



TROPICAL UPDATE



11:00 AM EDT

Saturday, August 28, 2021

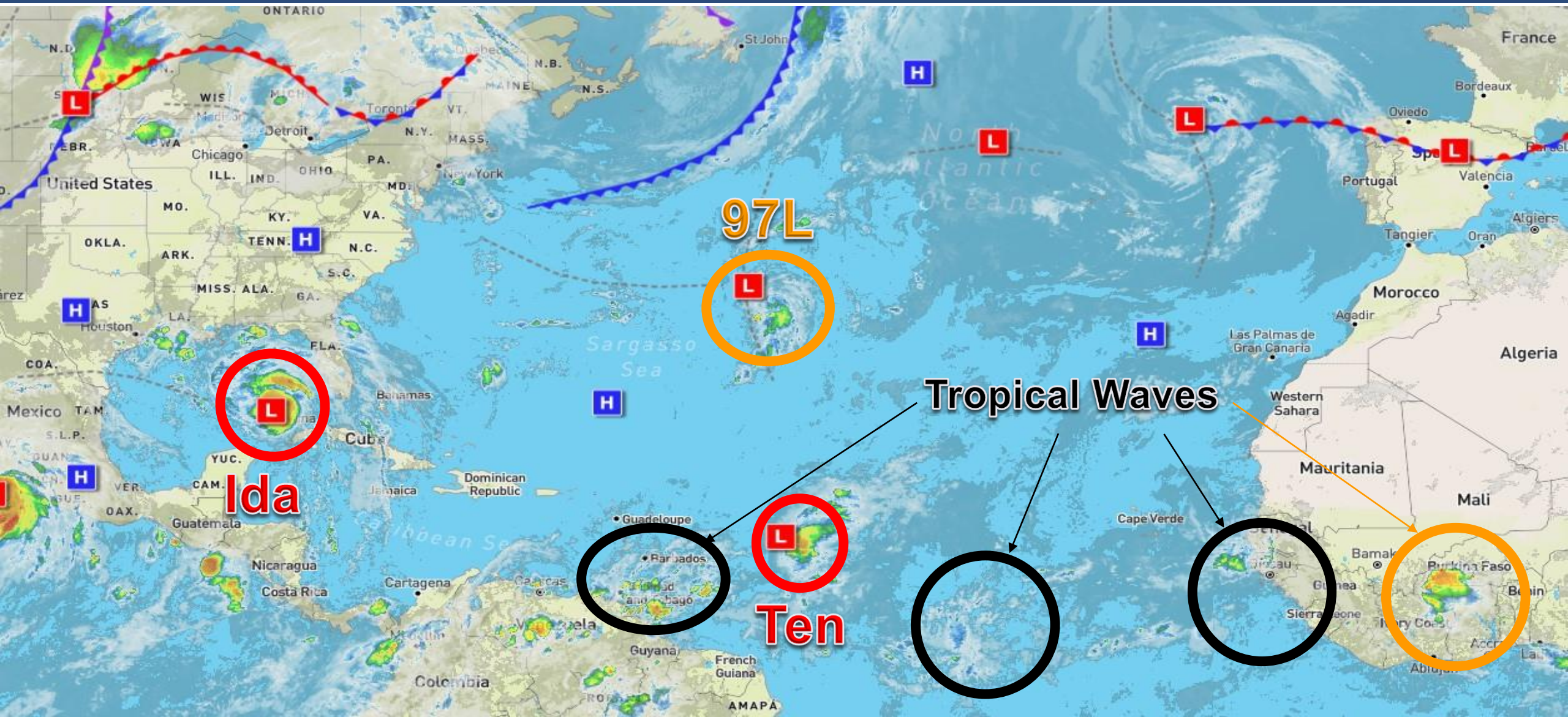
Hurricane Ida, Tropical Depression Ten, Invest
97L (60%), & the Next Tropical Wave (50%)

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



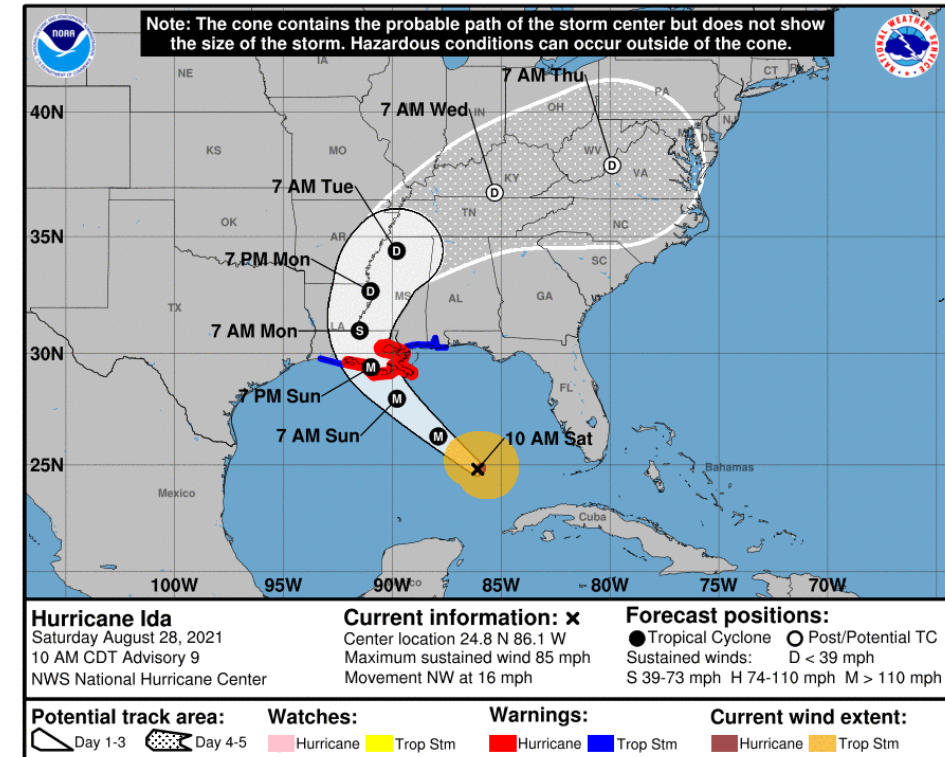


Hurricane Ida

11 AM ET Saturday: Florida Threats & Changes Since Last Packet

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

National Hurricane Center Map



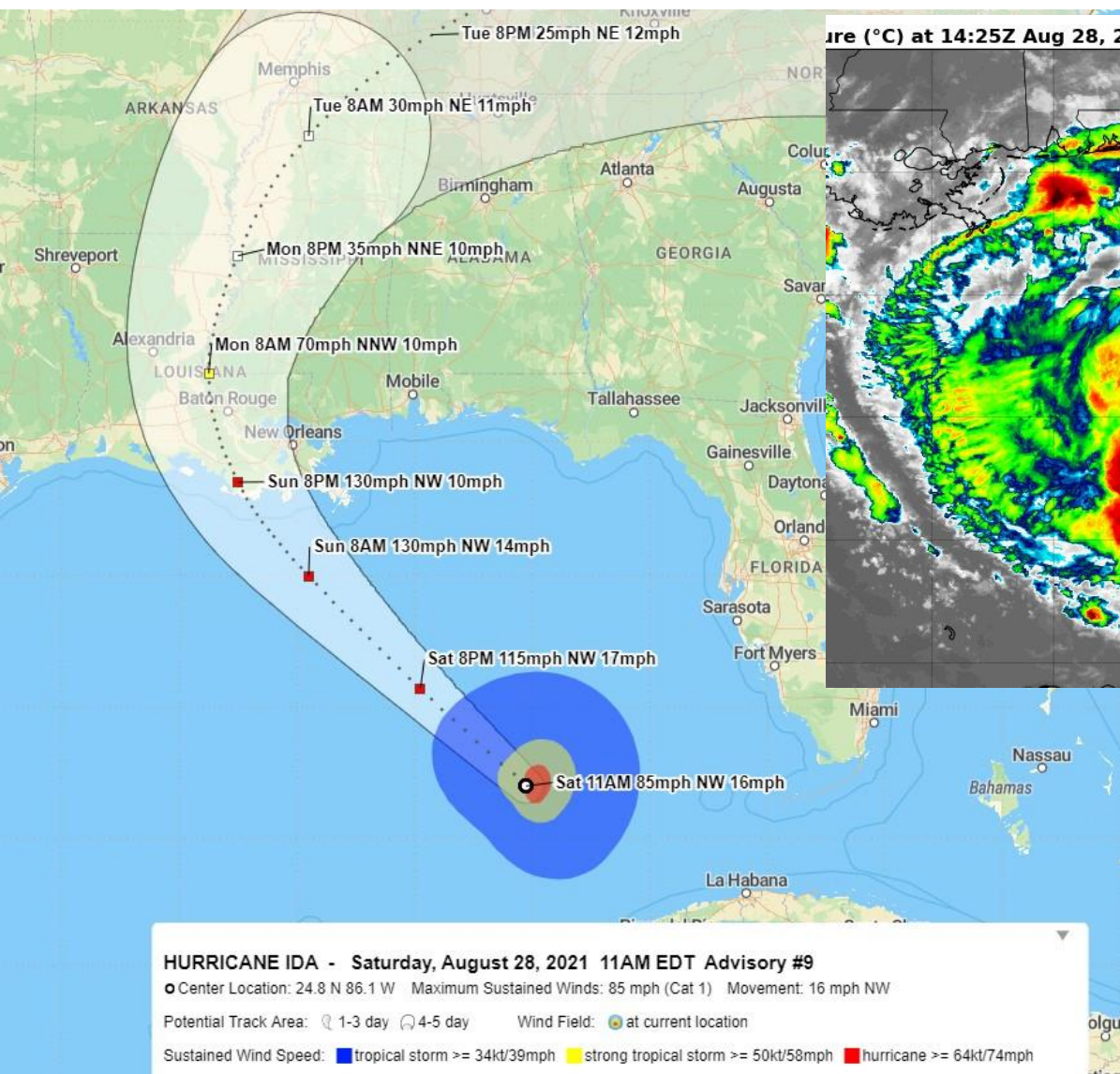
Overview/Recent Changes:

Ida back over the Gulf of Mexico and once again strengthening. Rapid intensification possible today and tonight. No change to the forecast track or intensity. No change to wind and surge watches/warnings. Flash Flood Watch issued for Escambia and Santa Rosa County Sunday Morning through Tuesday Morning.



Official Forecast Track

From the National Hurricane Center



- **Location:** 425 miles southeast of New Orleans, LA; 250 miles west of Key West, Florida.
- **Maximum sustained winds:** 85 mph.
- **Movement:** NW at 16 mph, and this general motion should continue over the next 48 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 is forming a well-defined eye, a sign it is taking advantage of the favorable environment for strengthening.



