



TROPICAL UPDATE



8:00 AM EDT

Sunday, August 29, 2021

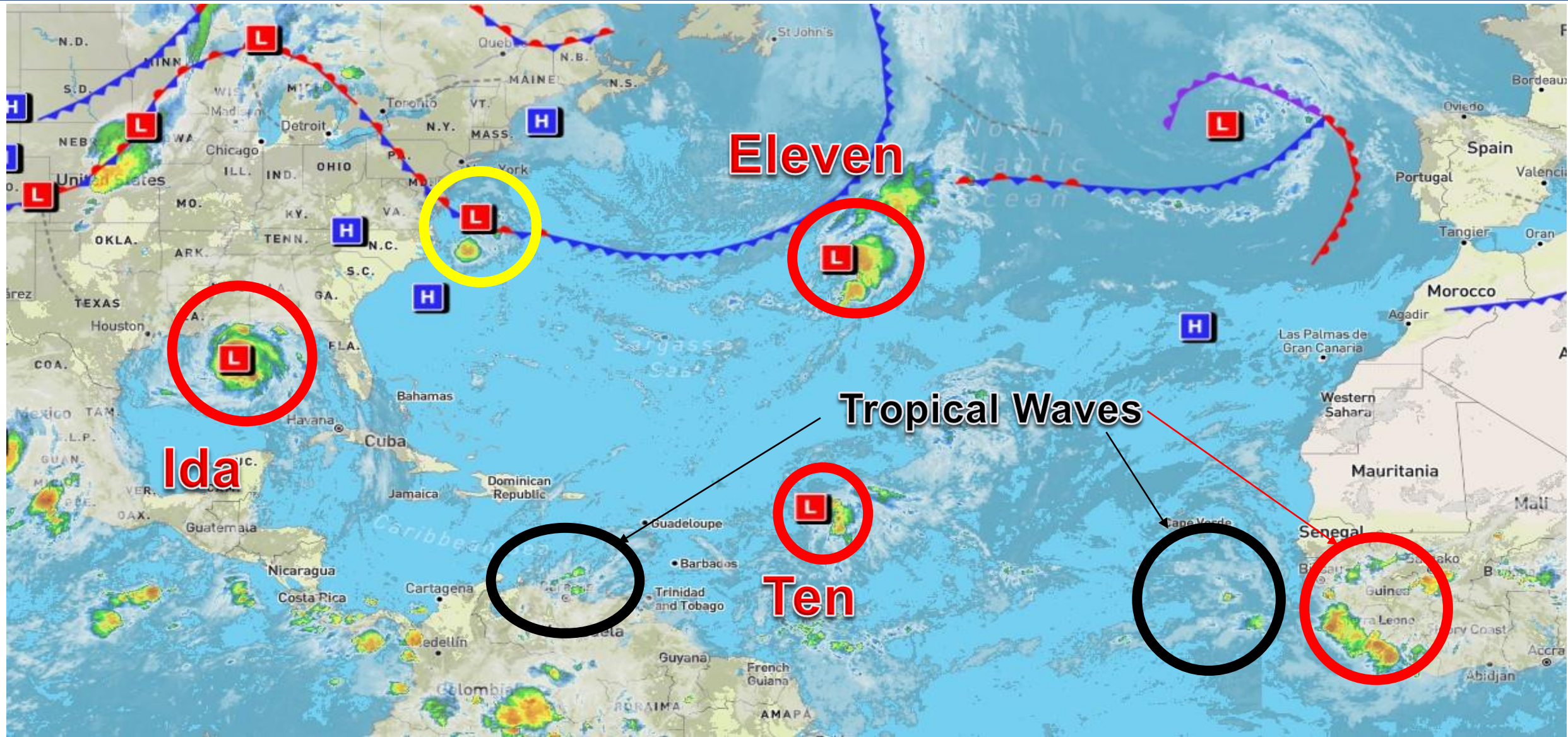
Major Hurricane Ida, Tropical Depression Ten,
Tropical Depression Eleven, the Next Tropical
Wave (80%), & Mid-Atlantic Low (20%)

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

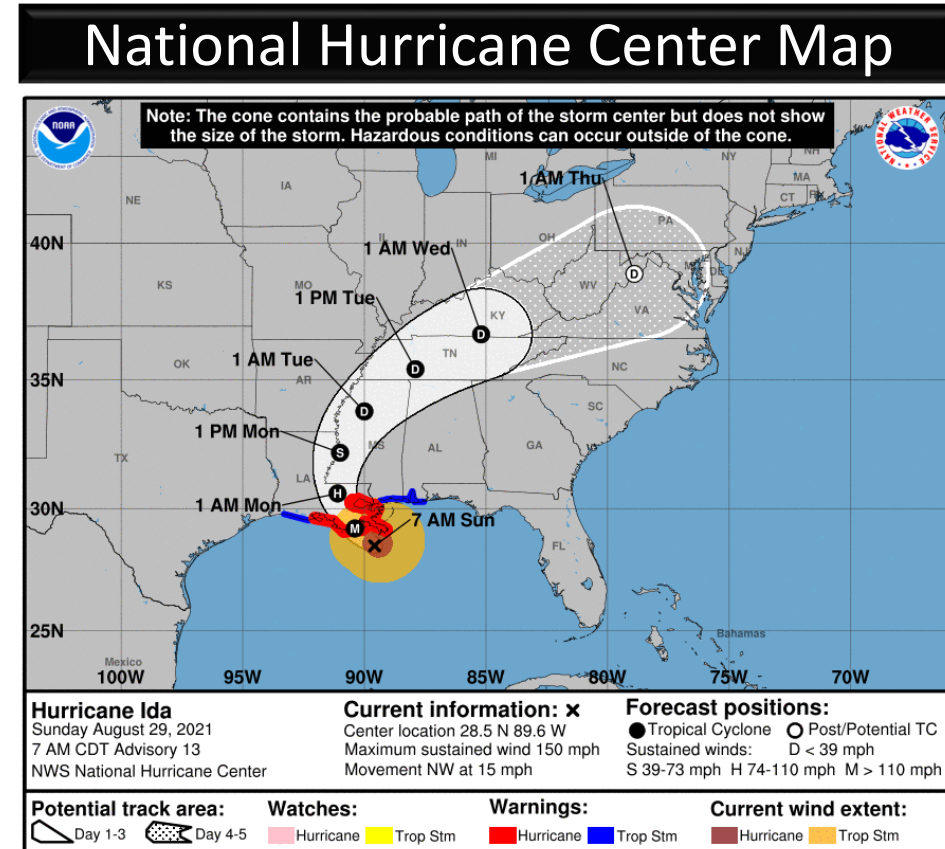




Hurricane Ida

8 AM ET Sunday: 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 150 mph (Category 4). Additional strengthening will continue until landfall this afternoon in Louisiana.

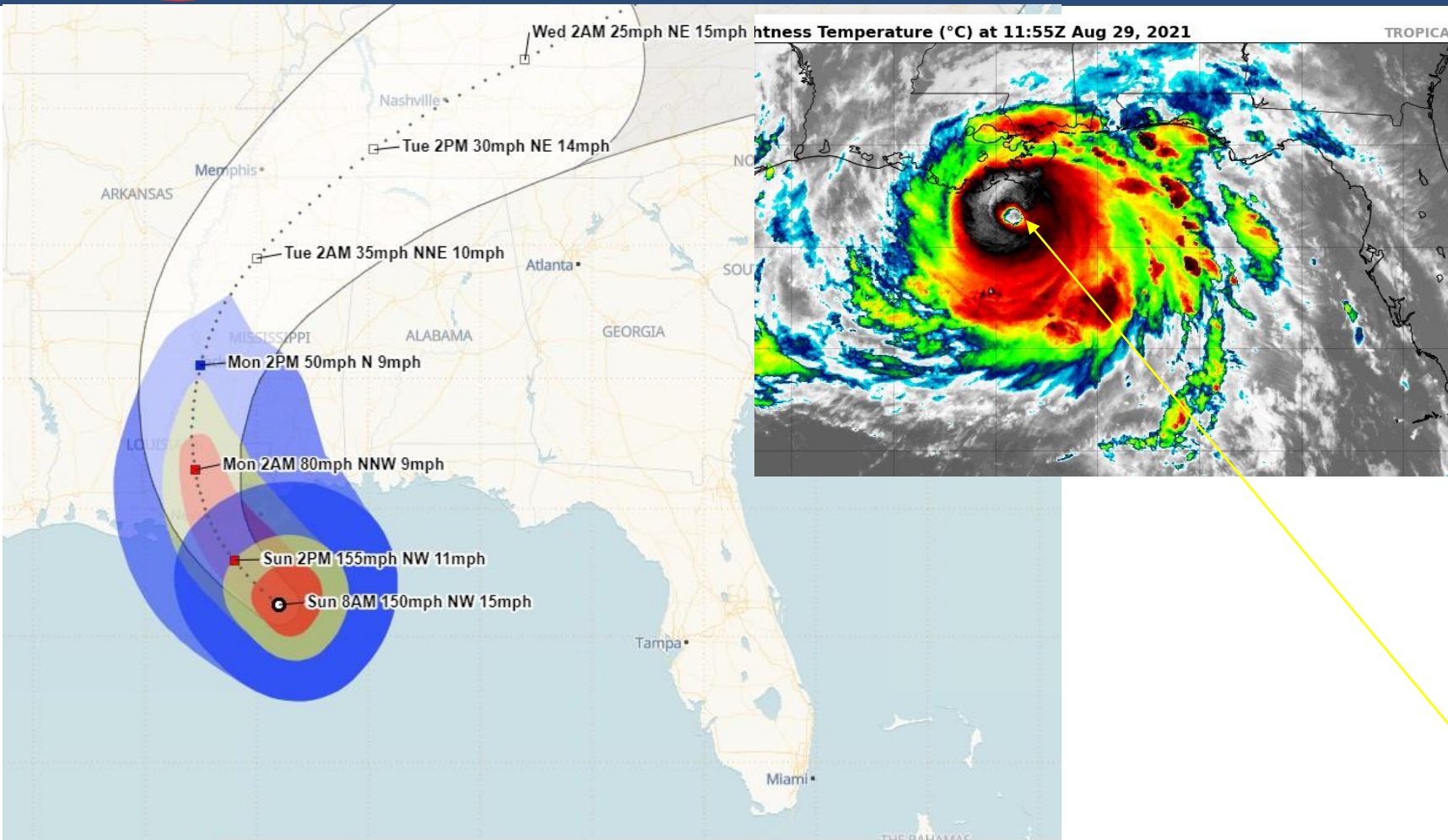
Okaloosa County added to the Flash Flood Watch.

