



# TROPICAL UPDATE



5:00 PM EDT

Saturday, August 28, 2021

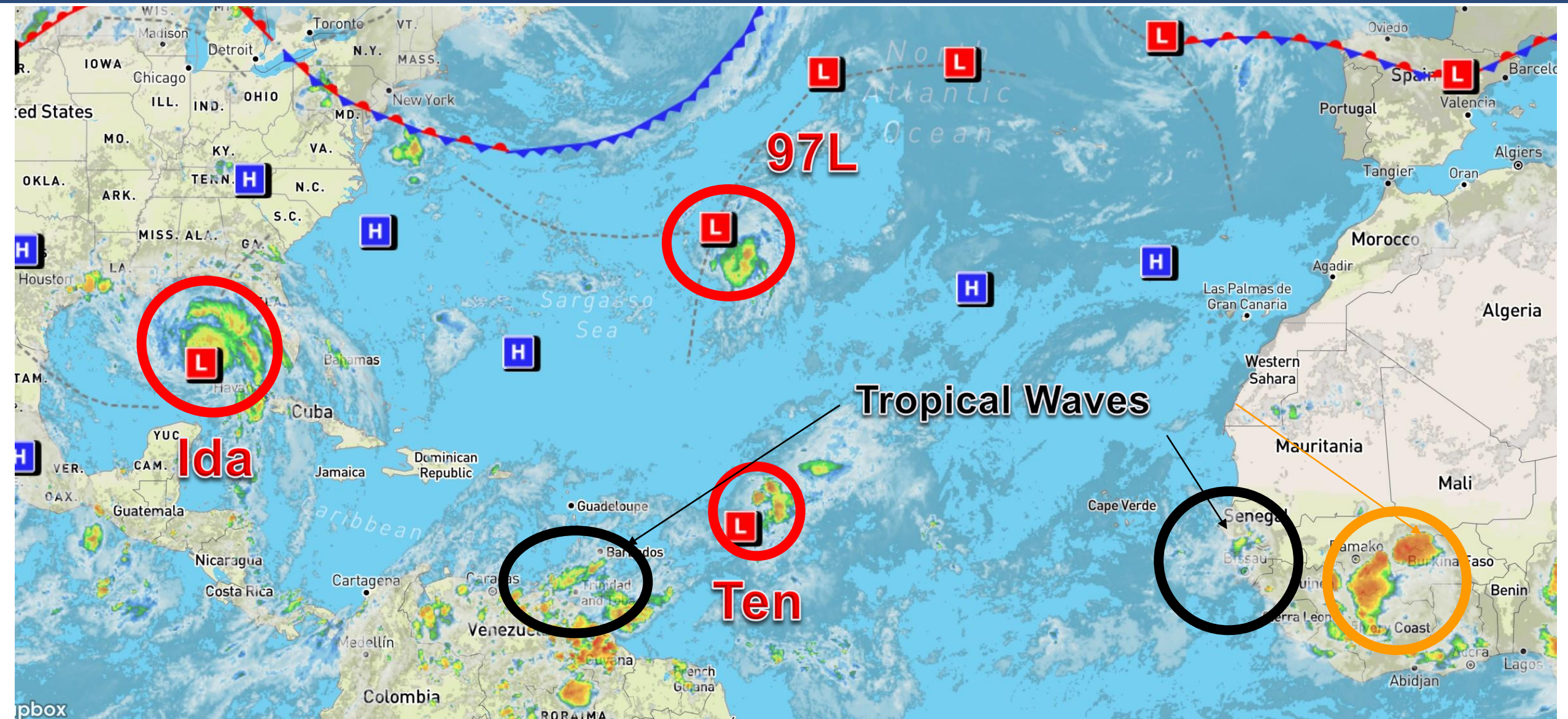
Hurricane Ida, Tropical Depression Ten, Invest  
97L (80%), & the Next Tropical Wave (60%)

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](http://www.hurricanes.gov).



# Atlantic Basin Satellite Image

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



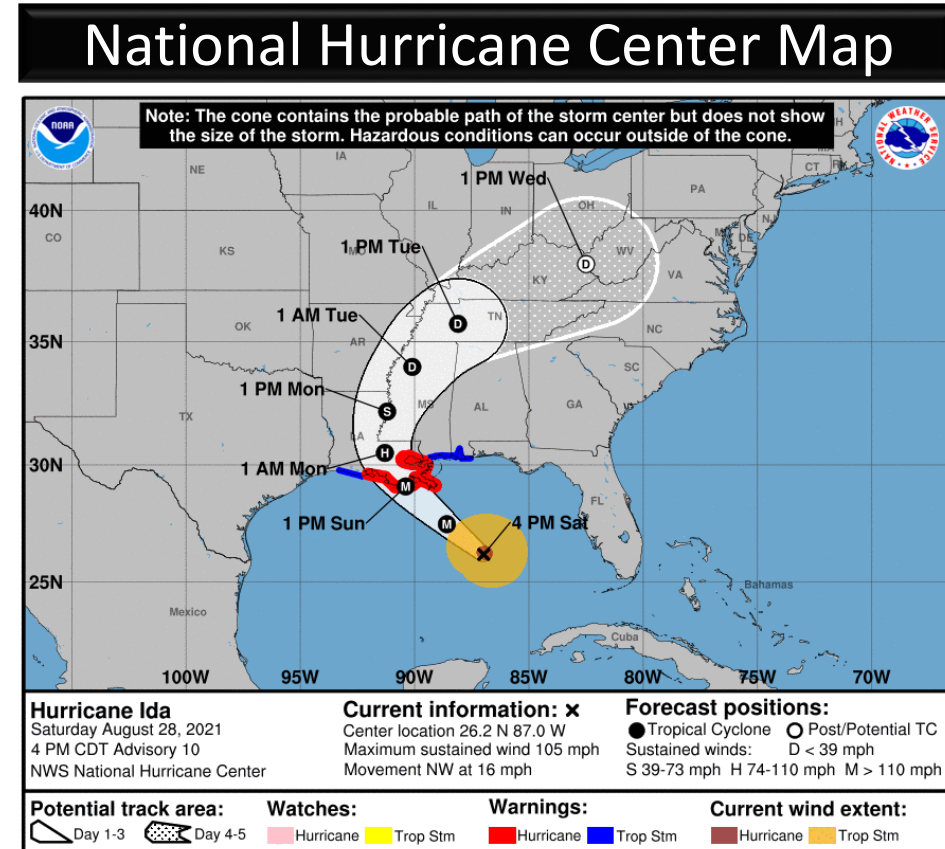




# Hurricane Ida

5 PM ET Saturday: Florida Threats & Changes Since Last Packet

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



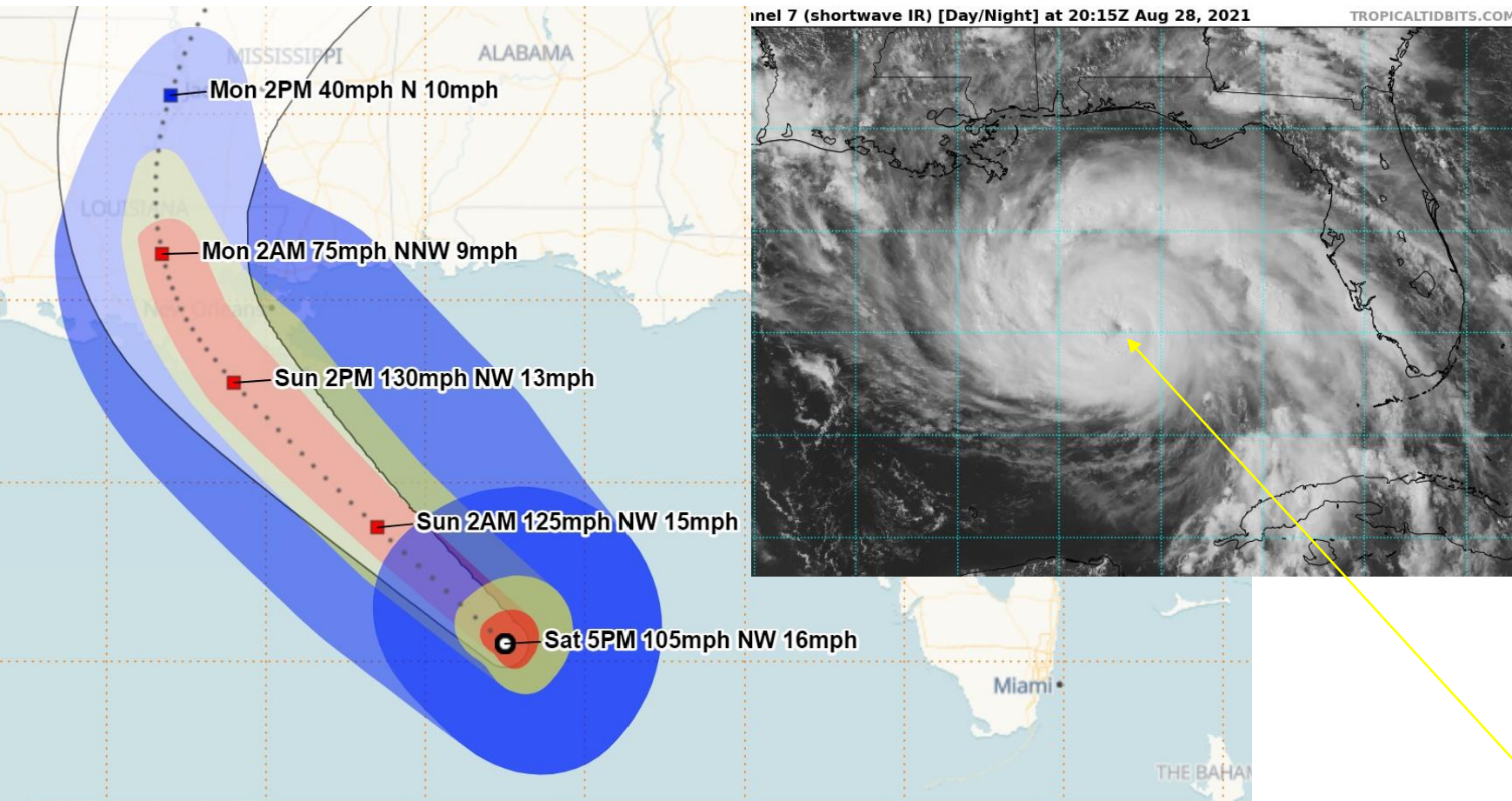
## Overview/Recent Changes:

Ida rapidly strengthening in the Gulf of Mexico- winds now up to 105 mph.  
No change to the forecast! No changes to any of the watches, warnings, or advisories for Florida.  
Flash flooding, a few tornadoes, and dangerous rip currents the main hazards to the Florida Panhandle.



