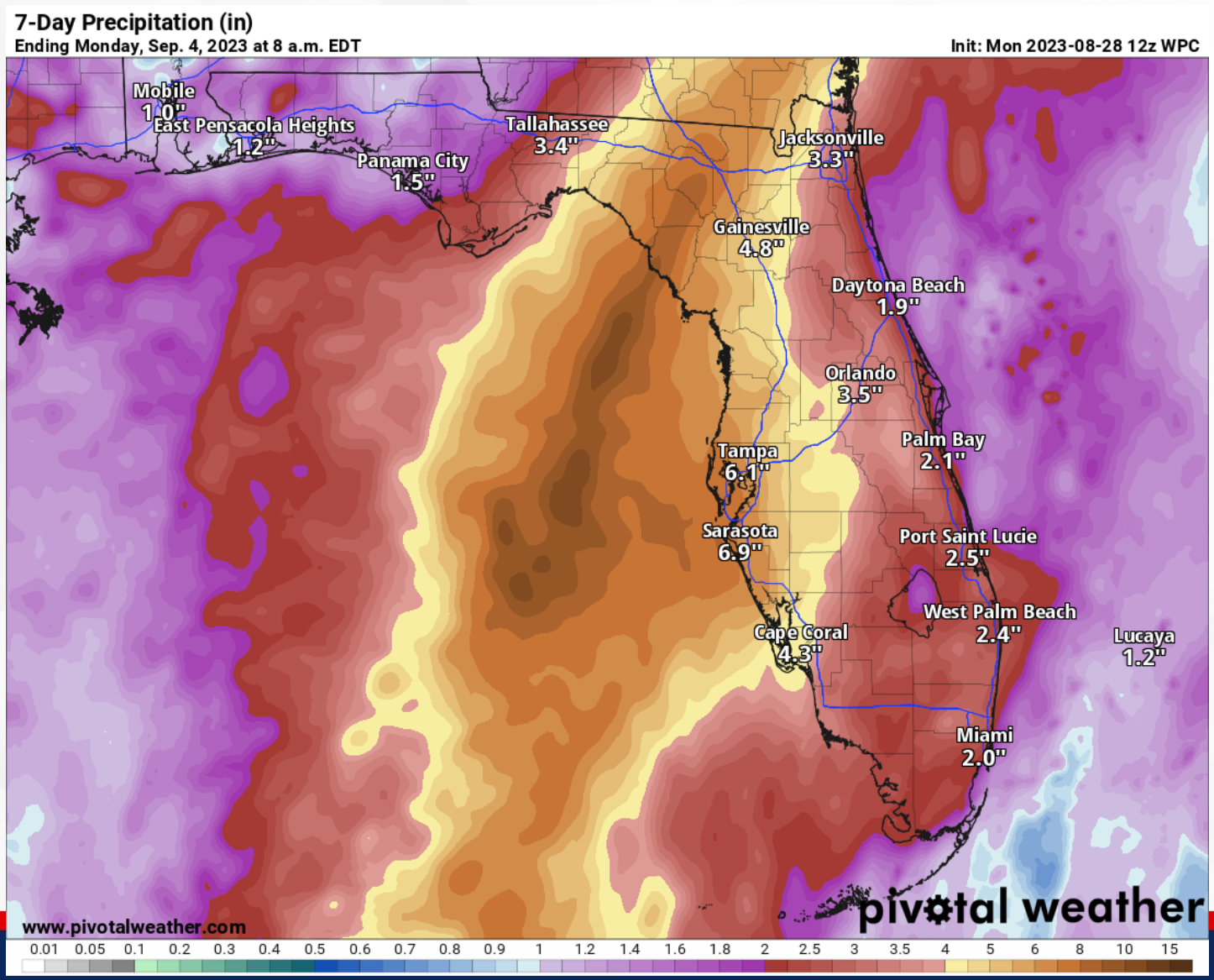
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7-Day Forecast Rainfall