Tornado Watch is in effect today for Escambia, Santa Rosa, and Okaloosa County.



Official Forecast Track

From the National Hurricane Center



HURRICANE IDA - Sunday, August 29, 2021 8AM EDT Advisory #13

Center Location: 28.5 N 89.6 W Maximum Sustained Winds: 150 mph (Cat 4) Movement: 15 mph NW

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

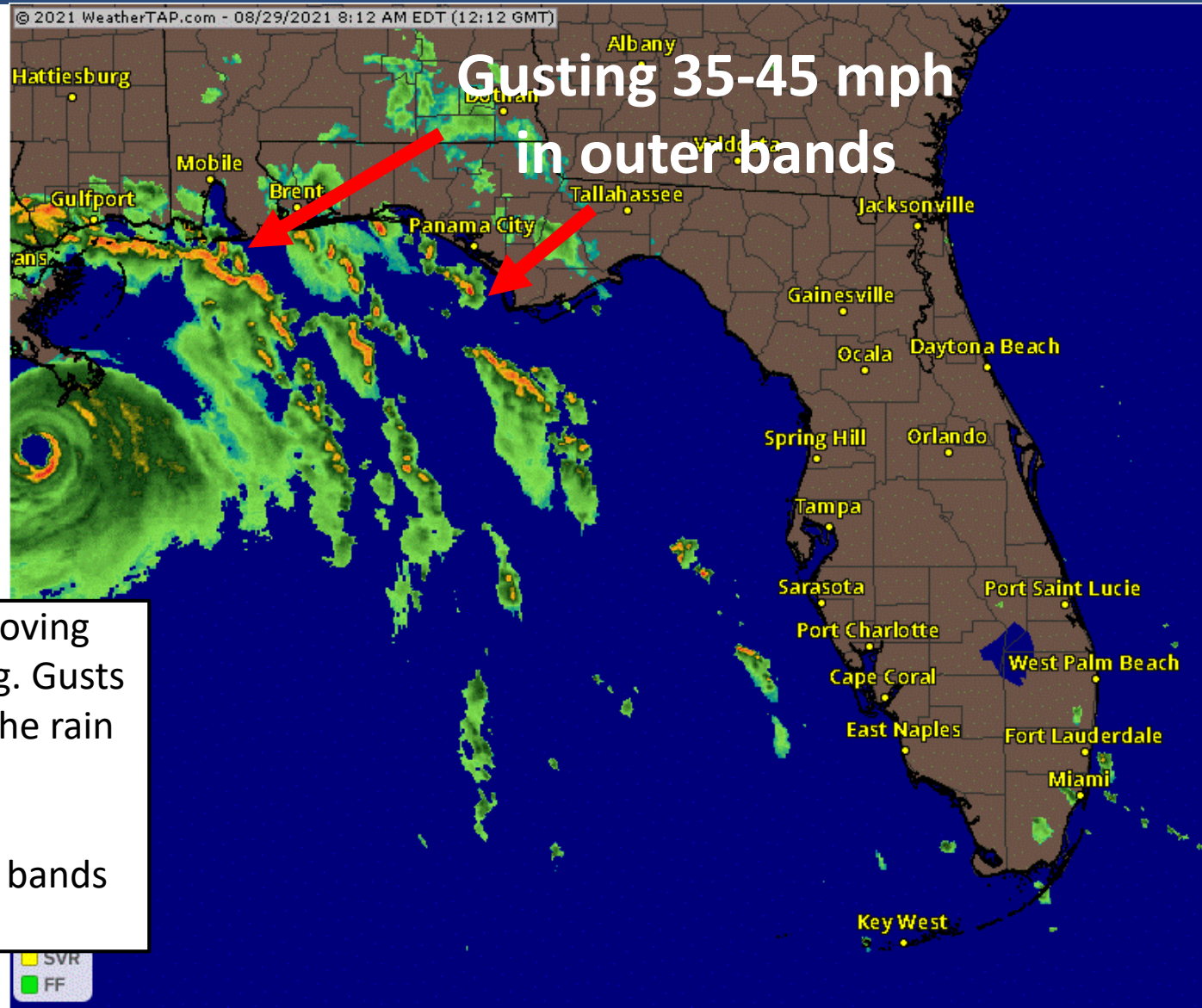
Sustained Wind Speed: tropical storm ≥ 34 kt/39mph strong tropical storm ≥ 50 kt/58mph hurricane ≥ 64 kt/74mph

- **Location:** 100 miles south-southeast of New Orleans, LA; 200 miles southwest of Pensacola, Florida.
- **Maximum sustained winds:** 150 mph (Category 4).
- **Movement:** NW at 15 mph, and this general motion should continue over the next 12 hours, followed by a turn to the north and northeast on Monday once inland.
- **Forecast:** Ida is forecast to continue to rapidly intensify until it makes landfall this afternoon. It could reach Category 5 (>156 mph) over the next few hours.
- Ida has formed a clear, well-defined eye, and continues to grow with tropical storm force winds extending out 140 miles from the center.



Current Florida Radar

As of 8:15 AM ET



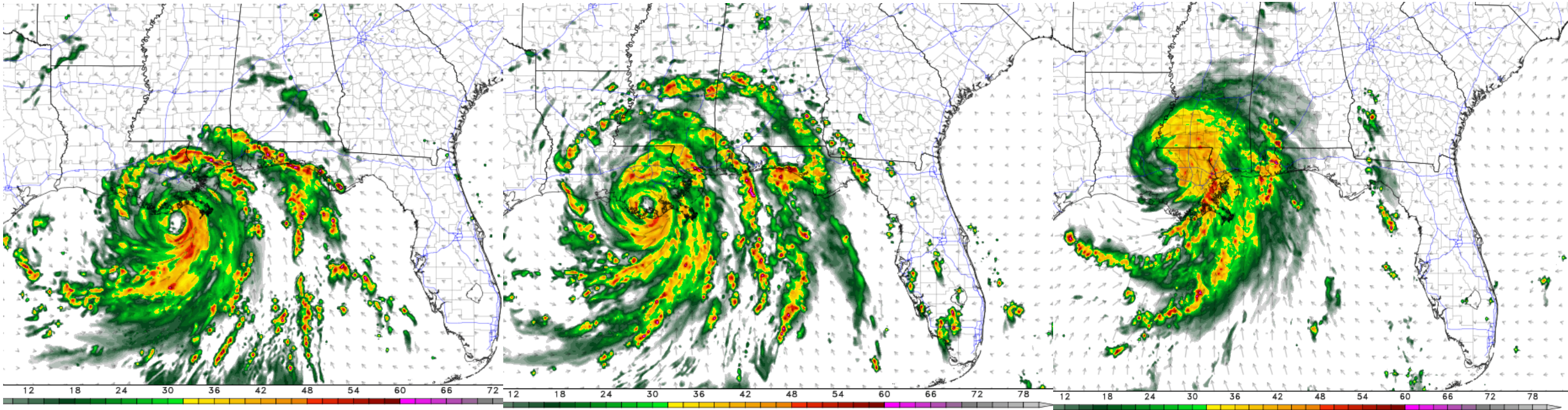
One outer rain bands has been moving through the Panhandle this morning. Gusts 30-45 mph should be expected in the rain bands.

Tornadoes are also possible in rain bands today.



