



TROPICAL UPDATE



5:00 PM EDT

Friday, August 27, 2021

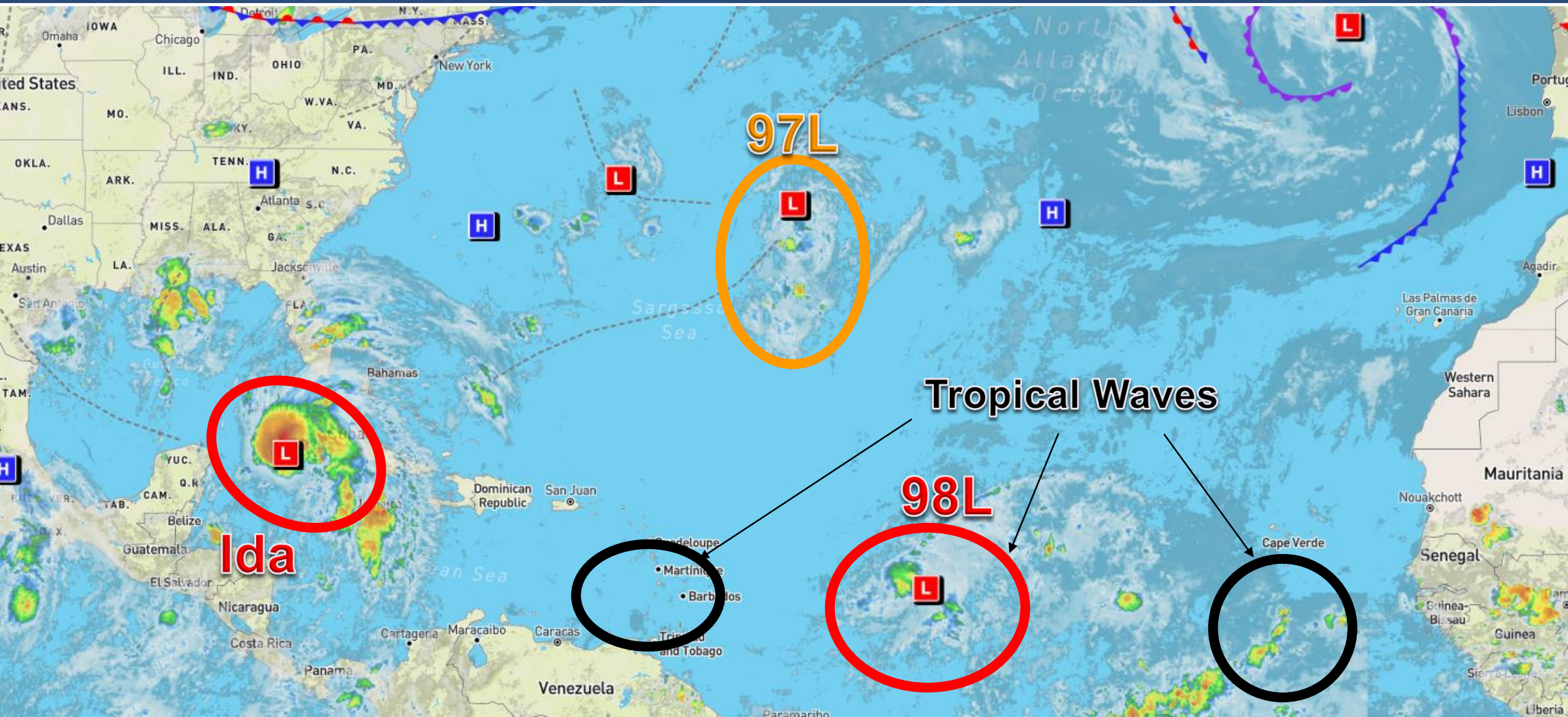
Hurricane Ida, Invest 97L (60%), & Invest 98L
(80%)

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

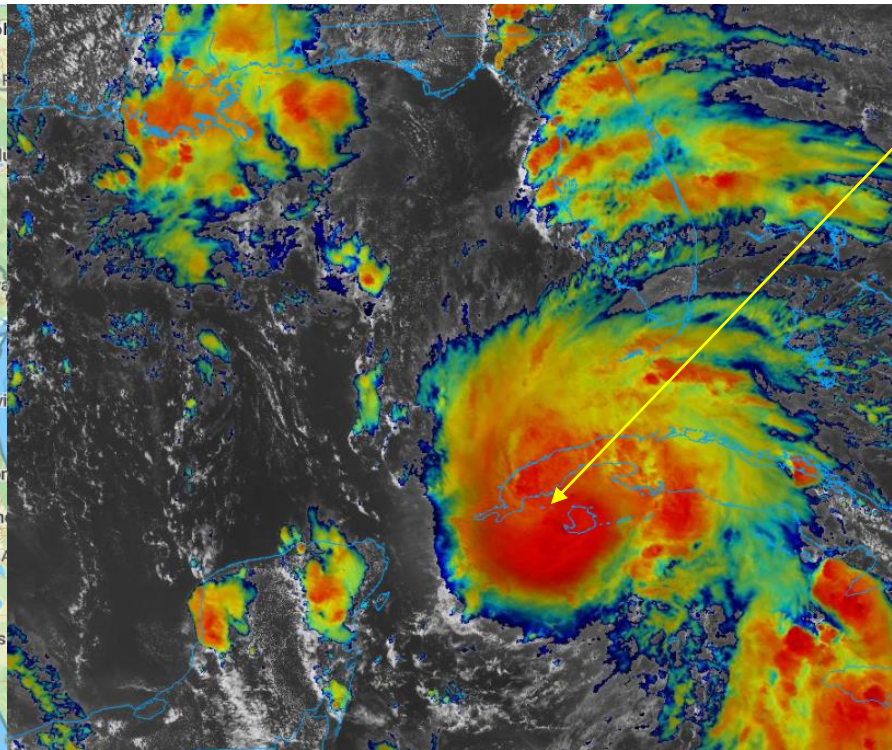
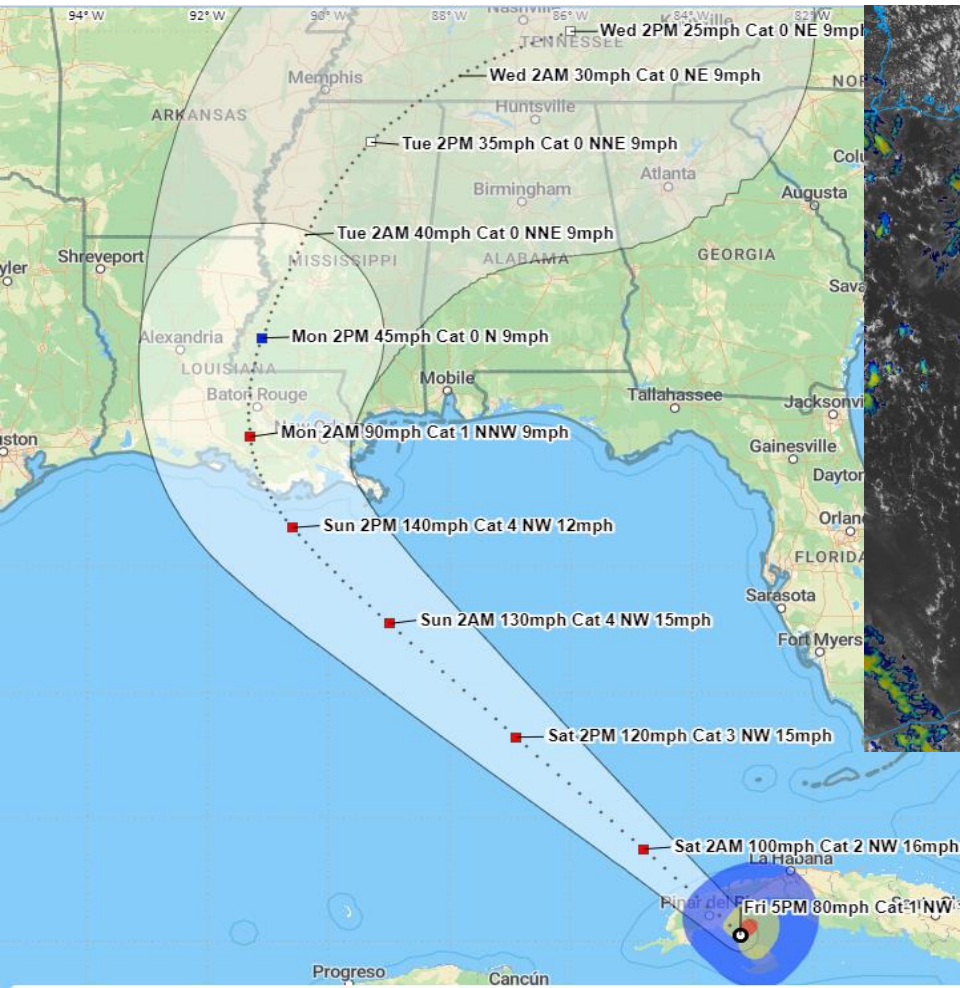
Chance of development: — None — Low — Medium — High





Official Forecast Track

From the National Hurricane Center



- **Location:** 45 miles NW of Isle of Youth, Cuba; 195 miles SW of Key West, Florida.
- **Maximum sustained winds:** 80 mph.
- **Movement:** NW at 15 mph, and this general motion should continue over the next few days, followed by a turn to the north and northeast on Monday.
- **Forecast:** Ida is forecast to emerge into the southeastern Gulf of Mexico tonight and rapidly intensify, becoming a Category 4 hurricane by the time it approaches the Louisiana coast on Sunday.