From the National Weather Service & Weather Prediction Center

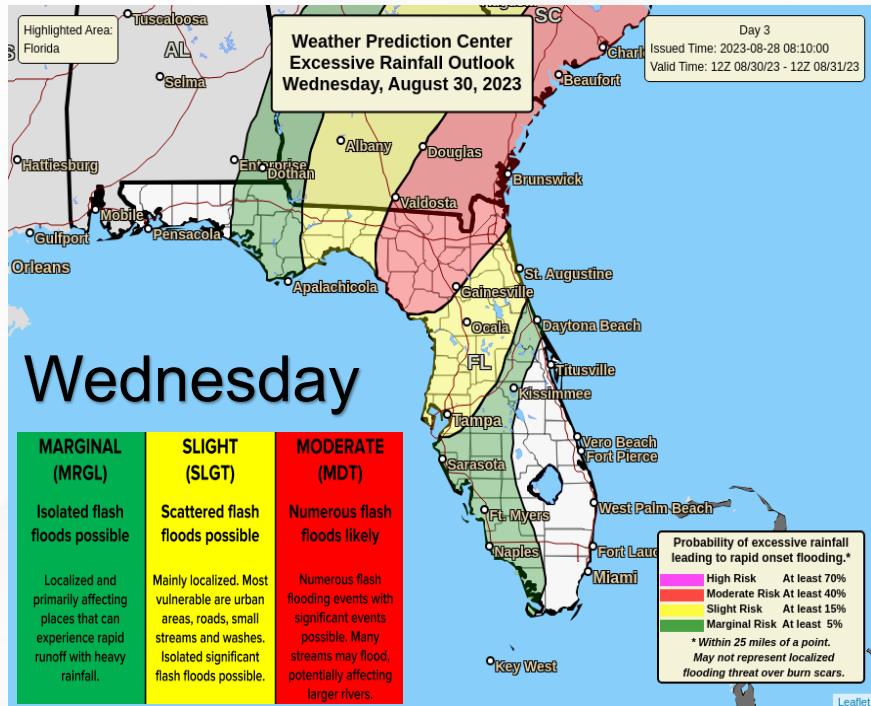
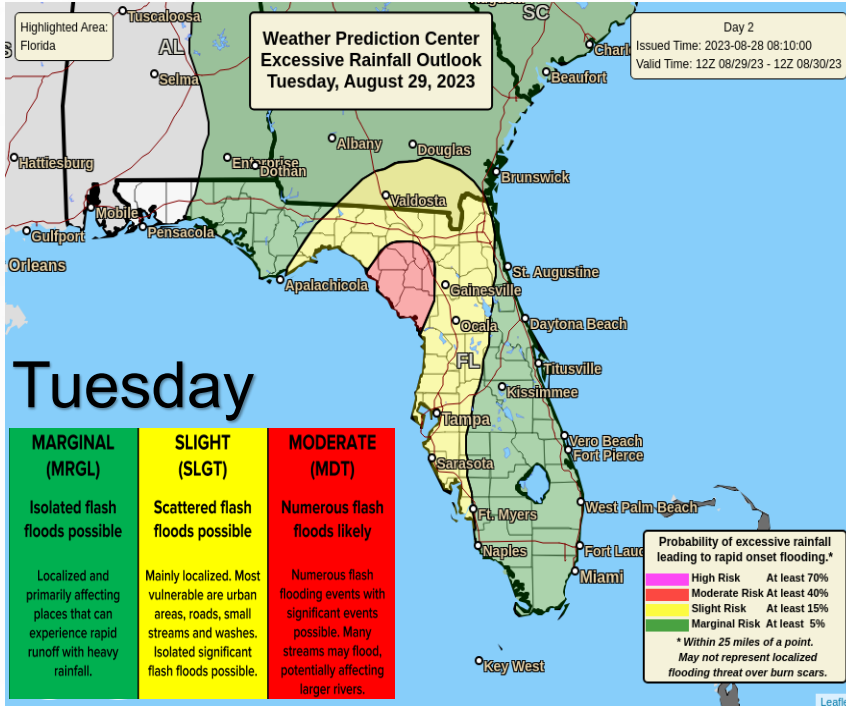
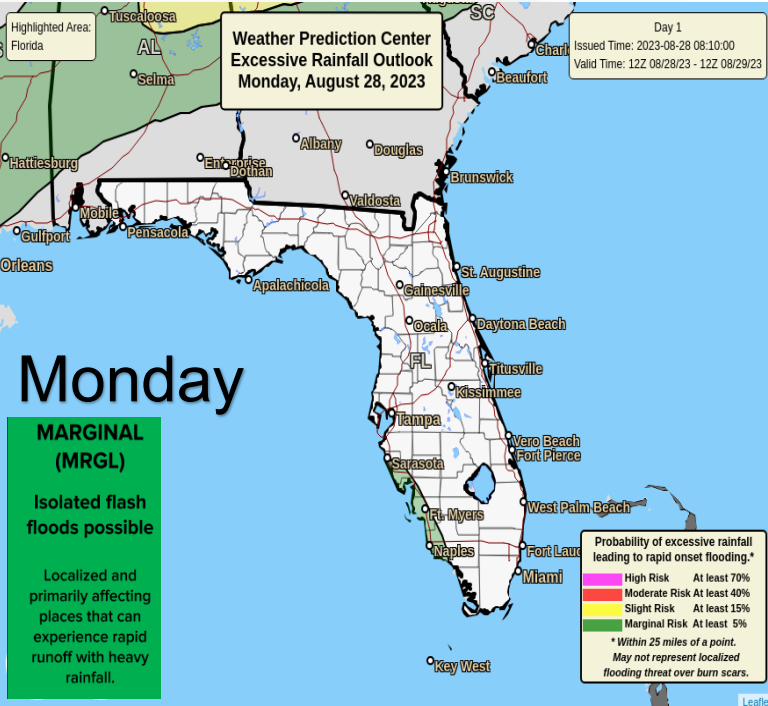