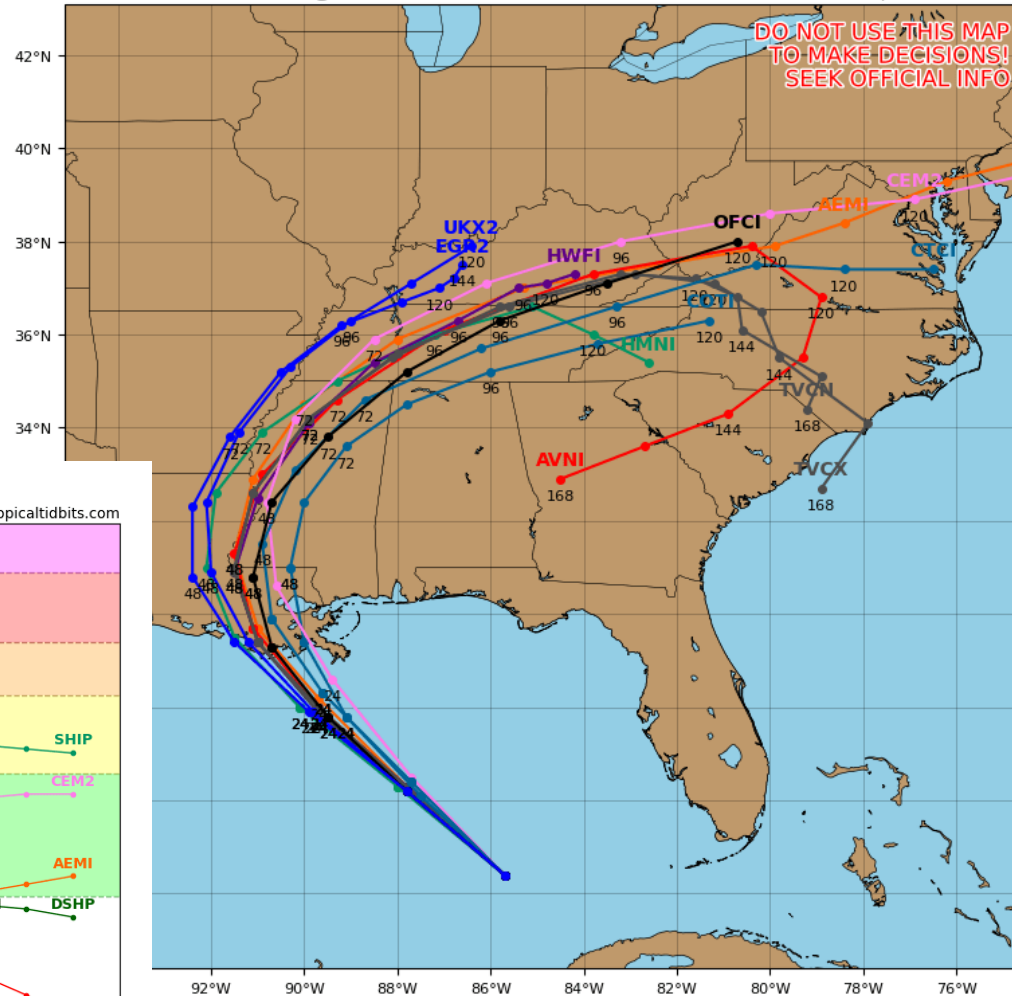
Model Forecast Tracks & Intensity

Dynamical and Statistical Models – Hurricane Ida

Hurricane IDA Model Track Guidance

Initialized at 12z Aug 28 2021

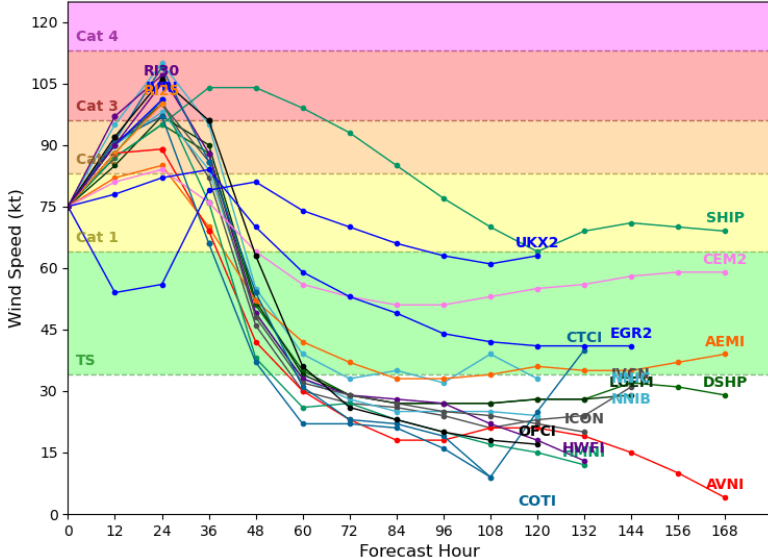
Levi Cowan - tropicaltidbits.com



Hurricane IDA Model Intensity Guidance

Initialized at 12z Aug 28 2021

Levi Cowan - tropicaltidbits.com



Many computer models are indicating rapid intensification over the next 36 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 potential landfall in southeastern Louisiana in 36 hours, but impacts may extend hundreds of miles from where the storm makes landfall.