Model Forecast Radar

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



Around Noon

This Afternoon

Sunday Night

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

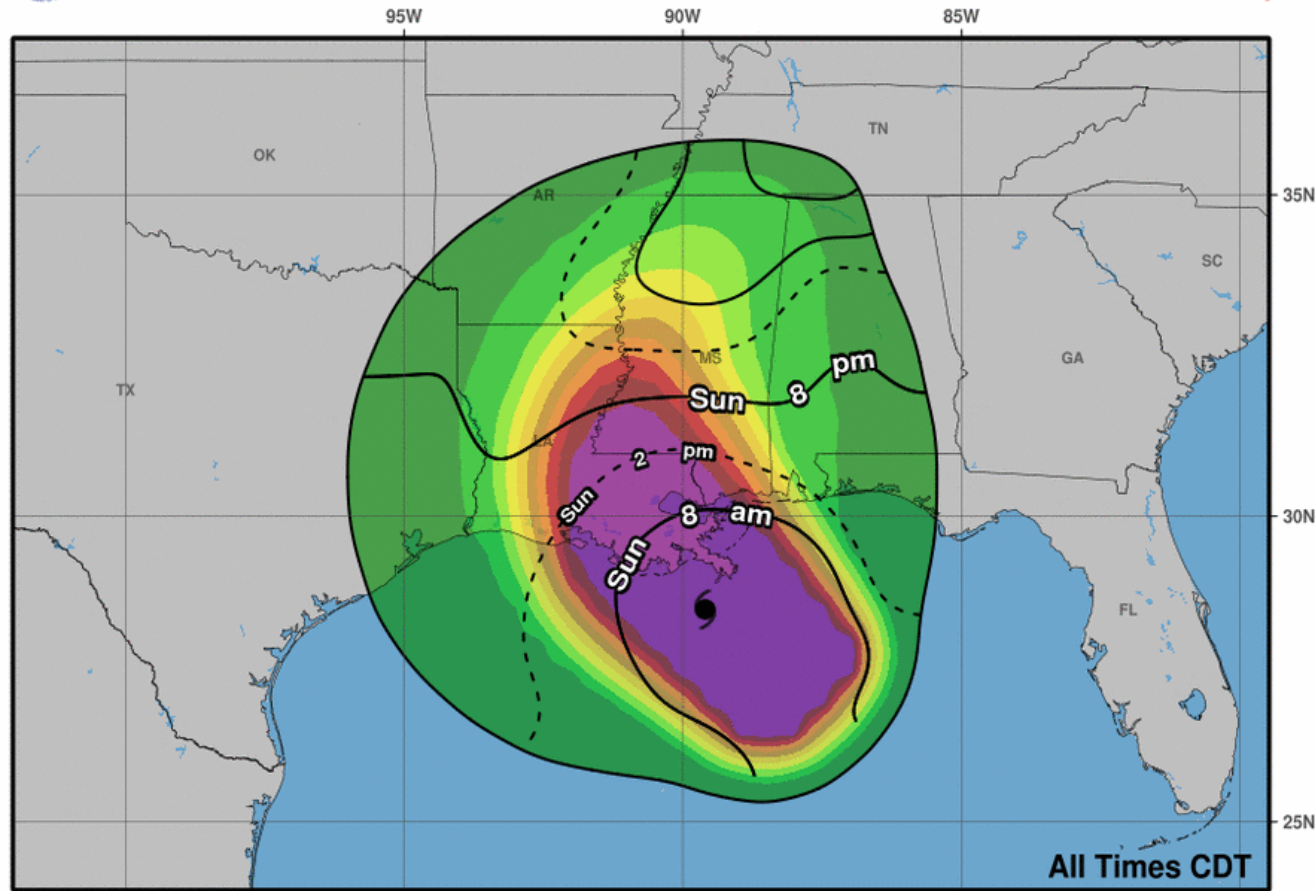


Time of Arrival & Wind Speed Probabilities

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



Most Likely Arrival Time of Tropical-Storm-Force Winds



Hurricane Ida
Sun. Aug. 29, 2021 7 am CDT
Advisory 13

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 %

City

Chance for TS Winds Changes Since Last Packet

Apalachicola

3%

-6%

Panama City

6%

-4%

Destin

8%

-5%

Pensacola

10%

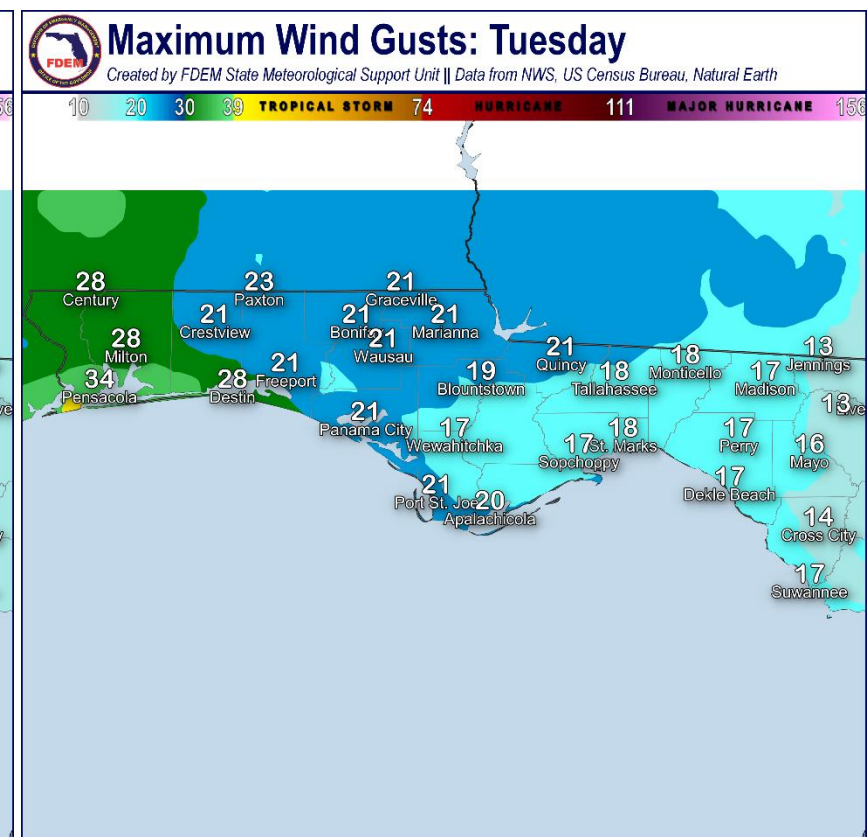
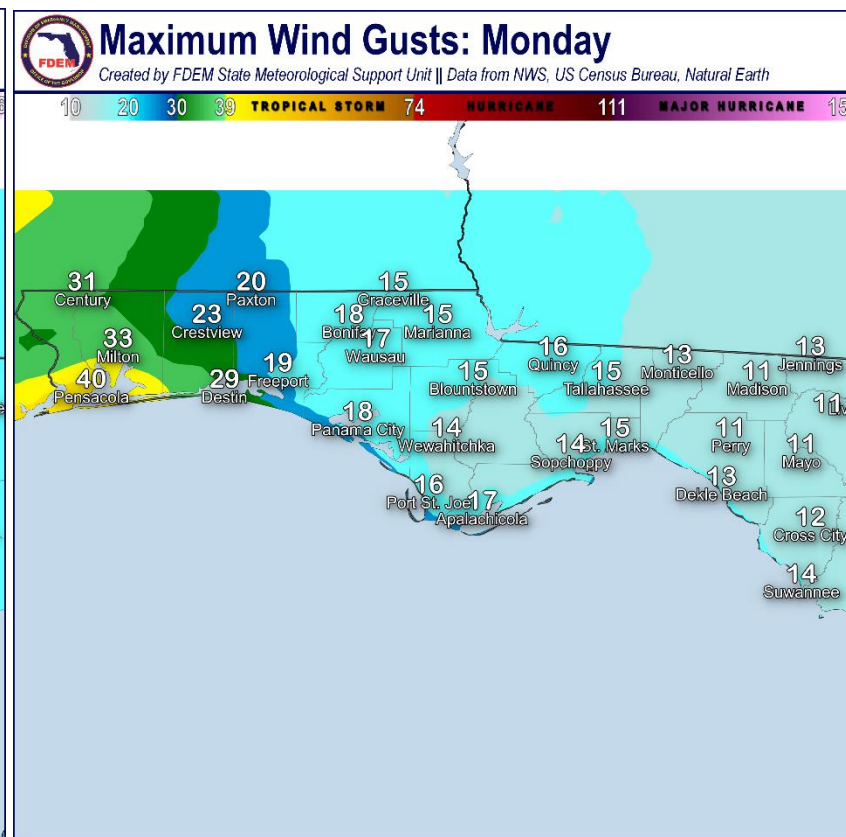
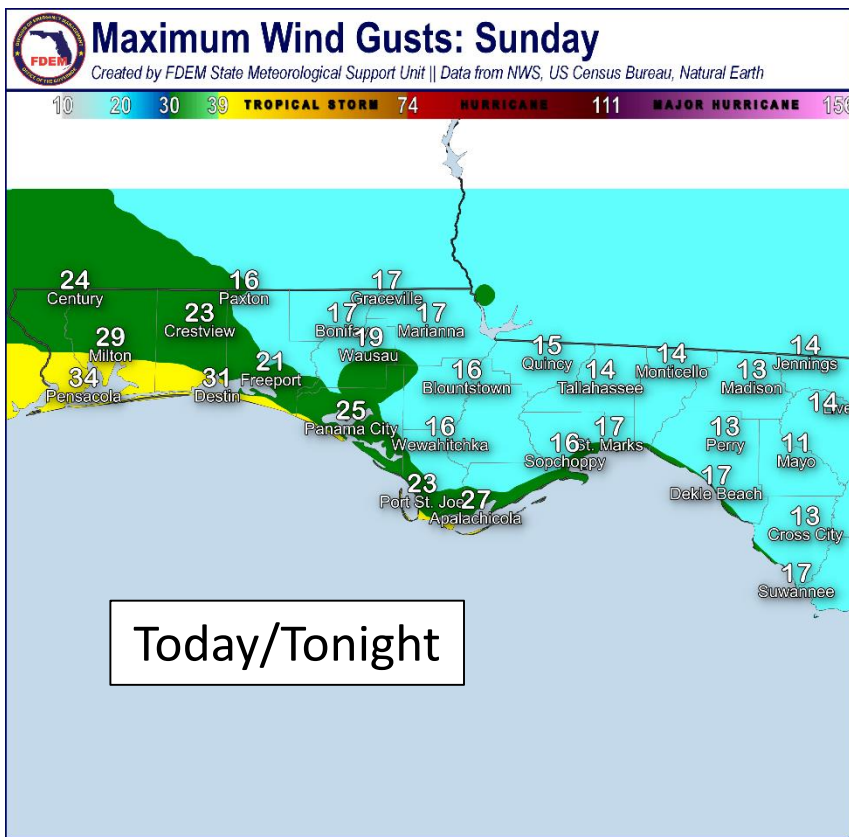
-9%

The chance for sustained tropical storm force winds in Florida has decreased, but some gusts to tropical storm force (>39 mph) are possible in the western Panhandle in any rain bands today. 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 today 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 (**40-45 mph**) along the coast of the western Panhandle, especially in rain bands. Gusty winds will continue into the day on Monday & Tuesday.



