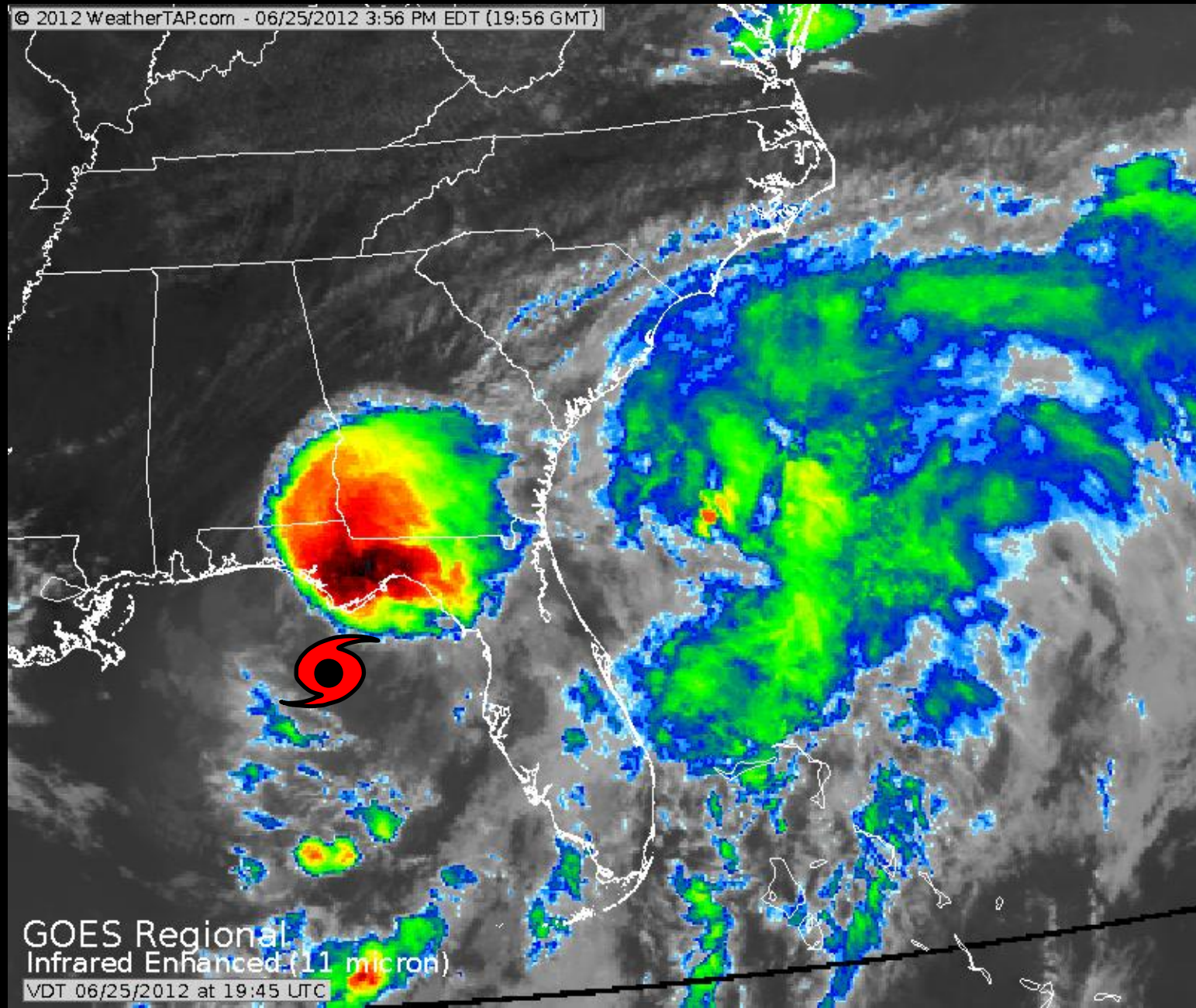
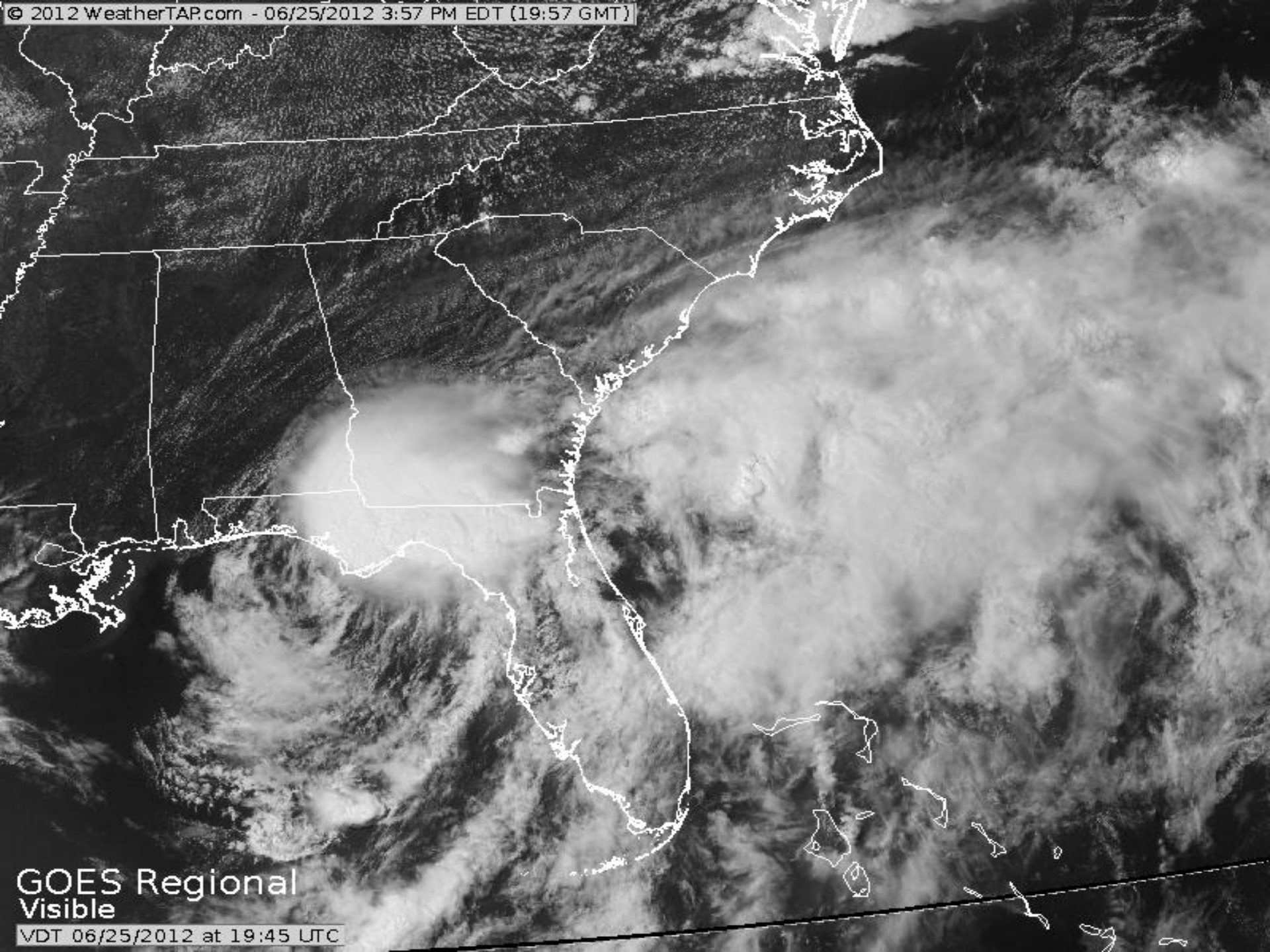