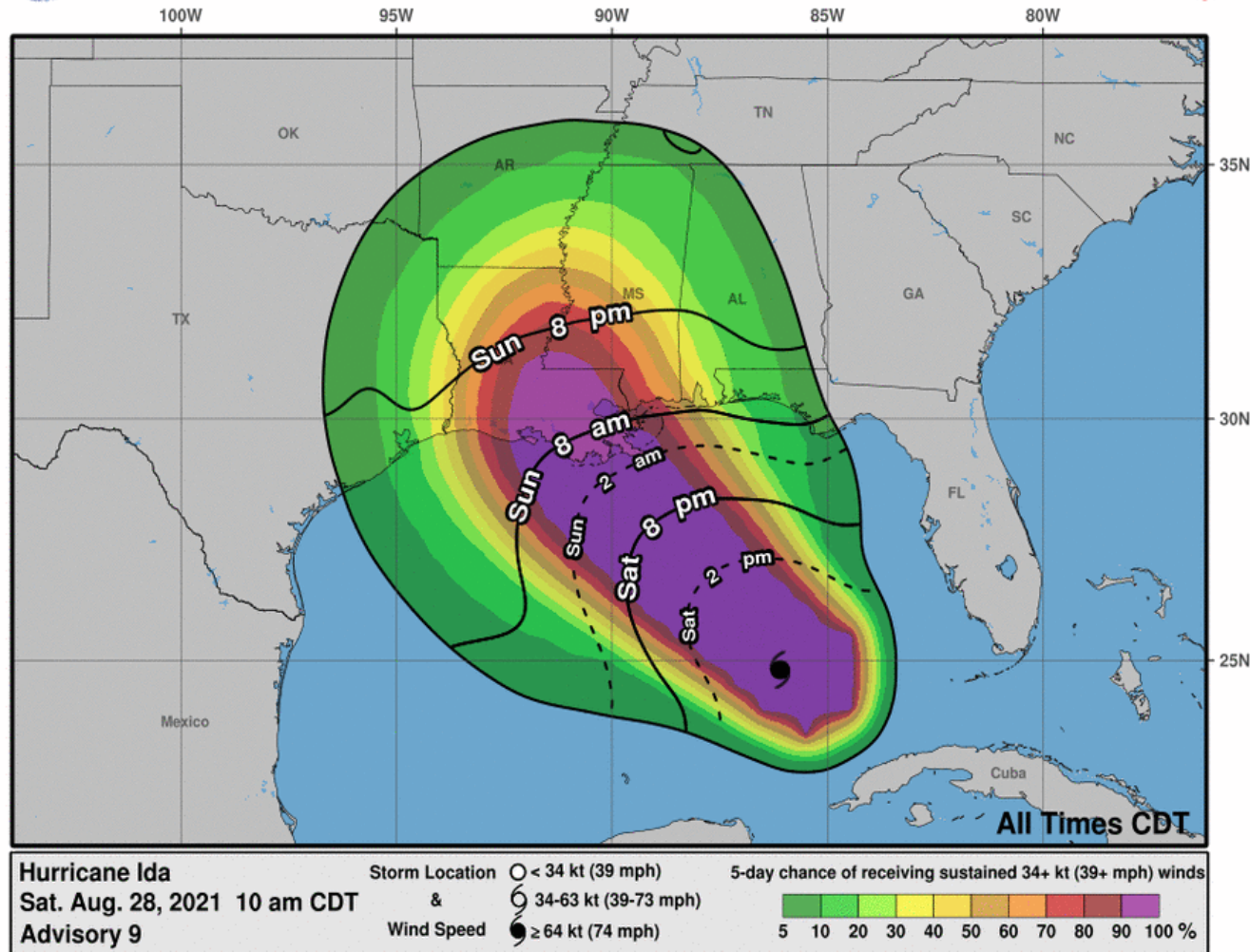


Time of Arrival & Wind Speed Probabilities

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



Most Likely Arrival Time of Tropical-Storm-Force Winds



City

Chance for TS Winds Changes Since Last Packet

Key West

0%

-4%

Naples

0%

-4%

Venice

0%

-4%

Apalachicola

8%

-3%

Panama City

11%

-4%

Destin

14%

-3%

Pensacola

23%

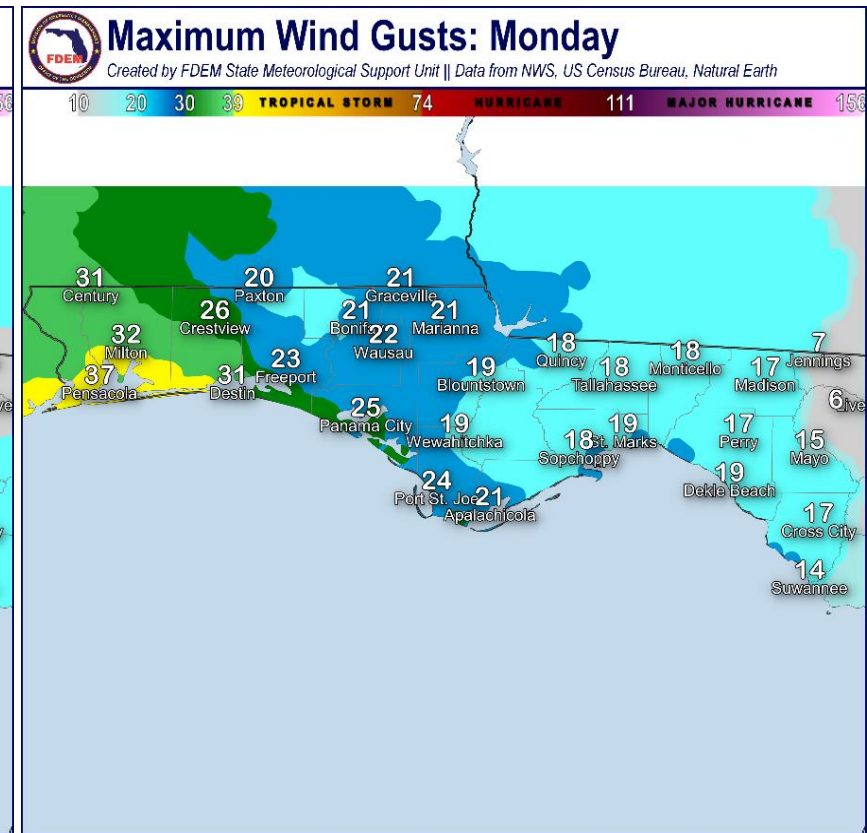
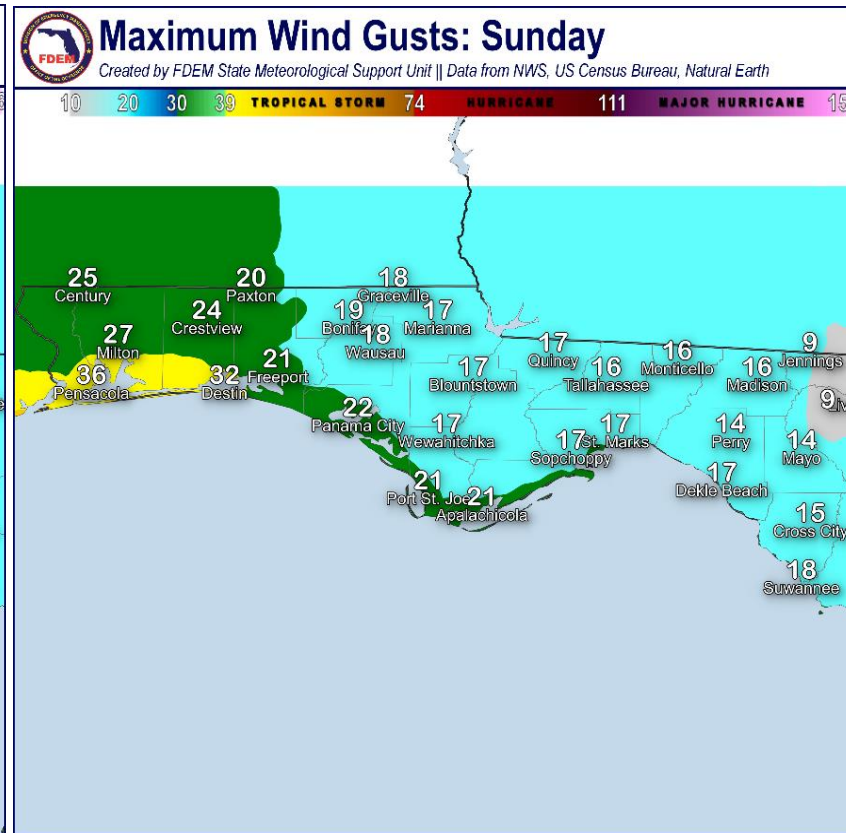
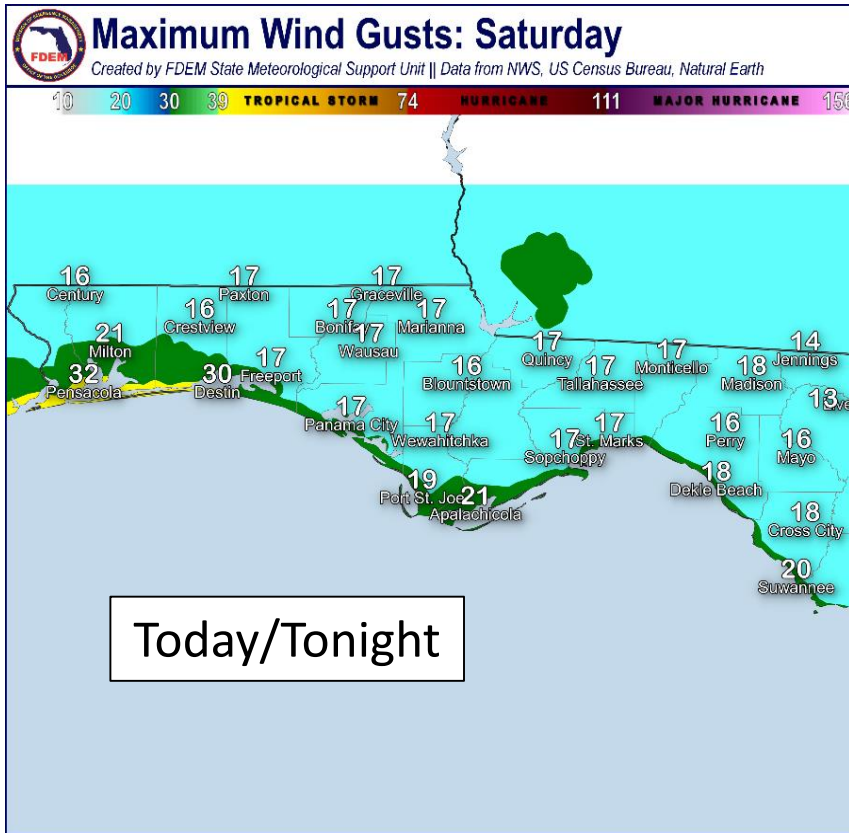
-1%

The chance for sustained tropical storm force winds in Florida has decreased, but there is still a 25% or 1 in 4 chance of tropical storm force winds near the Florida/Alabama state line. However, breezy conditions of 20-35mph are still possible on Sunday and Monday along the western Panhandle coast.



NWS Forecast Wind Gusts

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



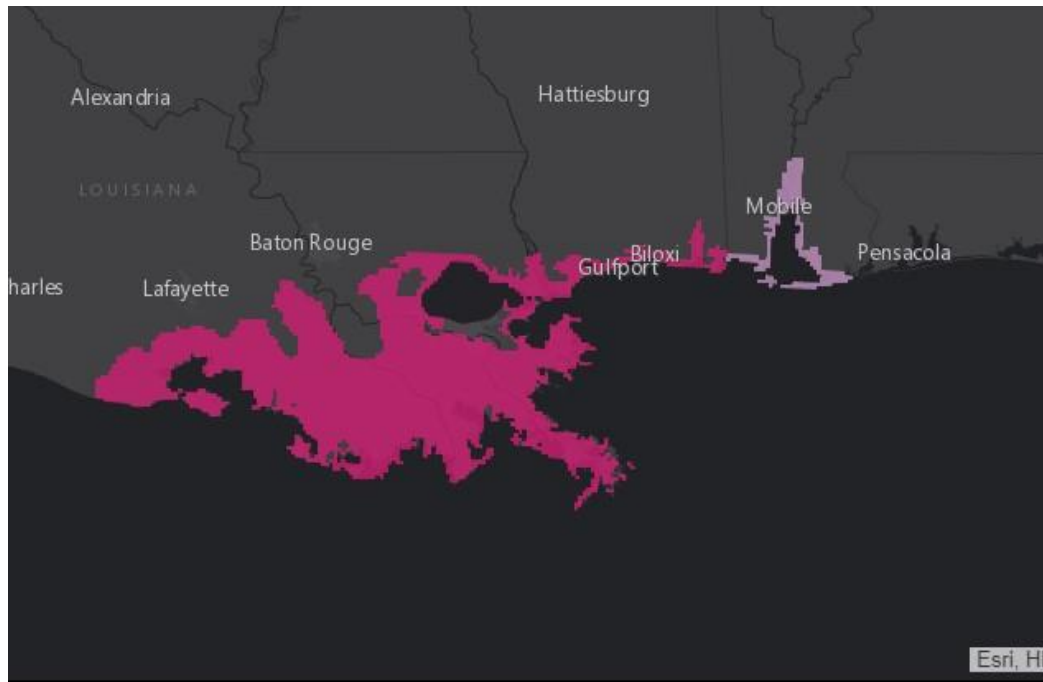
Winds will begin increasing tonight as Ida approaches the northern Gulf Coast. The wind field is also expected to expand on the eastern side. This may result in some gusts to near tropical-storm-force along the coast of the western Panhandle, especially in rain bands. Gusty winds will continue into the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



Storm Surge Forecast

Hurricane Ida

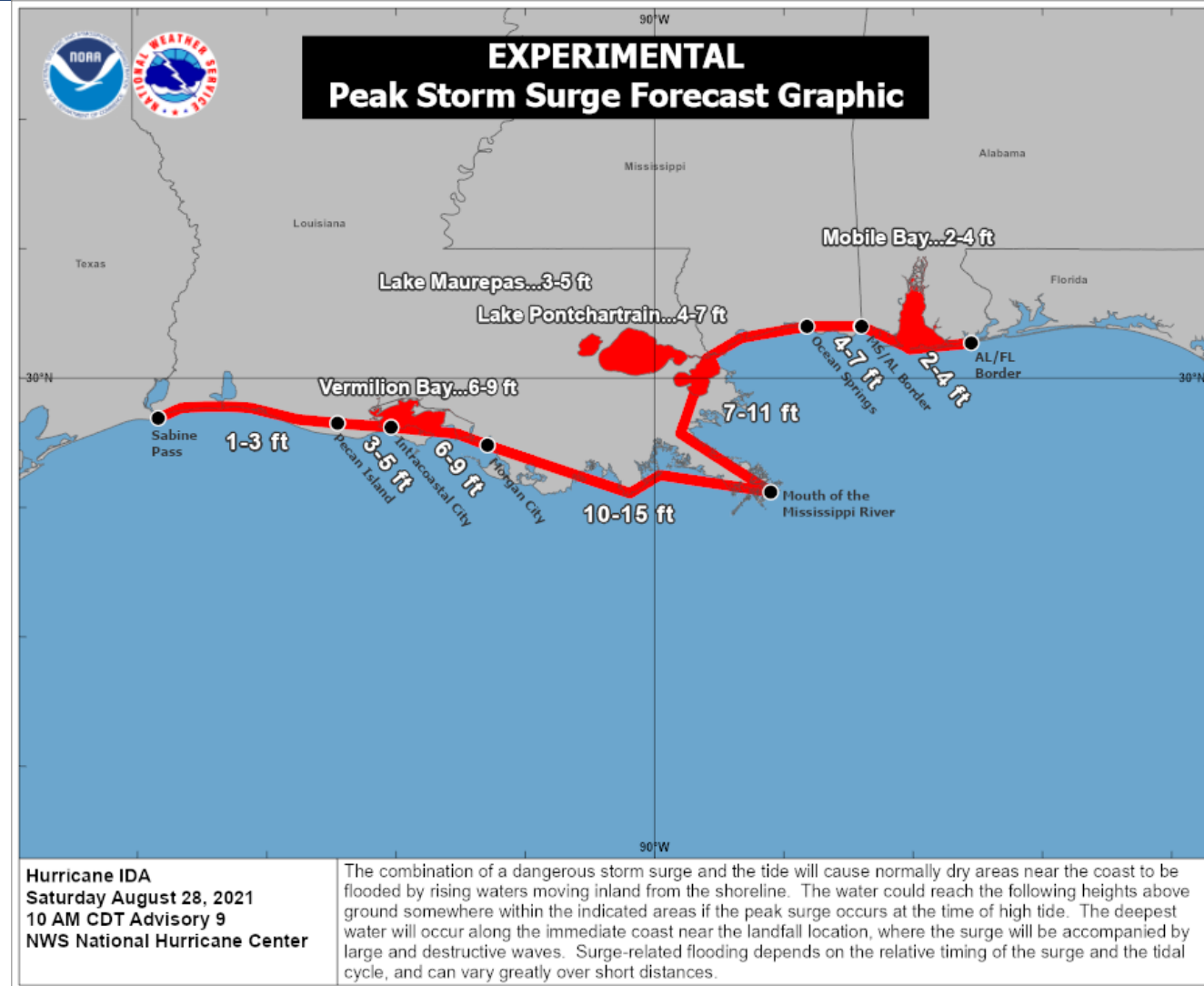
Storm Surge values above 3 feet are expected west of the Florida/Alabama state line, where Storm Surge Warnings are in effect. Storm surge values of 1-2 feet are possible along the Panhandle coast.