Storm Surge Forecast

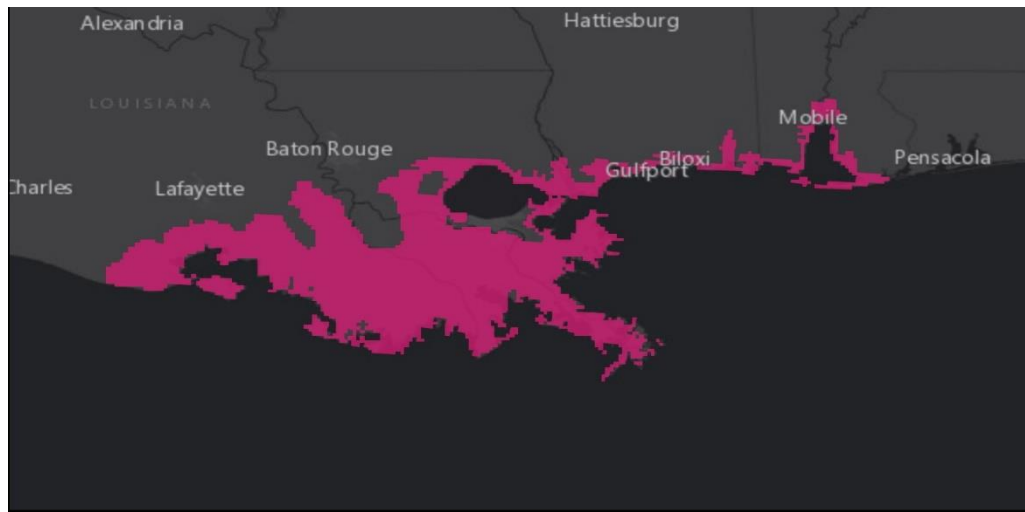
Hurricane Ida

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

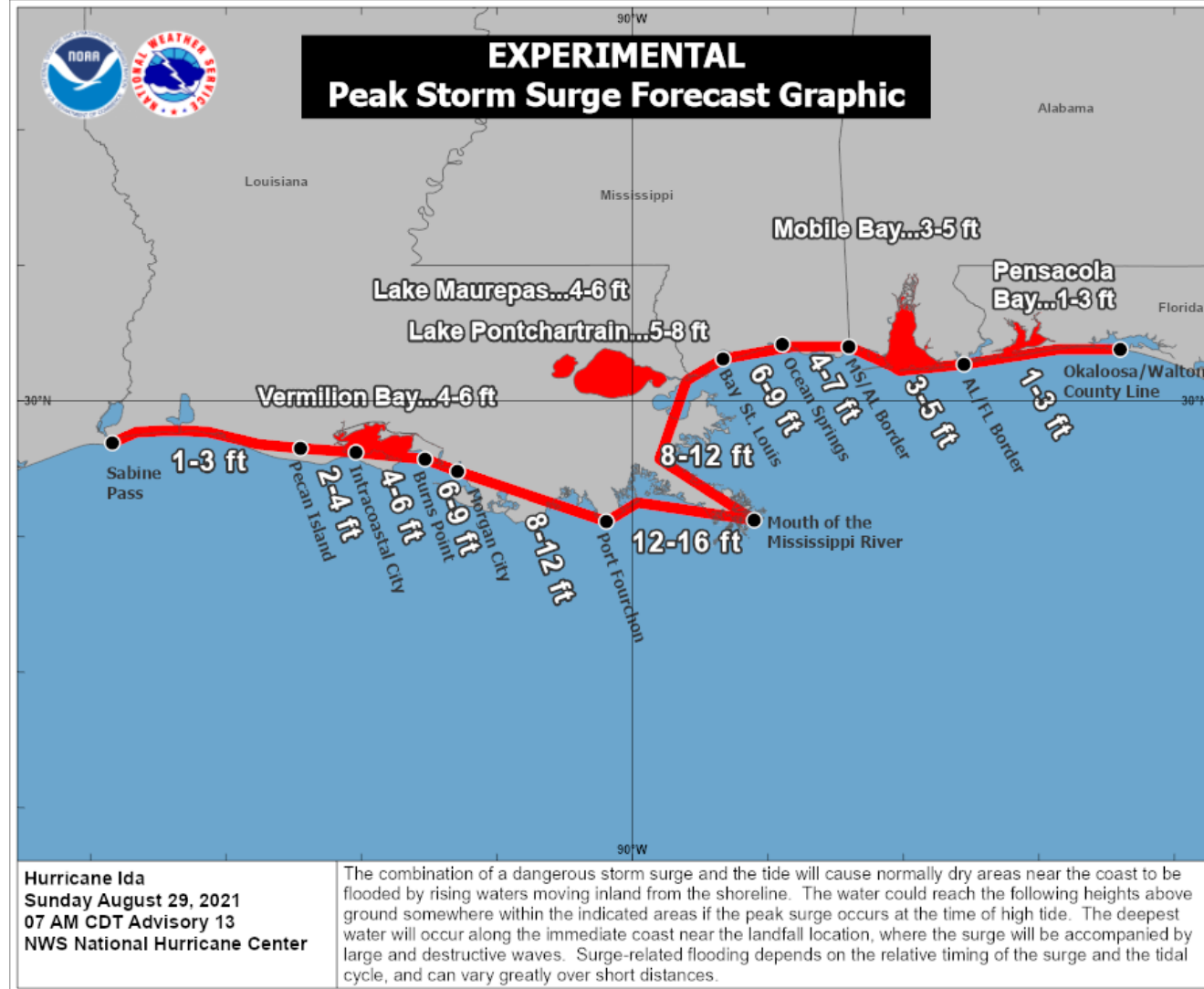
Pensacola tide gauge currently showing 2.4' of surge at this morning's high tide, which is in minor flood stage

[Link Here](#)

1-2' is expected as far east as St. Marks and Coastal Flood Advisories are in effect.