# Official Forecast Track

## From the National Hurricane Center



- **Location:** 275 miles southeast of New Orleans, LA; 250 miles south of Pensacola, Florida.
- **Maximum sustained winds:** 105 mph.
- **Movement:** NW at 16 mph, and this general motion should continue over the next 36 hours, followed by a turn to the north and northeast on Monday once inland.
- **Forecast:** Ida is forecast to rapidly intensify, becoming a Category 4 hurricane by the time it approaches the Louisiana coast on Sunday evening.
- Ida has formed a well-defined eye, and continues to grow and organize as a hurricane.

### HURRICANE IDA - Saturday, August 28, 2021 5PM EDT Advisory #10

● Center Location: 26.2 N 87.0 W Maximum Sustained Winds: 105 mph (Cat 2) Movement: 16 mph NW

Potential Track Area: ☞ 1-3 day ☞ 4-5 day Wind Field: ☞ along 3-day forecast track ● at current location

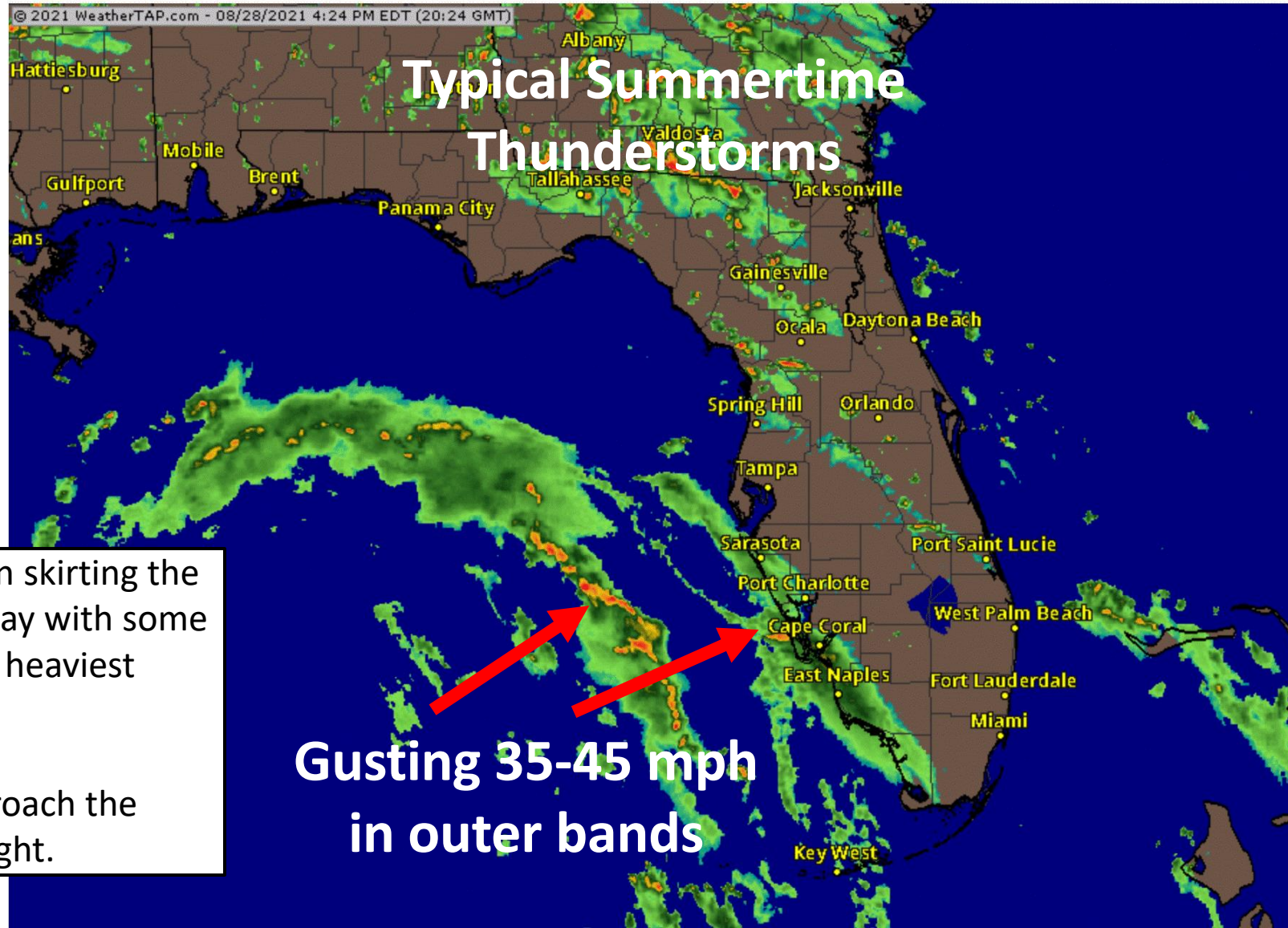
Sustained Wind Speed: ■ tropical storm >= 34kt/39mph ■ strong tropical storm >= 50kt/58mph ■ hurricane >= 64kt/74mph





# Current Florida Radar

As of 4:30 PM ET





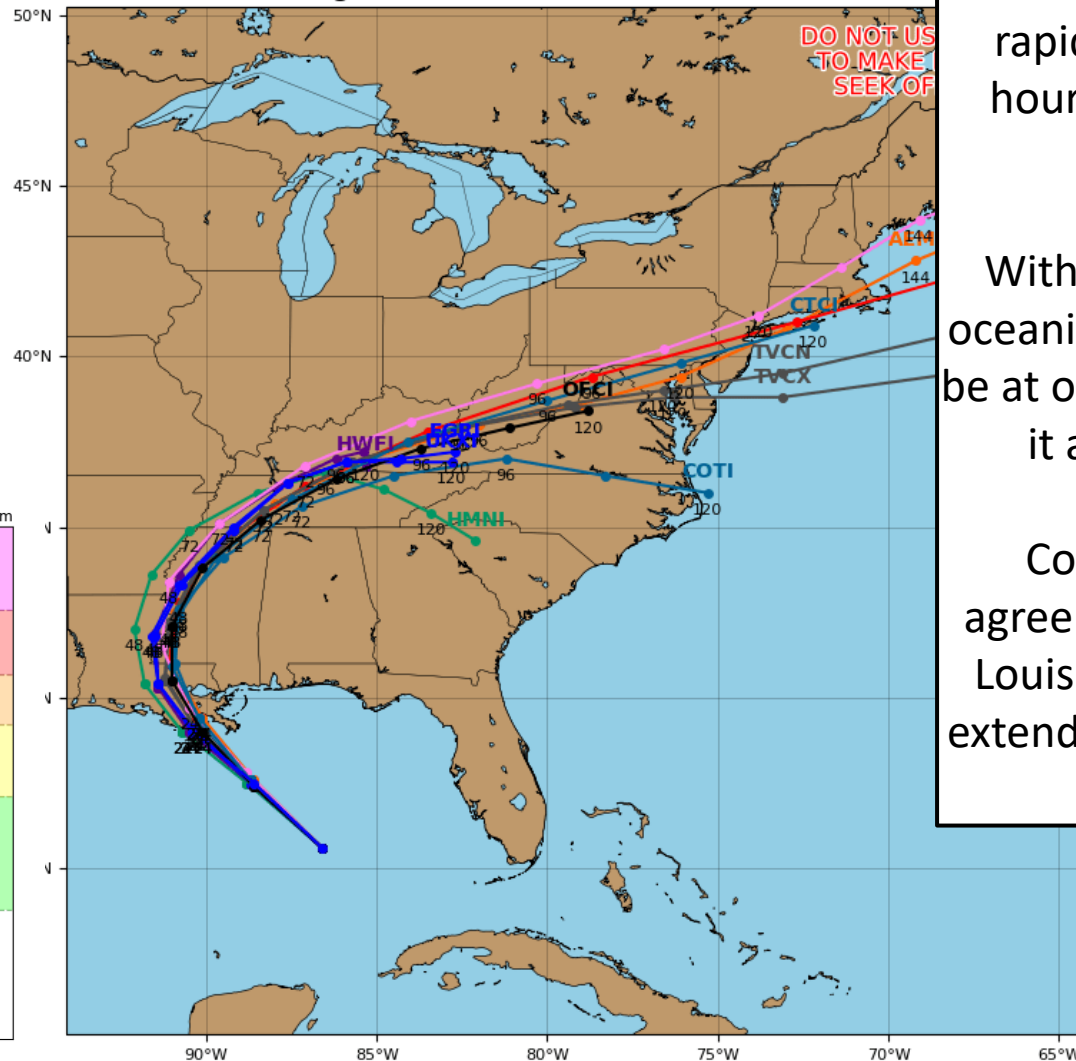
# Model Forecast Tracks & Intensity

## Dynamical and Statistical Models – Hurricane Ida

### Hurricane IDA Model Track Guidance

Initialized at 18z Aug 28 2021

Levi Cowan - tropicaltidbits.com



Many computer models are indicating rapid intensification over the next 24 hours as Ida travels across the Gulf of Mexico.

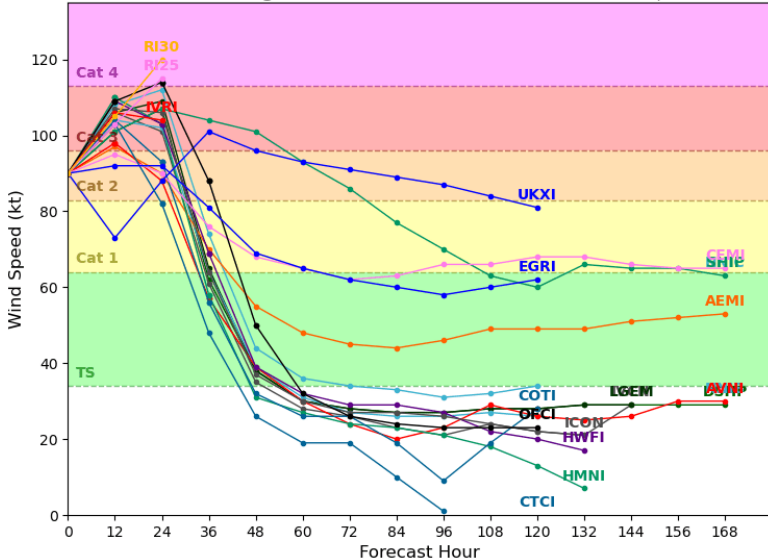
With very conducive atmospheric and oceanic conditions in place, Ida is likely to be at or near a Category 4 hurricane when it approaches the U.S. Gulf Coast.