HURRICANE IDA - Friday, August 27, 2021 5PM EDT Advisory #6

Center Location: 22.1 N 83.2 W Maximum Sustained Winds: 80 mph (Cat 1) Movement: 15 mph NW

Wind Field: at current location

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



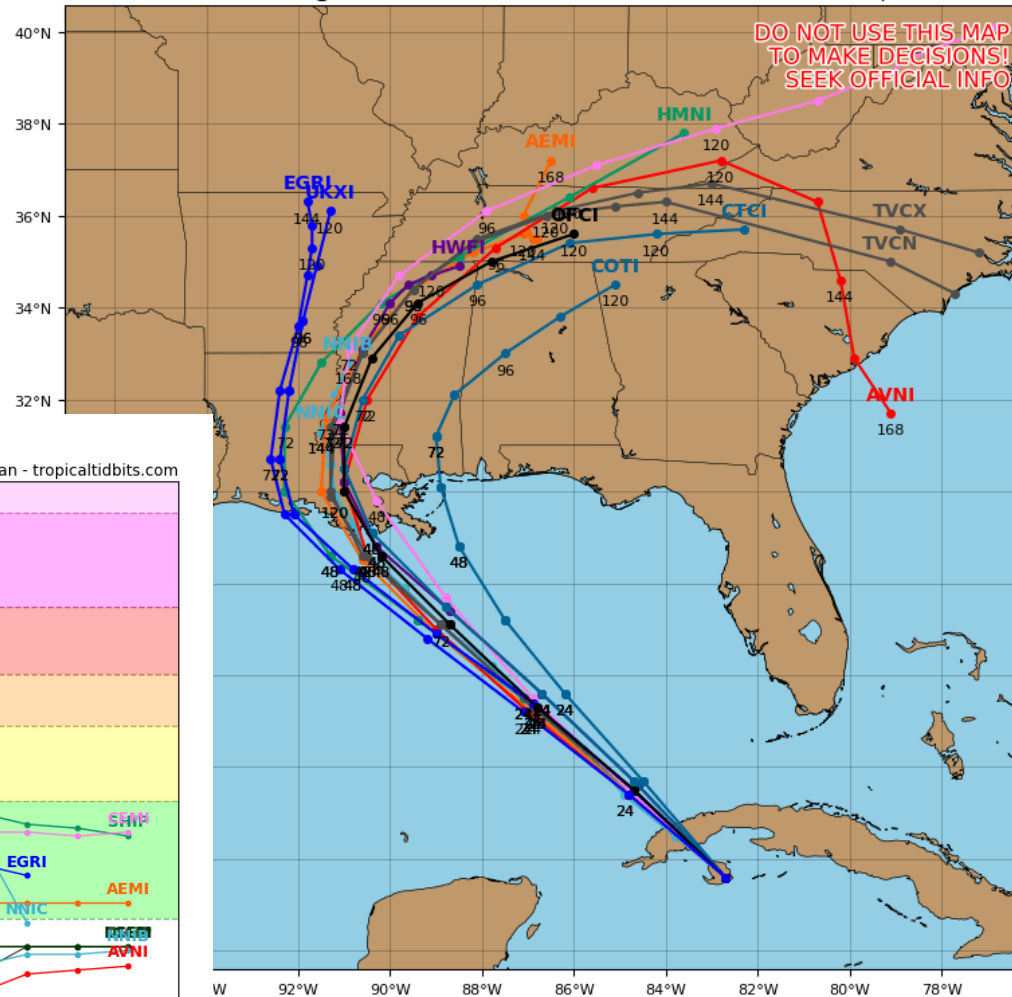
Model Forecast Tracks & Intensity

Dynamical and Statistical Models – Hurricane Ida

Hurricane IDA Model Track Guidance

Initialized at 18z Aug 27 2021

Levi Cowan - tropicaltidbits.com



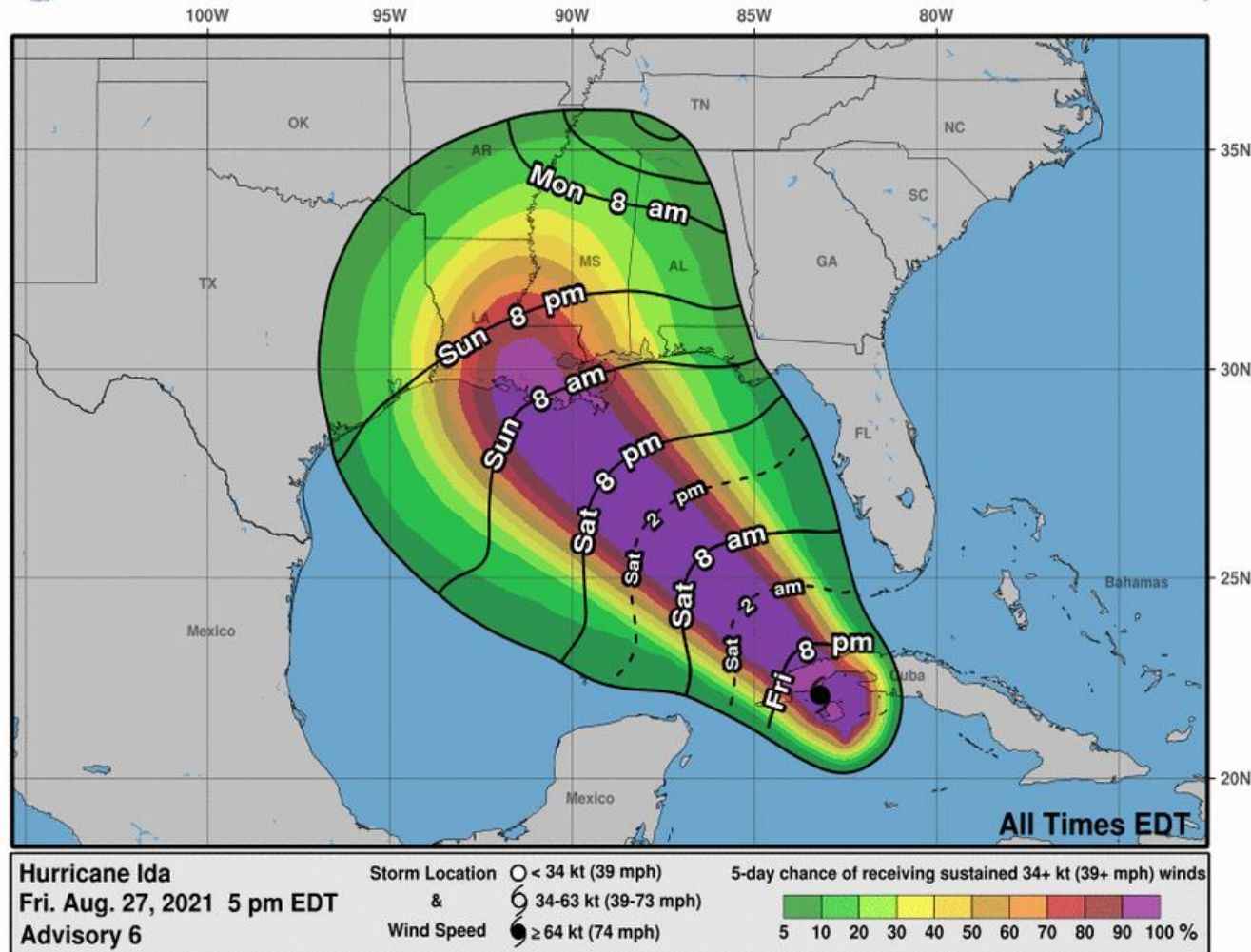


Time of Arrival & Wind Speed Probabilities

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	4%	-16%
Naples	4%	-9%
Venice	5%	-10%
Apalachicola	11%	-12%
Panama City	15%	-12%
Destin	17%	-8%
Pensacola	24%	-9%