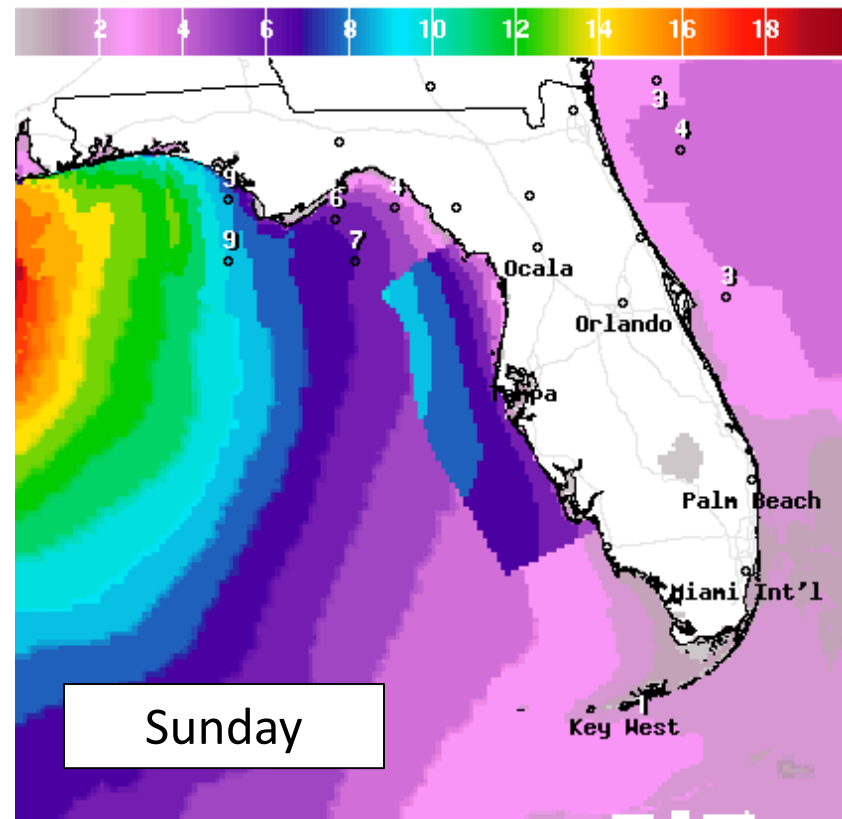
Storm Surge Warning
Storm Surge Watch



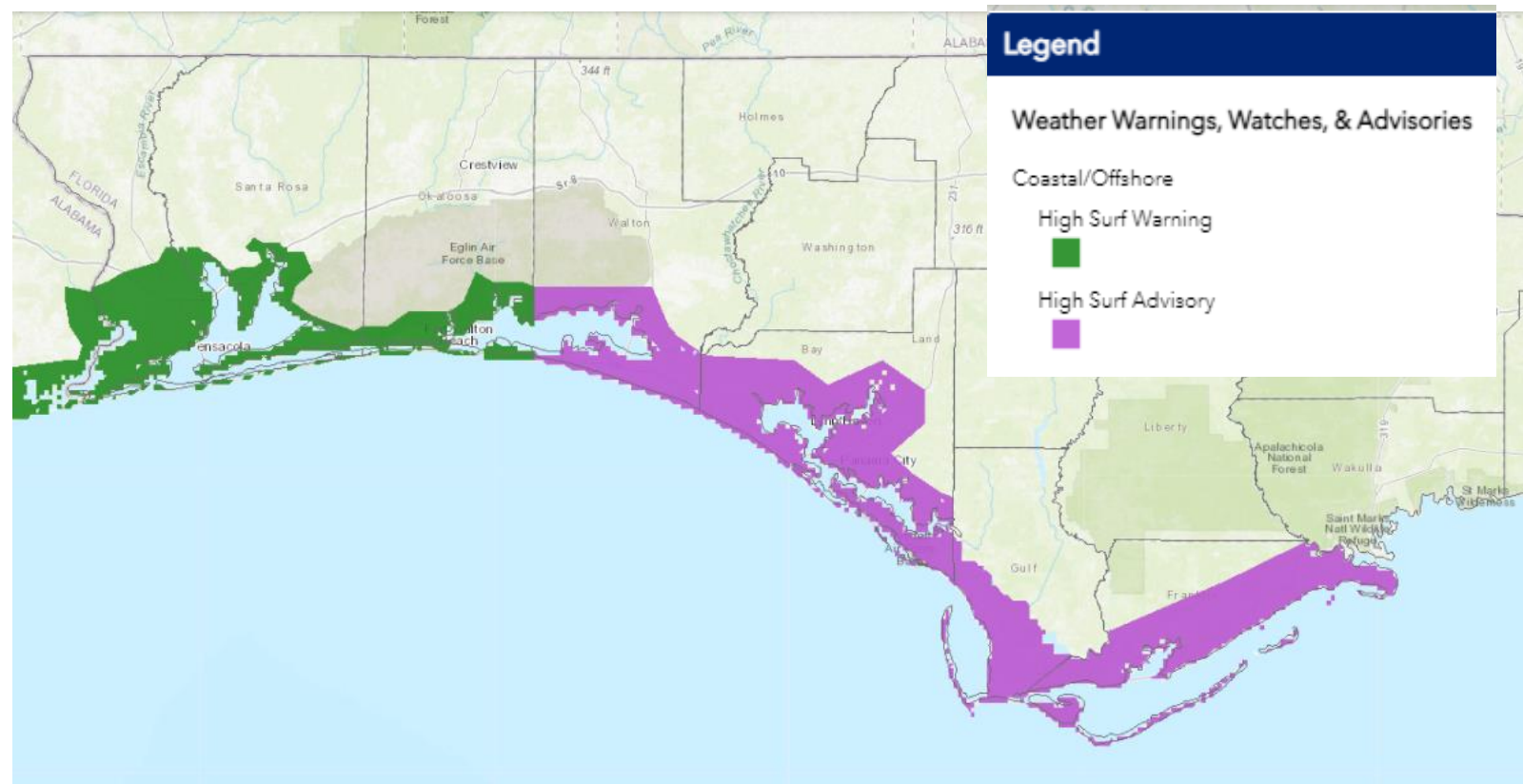


Forecast Wave Heights

Sunday



Wave Height(ft) Ending Sun Aug 29 2021 2PM EDT



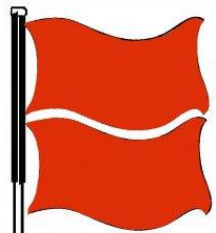
Surf will build along the Florida Gulf Coast today, with breaking waves up to 6-12' possible on Sunday in the Panhandle. Wave heights of 3-6' may continue into Monday. This will result in dangerous rip currents at all Gulf Coast beaches. Minor beach erosion is possible in a few locations.



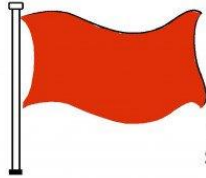
Rip Current Outlook

Today

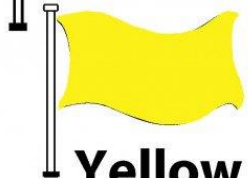
BEACH FLAG WARNING SYSTEM



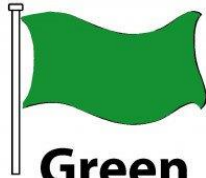
Double Red
Water Closed to
Public Use



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



Yellow
Medium Hazard
(light surf and or
currents)

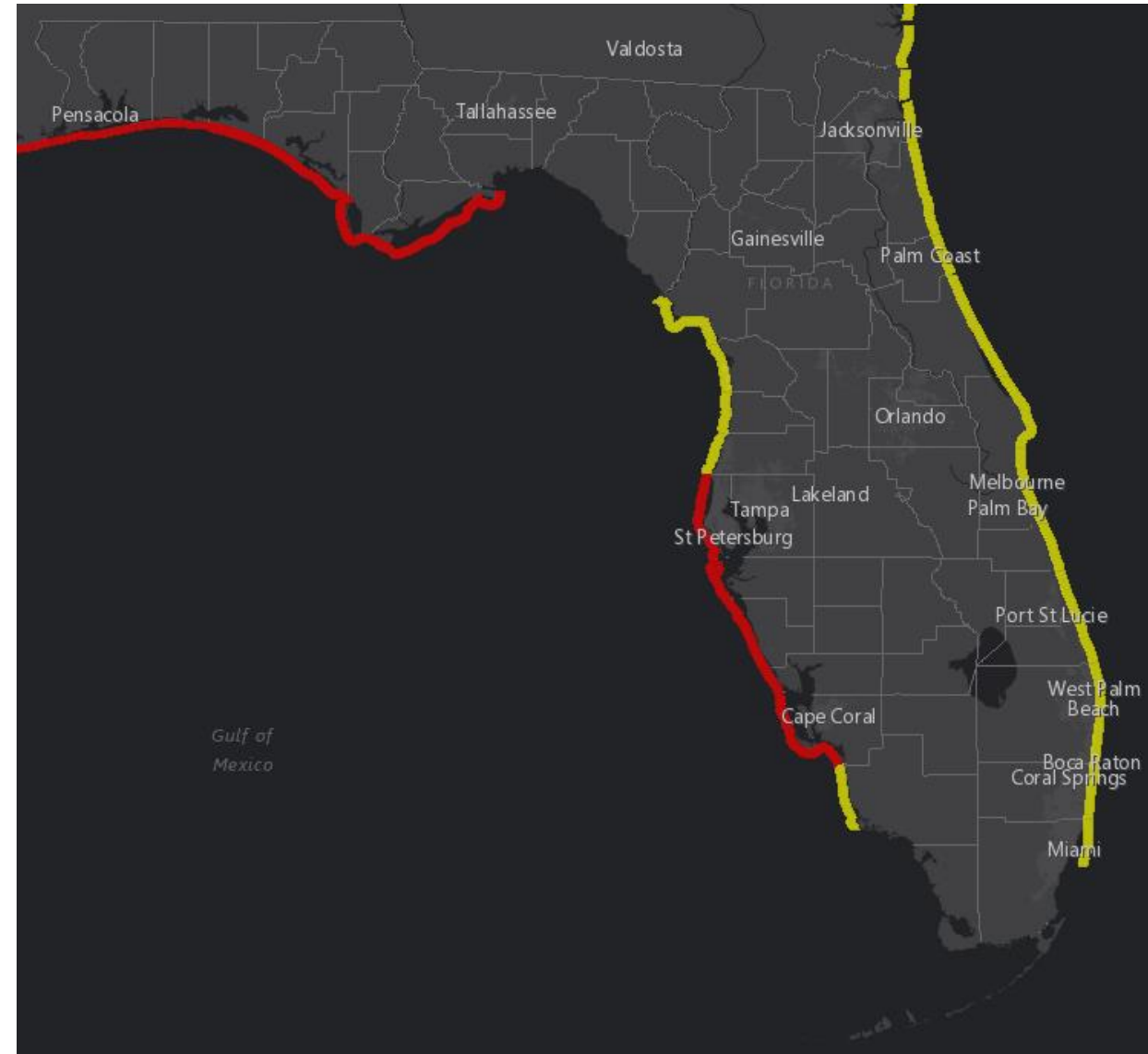


Green
Low Hazard
(calm conditions)



Purple
Marine Pest
(jellyfish, stingrays
& dangerous fish)