# Gulf of Mexico Infrared Satellite Image

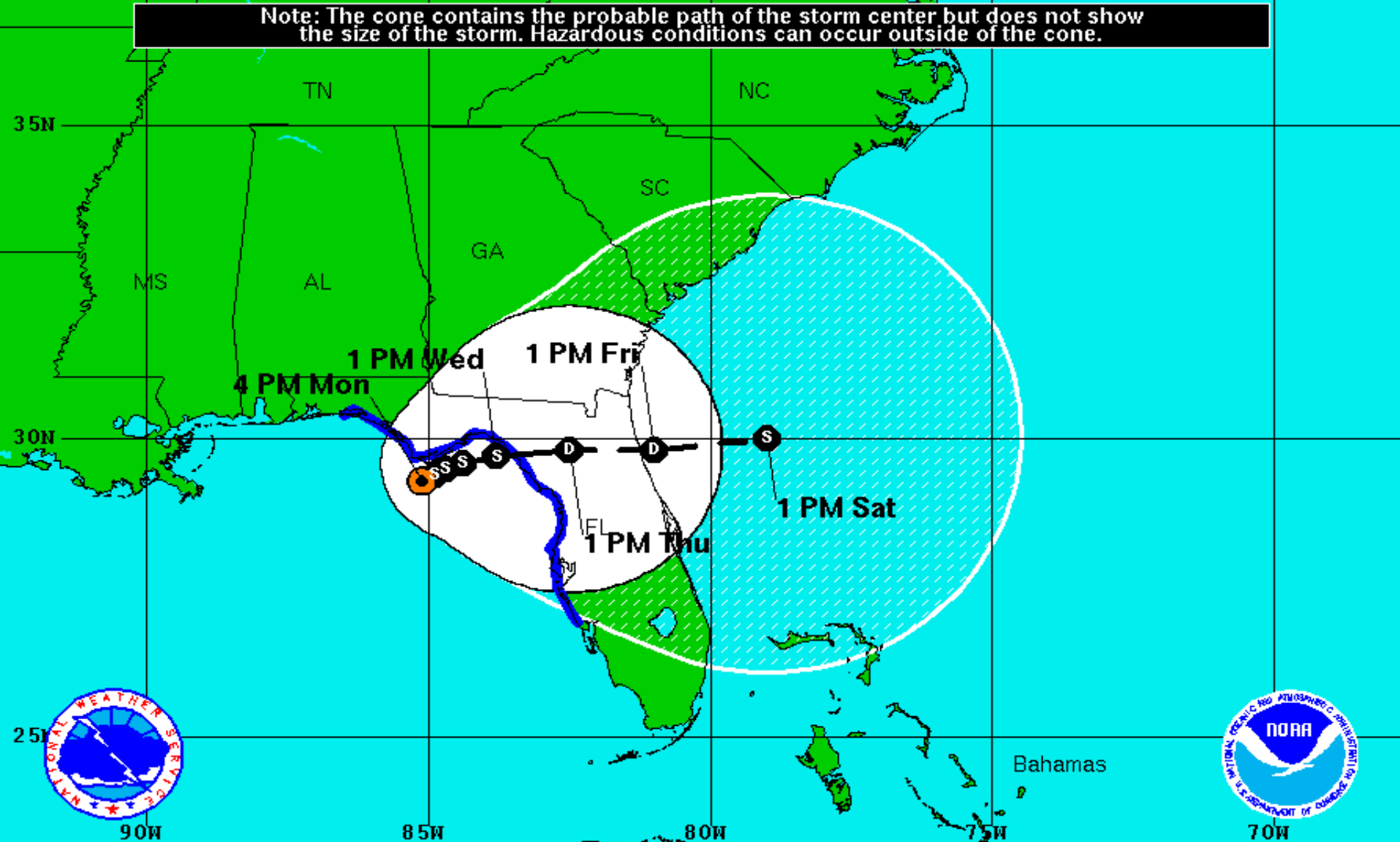





GOES Regional  
Visible



VDT 06/25/2012 at 19:45 UTC

Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



**Tropical Storm Debby**  
 Monday June 25, 2012  
 4 PM CDT Advisory 10  
 NWS National Hurricane Center

**Current Information:**   
 Center Location 29.3 N 85.1 W  
 Max Sustained Wind 45 mph  
 Movement NE at 5 mph

**Forecast Positions:**  
 Tropical Cyclone  Post-Tropical  
 Sustained Winds: D < 39 mph  
 S 39-73 mph H 74-110 mph M > 110mph

**Potential Track Area:**  
 Day 1-3  Day 4-5

**Watches:**  
 Hurricane  Trop.Storm

**Warnings:**  
 Hurricane  Trop.Storm

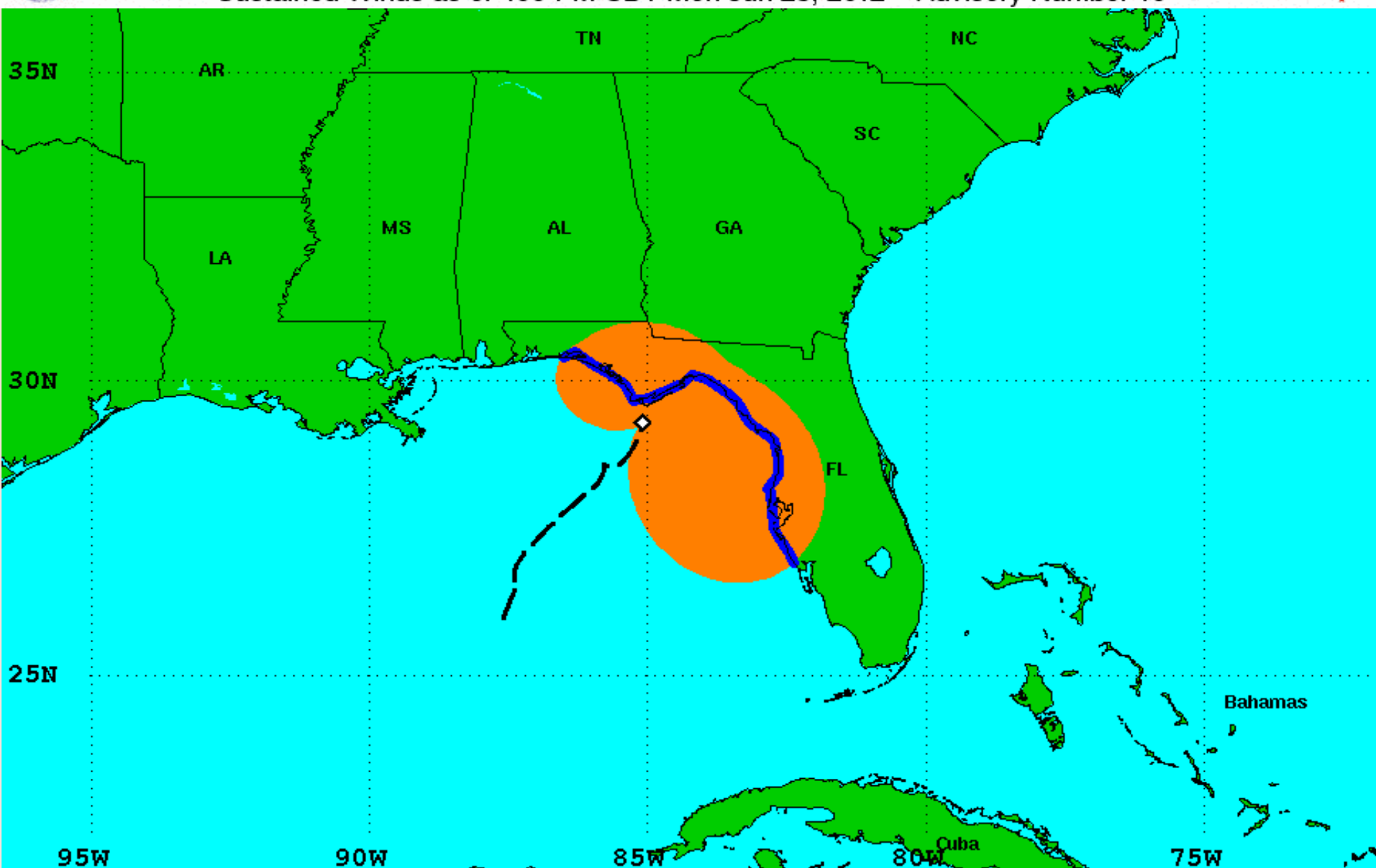






# Surface Wind Field of Tropical Storm Debby

Sustained Winds as of 400 PM CDT Mon Jun 25, 2012



Advisory Number 10





## Watches:

-  Hurricane Watch
-  Tropical Storm Watch



## Warnings:

-  Hurricane Warning
-  Tropical Storm Warning

## Sustained Winds:

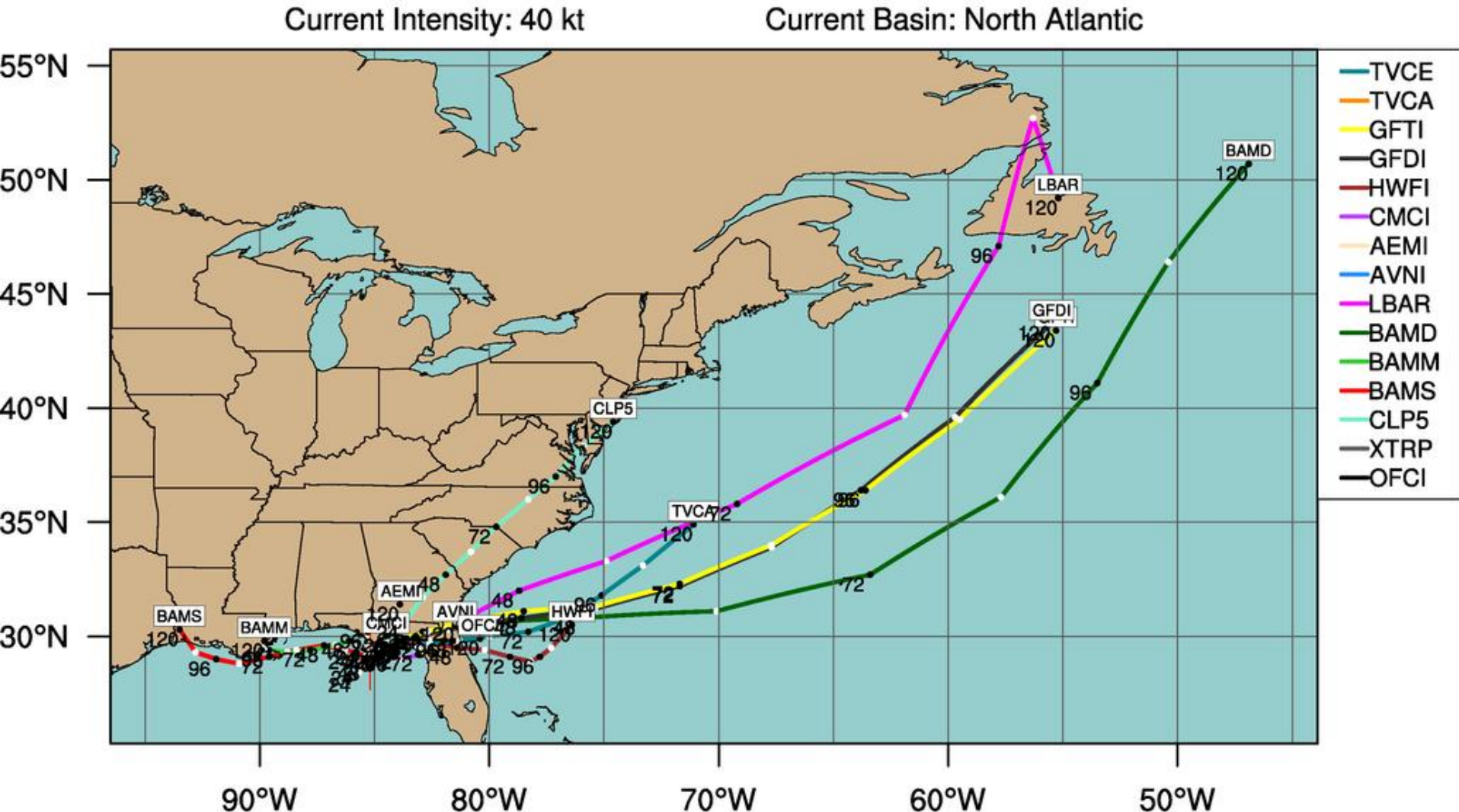
-  Hurricane Force
-  Tropical Storm Force