Computer models remain in good agreement on a landfall in southeastern Louisiana in 24 hours, but impacts may extend hundreds of miles from where the storm makes landfall.

### Hurricane IDA Model Intensity Guidance

Initialized at 18z Aug 28 2021

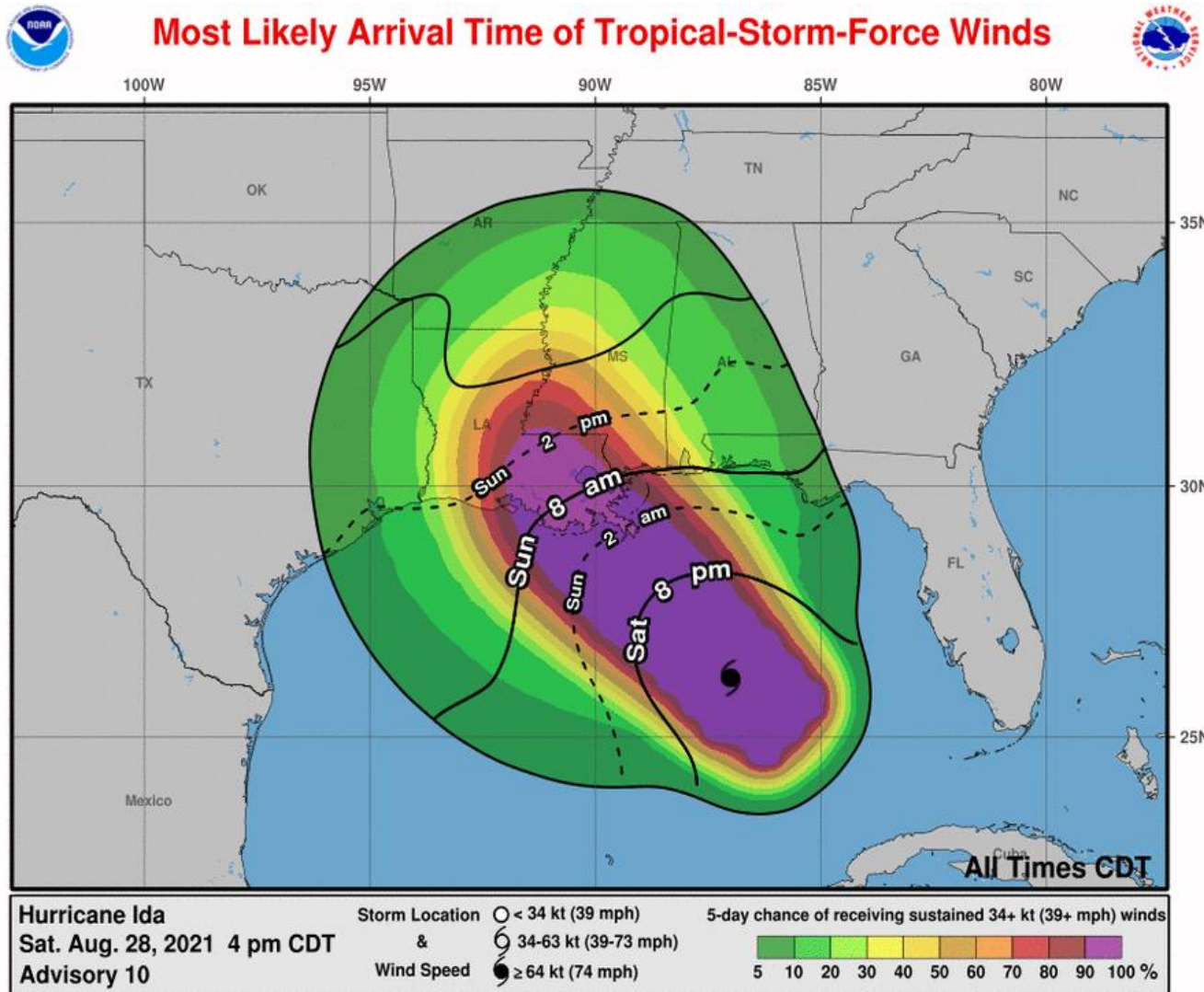
Levi Cowan - tropicaltidbits.com





# Time of Arrival & Wind Speed Probabilities

## Most Likely Time of Arrival of Tropical Storm Force Winds (>39 mph)



City	Chance for TS Winds	Changes Since Last Packet
Apalachicola	9%	+1%
Panama City	10%	-1%
Destin	13%	-1%
Pensacola	19%	-4%

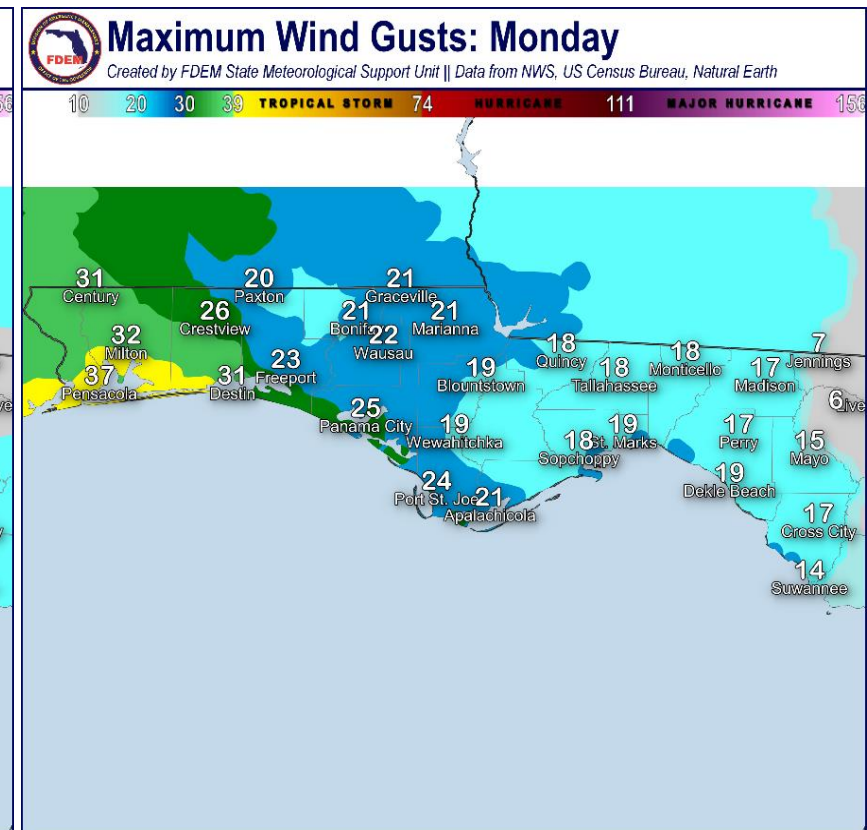
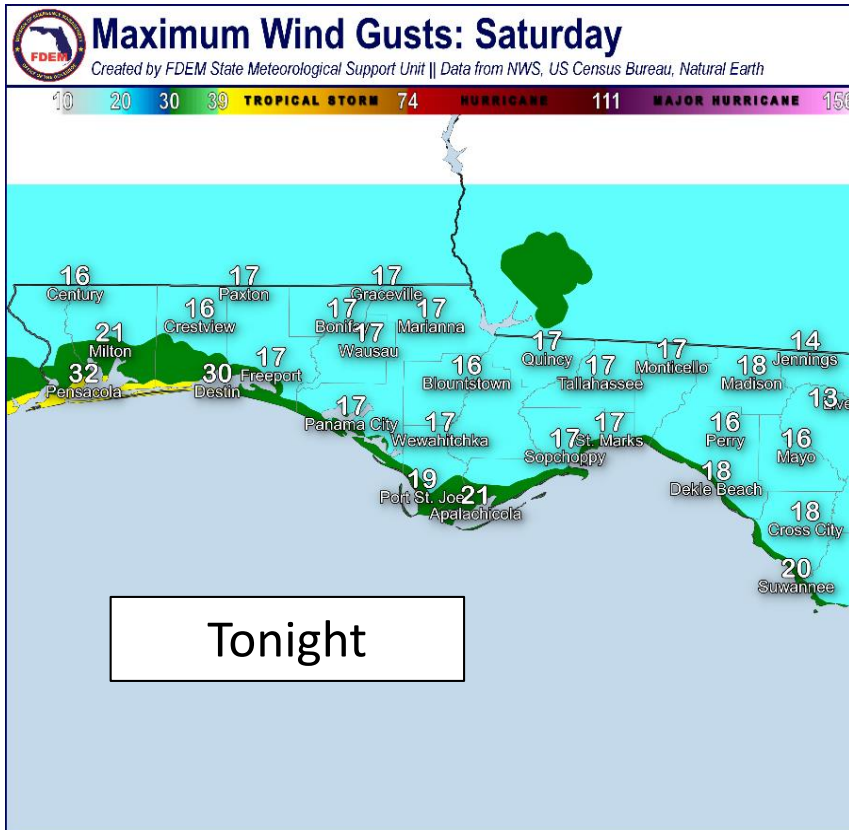
The chance for sustained tropical storm force winds in Florida has decreased, but there is still a 20% or 1 in 5 chance of tropical storm force winds near the Florida/Alabama state line. However, breezy conditions of 20-35mph are still expected on Sunday and Monday along the western Panhandle coast.





# NWS Forecast Wind Gusts

\*\*\*Exact wind gusts will vary in time, magnitude, and location\*\*\*



Winds will begin increasing tonight as Ida approaches the northern Gulf Coast. The wind field is also expected to expand on the eastern side. This may result in some gusts to near tropical-storm-force along the coast of the western Panhandle, especially in rain bands. Gusty winds will continue into the day on Monday.