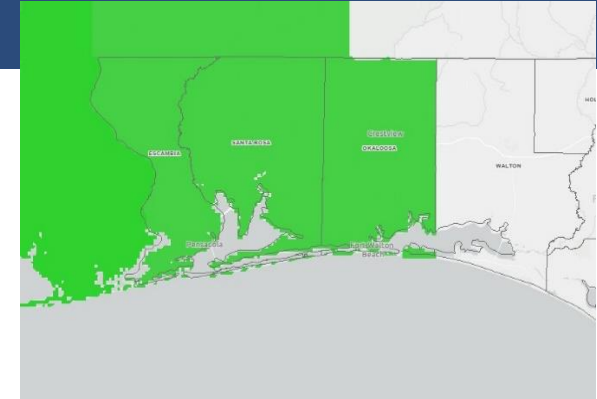
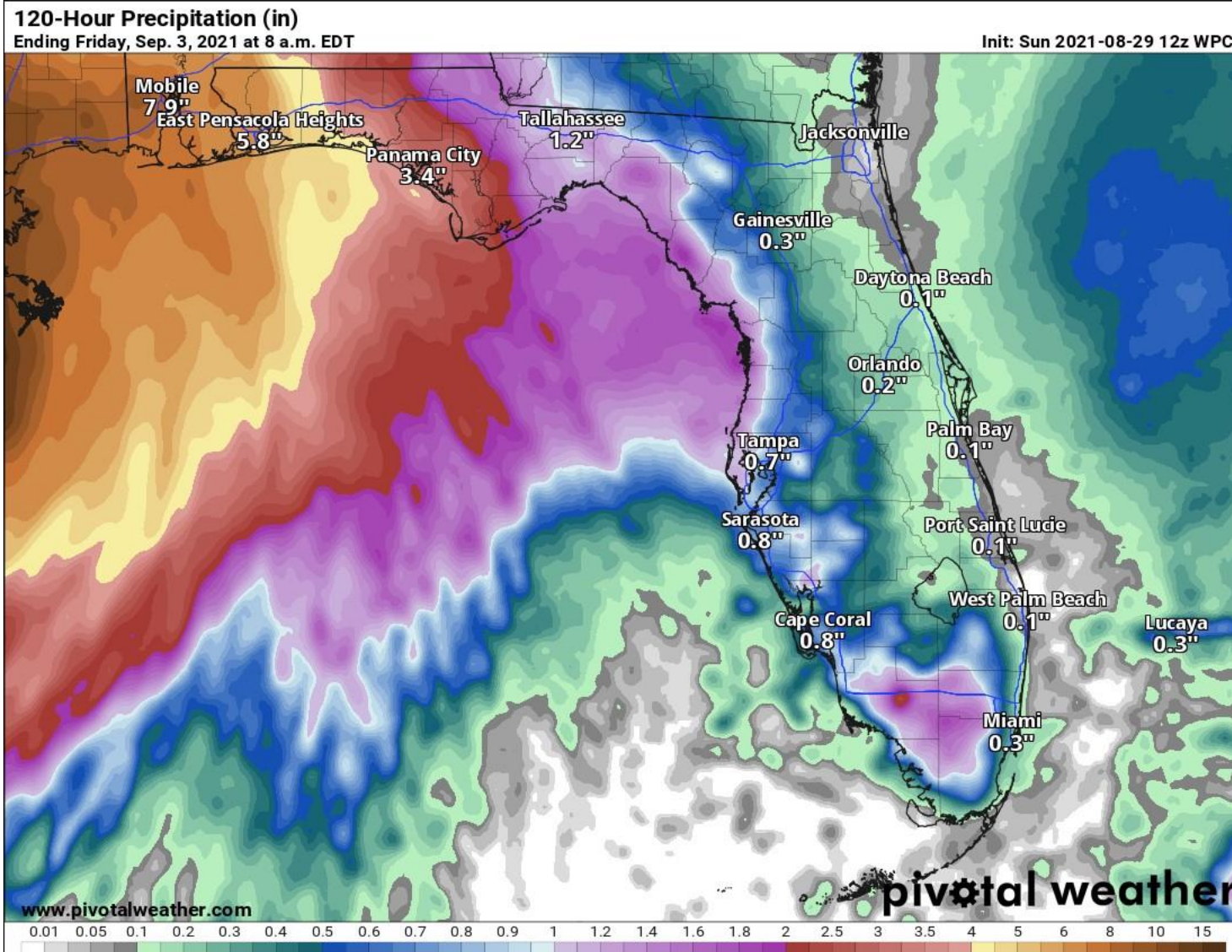
A high risk of rip currents is expected at most Gulf Coast beaches today. Many Panhandle beaches have double red flags flying meaning beaches are closed!





Rainfall Totals Next 5 Days

Ending 8 AM ET Friday



A **Flash Flood Watch** is in effect from Sunday morning until Tuesday morning for Escambia, Santa Rosa, & Okaloosa 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

MARGINAL (MRGL)	SLIGHT (SLGT)
Isolated flash floods possible	Scattered flash floods possible
Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.

Today/Tonight

Monday

Tuesday

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%

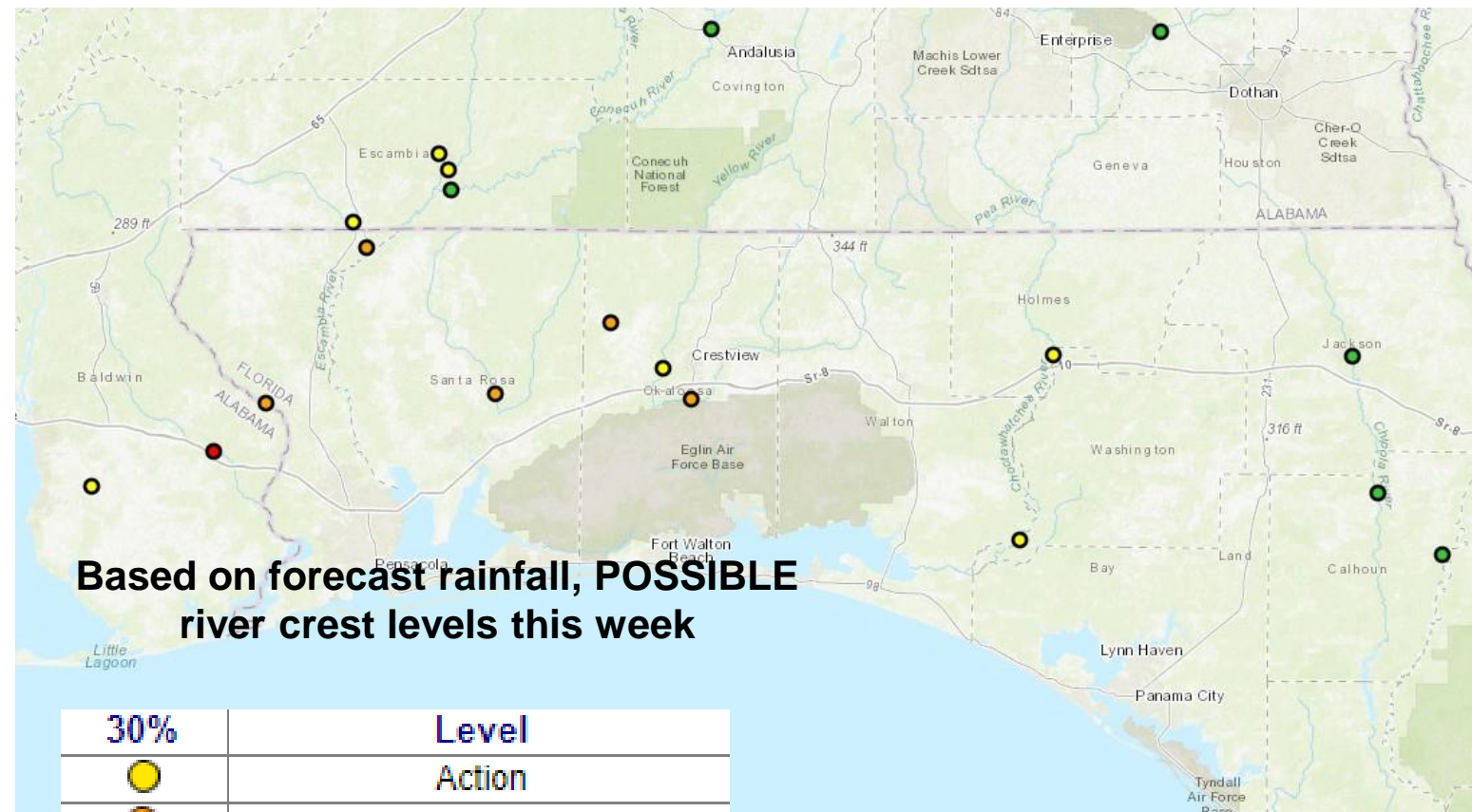
MRGL: 5%-10%

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. On Tuesday, even with Ida well to the north, trailing rain bands will continue to pose a flood threat across the Panhandle and western Big Bend.