## Position:

-  Center as of 400 PM CDT
-  Past Track

# TROPICAL STORM DEBBY (AL04)

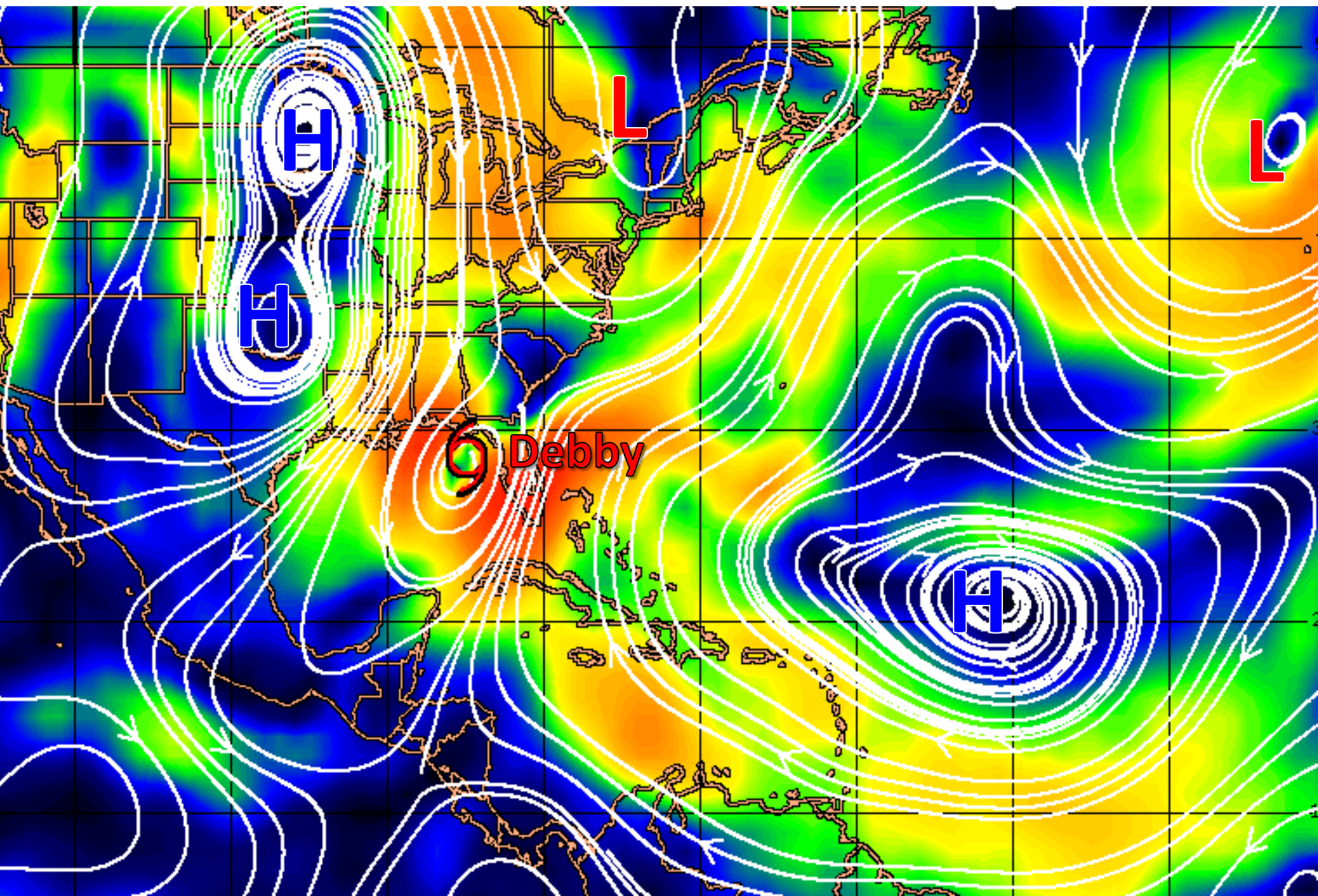
Early-cycle track guidance initialized at 1800 UTC, 25 June 2012



By using this plot, the user agrees to the UCAR Terms of Use  
which can be accessed at: <http://www2.ucar.edu/terms-of-use>