Exact rainfall amounts will be track-dependent, but there is the potential for heavy rainfall amounts of 4-8", with the higher amounts to the right of the track of the system. Isolated locations could receive up to 12" of rain from this system, with coastal portions of the Florida West Coast and Big Bend being the most at risk for these higher amounts.



Flash Flood Outlook – Mon, Tue, Wed

From the Weather Prediction Center



As tropical moisture begins to move north south to north, there is a **Marginal Risk for Flash Flooding (level 1 of 4)** across the far Southwest Florida coastline. As Idalia moves over the eastern Gulf of Mexico, there is now a **Moderate Risk for Flash Flooding (level 3 of 4)** along the Florida Big Bend, with a **Slight Risk (level 2 of 4)** extending through much of North and West Florida. As Idalia propagates inland, a **Moderate Risk (level 3 of 4)** can be expected to expand over the Suwannee River Valley and Northeast Florida, especially for locations along and east of Idalia's path.



Severe Weather Outlook – Tues. & Wed.

From the Storm Prediction Center

5 - High
Widespread severe storms expected

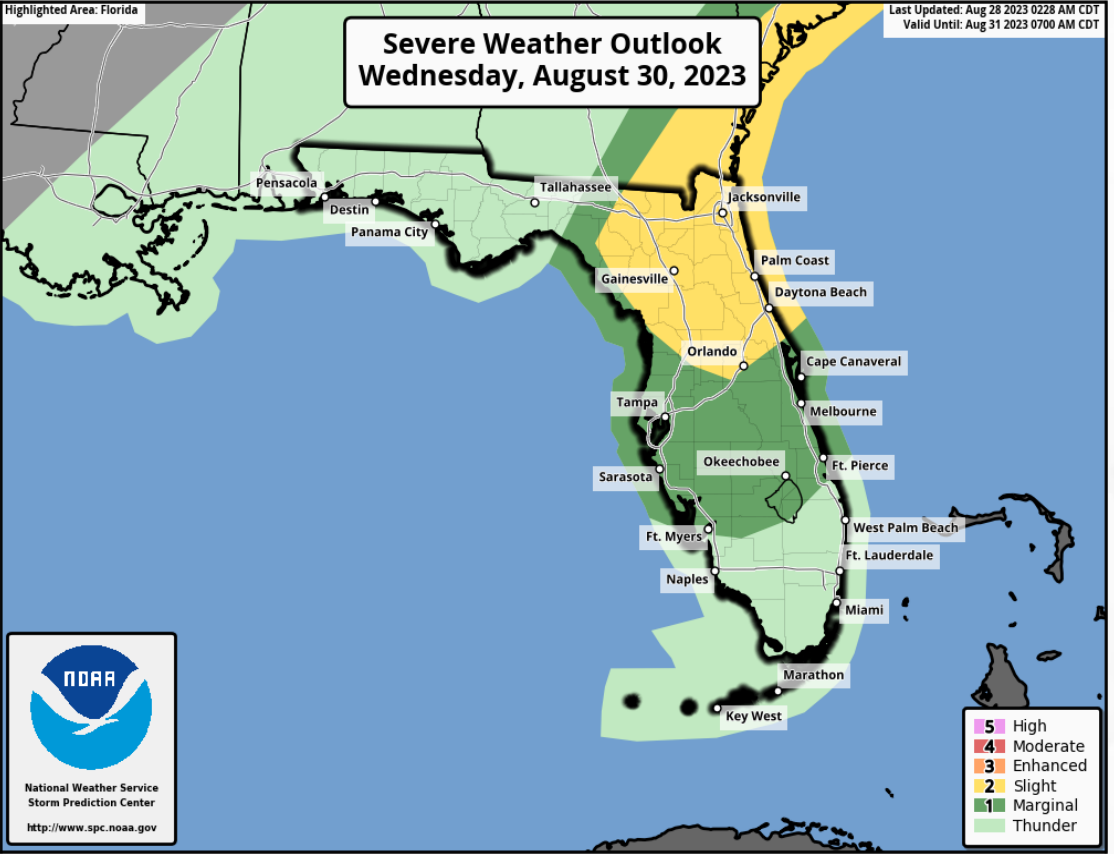
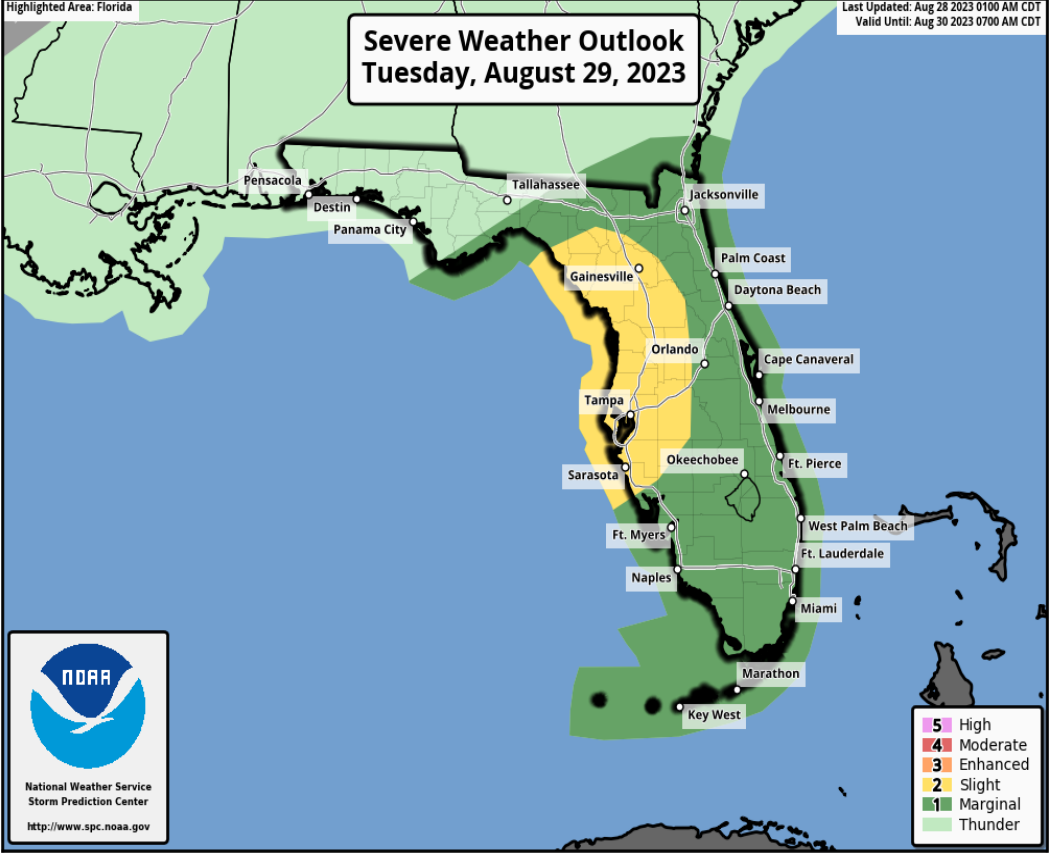
4 - Moderate
Widespread severe storms likely