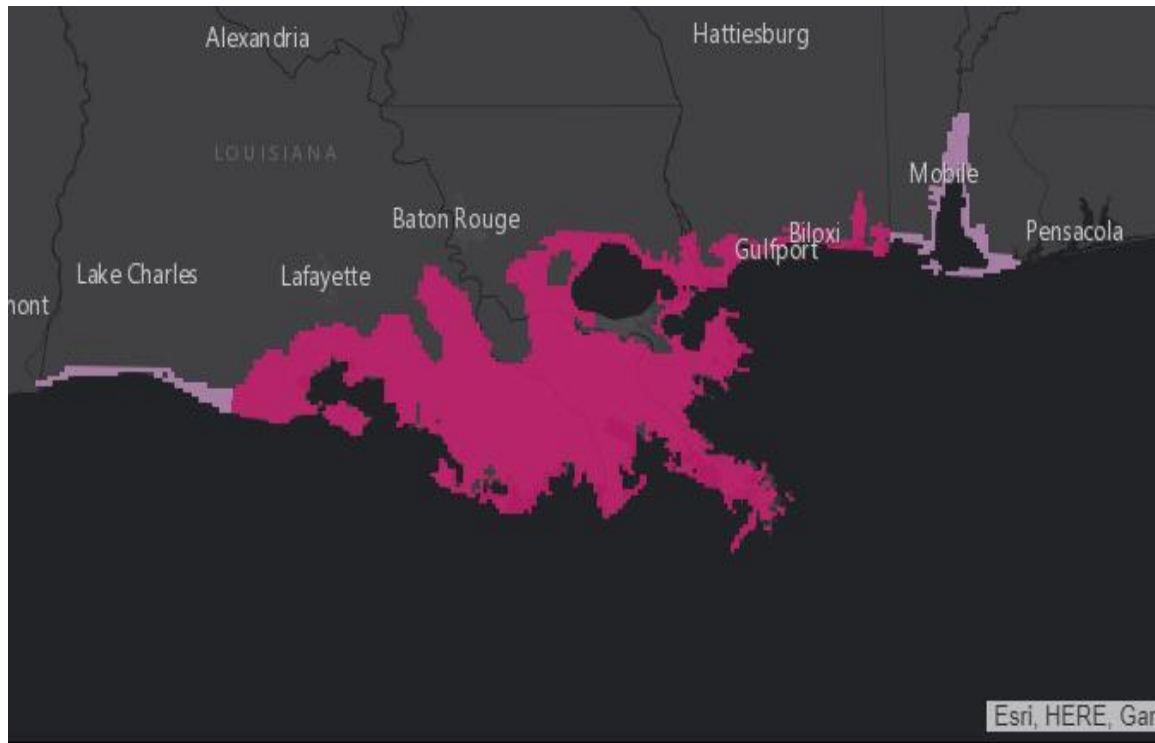
The chance for sustained tropical storm force winds in Florida has decreased, but there is still a 25% or 1 in 4 chance of tropical storm force winds near the Florida/Alabama state line. However, breezy conditions of 20-35mph are still possible tonight along the lower Florida Keys and on Sunday along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



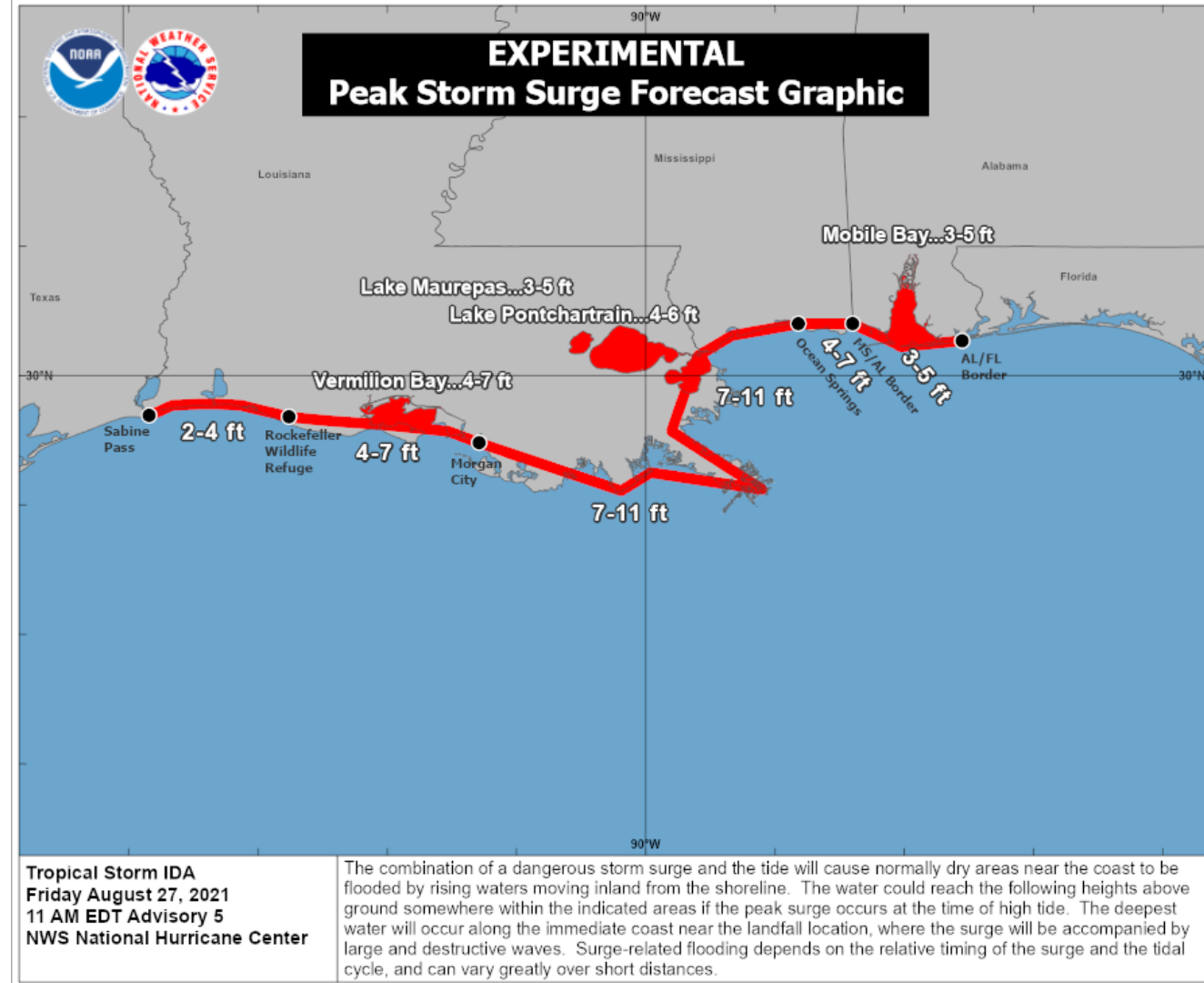
Storm Surge Forecast

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.



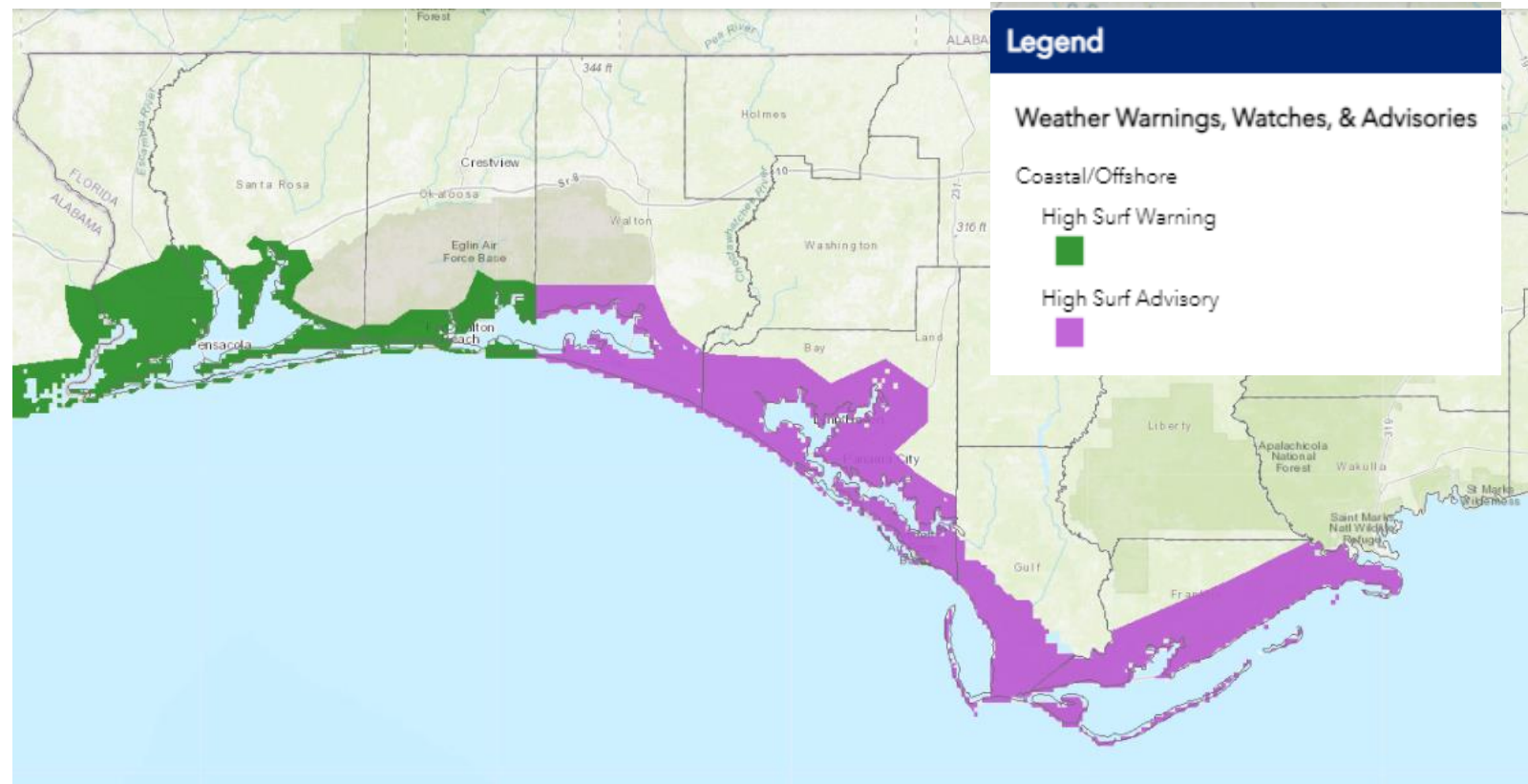
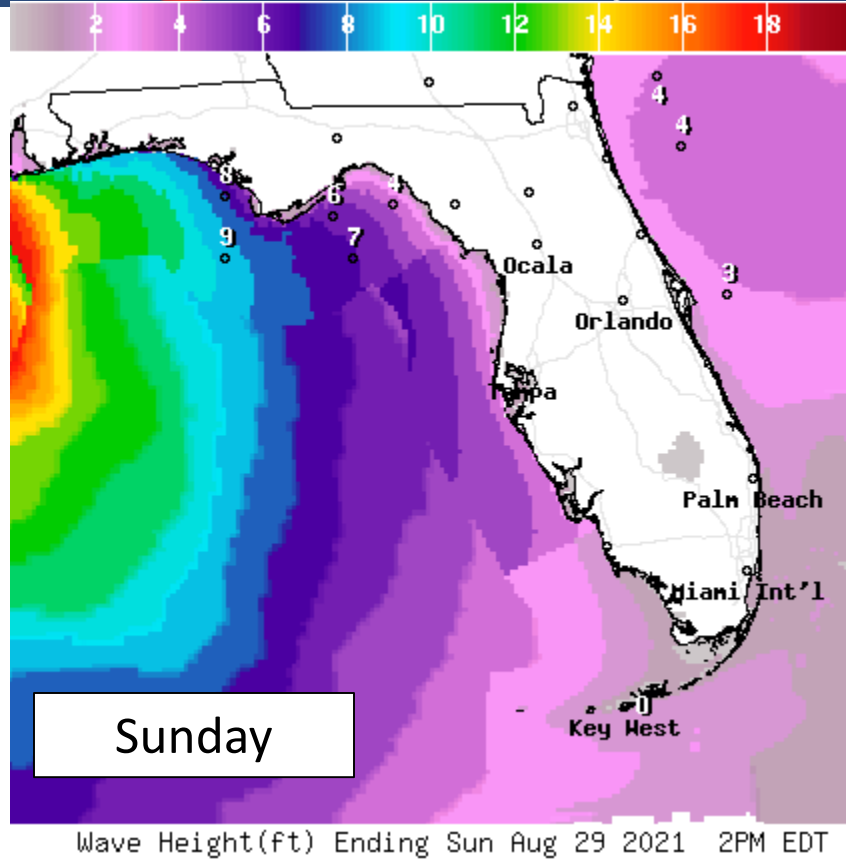
Storm Surge Warning
Storm Surge Watch