Plot generated at 1852 UTC 25 June 2012

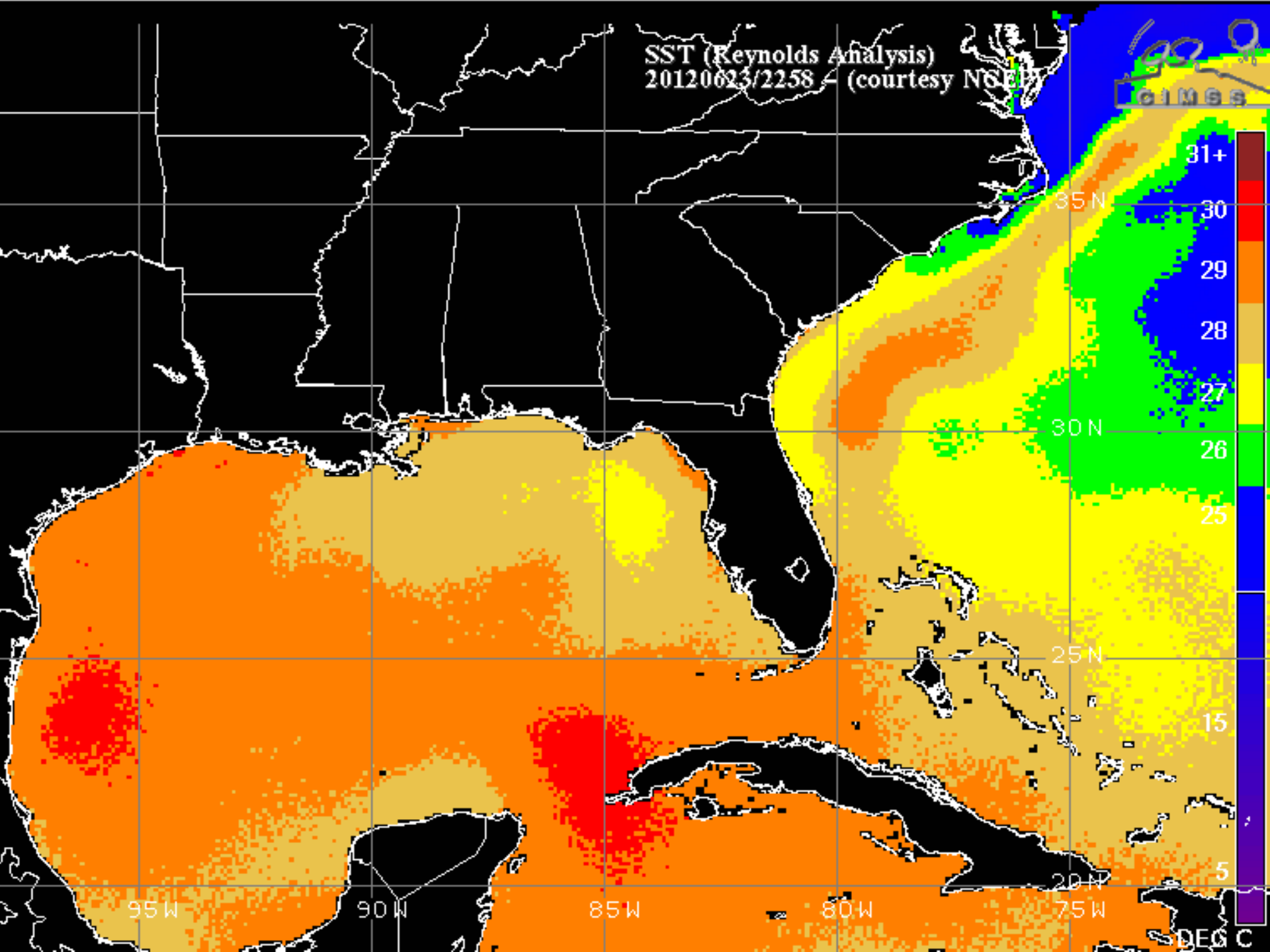
# Steering Currents





initialized at 1800 UTC, 25 June 2012

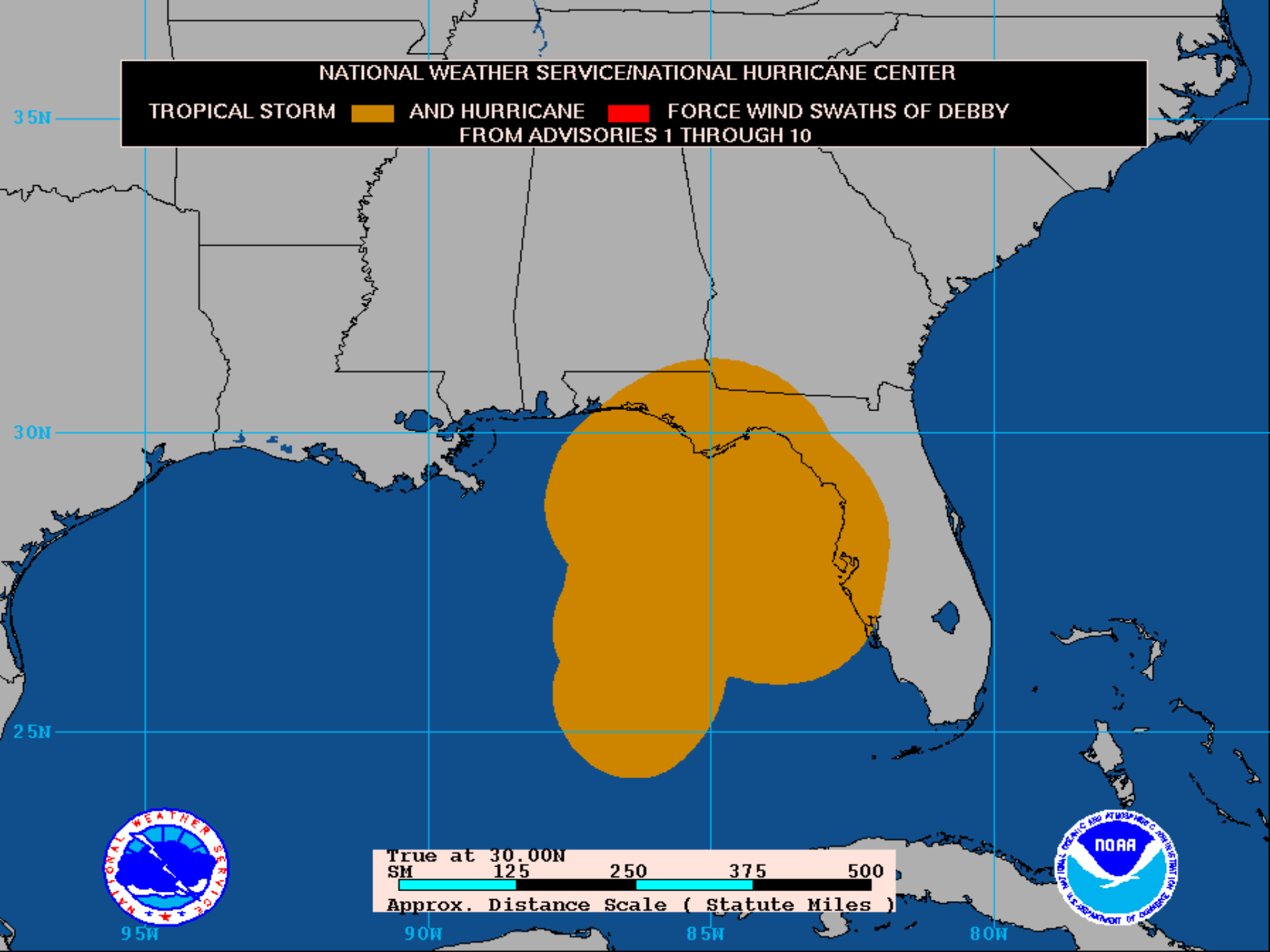






NATIONAL WEATHER SERVICE/NATIONAL HURRICANE CENTER

TROPICAL STORM  AND HURRICANE  FORCE WIND SWATHS OF DEBBY  
FROM ADVISORIES 1 THROUGH 10



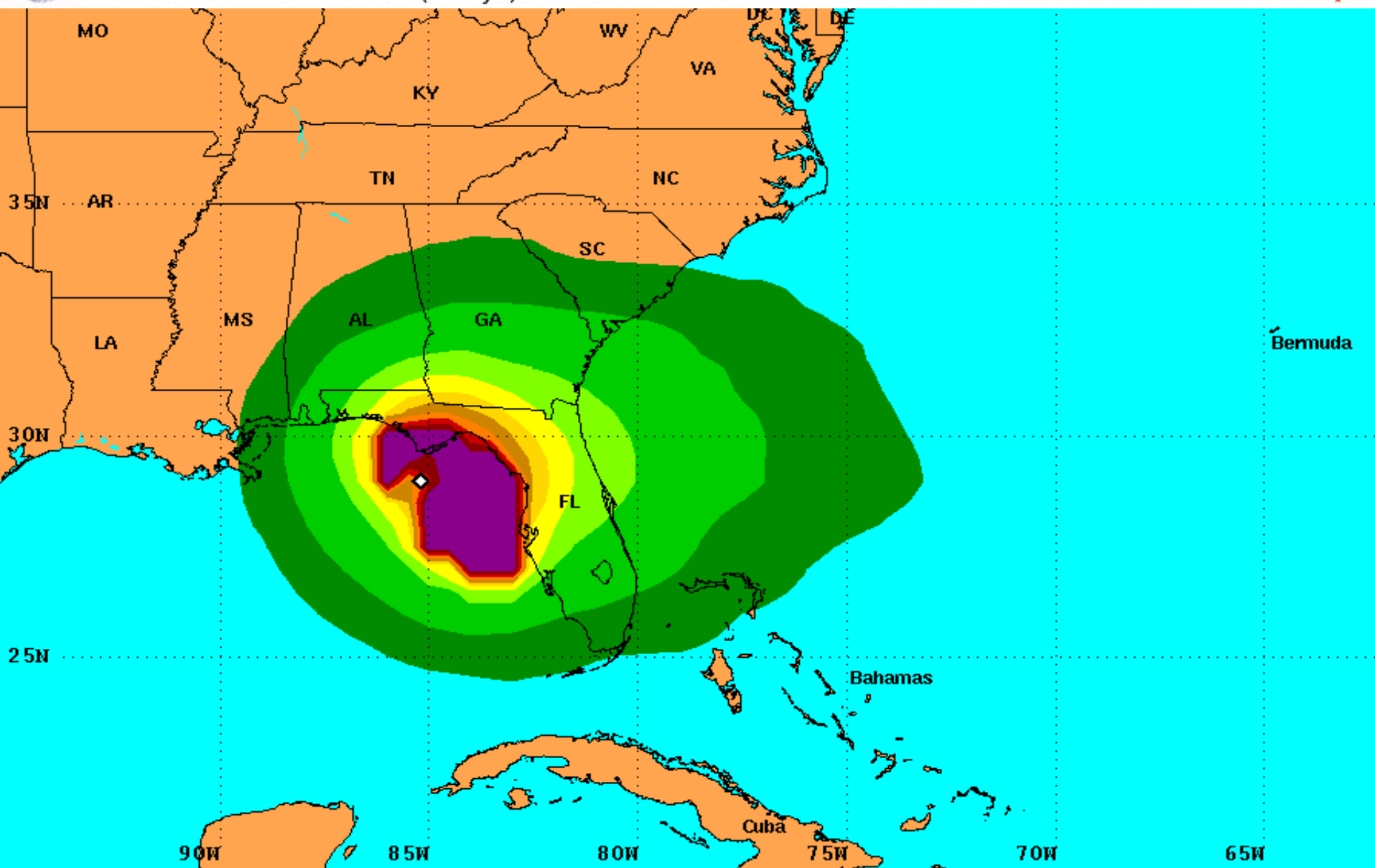
True at 30.00N  
SM 125 250 375 500  
Approx. Distance Scale ( Statute Miles )





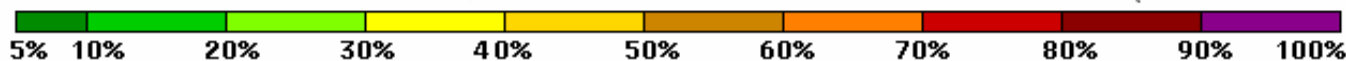
# Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 1 PM CDT Mon Jun 25 to 1 PM CDT Sat Jun 30



Probability of tropical storm force surface winds (1-minute average  $\geq 39$  mph) from all tropical cyclones

◇ indicates TROPICAL STORM DEBBY center location at 1 PM CDT Mon Jun 25 2012 (Forecast/Advisory #10)



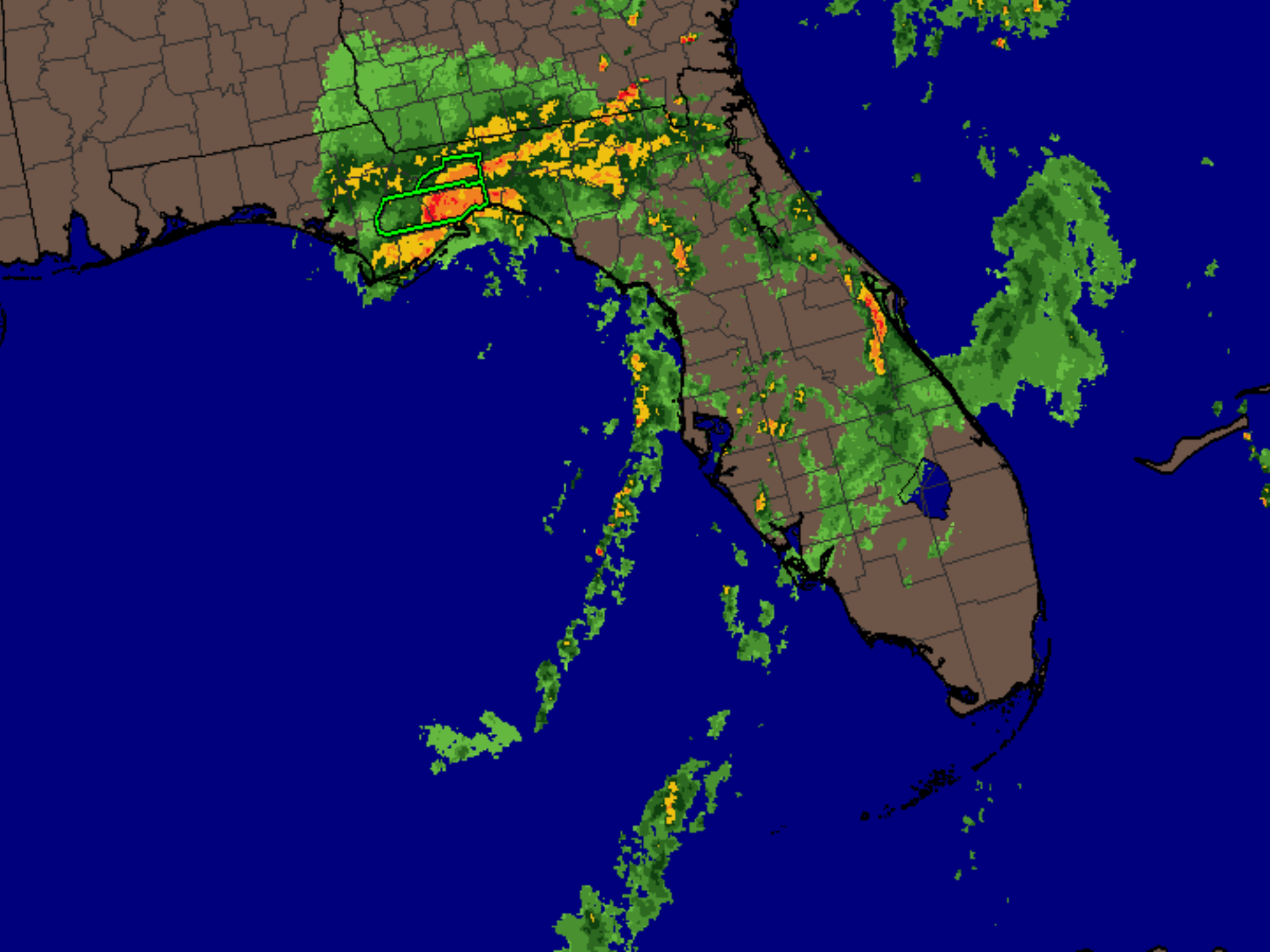


Intensity (Maximum Wind Speed) Probability Table  
Tropical Storm Debby Advisory Number 10  
4:00 PM CDT Jun 25 2012