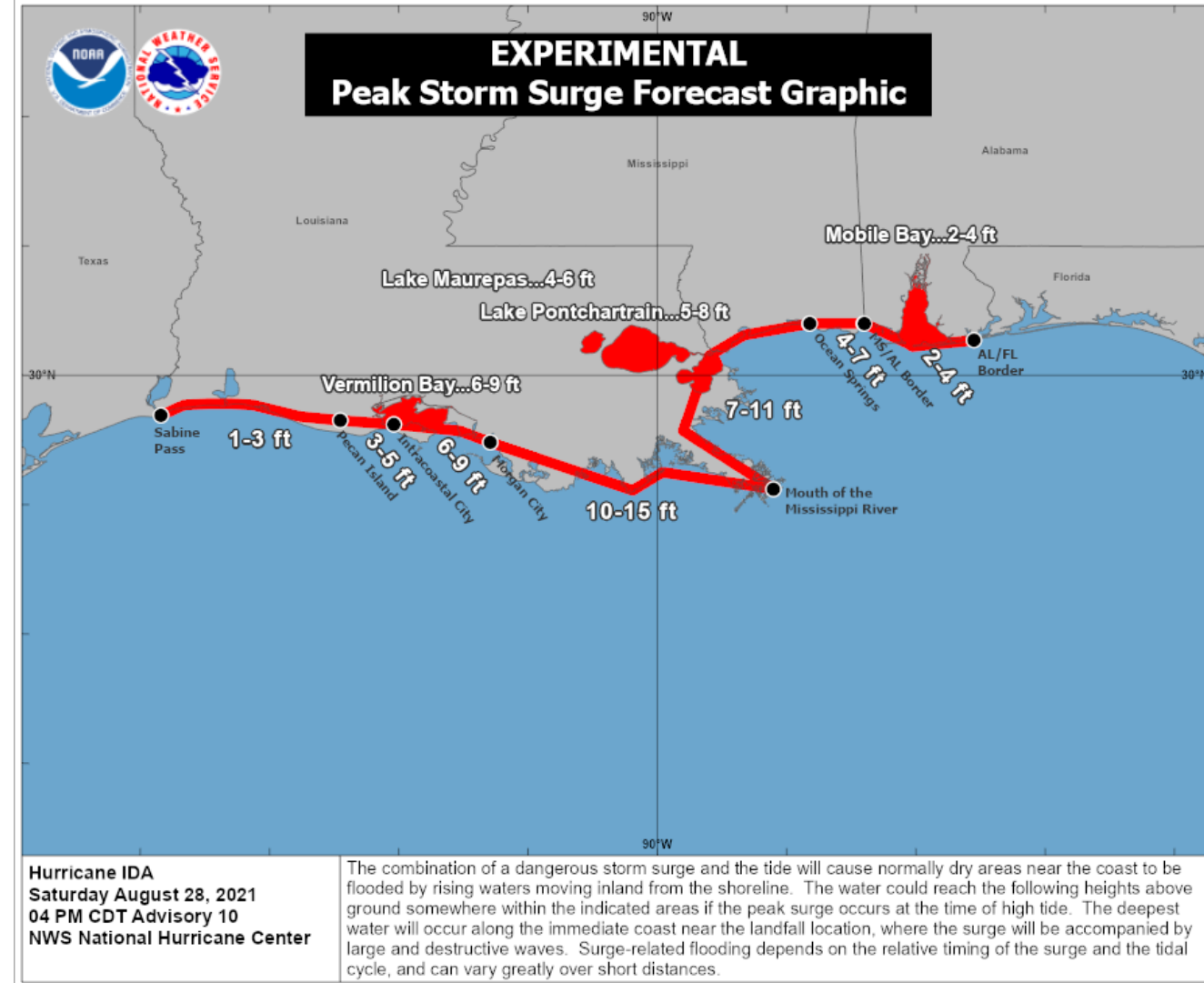
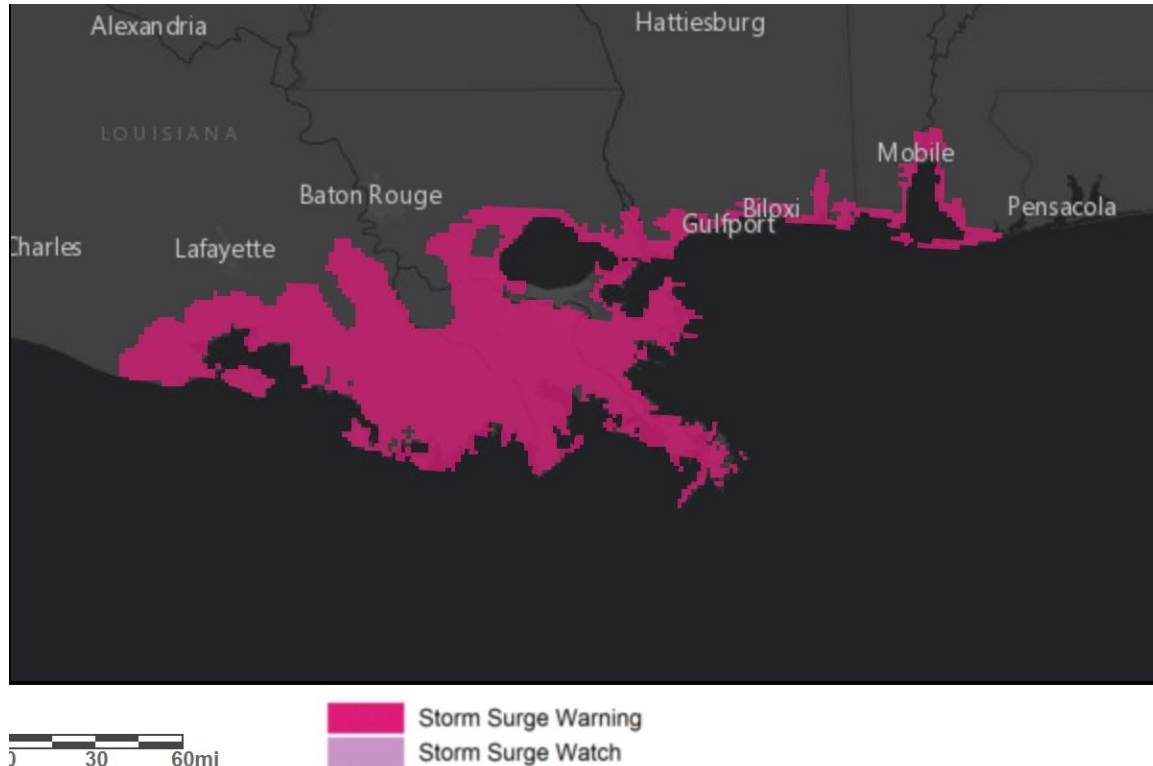




# Storm Surge Forecast

## Hurricane Ida

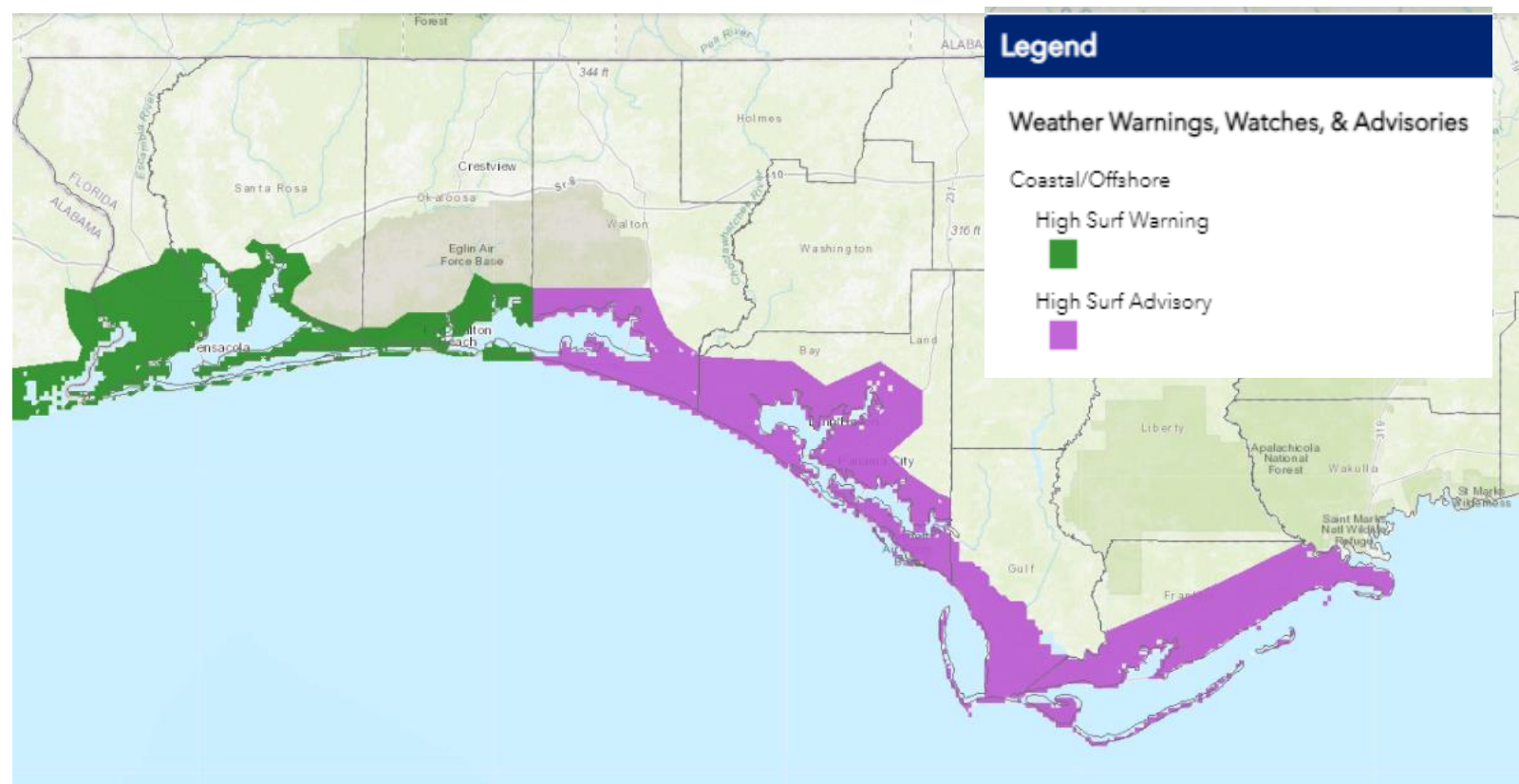
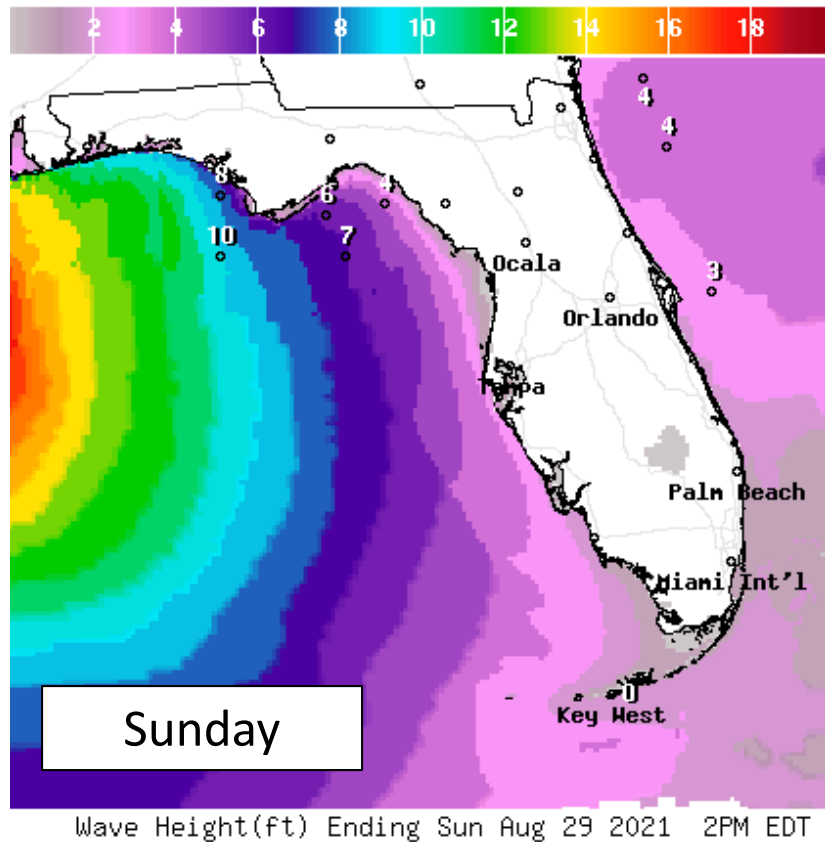
Storm Surge values of 2-4 feet are expected west of the Florida/Alabama state line, where Storm Surge Warnings are in effect. Storm surge values of 1-2 feet are possible along the Panhandle coast.