3 - Enhanced
Numerous severe storms possible

2 - Slight
Scattered severe storms possible

1 - Marginal
Isolated severe storms possible

Thunderstorms
No severe storms expected



A **Slight Risk for Severe Weather (level 2 of 5)** has been introduced Tuesday night into Wednesday morning along the Florida Gulf Coast as isolated tropical tornadoes may be embedded within Idalia's outer rain bands as the system approaches the Florida coastline. The **Marginal Risk (level 1 of 5)** has been expanded to include more of the Florida Peninsula and Florida Keys through the Tuesday morning hours. A **Slight Risk (level 2 of 5)** will continue Wednesday over the Suwannee River Valley into Northeast Florida, as Idalia advances northeastward.



Elevated Rip Current Risk

Panhandle & East Coast Beaches



A **moderate to high risk of rip currents** will largely continue along Florida East Coast and Panhandle beaches through midweek. Elevated long-period swell from distant Hurricane Franklin and approaching Tropical Storm Idalia will lead to dangerous beach and boating conditions along all Florida beaches by Monday evening. A **moderate to high risk of rip currents** can be expected to continue through Thursday, at least.



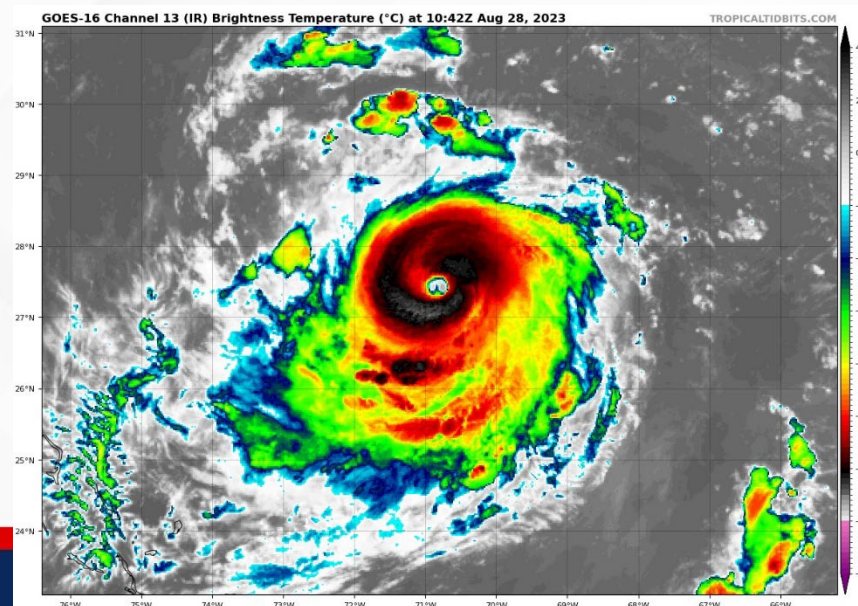
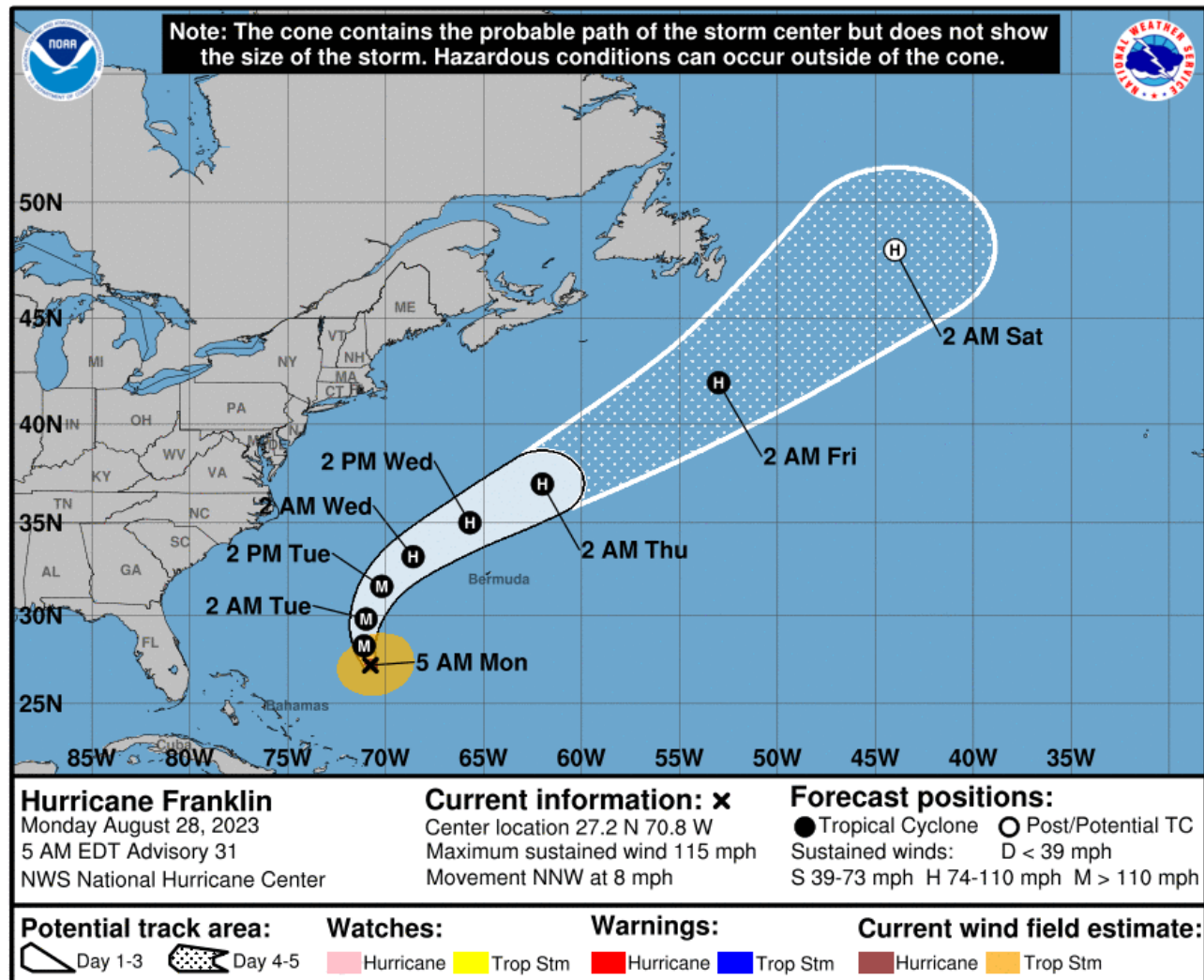
Forecast Cone

Major Hurricane Franklin ([LINK](#))

- **Location:** 395 miles N of Grand Turk Island; 625 mi E Miami
- **Maximum Sustained Winds:** 115 mph; Category 3
- **Current Movement:** NNW at 8 mph
- **FL Watches/Warnings:** None

A gradual turn toward the north and north-northeast with a slightly faster forward speed is expected during the next couple of days. Maximum sustained winds have increased near 115 mph, making Franklin the first major hurricane of the season. Some additional strengthening is forecast today, but gradual weakening is expected to begin by Tuesday afternoon.

Franklin poses no direct threat to Florida; however, and elevated risk of rip currents and wave heights will be possible along Atlantic Coast beaches over the next several days.