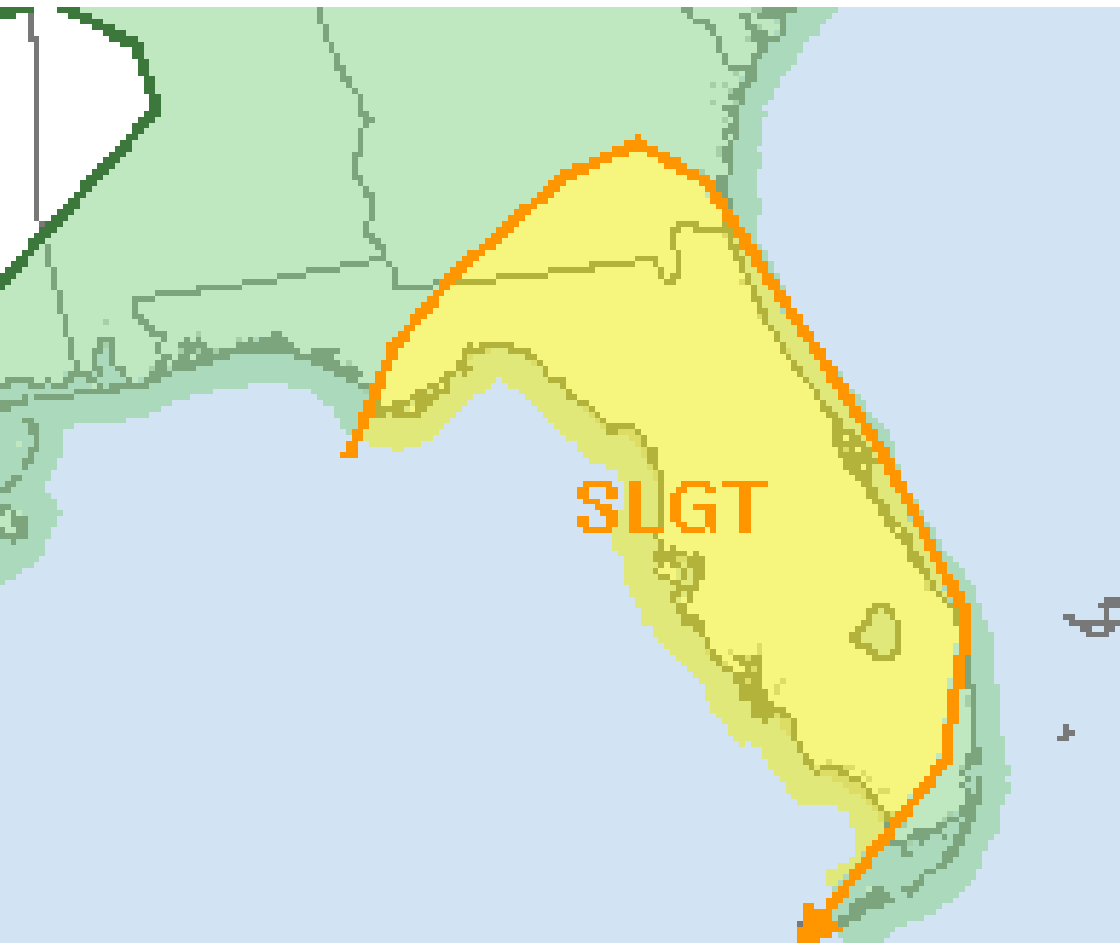


Wind Range (mph)	Forecast Time						
	12 hour for 1 AM Tue	24 hour for 1 PM Tue	36 hour for 1 AM Wed	48 hour for 1 PM Wed	72 hour for 1 PM Thu	96 hour for 1 PM Fri	120 hour for 1 PM Sat
Dissipated	1%	5%	12%	19%	26%	38%	41%
Tropical Depression (<39)	23%	35%	38%	36%	28%	29%	24%
Tropical Storm (39-73)	74%	57%	47%	41%	41%	31%	32%
Hurricane (all categories)	2%	3%	4%	5%	5%	3%	4%
-- Category 1 (74-95)	2%	3%	3%	4%	5%	2%	3%
-- Category 2 (96-110)	<1%	<1%	1%	1%	<1%	<1%	<1%
-- Category 3 (111-130)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
-- Category 4 (131-155)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
-- Category 5 (>155)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Forecast Maximum Wind	45 mph	45 mph	45 mph	45 mph	35 mph	35 mph	40 mph



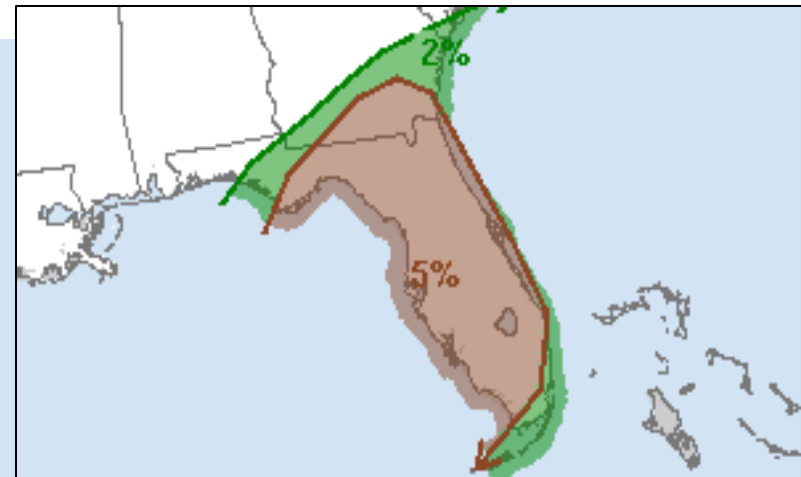


# Severe Weather Outlook – Monday



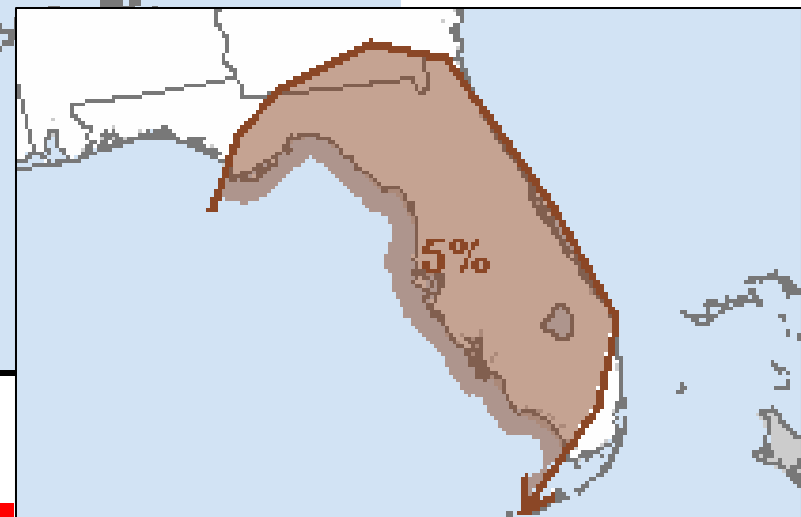
Categorical Outlook Legend:

TSTM  SLGT  MDT 



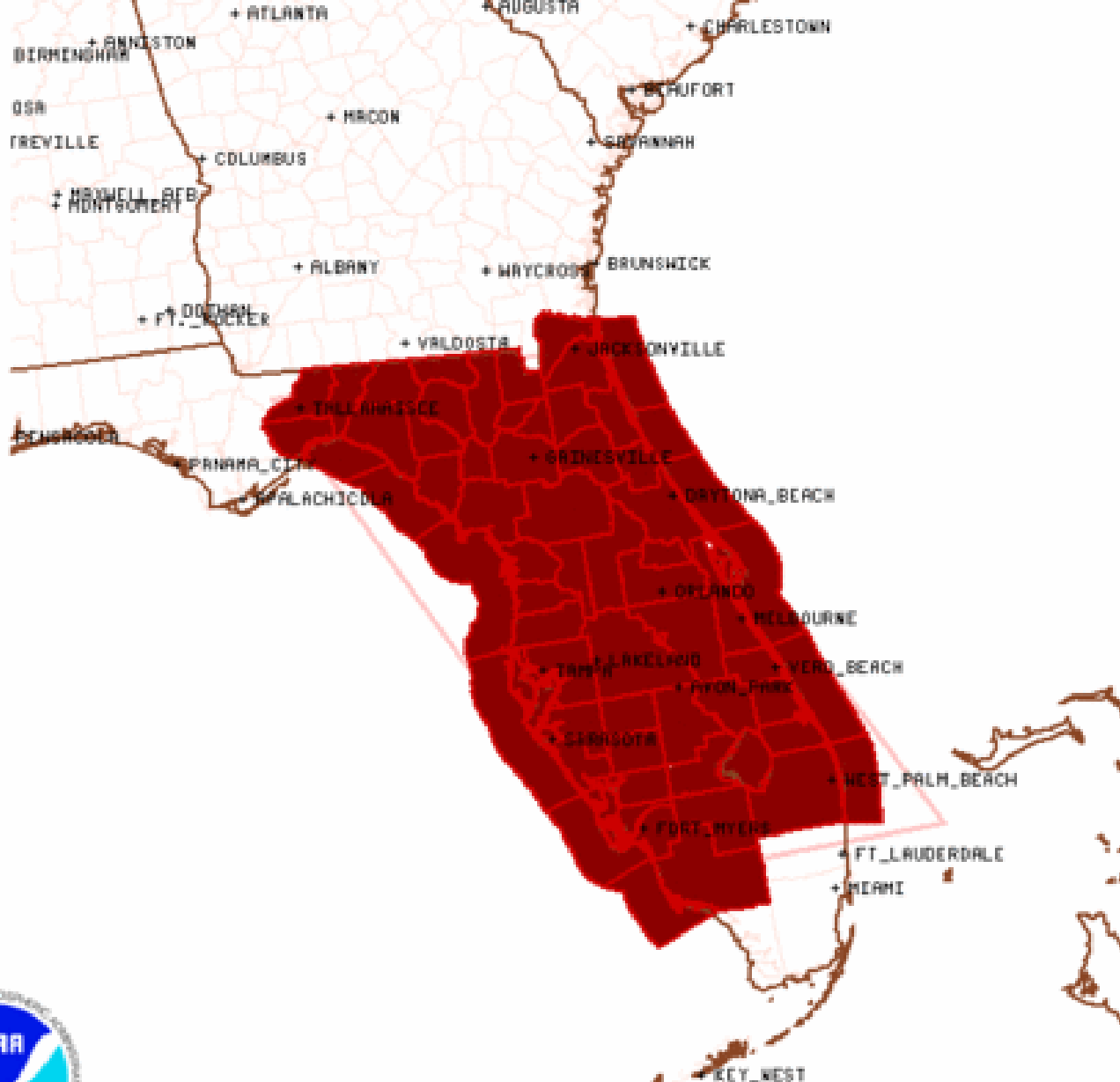
Tornado Probability Legend (in %):

2  5  10  15  30  45  60  Sig 



Wind Probability Legend (in %):

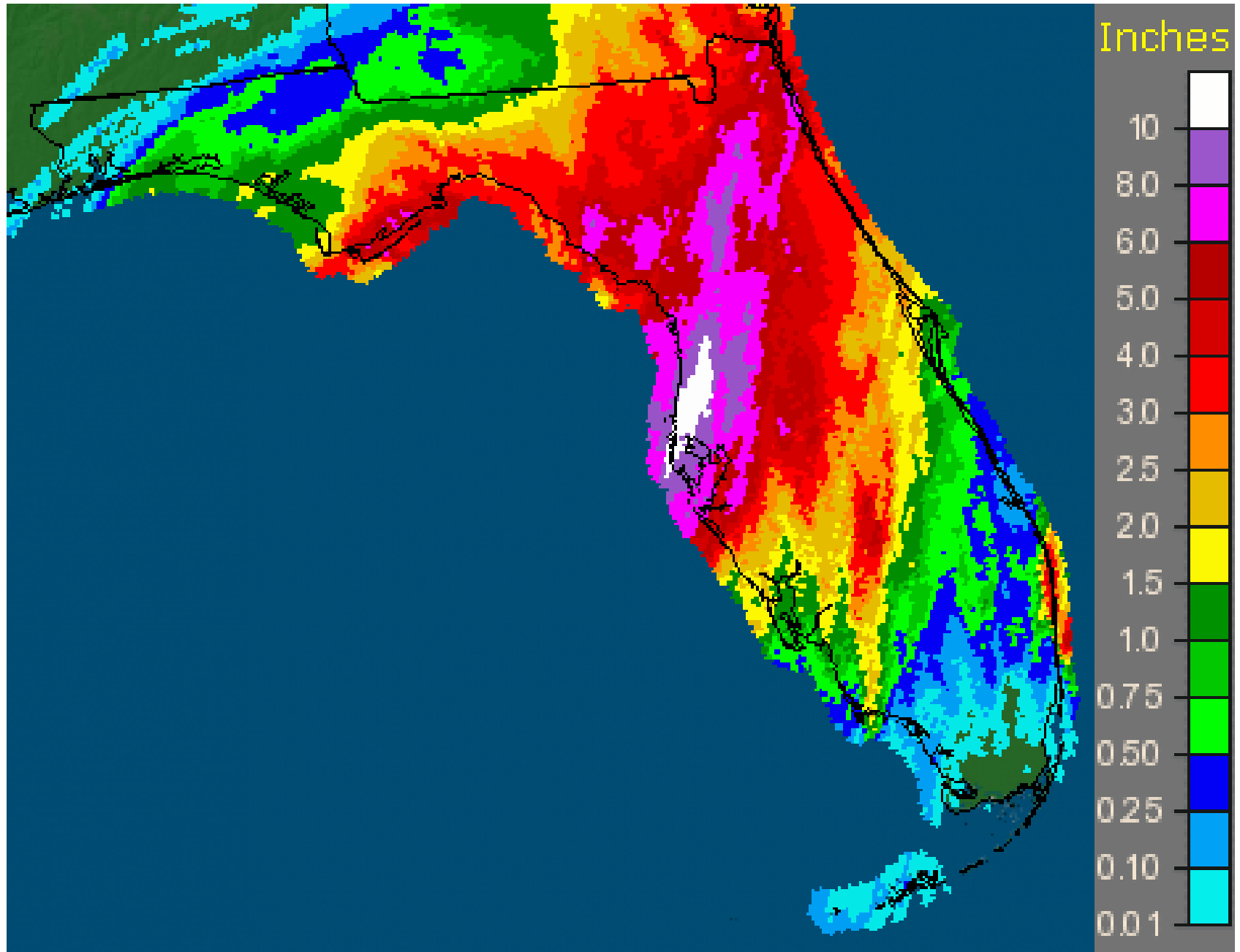
5  15  30  45  60 



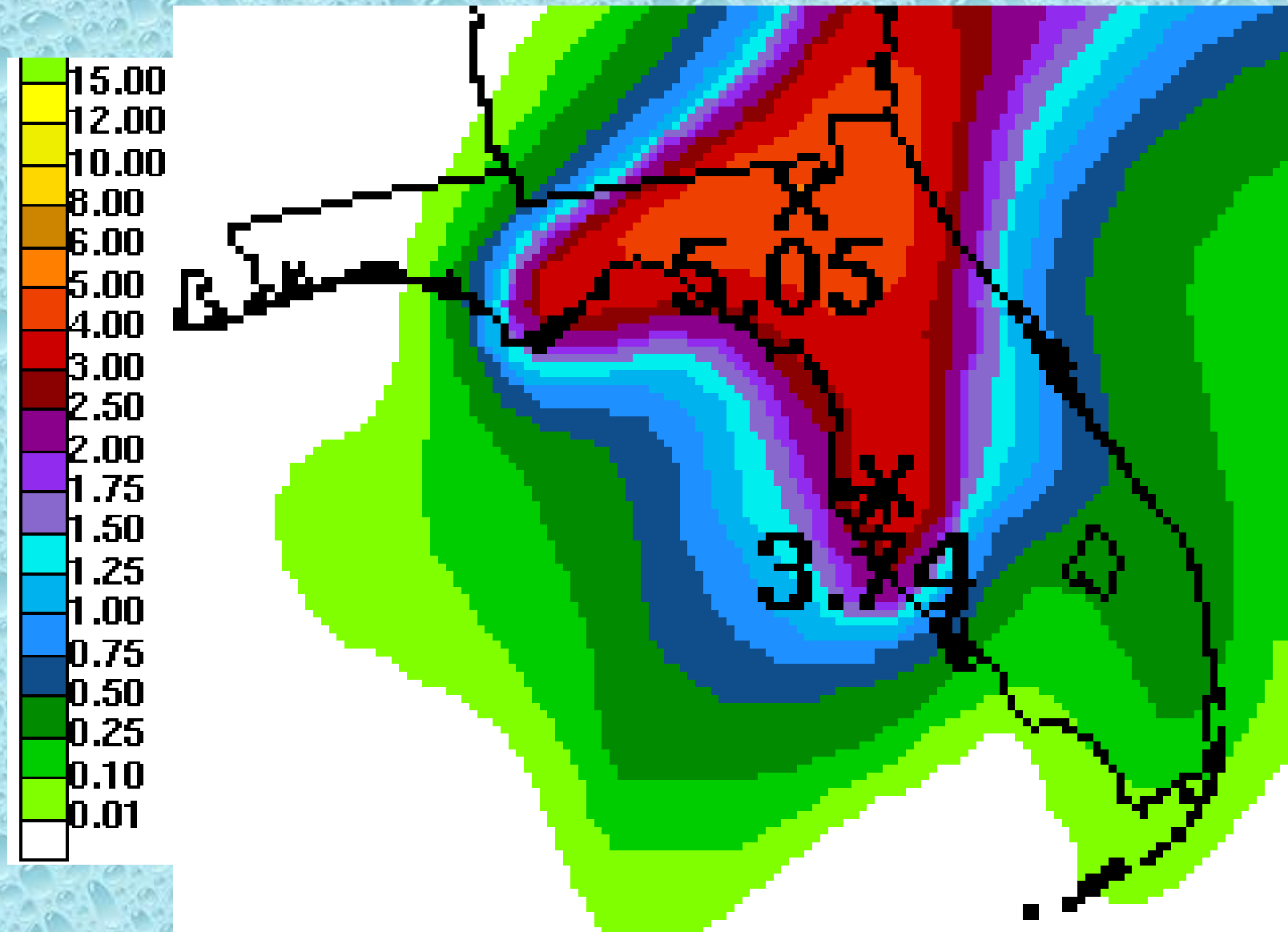
**Tornado Watch # 427 - Valid from 150 PM until 1100 PM EDT**