Possible River Flooding

Chance of River Flooding Based on Range of Forecasted Rainfall



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

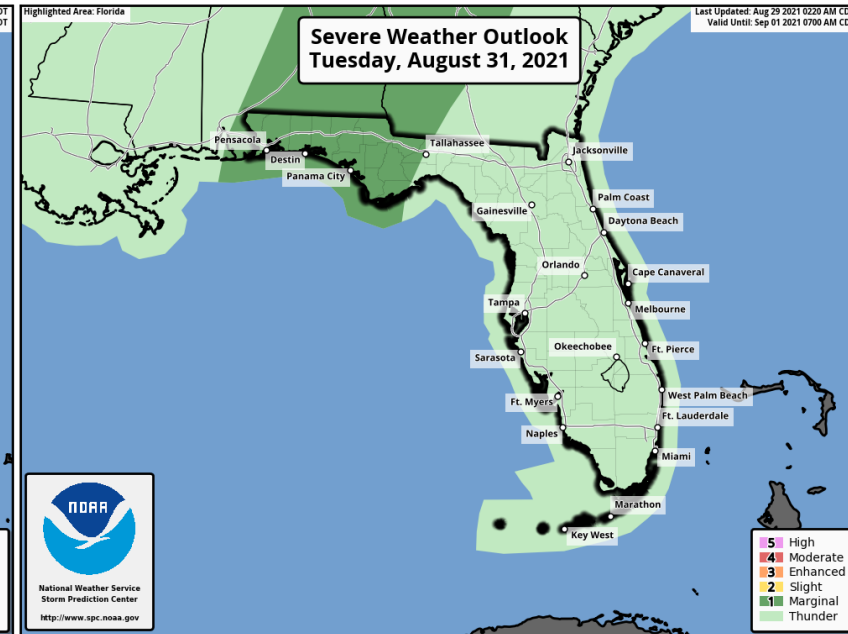
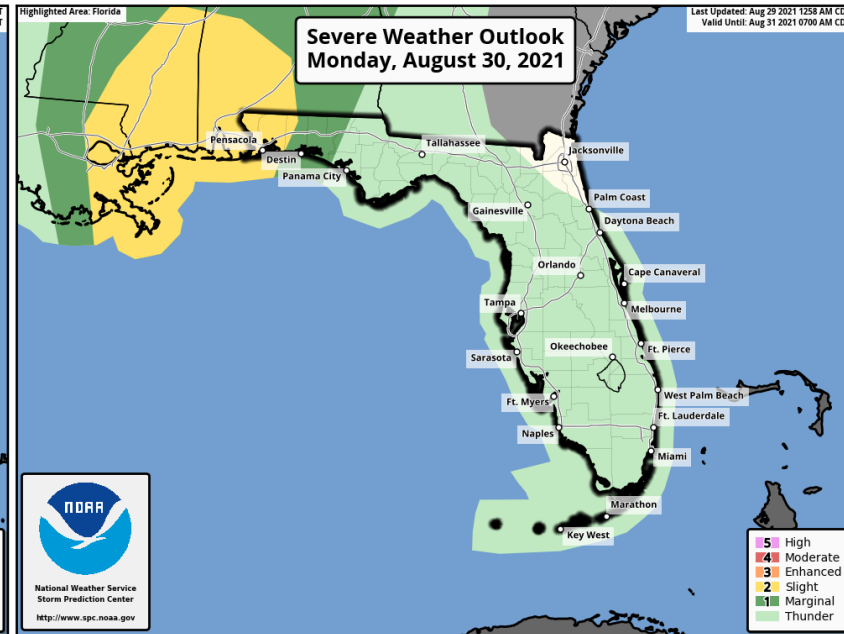
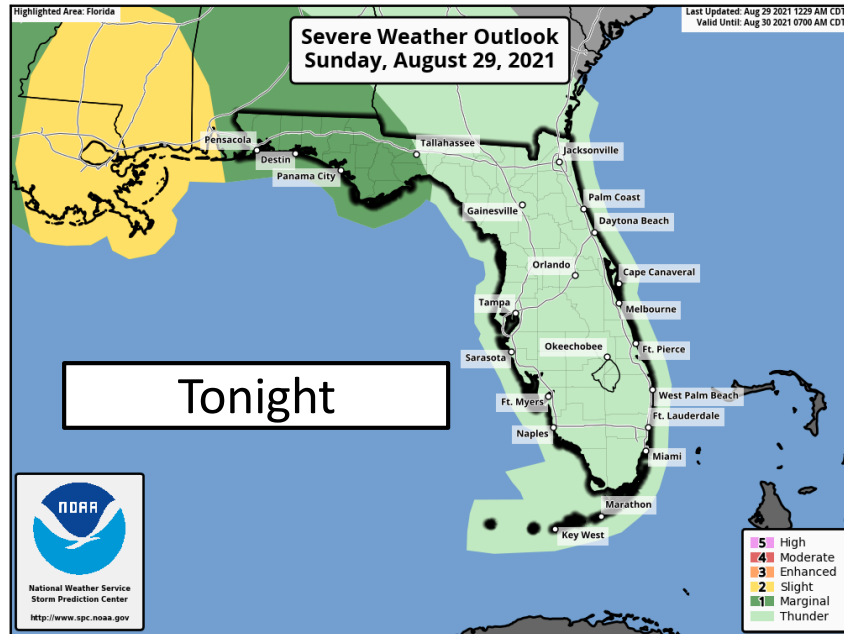
30%	Level
	Action
	Minor Flood
	Moderate Flood
	Major Flood
	= less than 30% chance of reaching Action

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 Tuesday. The greatest threat is expected to be in the western Panhandle 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



Tornado Watch

From the Storm Prediction Center

Includes Escambia, Santa Rosa, and Okaloosa County until 7 PM CT.

An additional tornado watch is likely to be issued tonight after this watch expires.