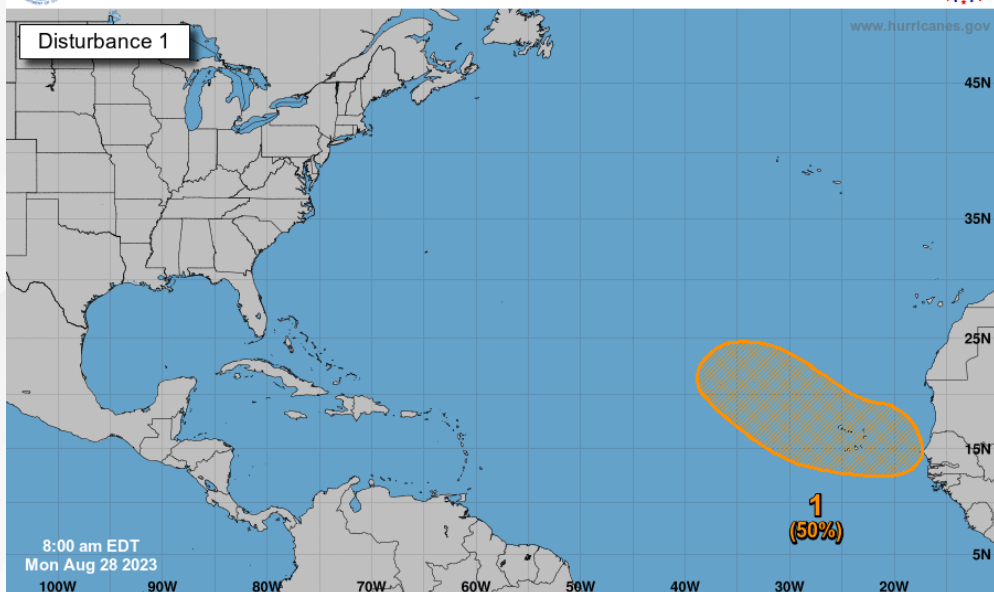
Tropical Weather Outlook

Disturbance 1 – Eastern Tropical Atlantic ([LINK](#))



Seven-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



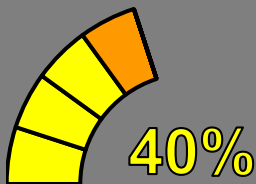
Current Disturbances and Seven-Day Cyclone Formation Chance: ✕ < 40% ✕ 40-60% ✕ > 60%

Tropical or Sub-Tropical Cyclone: ○ Depression ● Storm ● Hurricane

○ Post-Tropical Cyclone or Remnants

Near 0%

48 Hour Formation



7 Day Formation

A tropical wave is forecast to move off the west coast of Africa in the next day or so. Environmental conditions appear marginally favorable for gradual development of this system, and a tropical depression could form later this week while the system moves westward or west-northwestward across the eastern tropical Atlantic.

This system poses no threat to Florida at this time.

- * Formation chance through 48 hours...**low...near 0%.**
- * Formation chance through 7 days...**medium...40%.**



Summary

Tropical Storm Idalia:

- As of 8:00 AM EDT, Idalia is located about 375 miles southwest of Key West, Florida and is now moving northward near 7 mph.
- A northward motion is expected through tonight, followed by a fast north-northeast motion on Tuesday and Wednesday.
- On the forecast track, the center of Idalia is forecast to pass near or over western Cuba tonight, over the extreme southeastern Gulf of Mexico by early Tuesday, and reach the Gulf Coast of Florida on Wednesday.
- Maximum sustained winds are near 65 mph. Idalia is forecast to become a hurricane later today and a major hurricane over the northeastern Gulf of Mexico by early Wednesday.
- Computer models indicate Idalia will continue to strengthen as it moves over the warm waters of the eastern Gulf of Mexico, before making landfall along the Florida Big Bend or Nature Coast Wednesday morning.
- Wind and Storm Surge Watches are in effect along the Florida Gulf Coast, and these will likely be upgraded to Warnings later today.