Forecast Wave Heights

Saturday through Sunday



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



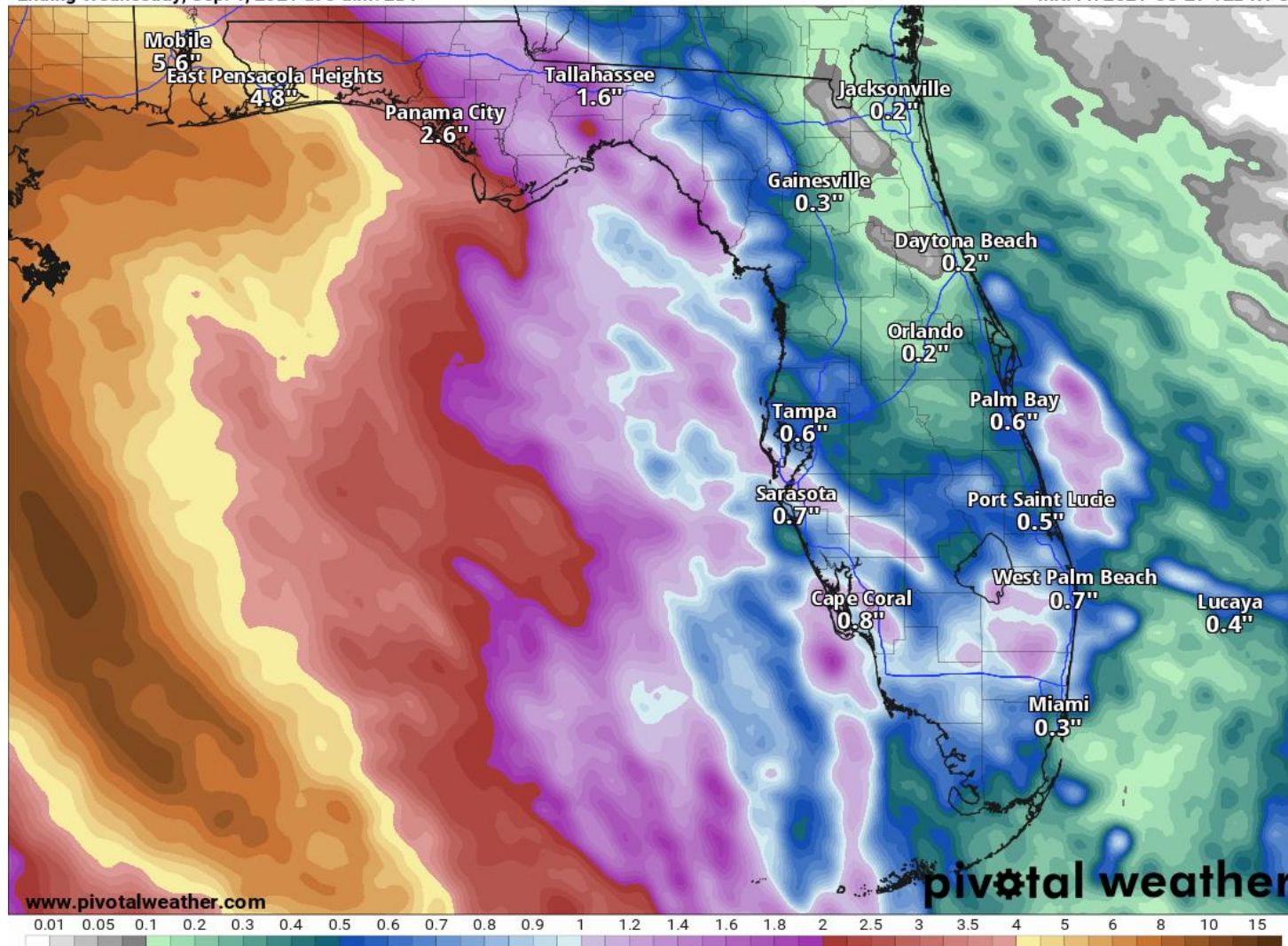
Rainfall Totals Next 5 Days

Ending 8 AM ET Wednesday

120-Hour Precipitation (in)