30 60mi

Storm Surge Warning
Storm Surge Watch

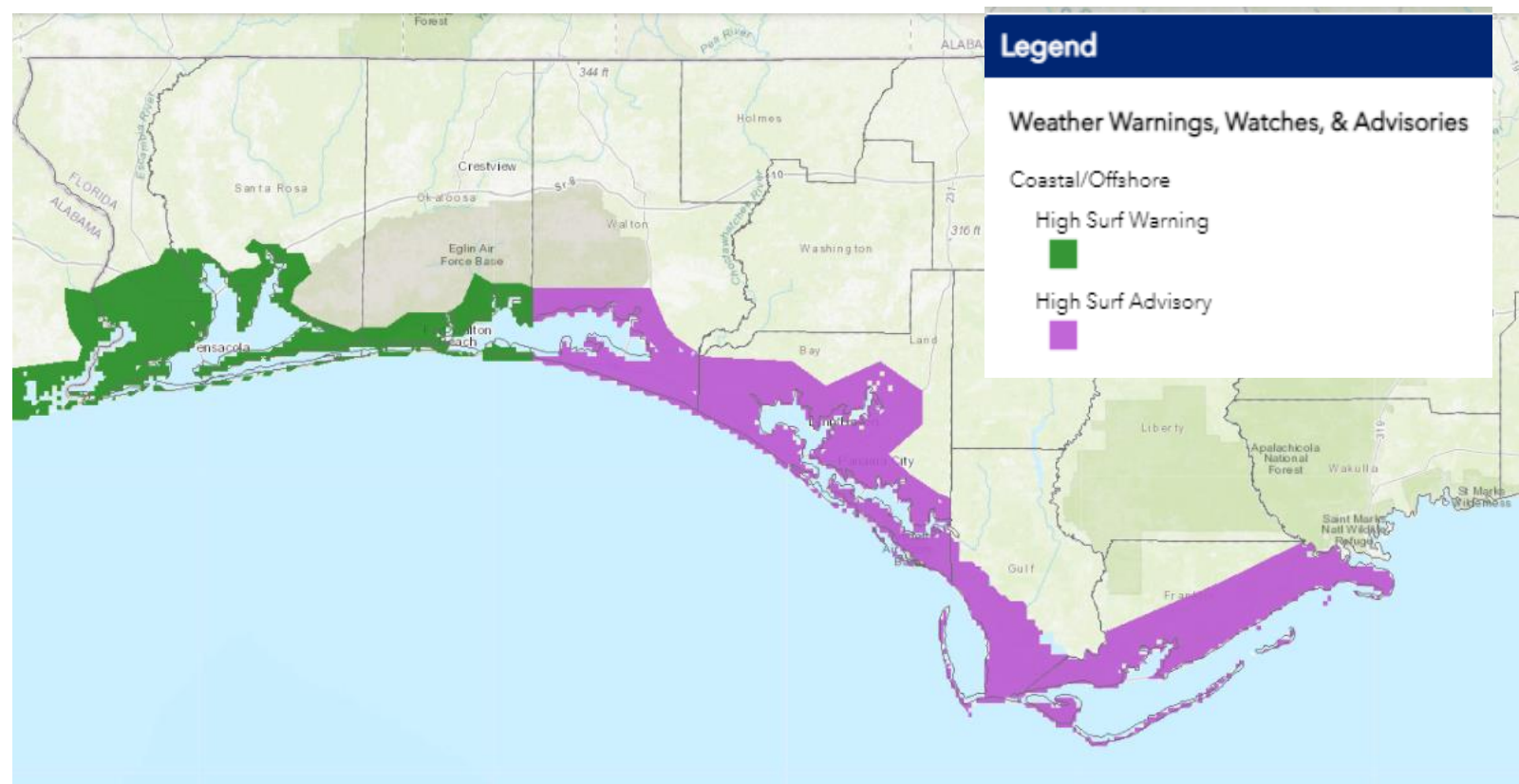
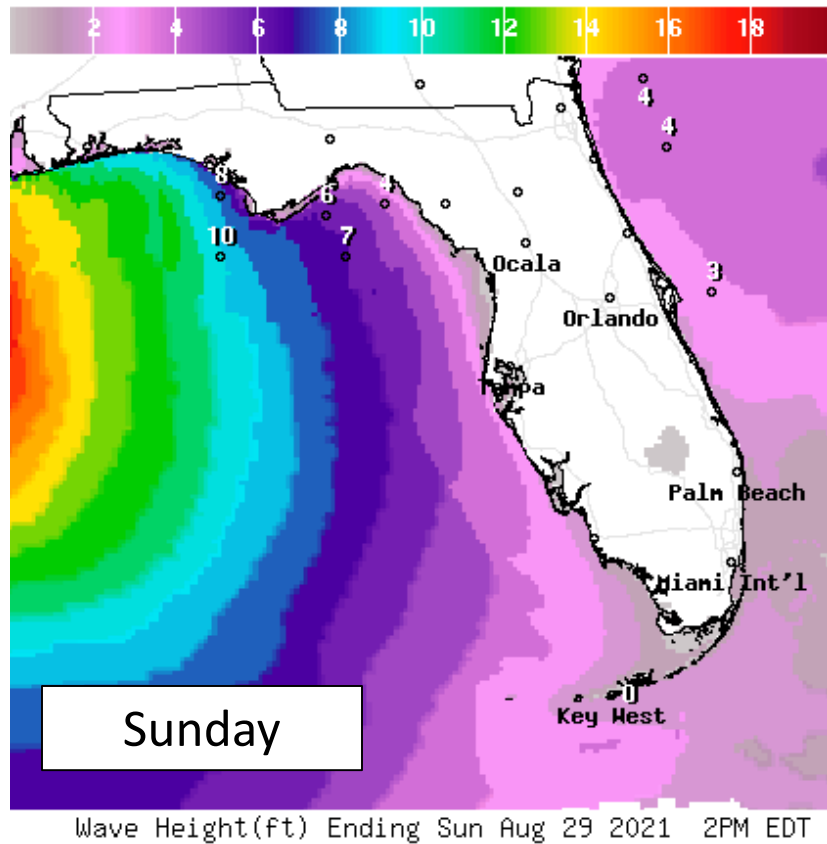
out this product:





Forecast Wave Heights

Saturday through Sunday



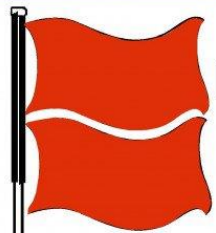
Surf will build along the Florida Gulf Coast today, with breaking waves up to 6-10' possible on Sunday in the Panhandle. Wave heights of 3-6' may continue into Monday. This will result in dangerous rip currents at all Gulf Coast beaches. Minor beach erosion is possible in a few locations.



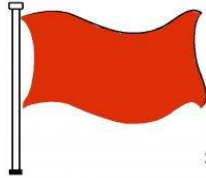
Rip Current Outlook

Today

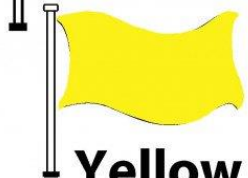
BEACH FLAG WARNING SYSTEM



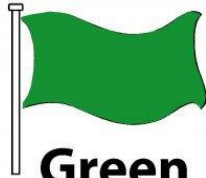
Double Red
Water Closed to
Public Use



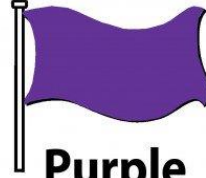
Red
High Hazard
(rough conditions,
such as strong surf
and or currents)



Yellow
Medium Hazard
(light surf and or
currents)

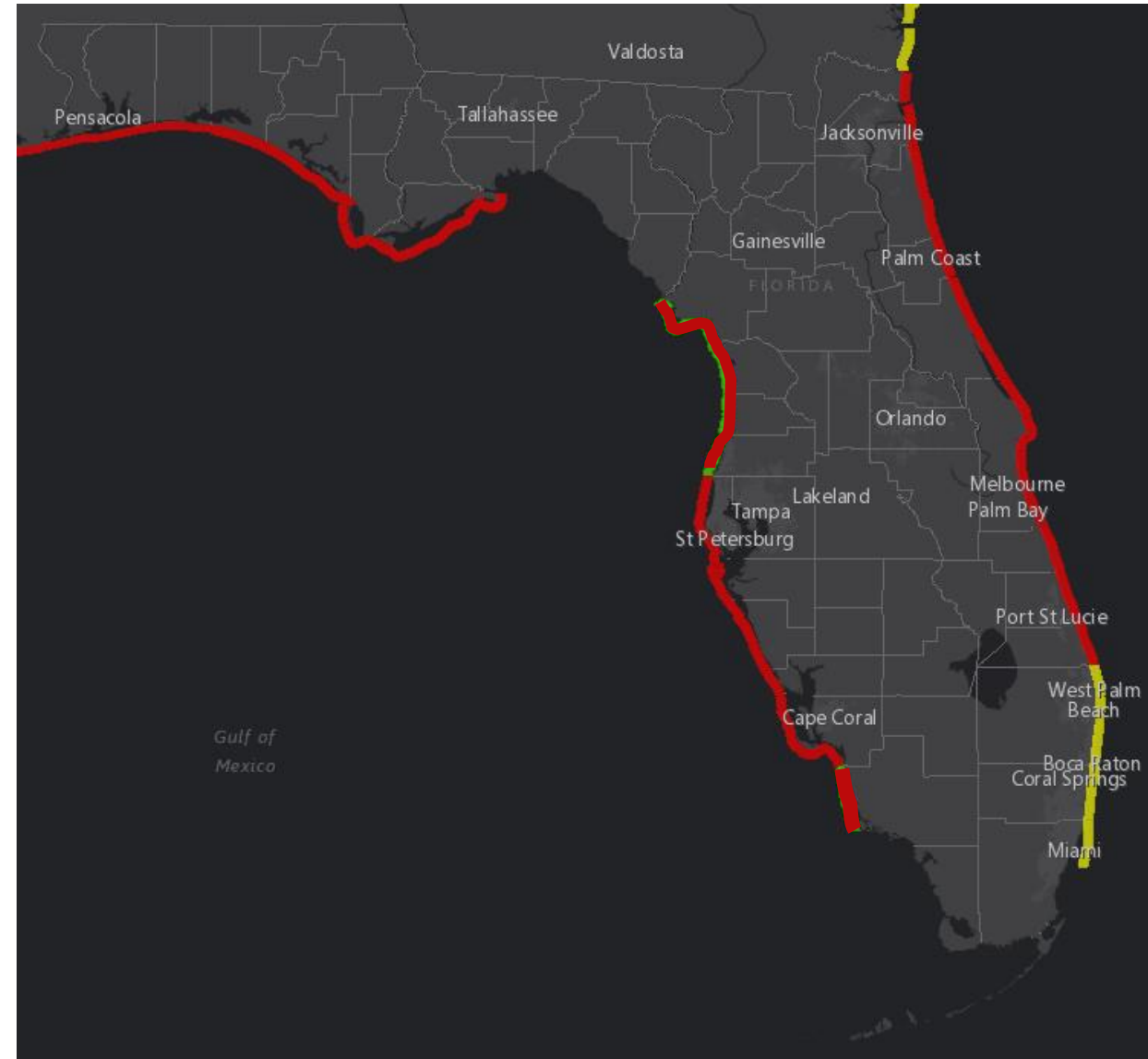


Green
Low Hazard
(calm conditions)



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!