Tornado Watch

Valid Until
7:00 PM CDT Sunday
August 29, 2021

Threat Information



TORNADOES

A few Tornadoes
Possible



HAIL

Isolated Hail Up To
Small Marble Size Possible



WIND

Isolated Gusts
Up To 60 MPH Possible

Potential Exposure



Population: 3,535,595
Schools: 1021
Hospitals: 114



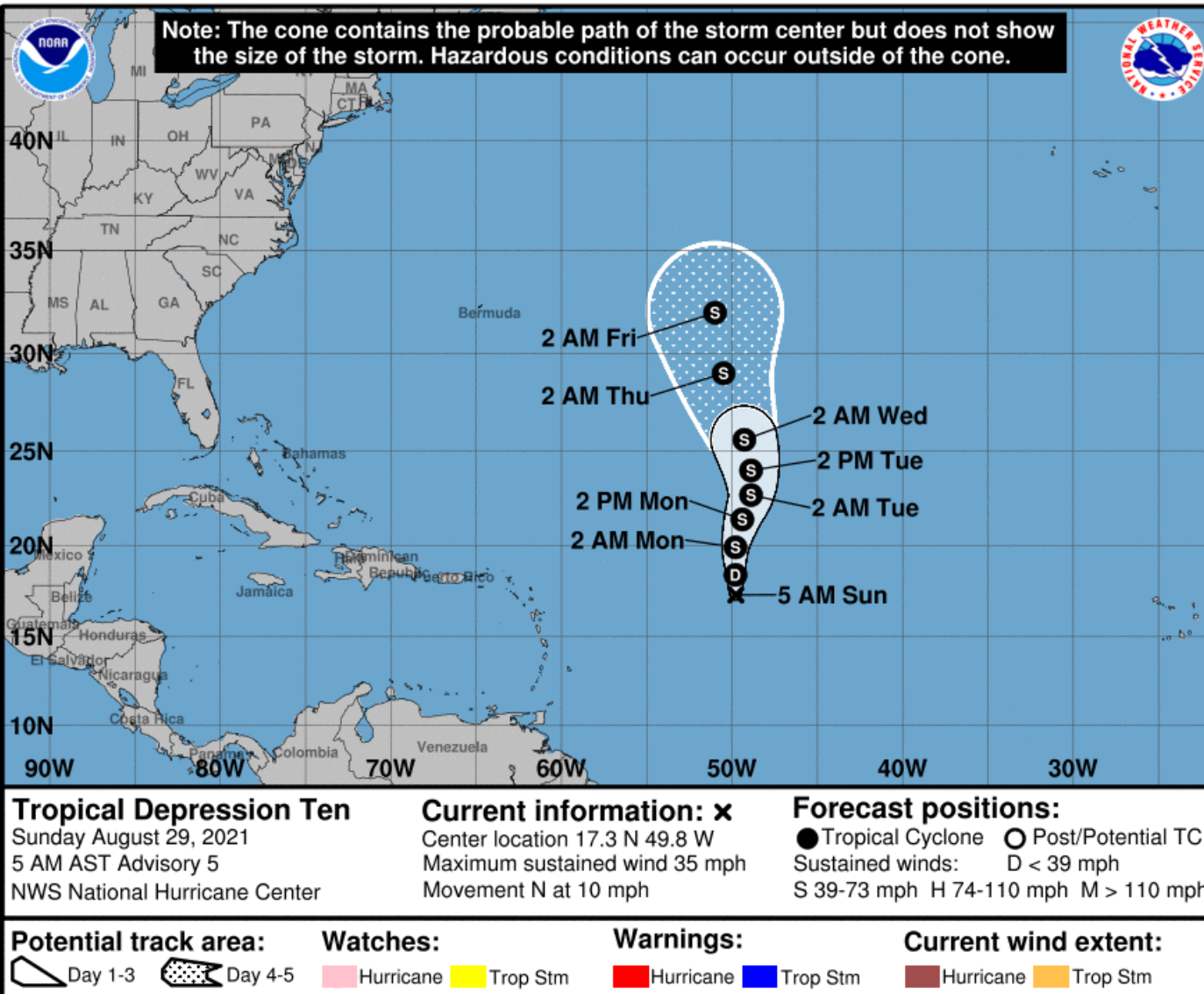
Tornado Watch #472





Official Forecast Track

From the National Hurricane Center – TD Ten

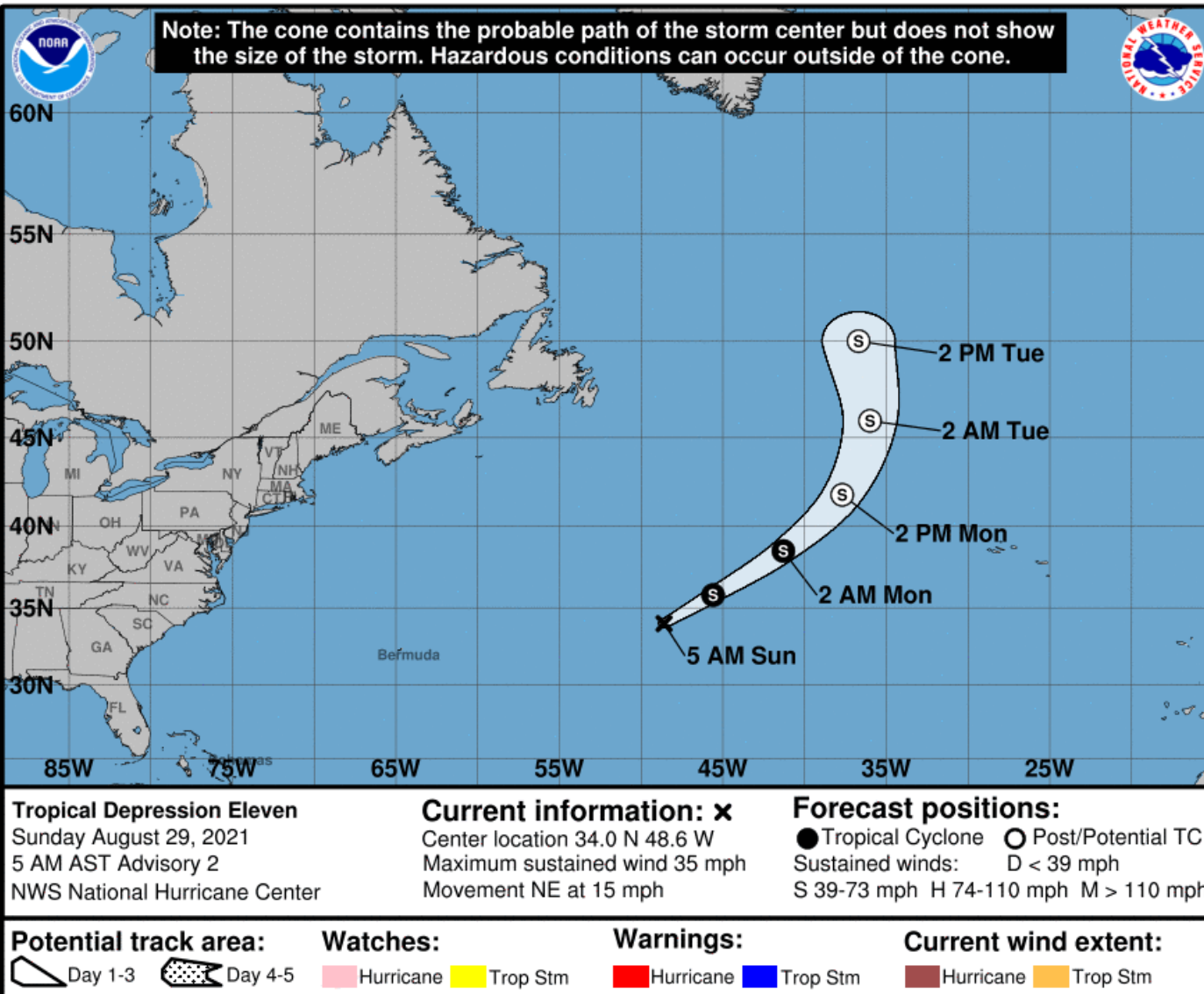


- Tropical Depression Ten remains weak and disorganized this morning.
- The center of Ten is located about 800 miles east of the Lesser Antilles.
- Maximum sustained winds are at 35 mph.
- Ten is moving north at 10 mph, and this general motion will continue over the next 5 days.
- Ten is forecast to strengthen into a Tropical Storm on Monday, but is now no longer forecast to dissipate.
- This system poses no threat to Florida.



Official Forecast Track

From the National Hurricane Center – TD 11

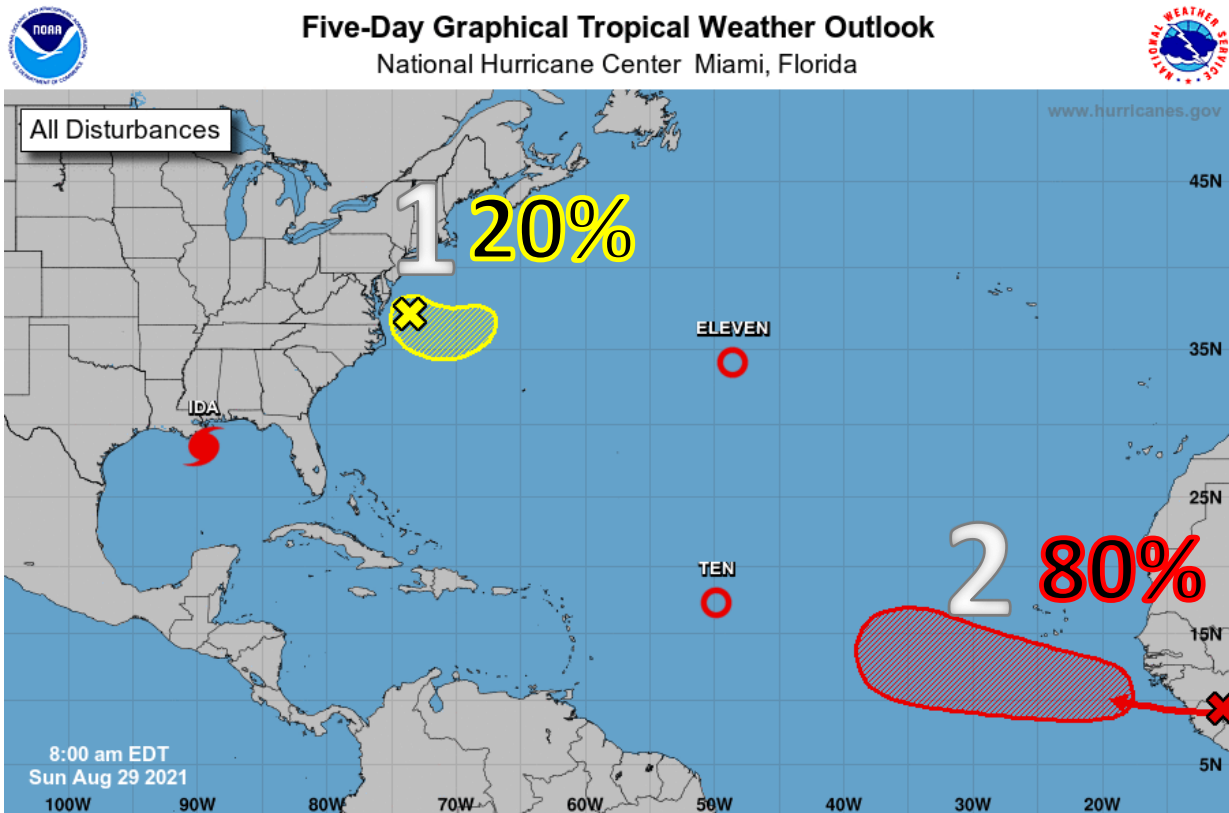


- The tropical wave that NHC had been tracking over the last few days (Invest 97L) developed into Tropical Depression 11 overnight.
- The center of Eleven is located about 1,200 miles east of Bermuda.
- Maximum sustained winds are at 35 mph.
- Eleven is moving northeast at 15 mph, and this general motion will continue over the next 48 hours before it turns northward over colder water of the Atlantic.
- Eleven is forecast to strengthen into a Tropical Storm later today, but then weaken as it moves over cold water on Monday.
- The system should become non-tropical by Tuesday.
- This system poses no threat to Florida.



Tropical Weather Outlook

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



Current Disturbances and Five-Day Cyclone Formation Chance:
 Tropical or Sub-Tropical Cyclone:
 < 40% 40-60% > 60%
 Depression Storm Hurricane
 Post-Tropical Cyclone or Remnants

1. A broad area of low pressure located just east of the Delmarva Peninsula is producing a few disorganized showers and thunderstorms over the warm Gulf Stream waters. Environmental conditions appear favorable for some slow development over the next few days as this system drifts southeastward and then eastward, moving away from the east coast of the United States.

* Formation chance through 48 hours...low...10 percent.

* Formation chance through 5 days...low...20 percent.

2. A tropical wave is expected to emerge off the coast of west Africa by Tuesday. Environmental conditions appear conducive for development once the wave moves offshore, and a tropical depression is likely to form toward the end of the week while the system moves west-northwestward at 10 to 15 mph over the eastern tropical Atlantic.

* Formation chance through 48 hours...low...20 percent.

* Formation chance through 5 days...high...80 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 100 miles south-southeast of New Orleans, LA or 200 miles southwest of Pensacola, FL.
- Maximum sustained winds are near 150 mph, making Ida a Category 4 hurricane. Ida is forecast to continue to rapidly intensify, near Category 5 strength as it makes landfall in a few hours in Southeast Louisiana.
- Ida is moving to the northwest at 15 mph, and this general motion should continue over the next 12 hours, followed by a turn to the north and northeast on Monday once inland over Louisiana.

Tropical Depression Ten:

- 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 over open water, and this general motion will continue over the next 5 days. Ten is forecast to strengthen into a tropical storm by Monday, holding this strength through the week.

Tropical Depression Eleven (Formerly Invest 97L):

- The tropical wave well east of Bermuda that NHC has been tracking over the last few days developed into Tropical Depression Eleven overnight.
- Eleven will move over the open water of the Central Atlantic before it dissipates on Tuesday over colder waters well away from land.

African Tropical Wave:

- Computer models indicate that a vigorous tropical wave will emerge from the western coast of Africa on Tuesday. Conditions appear favorable for development during the middle to later part of this week and there is a high chance (80%) a tropical depression develops over the next 5 days.

Mid-Atlantic Low:

- An area of low pressure has developed along a cold front off the Mid-Atlantic coast. It has a low chance (20%) of becoming a depression.

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



Overall Summary

Florida Outlook:

- Tropical Depression Ten & Eleven or the Mid-Atlantic Low 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 sustained 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 **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.
- A **Coastal Flood Advisory** is in effect from Escambia to Jefferson County. Minor flooding is possible at high tide, with surge generally expected to be 1-2'. Up to 3' is possible in Pensacola. This will occur over the next few high tide cycles.
- A **Flash Flood Watch** is in effect for Escambia, Santa Rosa, and Okaloosa 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.
- Minor river flooding is possible in the western Panhandle later this week based on where exactly the heaviest rain falls.
- A **Tornado Watch** is in effect for Escambia, Santa Rosa, and Okaloosa County until 7 PM CT. An Additional tornado watch could be issued tonight. An isolated tornado threat will continue across the entire Panhandle on Monday and Tuesday, with the greatest threat in the Watch area.

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



TROPICAL UPDATE



Created by:

Michael Spagnolo, Deputy State Meteorologist

Michael.Spagnolo@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

Users wishing to subscribe (approval pending) to this distribution list, register at:

https://public.govdelivery.com/accounts/FLDEM/subscriber/new?topic_id=SERT_Met_Tropics.

Other reports available for subscription are available at:

<https://public.govdelivery.com/accounts/FLDEM/subscriber/new?preferences=true>