Ending Wednesday, Sep. 1, 2021 at 8 a.m. EDT

Init: Fri 2021-08-27 12z WPC

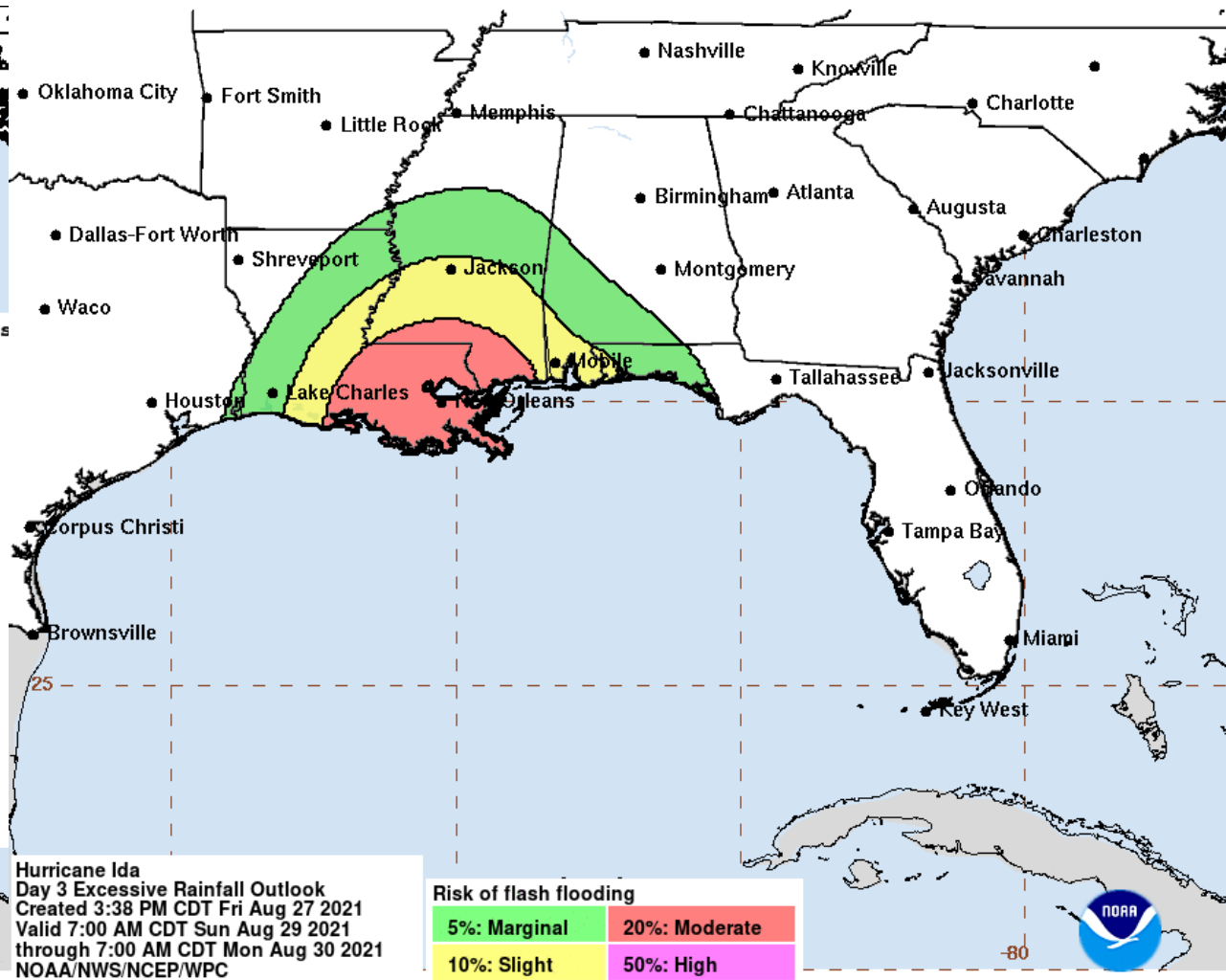
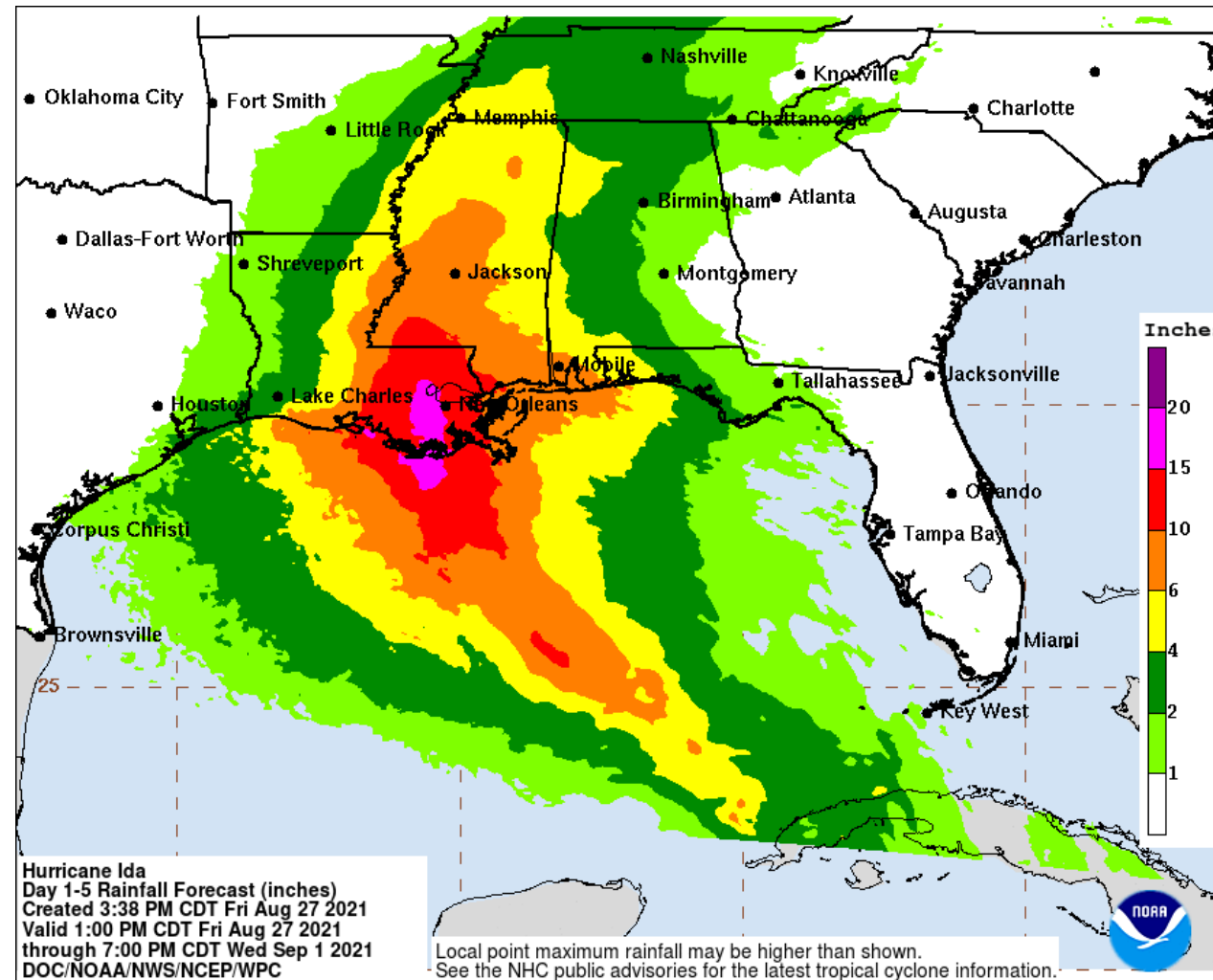


Through the next 3-5 days, most of the heavy rain should be confined to the coast along the western Peninsula with rainfall totals up to 1.5". Along the Panhandle and Big Bend, expect rainfall amounts of 2-4" with localized totals of up to 6-8" possible, especially in the western Panhandle.

Given saturated conditions across North Florida, there is a potential for flash flooding on Sunday, mainly west of US-231.