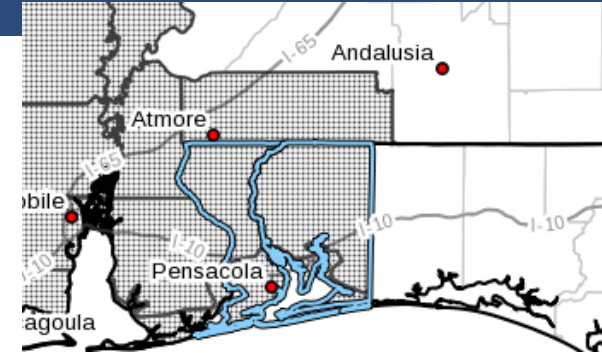
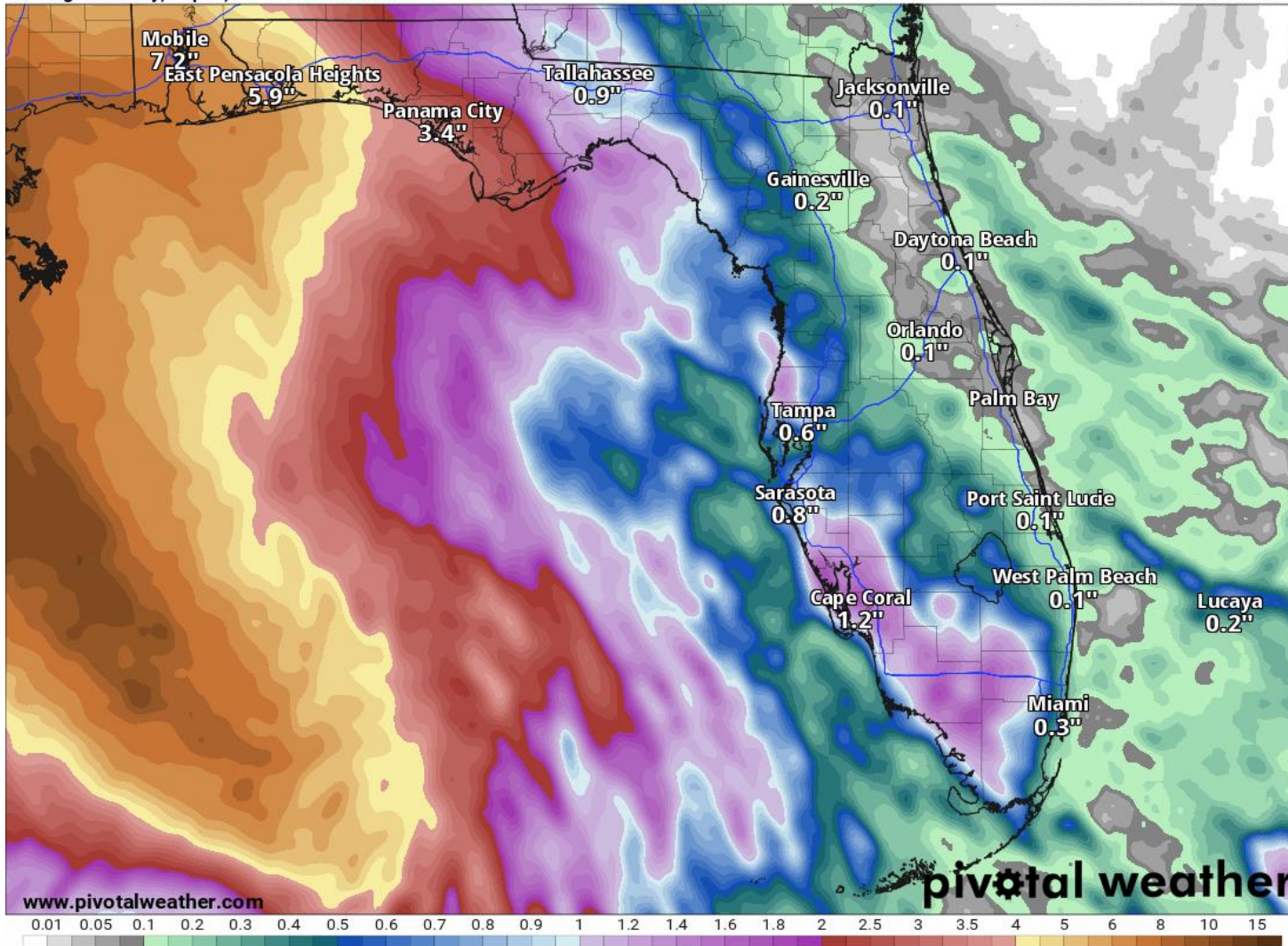
Rainfall Totals Next 5 Days

Ending 8 AM ET Wednesday

120-Hour Precipitation (in)

Ending Thursday, Sep. 2, 2021 at 8 a.m. EDT

Init: Sat 2021-08-28 12z 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".

[\(LINK\)](#)

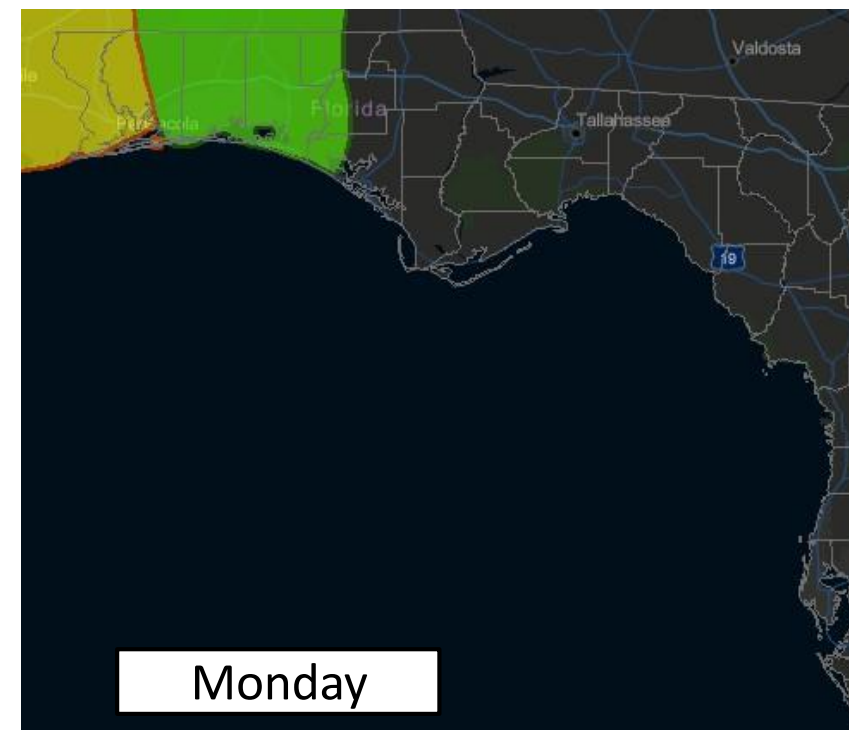
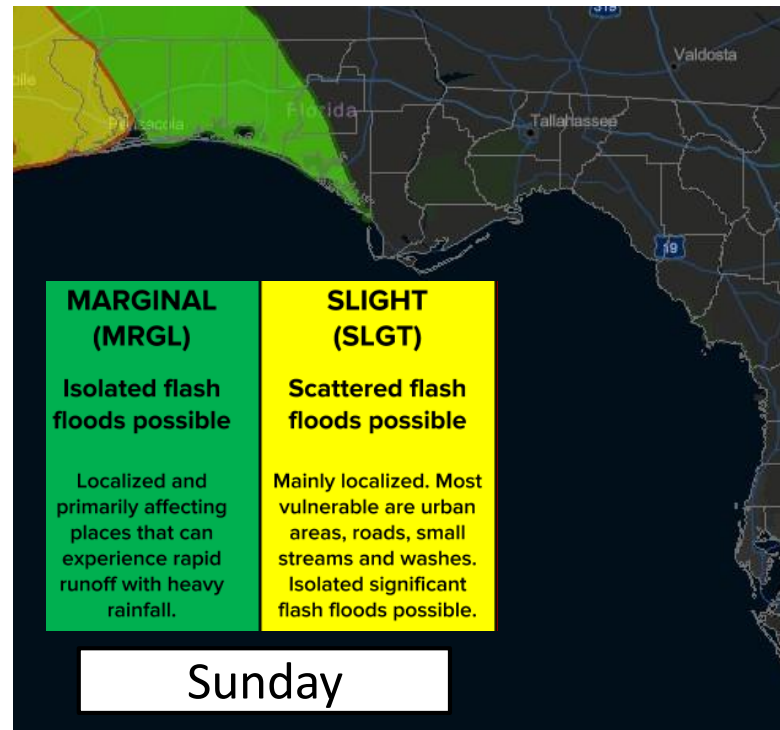
Along the rest of the Panhandle and Big Bend, expect rainfall amounts of 2-4" with localized totals of up to 6-8" possible.