# Forecast Wave Heights

Saturday through Sunday



Surf will build along the Florida Gulf Coast today, with breaking waves up to 6-12' possible on Sunday in the Panhandle. Wave heights of 3-6' may continue into Monday. This will result in dangerous rip currents at all Gulf Coast beaches. Minor beach erosion is possible in a few locations.

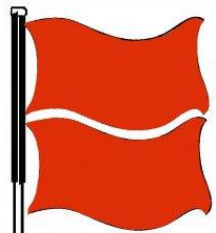




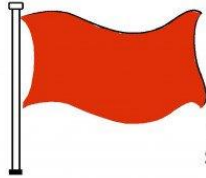
# Rip Current Outlook

Today

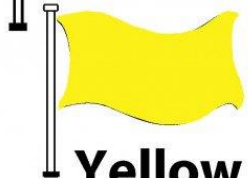
## BEACH FLAG WARNING SYSTEM



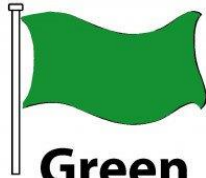
**Double Red**  
Water Closed to  
Public Use



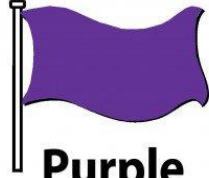
**Red**  
High Hazard  
(rough conditions,  
such as strong surf  
and or currents)



**Yellow**  
Medium Hazard  
(light surf and or  
currents)

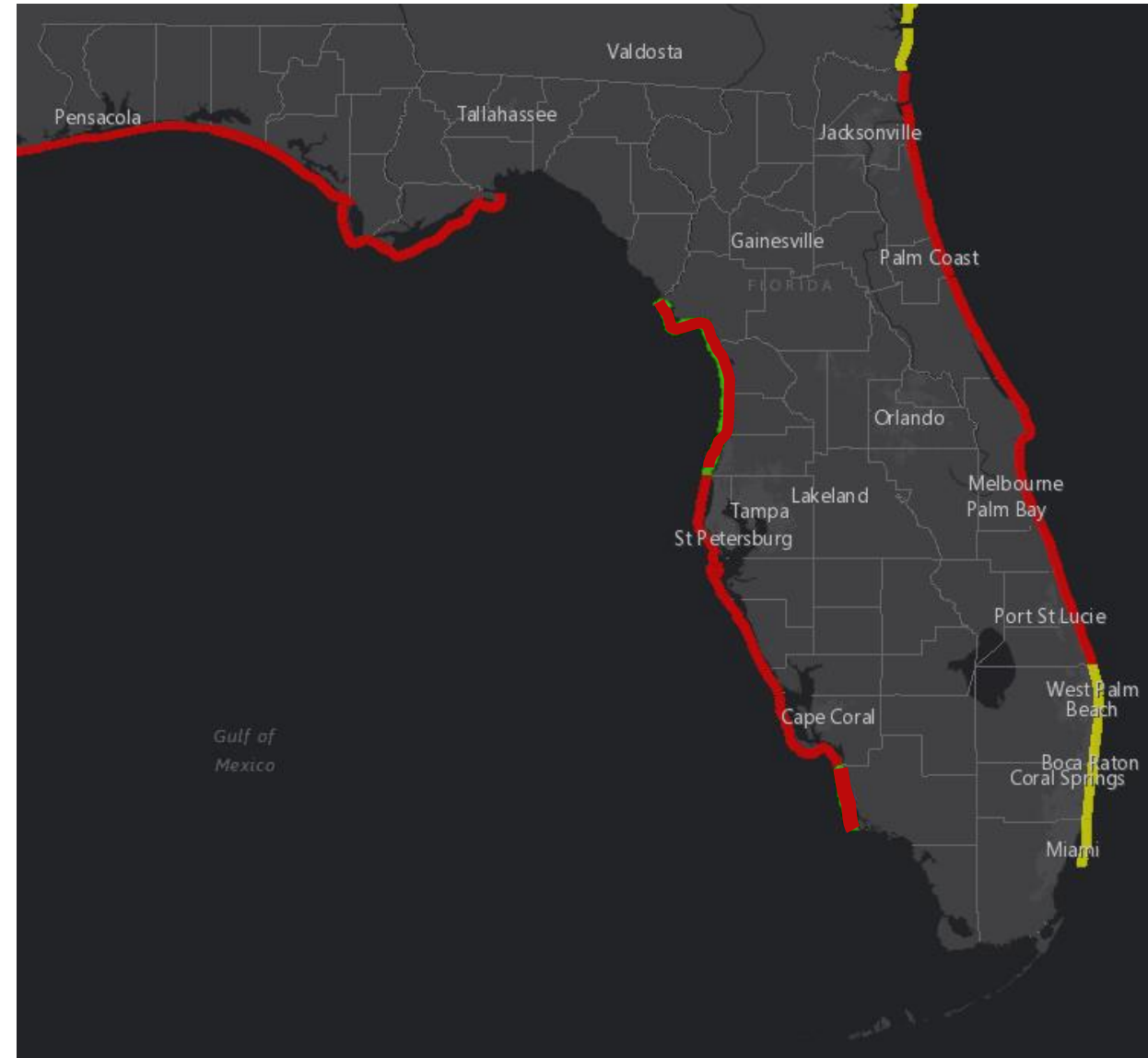


**Green**  
Low Hazard  
(calm conditions)



**Purple**  
Marine Pest  
(jellyfish, stingrays  
& dangerous fish)

A high risk of rip currents is expected at most Florida beaches today. Many Panhandle beaches have double red flags flying meaning beaches are closed!





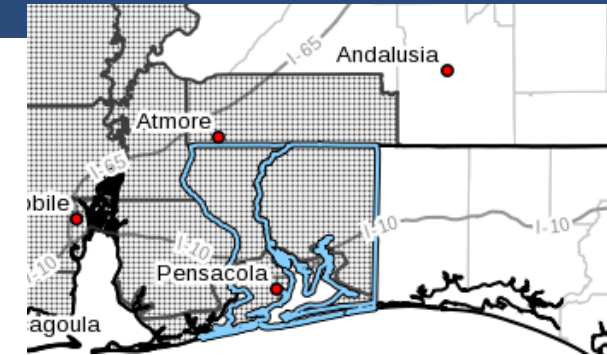
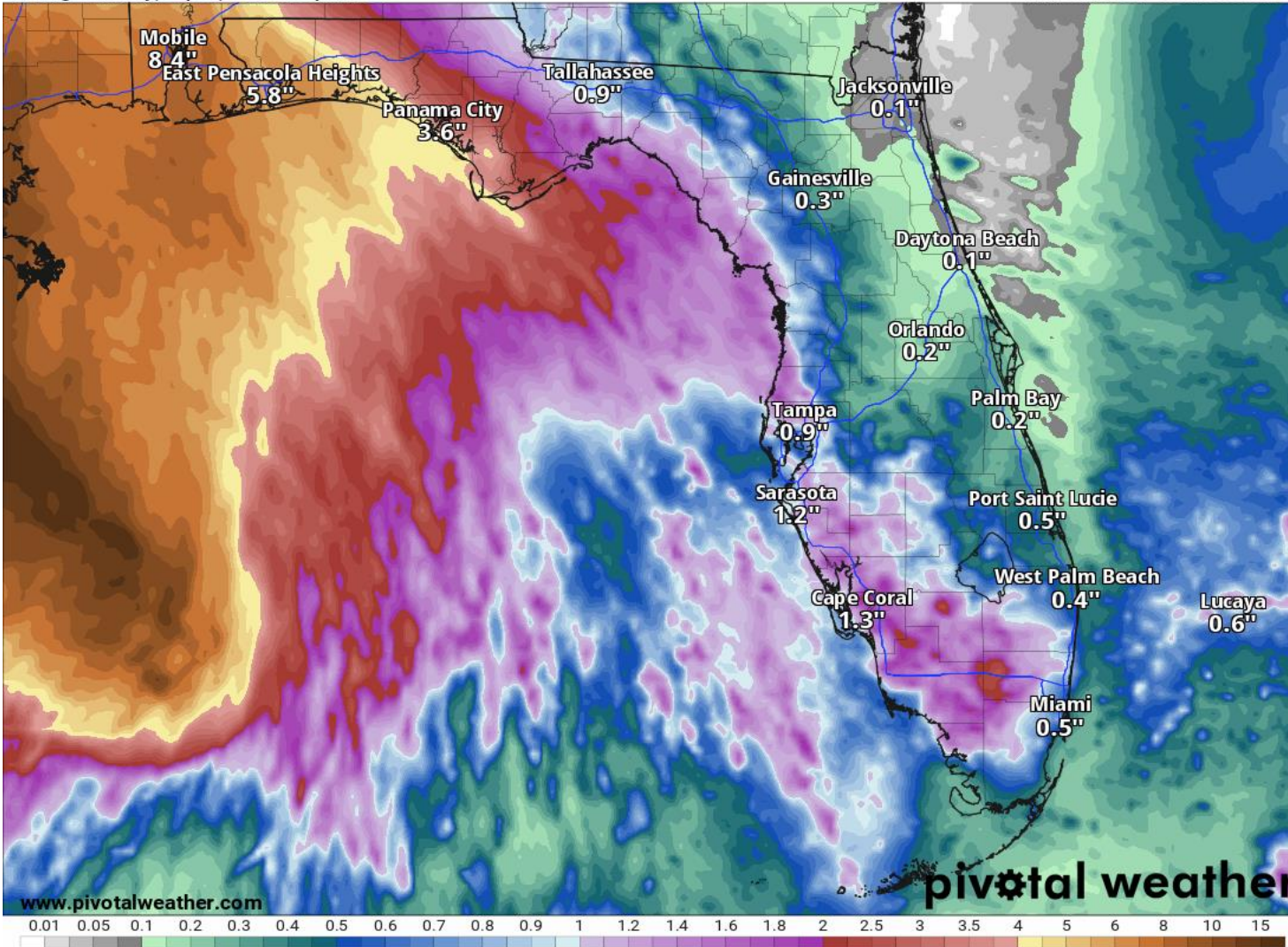
# Rainfall Totals Next 5 Days