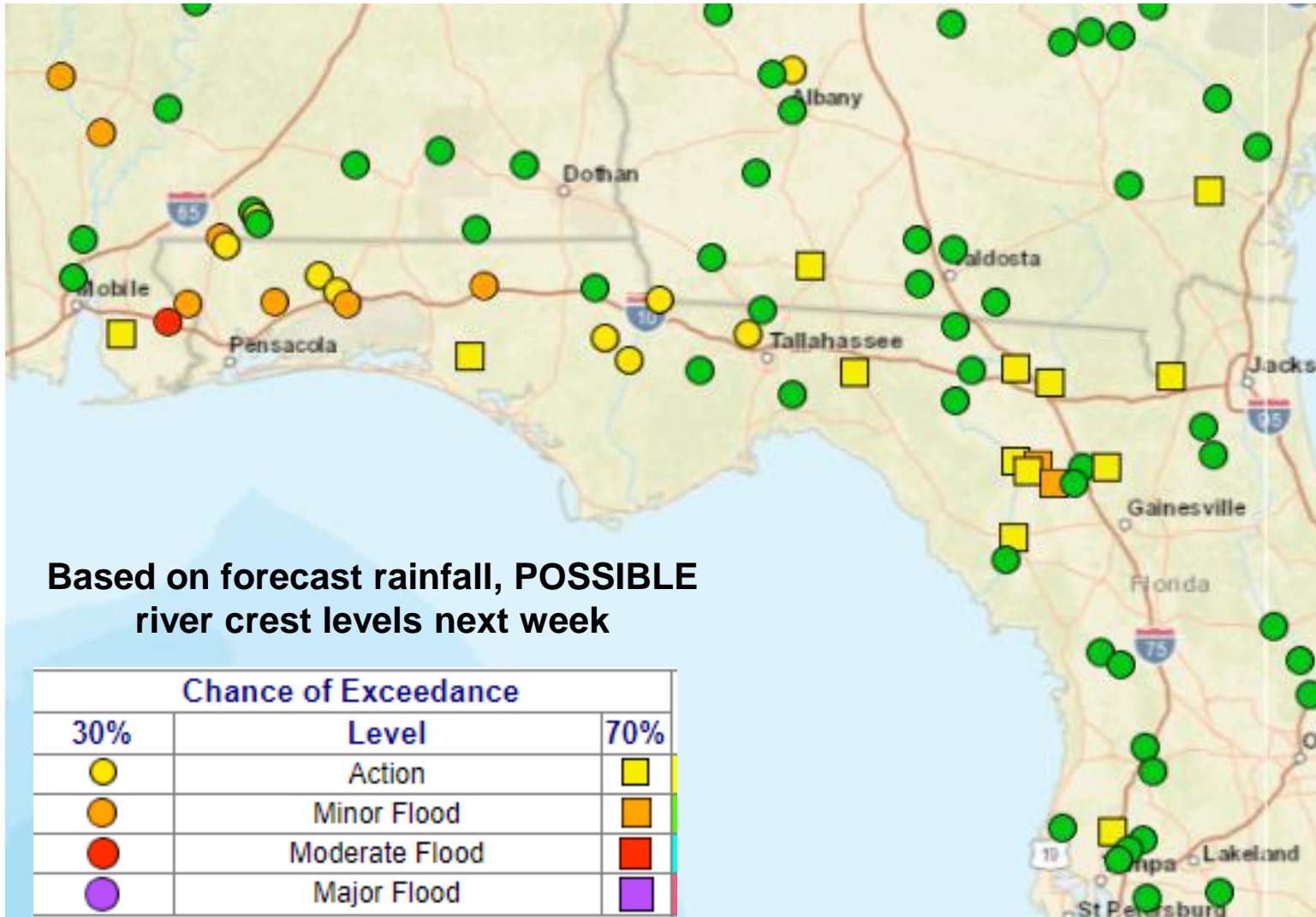
Flash Flood Risk





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	

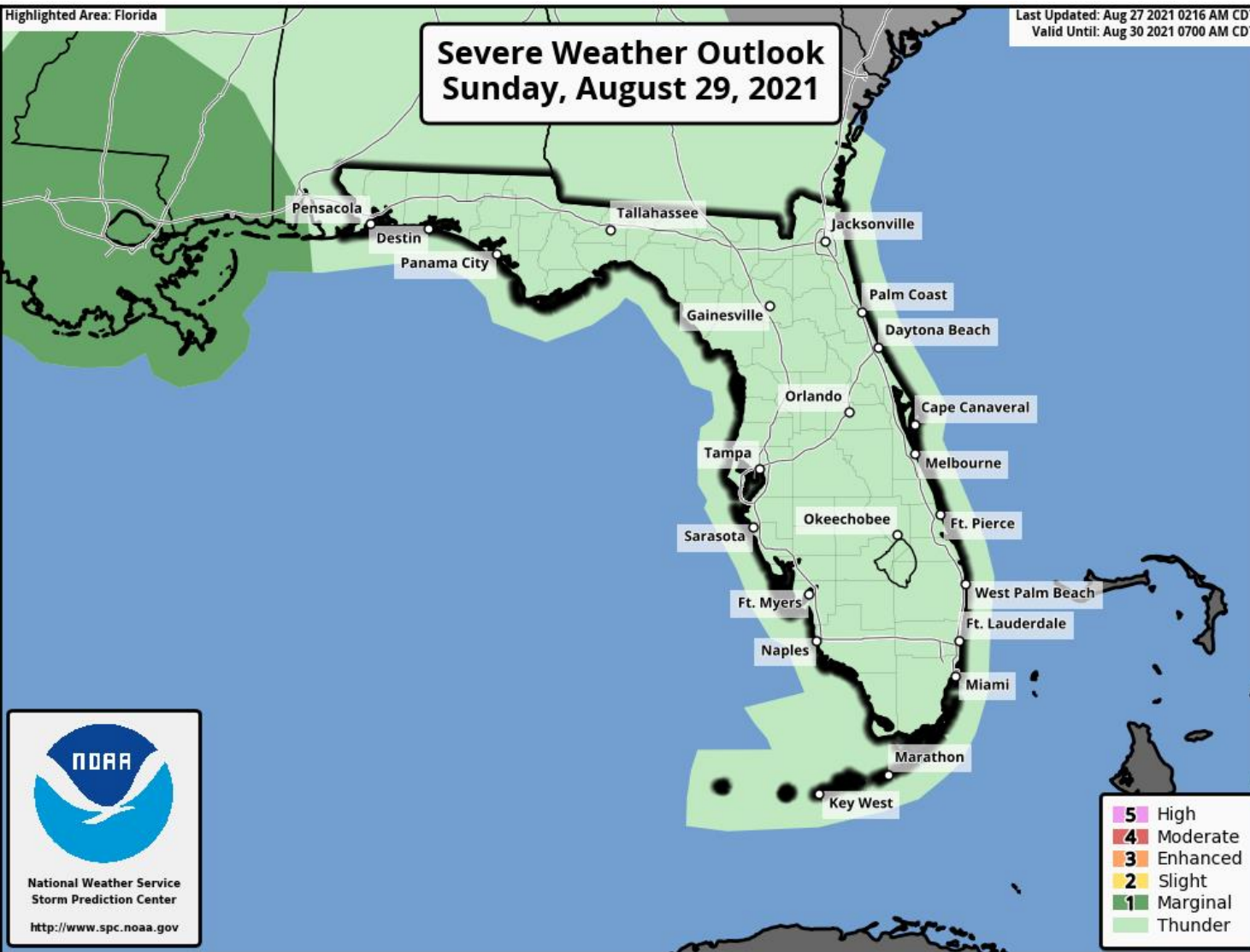
= less than 30% chance of reaching Action level

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](#).



Tornado Threat

From the Storm Prediction Center



- Current guidance suggests at least a low probability tornado threat will likely accompany Ida as it makes landfall Sunday.
- Refinements in the forecast, potentially including higher probabilities, may be needed on Saturday and Sunday.
- While the greatest tornado threat appears to be west of the state, an isolated tornado in the Panhandle cannot be ruled out.



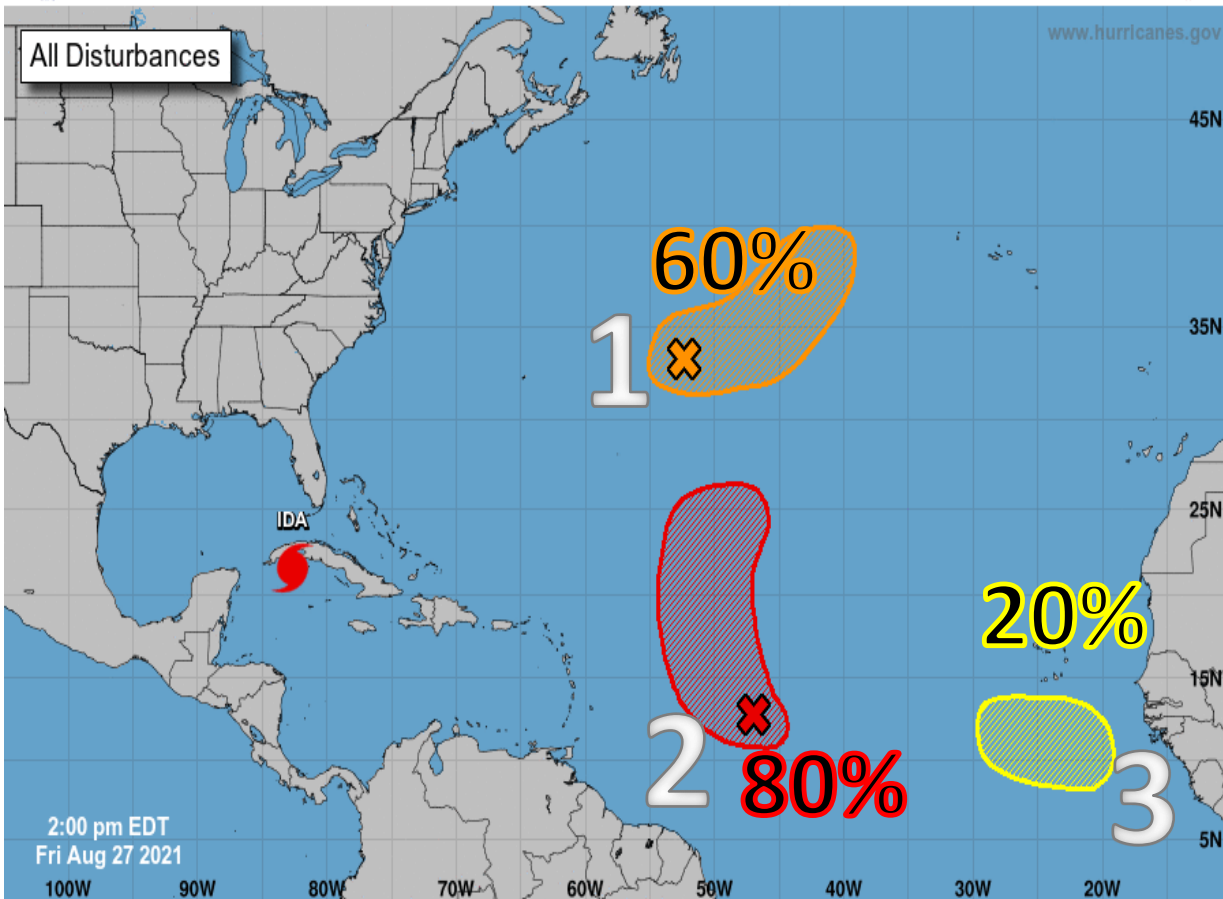
Tropical Weather Outlook

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. An elongated area of low pressure several hundred miles east of Bermuda is producing disorganized showers and thunderstorms. Conditions are marginally conducive for development, but a tropical depression could still form over the weekend. The system is expected to drift eastward through Saturday, then accelerate northeastward Sunday toward the central north Atlantic.

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

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

2. Showers and thunderstorms near a tropical wave midway between the Cabo Verde Islands and the Lesser Antilles have become a little better organized today. Additional development of this system is expected, and a tropical depression is likely to form later tonight or Saturday before it moves into an environment of stronger upper-level winds and slightly cooler waters. The disturbance is forecast to move west-northwestward through tonight, then turn northward Saturday.