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

HIGH: > 50%

SLGT: 10%-20%

MDT: 20%-50%

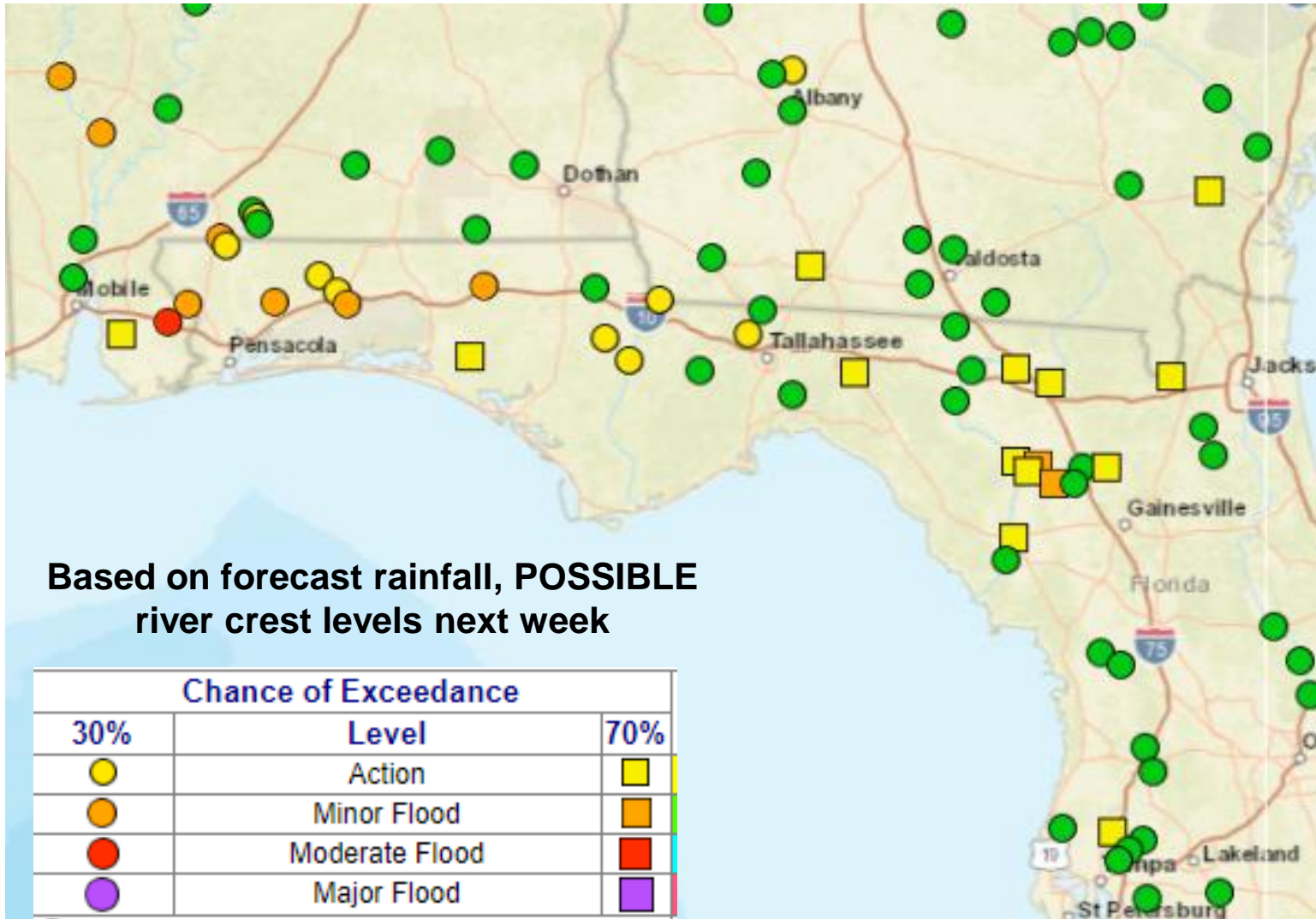
MRGL: 5%-10%

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	

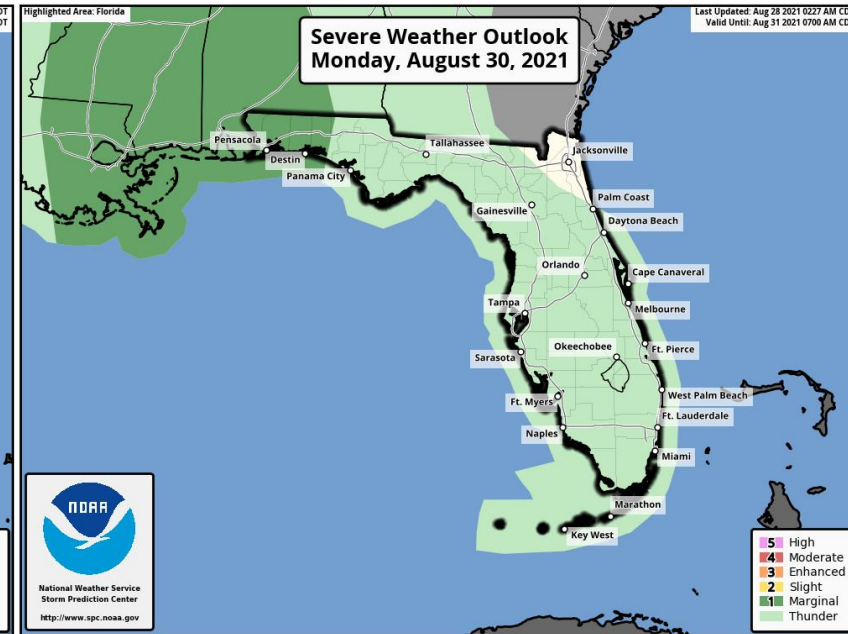
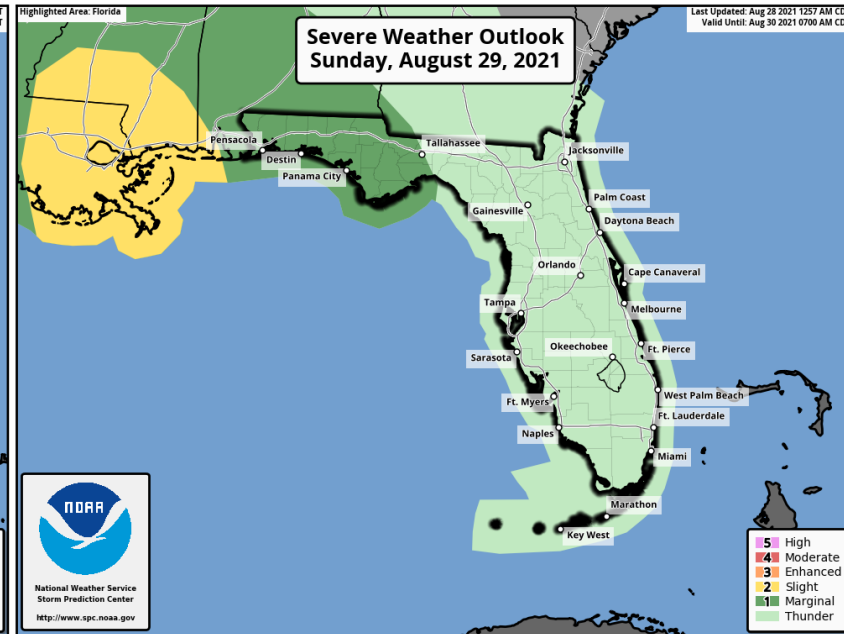
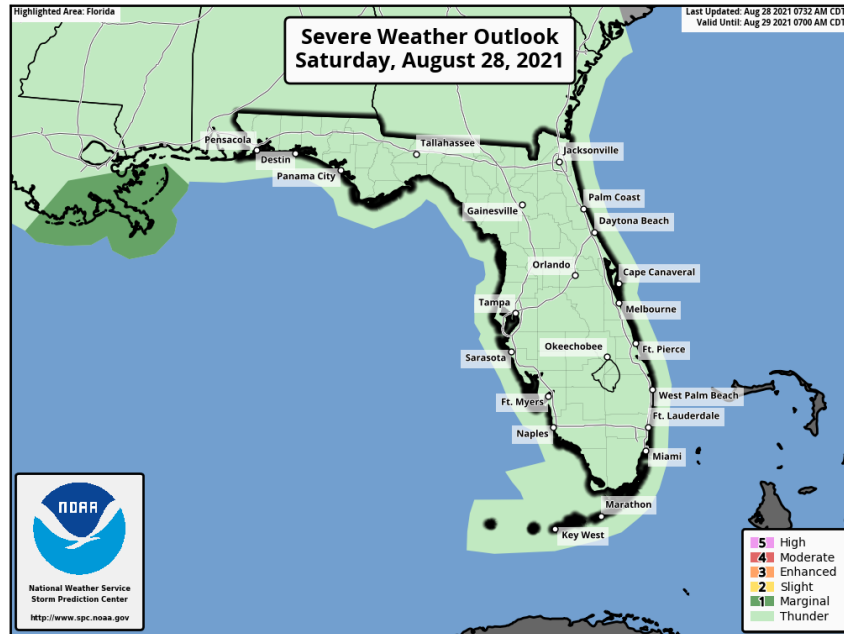
= less than 30% chance of reaching Action level

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.

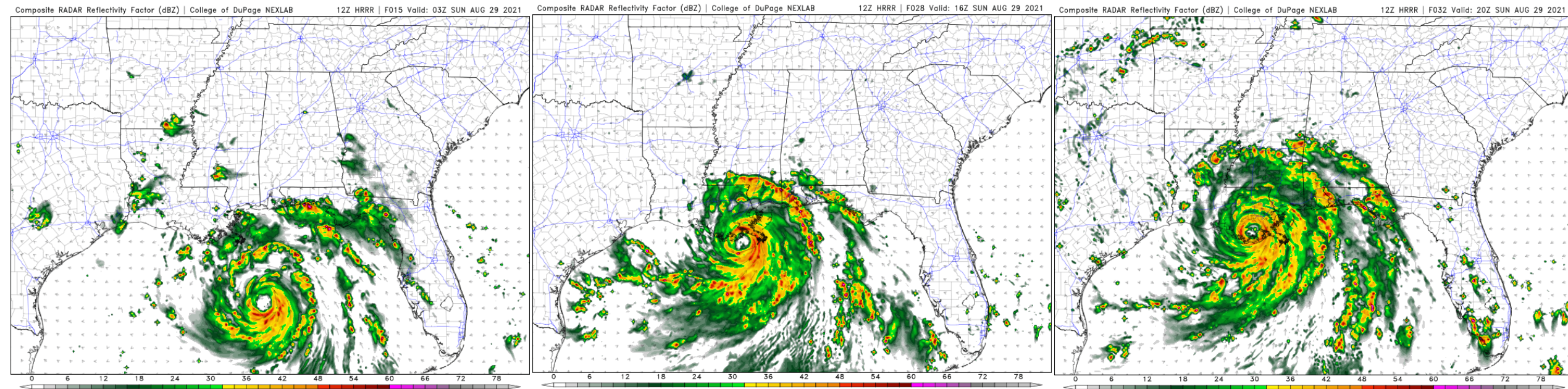
Understanding Severe Thunderstorm Risk Categories