Ending 8 PM ET Wednesday

7-Day Precipitation (in)

Ending Saturday, Sep. 4, 2021 at 8 p.m. EDT

Init: Sun 2021-08-29 00z WPC



A **Flash Flood Watch** is in effect from Sunday morning until Tuesday morning for Escambia and Santa Rosa County. 4-8" of rain is expected with localized totals up to 12".

[\(LINK\)](#)

Along the rest of the Panhandle and Big Bend, expect rainfall amounts of 2-4" with localized totals of up to 6-8" possible.

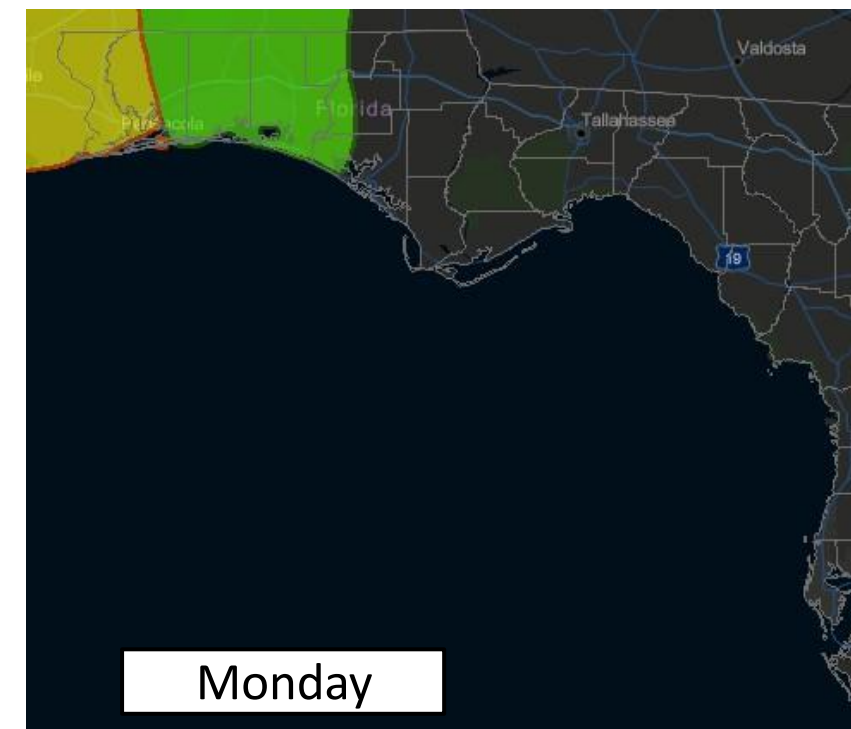
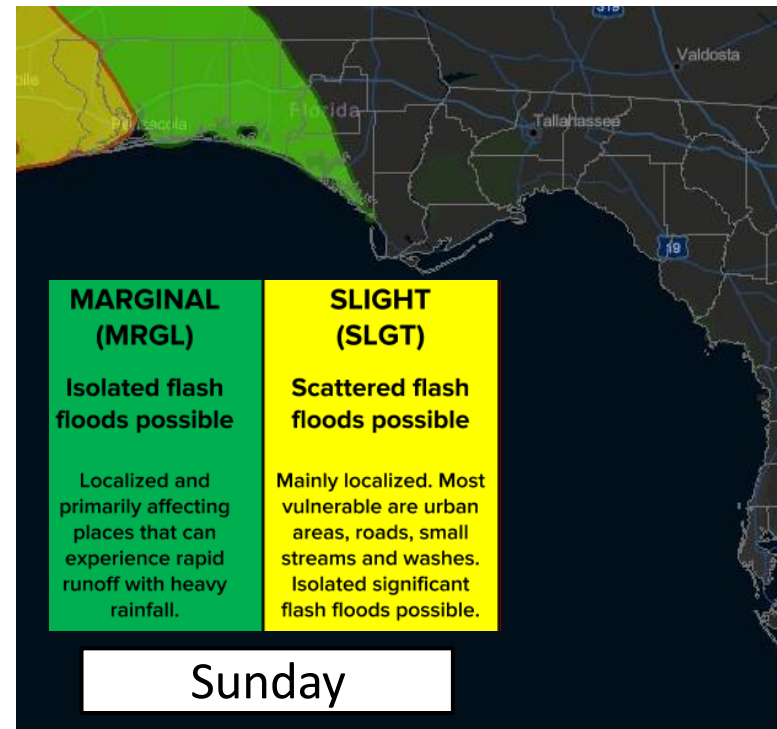
Only 1-2" of rain is forecast for the West Coast over the next few days.





# Flash Flood Risks

From the Weather Prediction Center



Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line

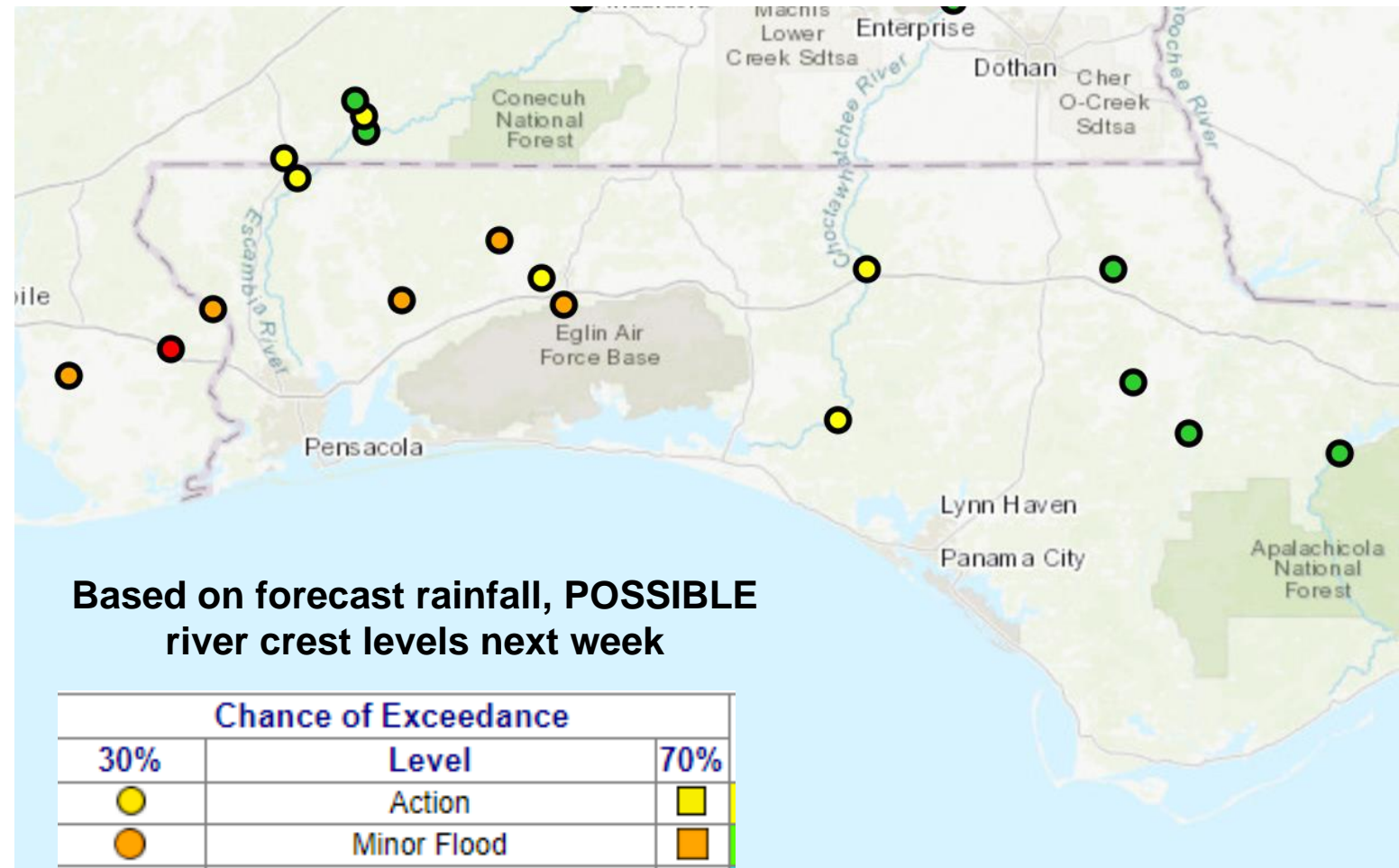
<b>HIGH: &gt; 50%</b>	<b>SLGT: 10%-20%</b>
<b>MDT: 20%-50%</b>	<b>MRGL: 5%-10%</b>

Outer rain bands could train over the same areas on Sunday and Monday as Ida moves by to the west. This could result in flash flooding and urban street flooding, especially in Pensacola.