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

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

3. Another tropical wave is expected to emerge off of the west African coast by the middle of next week. Conditions appear marginally 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...low...20 percent.**

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



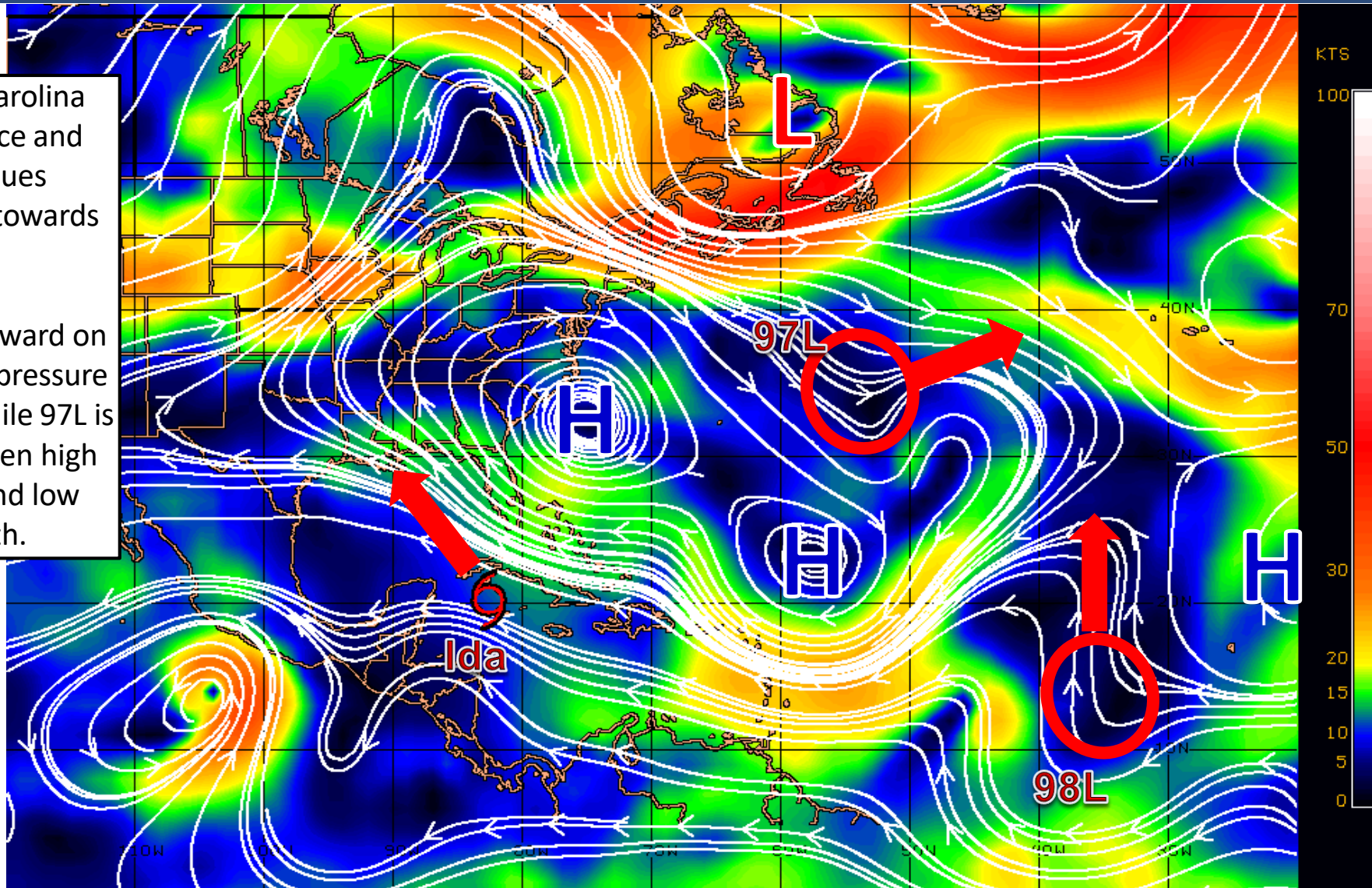
Steering Currents

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 continues northwestward motion towards Louisiana.

98L 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

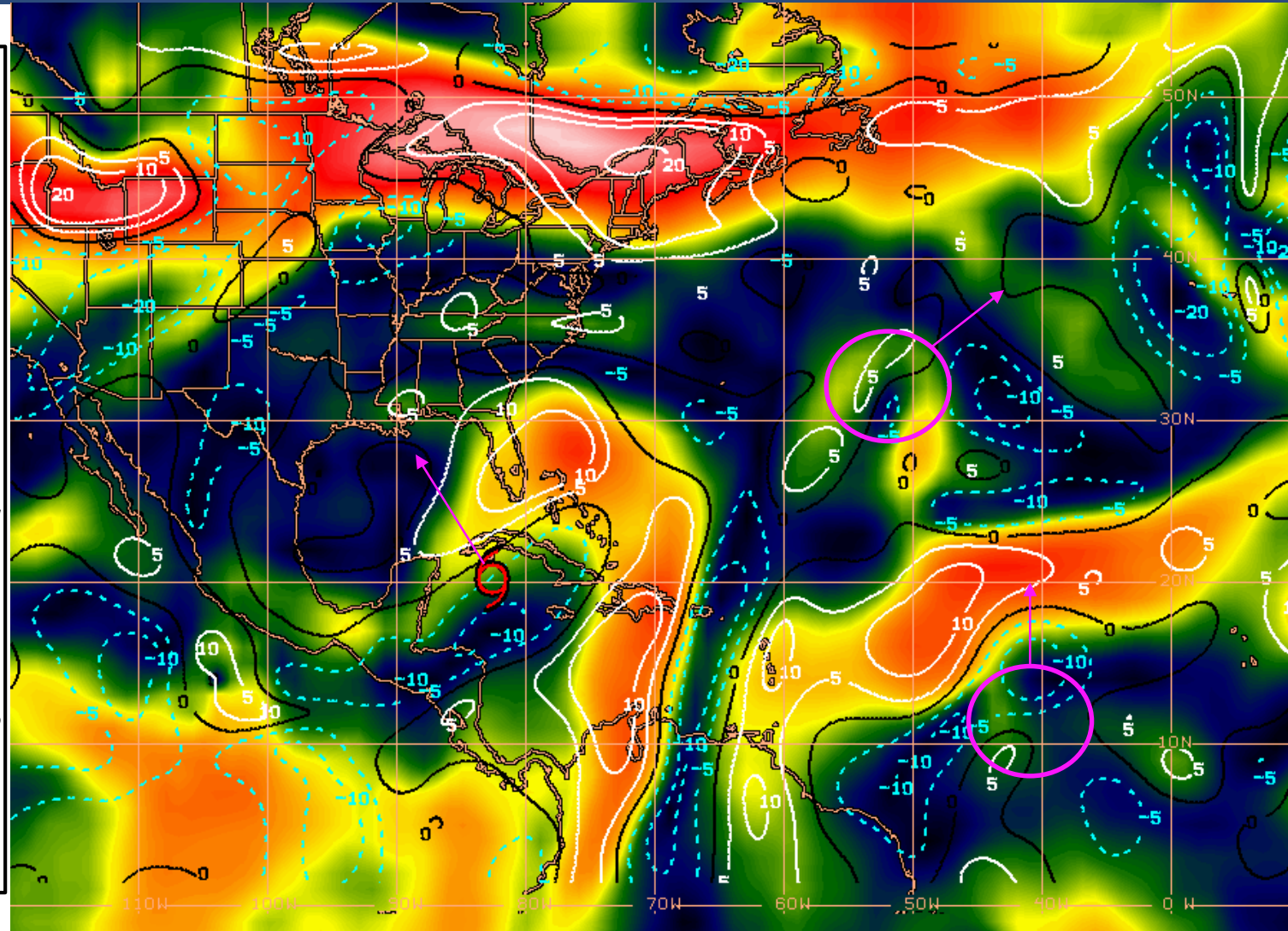
Is the environment favorable for the system?

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 to moderate wind shear, but will move into a favorable atmospheric environment with low wind shear tomorrow.

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

98L 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.



Current
Shear
KTS

HIGH Shear
(Unfavorable)

HIGH Shear
(Unfavorable)

MODERATE
Shear
(Neutral)

LOW Shear
(Favorable)

Shear Tendency (KTS) Over Past 24 Hours: Increasing — Decreasing ----

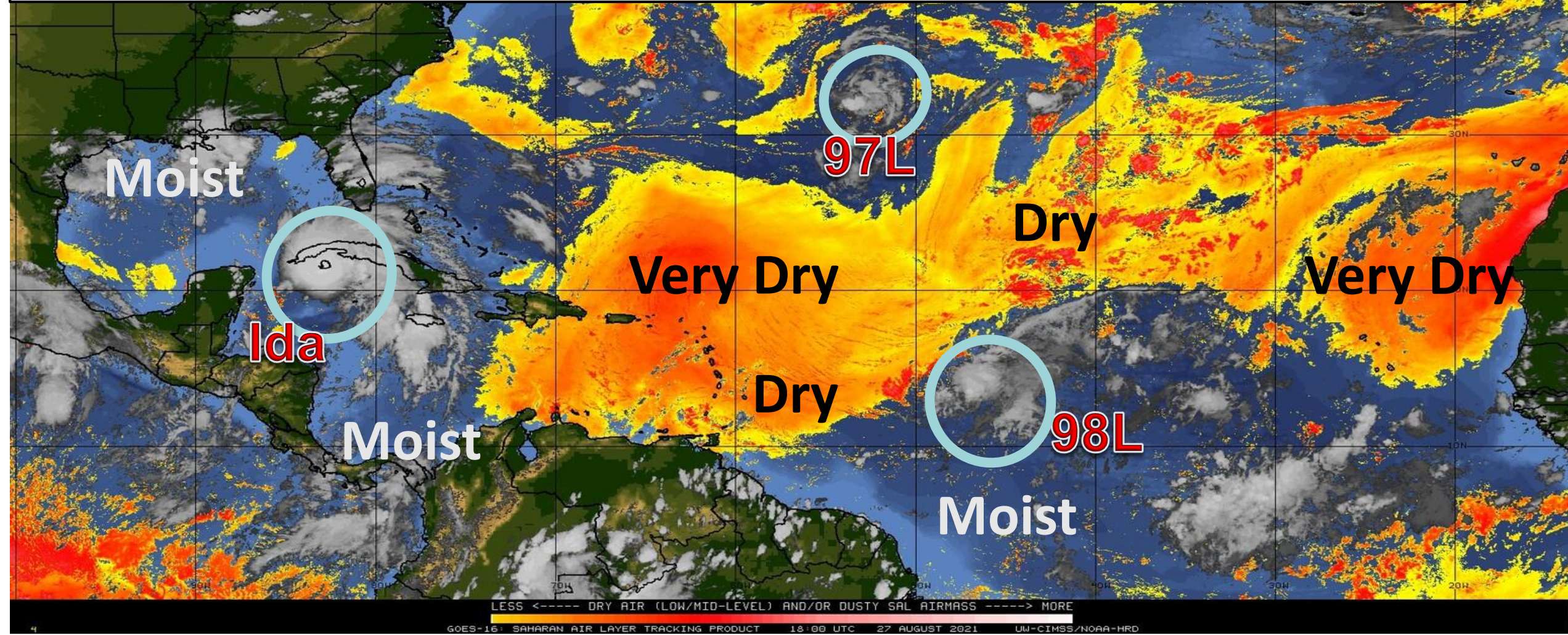


Dry Air & Saharan Dust

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. 98L 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.