# Observed Rainfall – Past 24 Hours

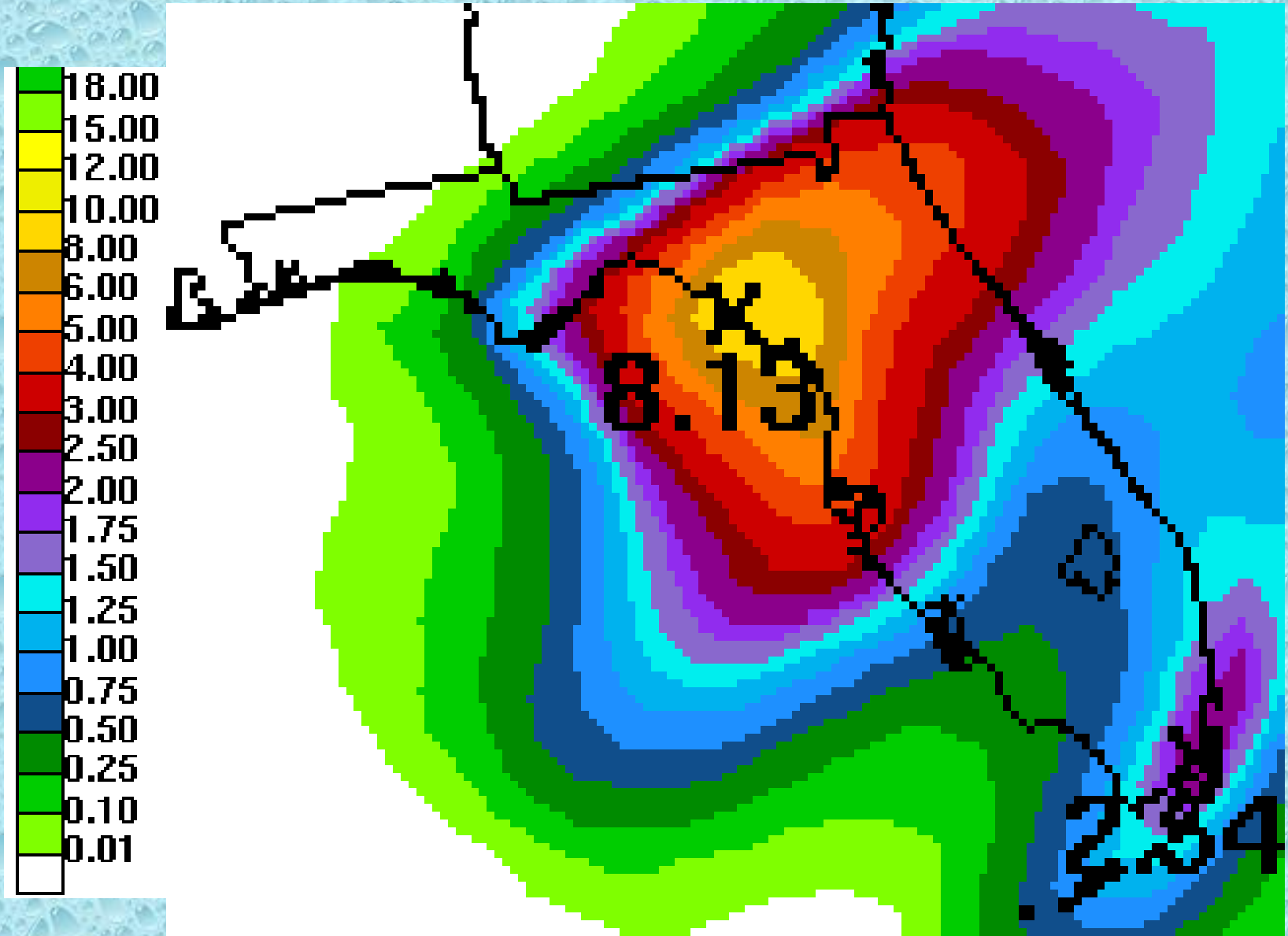


# Forecast Rainfall Amounts Tonight through Tomorrow Night



# Forecast Rainfall Amounts

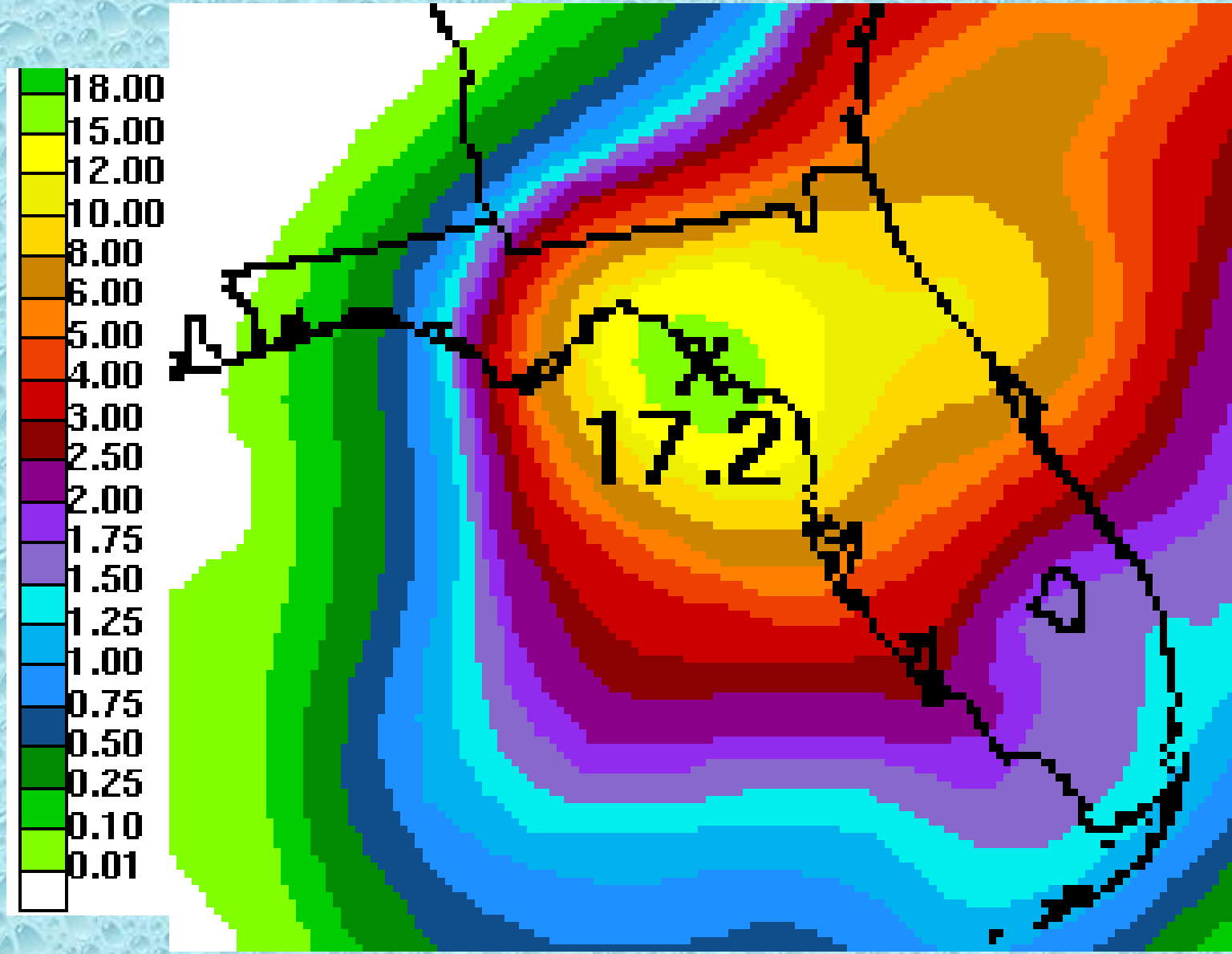
## Wednesday Night through Thursday Night