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*****



Midnight Tonight

Mid-day Sunday

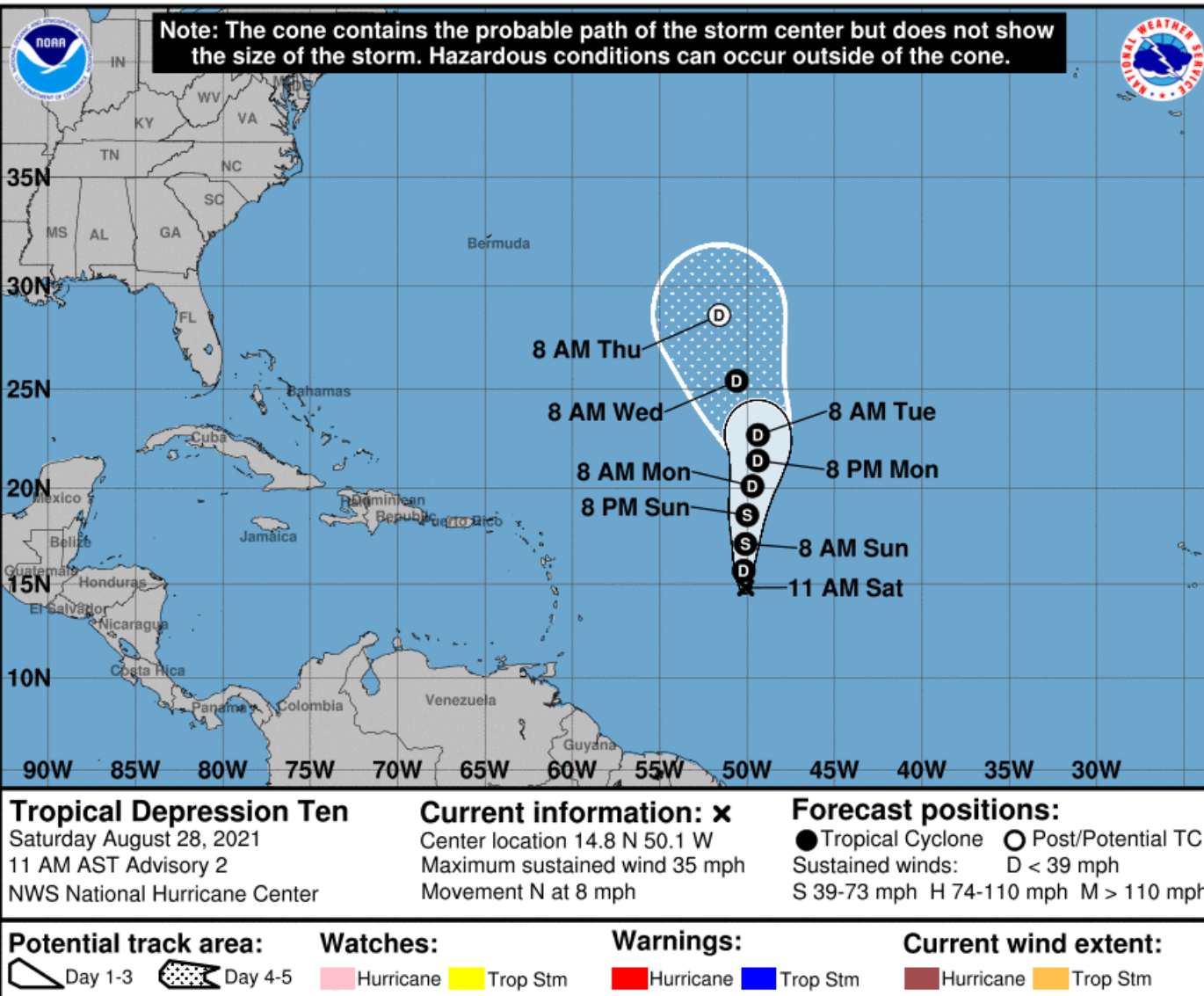
Sunday Evening

Rain bands will arrive this evening 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

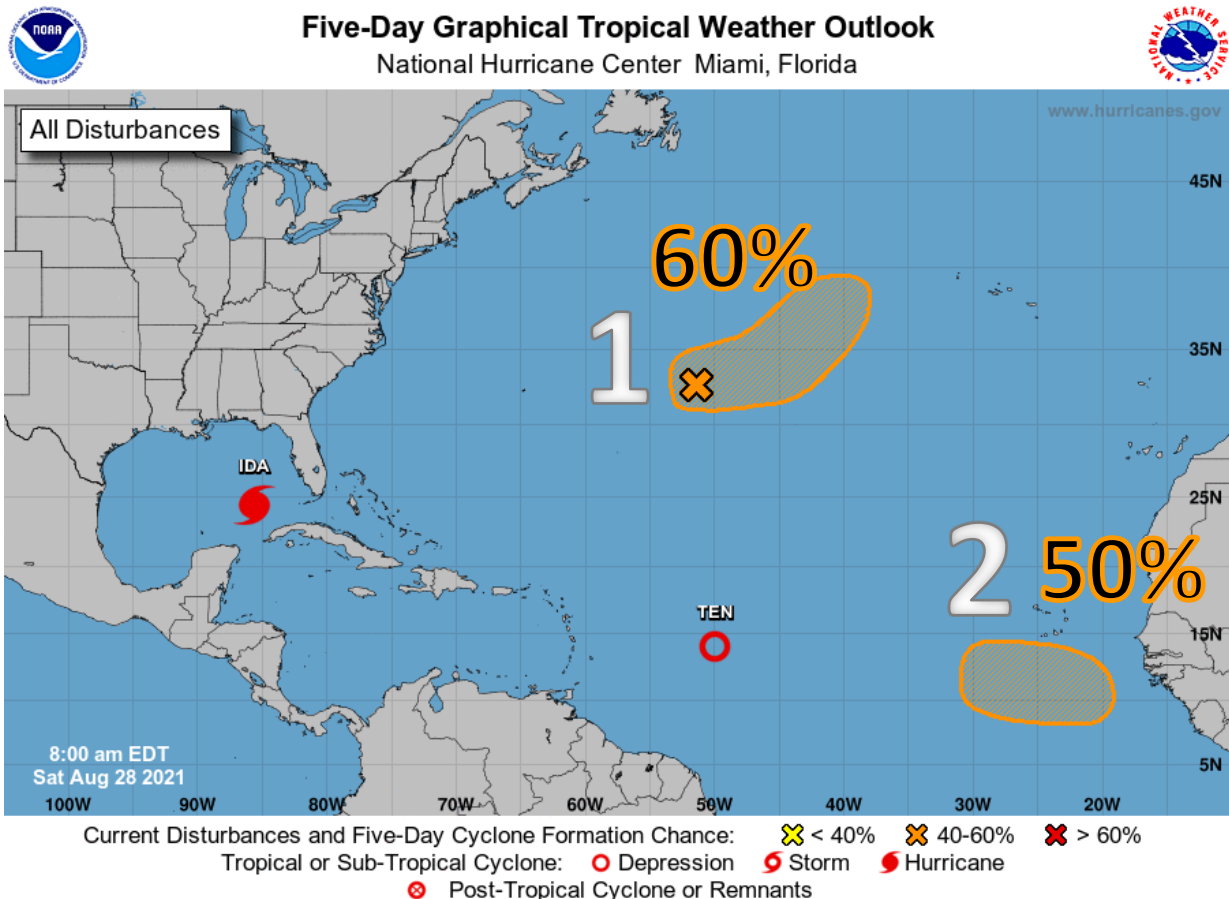


- The tropical wave that NHC had been tracking over the last few days (Invest 98L) developed into Tropical Depression 10 overnight.
- The center of Ten is located about 800 miles east of the Lesser Antilles.
- Maximum sustained winds are at 35 mph.
- Ten is moving north at 8 mph, and this general motion 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](#))



1. Showers and thunderstorms associated with an elongated area of low pressure located over the central Atlantic has become a little better organized overnight. Environmental conditions are expected to be only marginally conducive for further development. However, a tropical depression could still form within the next couple of days. By midweek, 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...medium...60 percent.**

* **Formation chance through 5 days...medium...60 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...50 percent.**

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



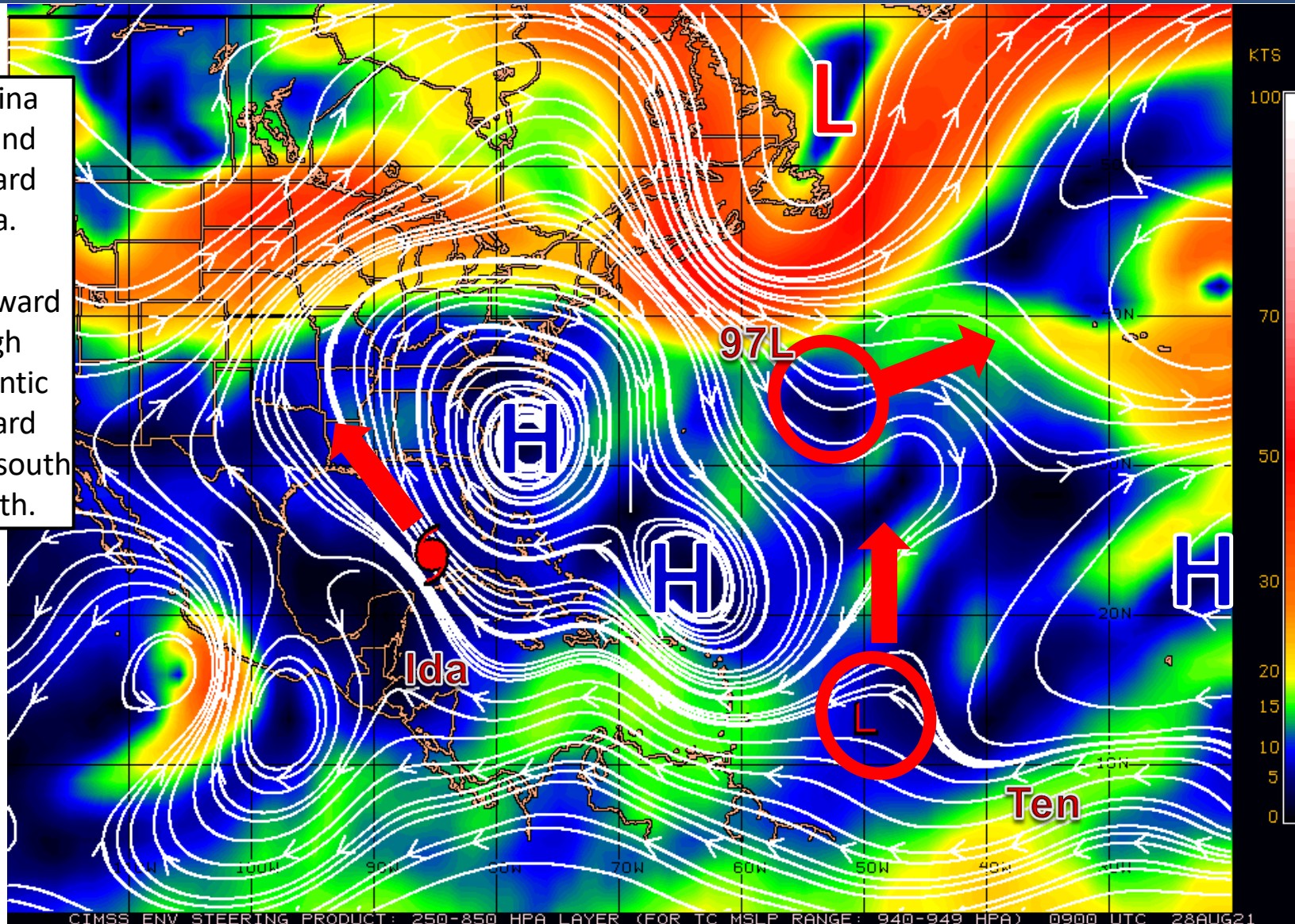
Steering Currents

What is Moving the System?

Color denotes the movement speed through the atmosphere and thin white lines denote direction. Tightly clustered white lines represent faster movement as well.

High pressure off the Carolina coast will remain in place and steer Ida on a northwestward motion towards Louisiana.

TD Ten will be steered northward on the western side of high pressure in the eastern Atlantic while 97L is steered eastward between high pressure to its south and low pressure to its north.