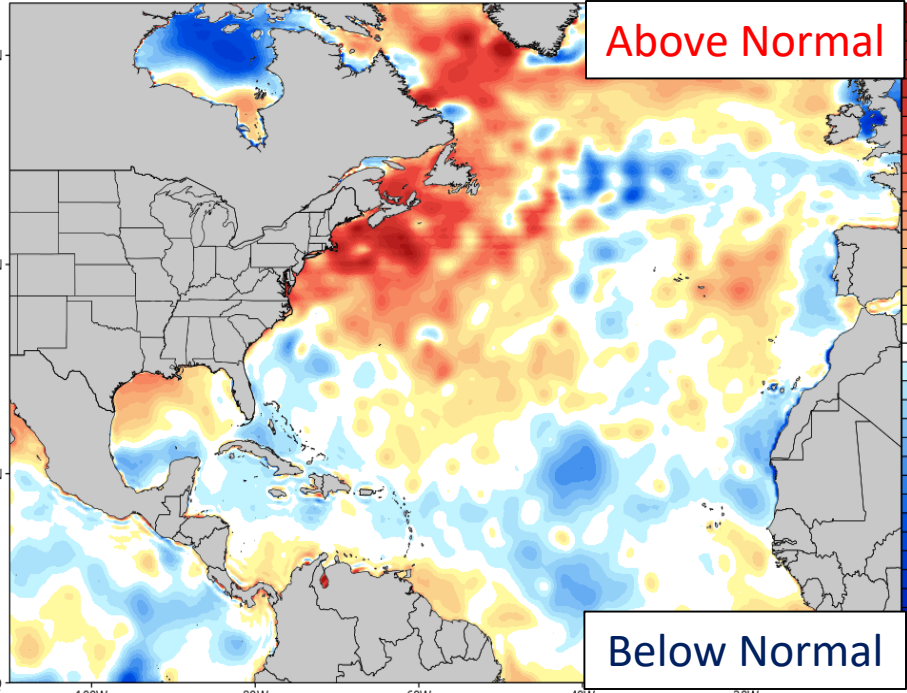
Sea Surface Temperatures & Anomalies

Is the ocean favorable for the system?

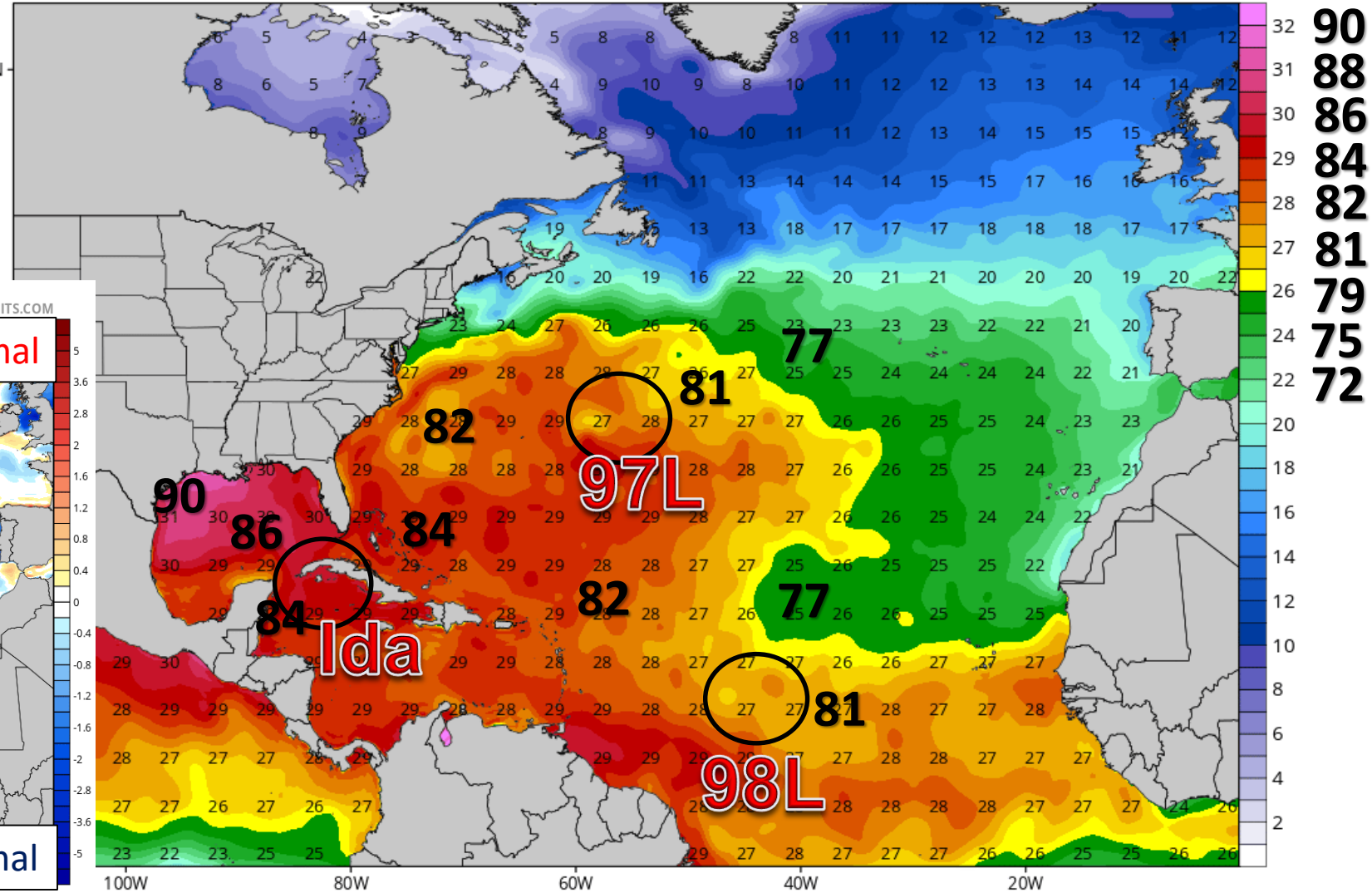
Water temperatures are currently supportive of development for all three tropical systems.

Given the warm temperatures across the Gulf of Mexico, strengthening is likely as Ida approaches the northern Gulf Coast. 97L and 98L 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:

- Tropical Storm Ida was upgraded to Hurricane Ida at 1:15pm ET Friday with maximum sustained winds near 75 mph.
- At 5 PM ET Friday, Hurricane Ida was located in the far northwestern Caribbean Sea 45 miles northwest of the Isle of Youth, or about 195 miles South of Key West, Florida, and moving to the northwest around 15 mph.
- Maximum sustained winds have increased to 80 mph. Steady strengthening is forecast tonight, followed by a potential for rapid intensification as Ida travels through the southeastern and central Gulf of Mexico on Saturday. With very conducive atmospheric and oceanic conditions in place, computer models and the official forecast show that Ida is likely to be a major hurricane (Category 3 or higher) when it makes landfall on Sunday in southeastern Louisiana.
- After landfall, a slower north and northeast movement into Mississippi and Tennessee is expected while weakening.

Bermuda Tropical Low (Invest 97L):

- Invest 97L located about 600 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.

Central Atlantic Tropical Wave (Invest 98L):

- Invest 98L located just over 1,000 miles east of the Windward Island has a high chance (80%) of becoming a tropical depression within the next 48 hours before it moves northward 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. While there is a low (20%) chance for development within the next 5 days, conditions appear favorable for development during the middle to later part of next week.

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



Overall Summary

Florida Outlook:

- Invest 97L & 98L 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 or surge watches or warnings for Florida, but breezy winds of 20-35mph are possible late tonight in the lower Keys, and on Sunday and Monday in the Panhandle near the immediate coast.
- 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.
- 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.
- Rainfall amounts of 2-4" are forecast for the western Big Bend and Eastern Panhandle, with widespread rain amounts of 3-5" likely across the western Panhandle and coastal portions of the eastern Panhandle between Sunday and Tuesday. Localized heavier totals of up to 6-8" are possible, especially in the western Panhandle.
- Given saturated conditions across North Florida, there is a greater than normal potential for flash flooding on Sunday, mainly west of US-231. **Flash Flood Watches** are likely to be issued for portions of Northwest Florida on Saturday.
- While the greatest tornado risk will likely be west of Florida, isolated tornadoes in the Florida Panhandle cannot be ruled out on Sunday.

The next briefing packet will be issued on Saturday morning. 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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