Major Hurricane Franklin:

- As of 5:00 AM EDT Monday, Hurricane Franklin has strengthened into the first Major Hurricane of the 2023 Season with maximum sustained winds near 115 mph.
- A gradual turn toward the north and north-northeast with a slightly faster forward speed is expected during the next couple of days.
- Some additional strengthening is forecast today, but gradual weakening is expected to begin by Tuesday afternoon.
- *Franklin poses no direct threat to Florida; however, long-period ocean swells and an elevated risk for rip currents can be anticipated along Florida East Coast beaches.*

Eastern Tropical Atlantic:

- A tropical wave is forecast to move off the west coast of Africa in the next day or so. Environmental conditions appear marginally favorable for gradual development of this system, and a tropical depression could form later this week while the system moves westward or west-northwestward across the eastern tropical Atlantic.
- There is a 40% (medium) chance of development over the next 7 days.
- *This system poses no threat to Florida at this time.*

The next briefing package will be issued on Monday afternoon. For the latest information, please visit the [National Hurricane Center website](#).



Summary

Florida Outlook:

- **Hurricane Watches** are in effect for Sarasota, Manatee, Hillsborough, Pinellas, Pasco, Hernando, Citrus, Sumter, western Marion, Levy, Alachua, Union, Bradford, Baker, Columbia, Hamilton, Suwannee, Gilchrist, Dixie, Lafayette, Taylor, Madison, coastal Jefferson, coastal Wakulla, and coastal Franklin Counties.
- A **Tropical Storm Warning** is in effect for the Dry Tortugas (Monroe).
- **Tropical Storm Watches** are in effect for Leon, inland Wakulla, inland Jefferson, Lake, Seminole, Orange, Osceola, Polk, Hardee, DeSoto, Charlotte, Lee, Collier, and the Lower Florida Keys.
- **Storm Surge Watches** are in effect from the Collier/Monro County border to the Franklin/Gulf County border, including Tampa Bay.
- Watches will likely be upgraded to Warnings later today.
- Tropical storm-force wind probabilities continue to increase along the Florida West Coast, with tropical impacts beginning as early as Tuesday morning in Southwest Florida.
- The most likely timeframe for deteriorating conditions across the state will be Tuesday evening and overnight from south to north along the Florida Gulf Coast, and early Wednesday morning across Northeast Florida.
- While there remains some degree of disagreement regarding Idalia's overall intensity, computer models are in agreement that the system will continue to strengthen today, becoming a hurricane later today near the western tip of Cuba.
- Computer models show Idalia will continue to intensify over the warm eastern Gulf of Mexico waters through landfall, becoming a major hurricane by late Tuesday night or early Wednesday morning.
- Storm surge values reaching 7-11' will be possible from the Aucilla River to Chassahowitzka, 6-9' from Chassahowitzka to the Anclote River, 4-7' from the Ochlockonee River to the Aucilla River and Tampa Bay.
- Storm surge will also be possible southward along the Florida Gulf Coast from Englewood through Charlotte Harbor, and the Florida Keys.
- A Slight Risk for Severe Weather (level 2 of 5) has been introduced Tuesday night into Wednesday morning along the Florida Gulf Coast as isolated tropical tornadoes may be embedded within Idalia's outer rain bands as the system approaches the Florida coastline.
- The Marginal Risk (level 1 of 5) has been expanded to include more of the Florida Peninsula and Florida Keys through the Tuesday morning hours. A Slight Risk (level 2 of 5) will continue Wednesday over the Suwannee River Valley into Northeast Florida, as Idalia advances northeastward.
- As Idalia moves over the eastern Gulf of Mexico, there is now a Moderate Risk for Flash Flooding (level 3 of 4) along the Florida Big Bend, with a Slight Risk (level 2 of 4) extending through much of North and West Florida. As Idalia propagates inland, a Moderate Risk (level 3 of 4) can be expected to expand over the Suwannee River Valley and Northeast Florida, especially for locations along and east of Idalia's path.

The next briefing package will be issued on Monday afternoon. For the latest information, please visit the [National Hurricane Center website](#).



Tropical Update



Created by:

Caitlyn Gillespie, Deputy State Meteorologist

Caitlyn.Gillespie@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

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