Fast Steering Flow

Fast Steering Flow

Moderate/
Typical
Steering Flow
Speed

Slow Steering Flow



Wind Shear

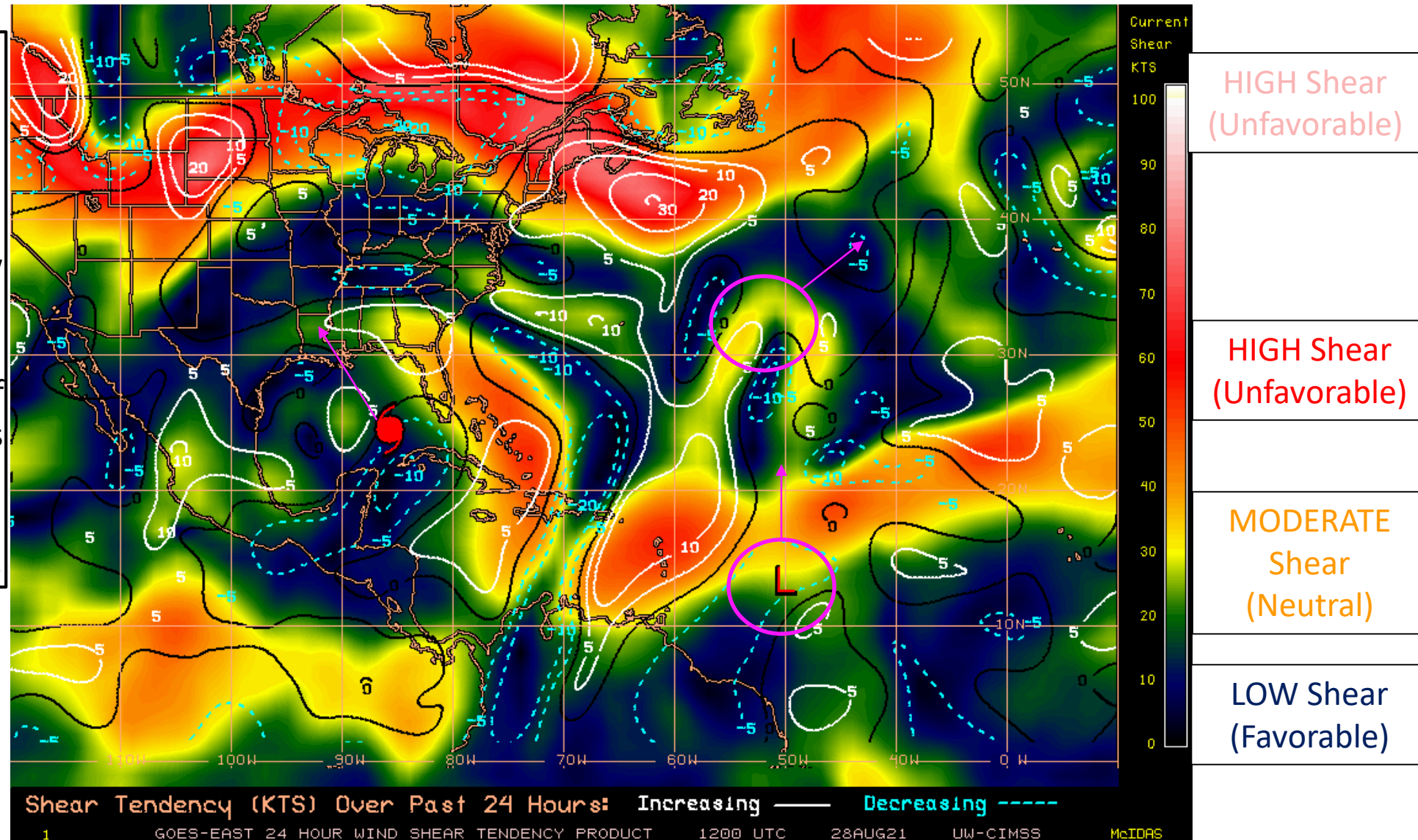
Is the environment favorable for the system?

Color denotes the amount of wind shear and the lines denote how it have changed over the last 24 hours (dotted lines show decreasing shear and solid lines show increasing).

Hurricane Ida is currently experiencing low wind shear.

97L will continue its northeastward movement into a favorable environment of low wind shear.

TD Ten is currently in an area of low wind shear, but as it moves northward, high wind shear will limit the extent of further organization and development.





Dry Air & Saharan Dust

Is the environment favorable for the system?

Color denotes concentration of Saharan Dust or dry, stable air.

Ida will remain within a moist environment until landfall, promoting intensification and the ability to produce heavy rainfall over the southeastern U.S. 97L will continue to move northeastward within a moderately dry air mass. TD Ten is currently in a moist airmass but will move northward into a widespread region of dry air. This will work against any further development or organization.





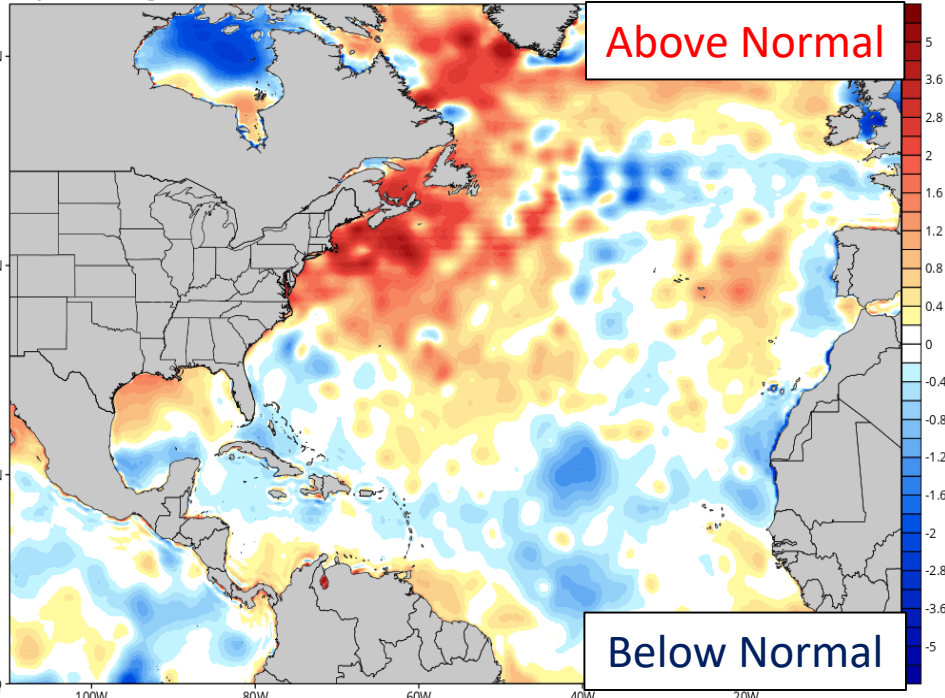
Sea Surface Temperatures & Anomalies

Is the ocean favorable for the system?

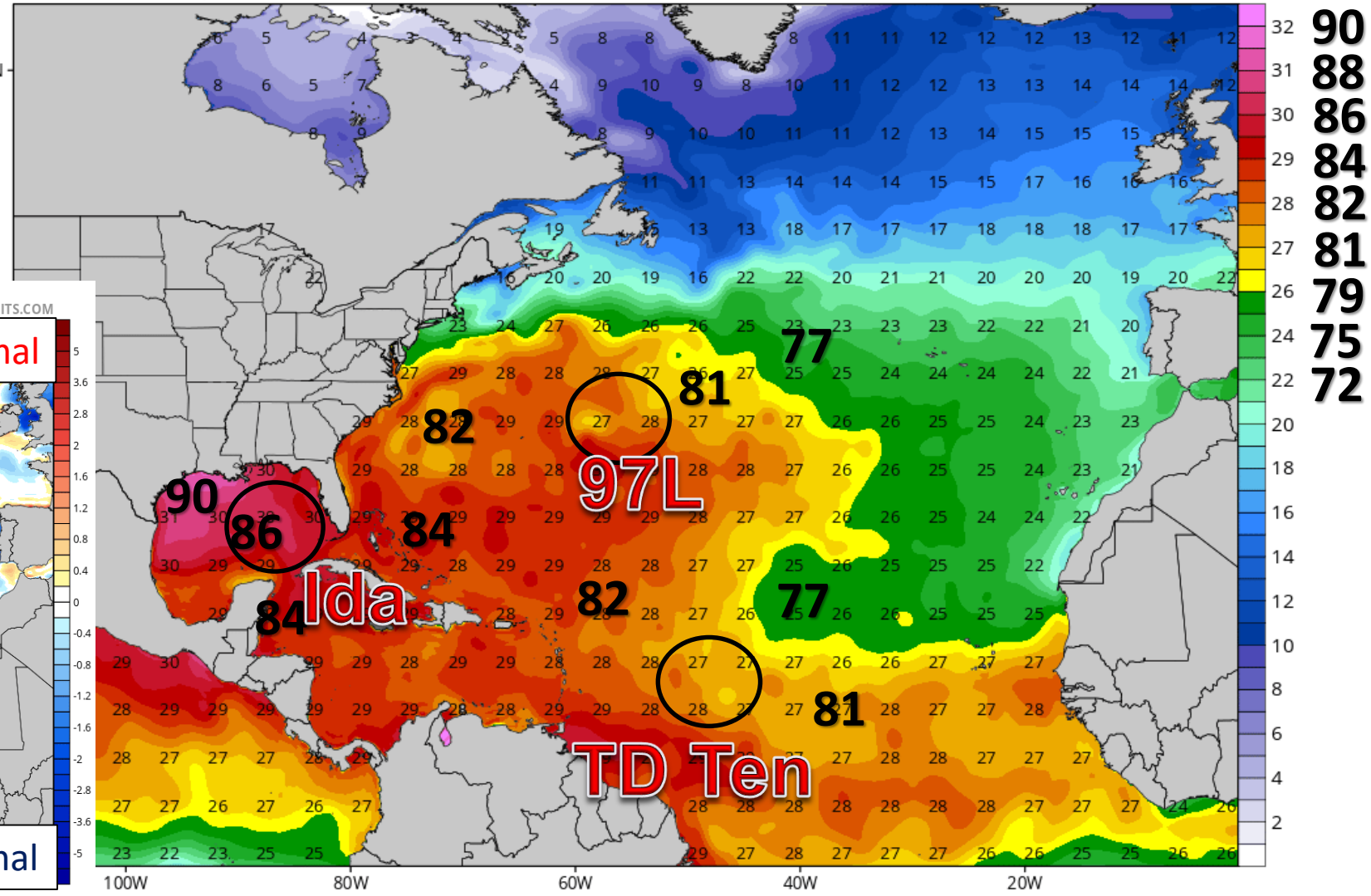
Water temperatures are currently supportive of development for all three tropical systems.

Given the warm temperatures across the Gulf of Mexico, strengthening is likely as Ida approaches the northern Gulf Coast. 97L will move into cooler waters in about 3-5 days.

CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)
Analysis Time: 06z Aug 27 2021



CDAS Sea Surface Temperature (°C)
Analysis Time: 06z Aug 27 2021





Overall Summary

Hurricane Ida:

- Ida is back over the Gulf of Mexico, with the center located about 425 miles southeast of New Orleans, LA or 250 miles west of Key West, FL.
- Maximum sustained winds are near 85 mph. Ida is forecast 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 48 hours, followed by a turn to the north and northeast on Monday once inland over Louisiana.
- Ida is forming a well-defined eye, a sign it is taking advantage of the favorable environment for strengthening.

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 medium chance (60%) of becoming a tropical depression this weekend while moving eastward in the open Atlantic before moving into more unfavorable conditions.

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 (50%) 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 6-10' 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 on 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 this afternoon with the 5pm advisory. For the latest information, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



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State Meteorological Support Unit

Florida Division of Emergency Management

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