# Possible River Flooding

Chance of River Flooding Based on Range of Forecasted Rainfall



Based on forecast rainfall, **POSSIBLE** river crest levels next week

Chance of Exceedance		
30%	Level	70%
	Action	
	Minor Flood	
	Moderate Flood	
	Major Flood	
= less than 30% chance of reaching Action level		

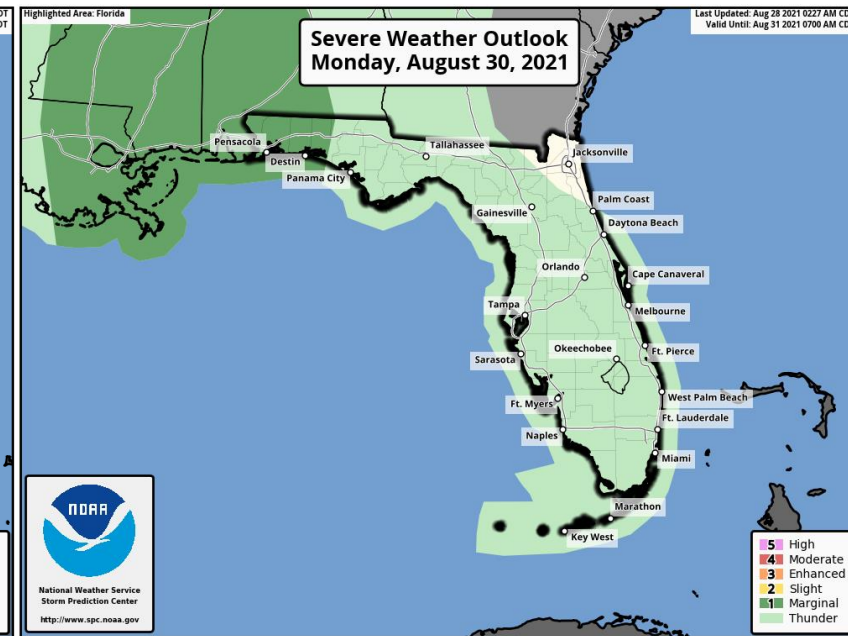
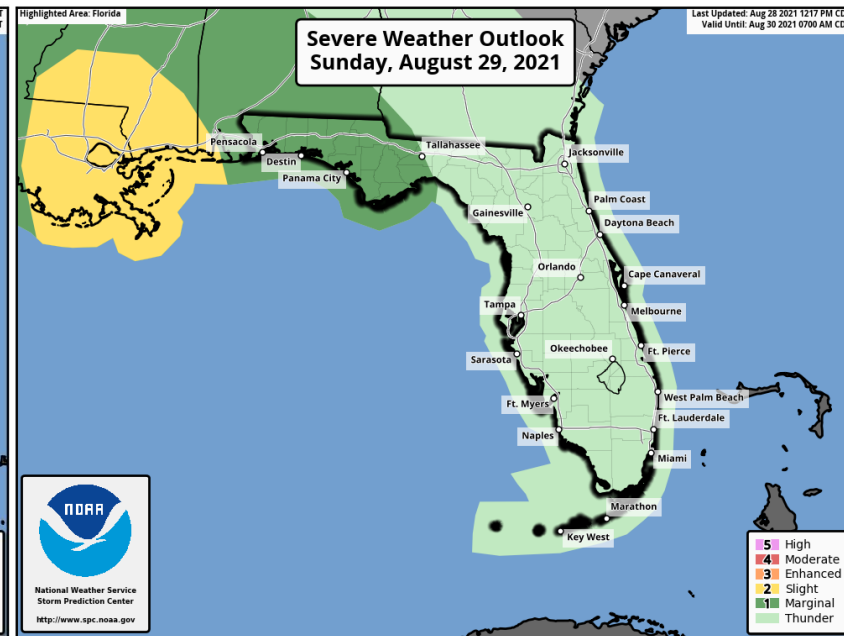
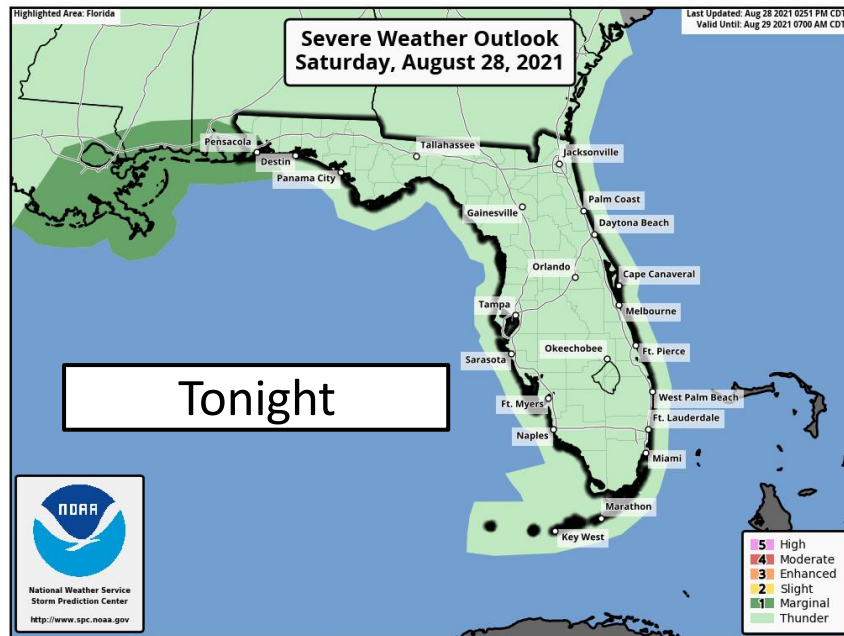
Based on current forecasts, minor river flooding is possible on some Panhandle rivers and creeks in the wake of Hurricane Ida. Specific river forecasts are available [here](#).





# Severe Weather Outlooks

## From the Storm Prediction Center



Outer rain bands from Ida may result in a few tornadoes across the Panhandle from late tonight through the day on Monday.

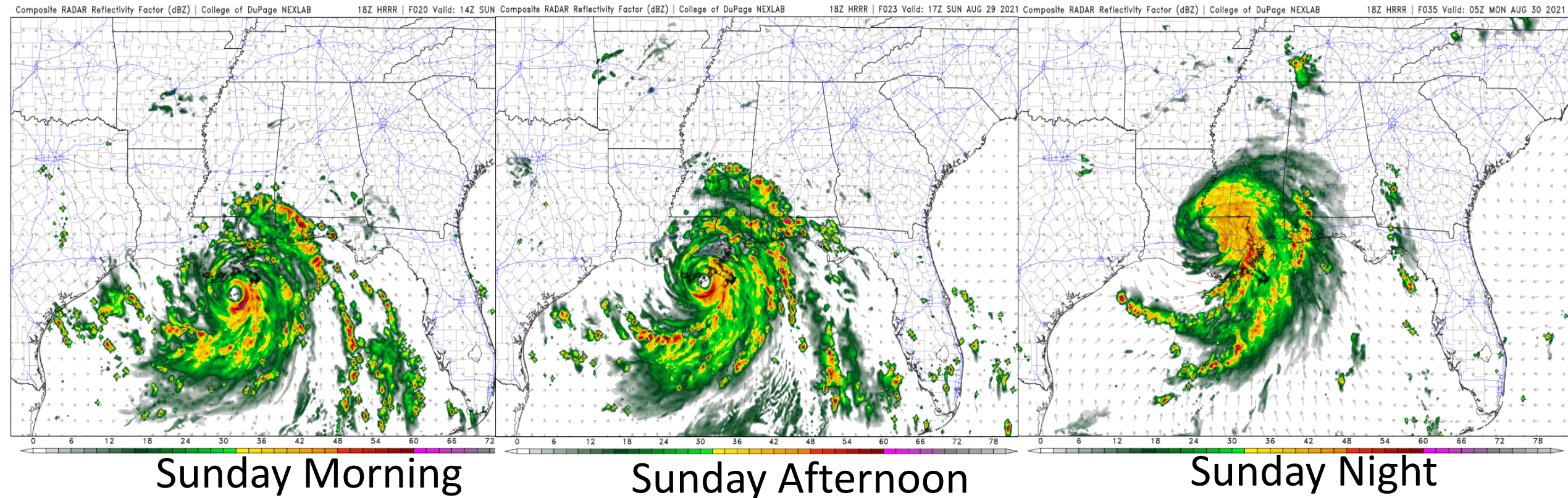
## Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with <u>all</u> thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense



# Model Forecast Radar

**\*\*\*Only Model Guidance – Time & Position Will Vary\*\*\***



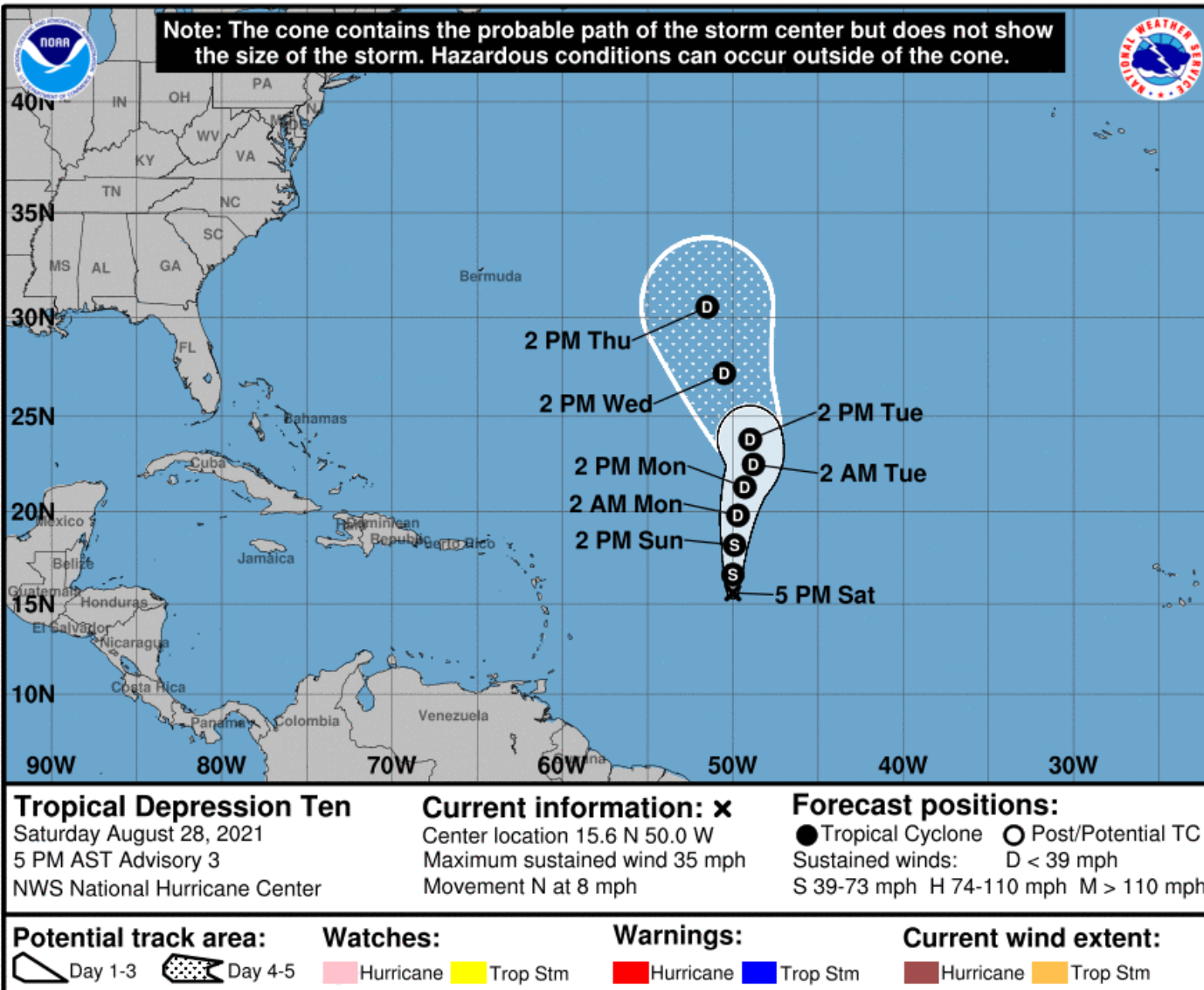
Rain bands will arrive tonight and continue throughout the day on Sunday and Monday. Isolated tornadoes are possible and if rain bands train over the same area, flash flooding could result.





# Official Forecast Track

From the National Hurricane Center




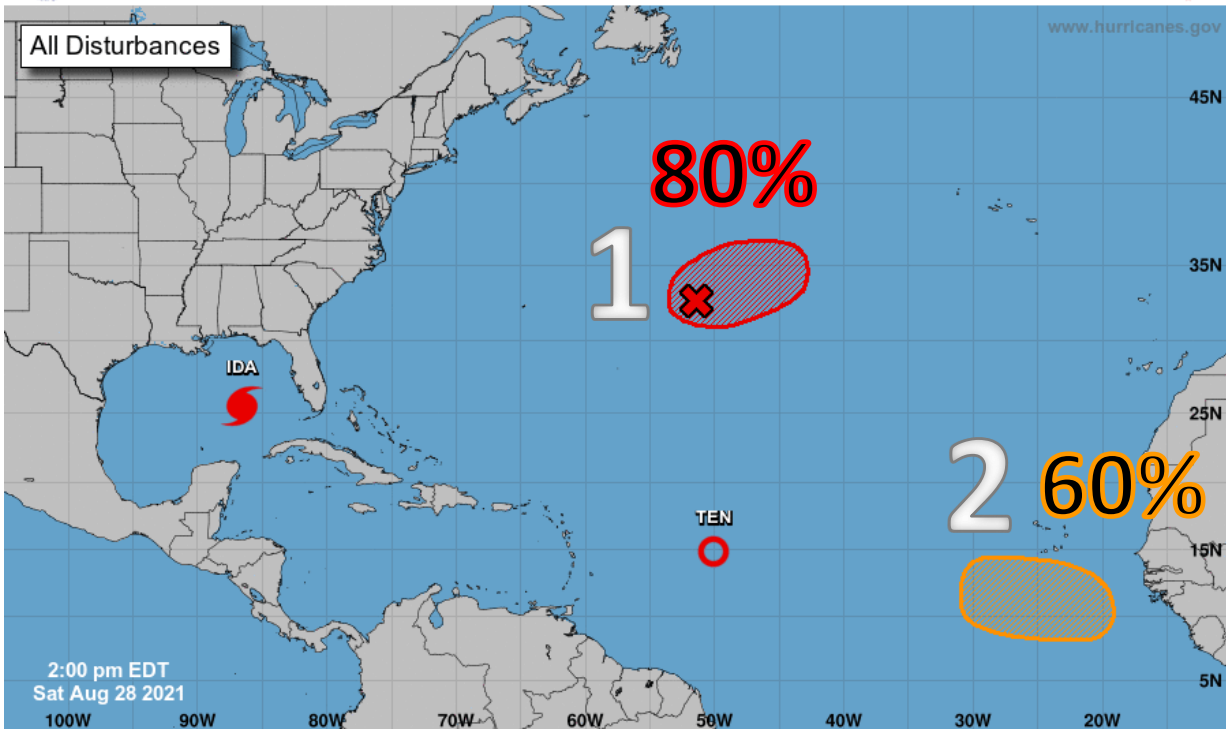
- The tropical wave that NHC had been tracking over the last few days (Invest 98L) developed into Tropical Depression 10 overnight.
- The center of Ten is located about 800 miles east of the Lesser Antilles.
- Maximum sustained winds are at 35 mph.
- Ten is moving north at 8 mph, and this general motion will continue over the next 5 days.
- Ten is forecast to strengthen into Tropical Storm Julian on Sunday, but then weaken as it moves into a less favorable environment mid-week.
- The system should dissipate by Thursday.
- This system poses no threat to Florida.



# Tropical Weather Outlook

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

 **Five-Day Graphical Tropical Weather Outlook**  
National Hurricane Center Miami, Florida



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



1. Showers and thunderstorms continue to show signs of organization in association with an area of low pressure located over the central Atlantic. In addition, satellite wind data indicate that the circulation has become a little better defined. Although environmental conditions remain only marginally conducive for further development, only a slight increase in organization would result in the formation of a tropical depression later today or tonight. In a couple of days, the system is forecast to be absorbed by a frontal system. The disturbance is expected to drift eastward through today, then accelerate northeastward Sunday toward the central north Atlantic.

**\* Formation chance through 48 hours...high...80 percent.**

**\* Formation chance through 5 days...high...80 percent.**

2. A tropical wave is expected to emerge off the coast of west Africa by the middle of next week. Thereafter, environmental conditions appear somewhat conducive for gradual development toward the end of next week as the system moves west-northwestward to northwestward at 10 to 15 mph.

**\* Formation chance through 48 hours...low...near 0 percent.**

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

**These systems pose no threat to Florida over the next 7 days.**





# Overall Summary

## **Hurricane Ida:**

- Ida is rapidly strengthening over the Gulf of Mexico, with the eye located about 275 miles southeast of New Orleans, LA or 250 miles south of Pensacola, FL.
- Maximum sustained winds are near 105 mph, making Ida a Category 2 hurricane. Ida is forecast to continue to rapidly intensify, becoming a Category 4 hurricane by the time it approaches the Louisiana coast on Sunday evening.
- Ida is moving to the northwest at 16 mph, and this general motion should continue over the next 36 hours, followed by a turn to the north and northeast on Monday once inland over Louisiana.
- Ida has formed a well-defined eye, a sign it is becoming a powerful hurricane.

## **Tropical Depression Ten (Formerly Invest 98L):**

- The tropical wave that NHC had been tracking over the last few days (Invest 98L) developed into Tropical Depression 10 overnight.
- The center of Ten is located about 800 miles east of the Lesser Antilles with maximum sustained winds at 35 mph.
- Ten is moving north at 8 mph, and this general motion will continue over the next 5 days. Ten is forecast to strengthen into a tropical storm on Sunday, but then weaken as it moves into a less favorable environment mid-week. The system should dissipate by Thursday.

## **Bermuda Tropical Low (Invest 97L):**

- Invest 97L located about 800 miles east of Bermuda has a high chance (80%) of becoming a tropical depression this weekend while moving eastward in the open Atlantic before moving into more unfavorable conditions.
- Only a slight increase in thunderstorm activity will result in the start of advisories on this system.

## **African Tropical Wave:**

- Computer models indicate that a vigorous tropical wave could emerge from the western coast of Africa next Tuesday or Wednesday. Conditions appear favorable for development during the middle to later part of next week and there is currently a medium chance (60%) of development occurring in the next 5 days.

The next names on the storm name list are Julian, Kate, and Larry.



# Overall Summary

## Florida Outlook:

- Invest 97L & Tropical Depression Ten do not pose a threat to Florida. The African wave does not pose a threat within the next 7 days.
- There are currently no tropical storm watches or warnings for Florida.
- However, breezy winds of 20-35mph are expected late tonight, Sunday, and Monday in the Panhandle near the immediate coast. Gusts to 45 mph are possible in heavy rain bands and could result in isolated power outages.
- A **Coastal Flood Advisory** and **High Surf Warning** is in effect for Escambia, Santa Rosa and Okaloosa Counties through Monday, with a **High Surf Advisory** in effect from Walton to Franklin County.
- High waves of 6-12' will result in a high threat for rip currents along much of the Panhandle Coast this weekend, along with a risk of minor coastal flooding at times of high tide (1-2' of surge). Areas of beach erosion will be possible.
- A **Flash Flood Watch** is in effect for Escambia and Santa Rosa County from Sunday morning through Tuesday morning. Flash flooding is possible, especially in the urban areas in and around Pensacola. 6-8" of rain is forecast with localized totals up to 12".
- Rainfall amounts of 2-4" are forecast for the western Big Bend and Eastern Panhandle, with localized totals of 6-8". An isolated flash flood is still possible in this area on Sunday and Monday.
- There is a **Marginal Risk of Severe Weather (Level 1 of 5)** for much of the Panhandle tonight, Sunday, and Monday. A few tornadoes are possible across the Panhandle over the next few days in the outer rain bands of Ida.

The next briefing packet will be issued Sunday morning. For the latest information, please visit the National Hurricane Center website at [www.hurricanes.gov](http://www.hurricanes.gov).





# TROPICAL UPDATE



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State Meteorological Support Unit

Florida Division of Emergency Management

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