# Forecast Rainfall Amounts

## Monday Morning through Saturday Morning



SOUTHEAST  
RIVER FORECAST CENTER  
Jun 25, 2012  
3:56 PM Eastern  
RIVER CONDITIONS

UPDATED  
:25 AND :55 PAST  
EACH HOUR

Puerto Rico

#### LATEST RIVER CONDITIONS

- BELOW FLOOD STAGE
- MINOR FLOODING
- MODERATE FLOODING
- MAJOR FLOODING
- MISSING DATA

#### RIVER FLOOD FORECASTS

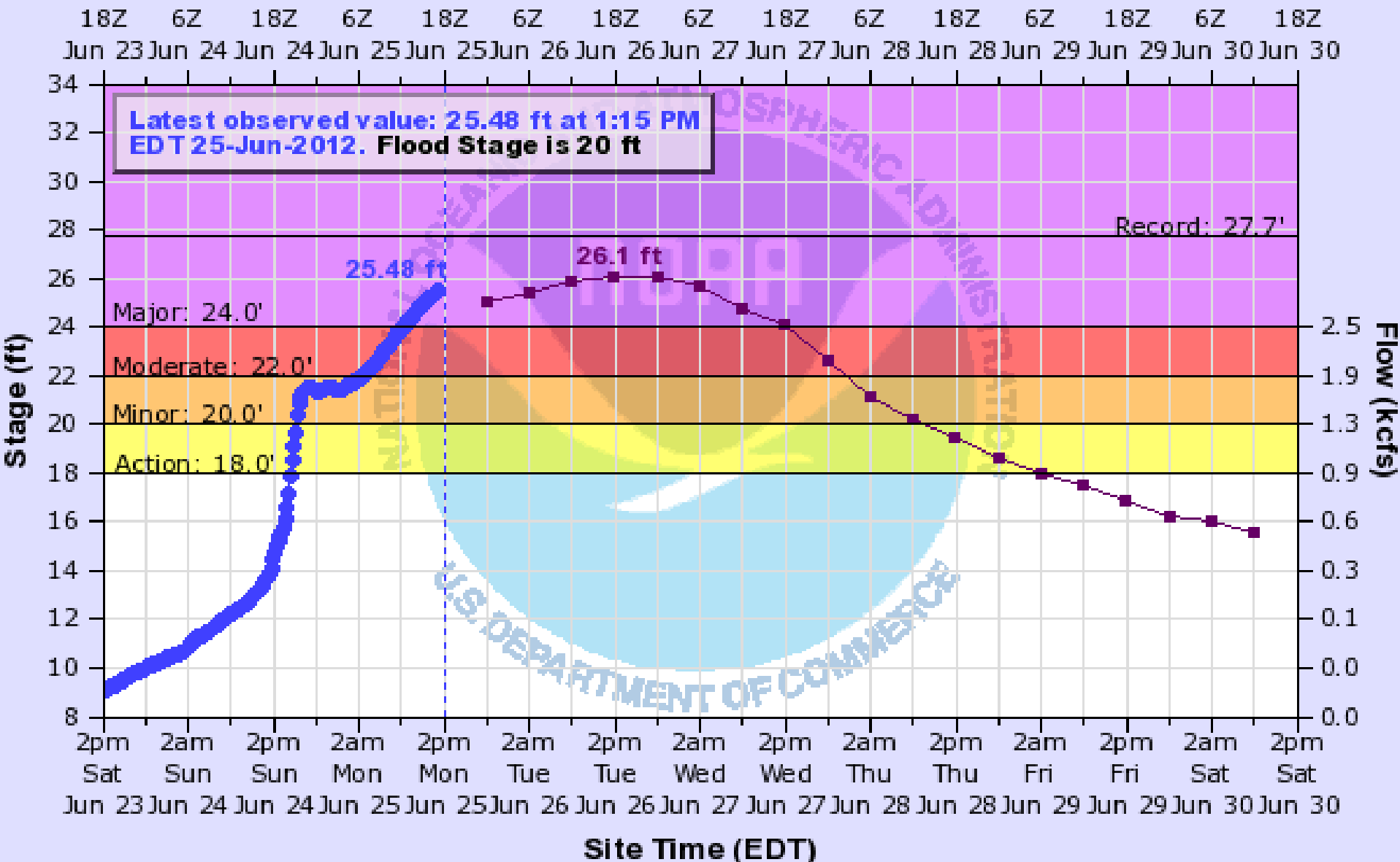
- MINOR FLOODING FORECAST
- MODERATE FLOODING FORECAST
- MAJOR FLOODING FORECAST

# River Forecast



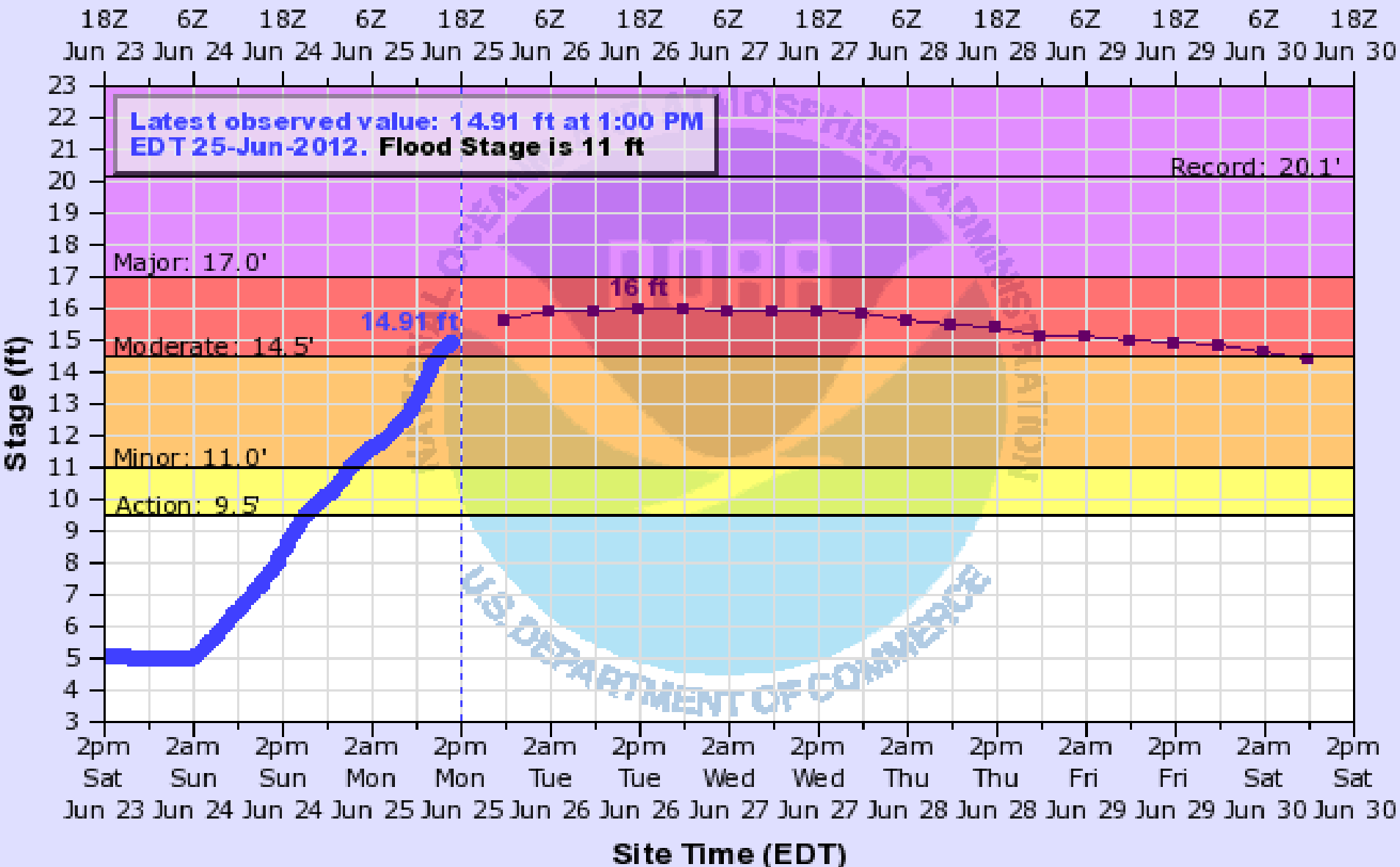
# ANCLOTE RIVER AT ELFERS

Universal Time (UTC)



# LITTLE MANATEE RIVER AT WIMAUMA

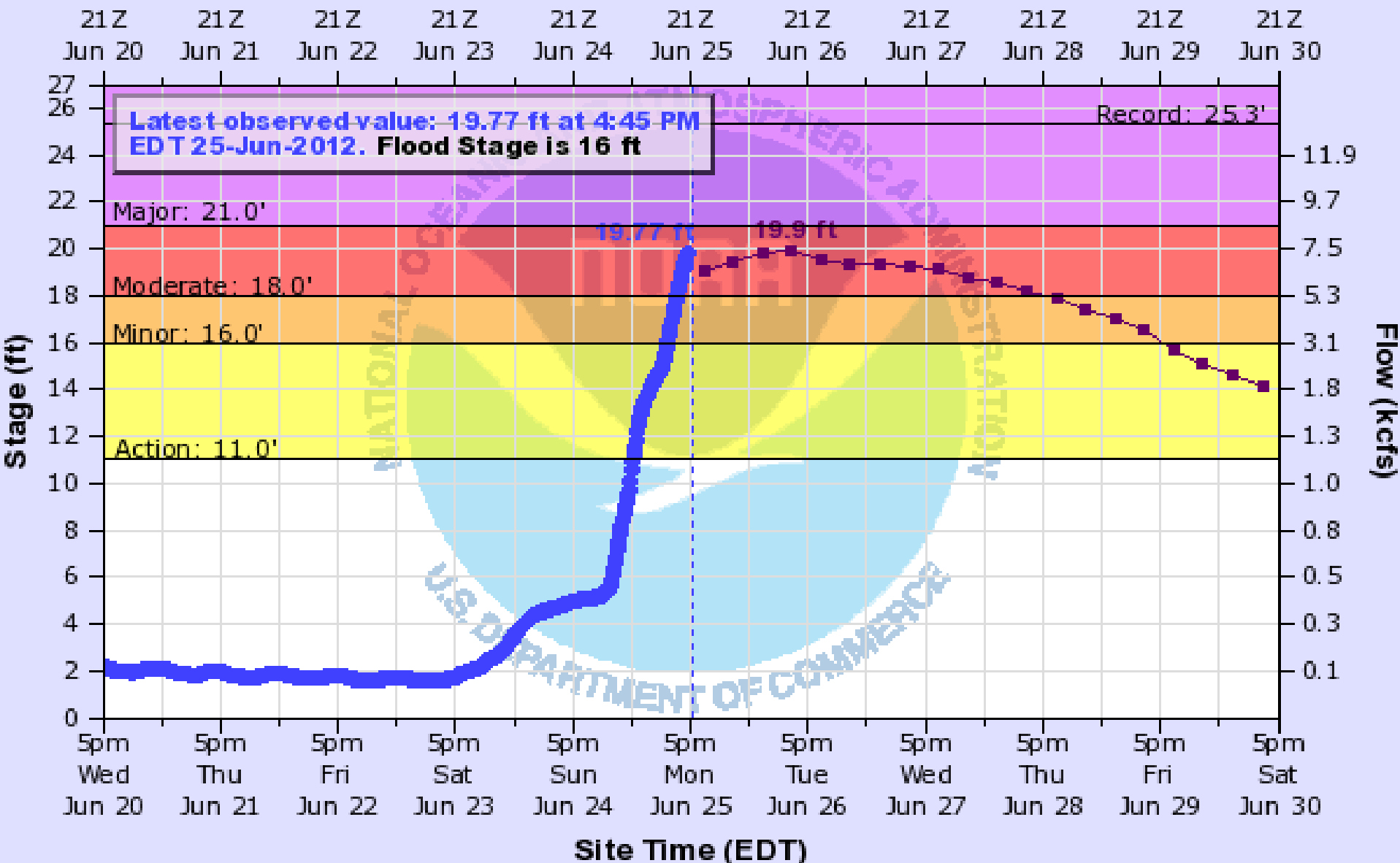
Universal Time (UTC)



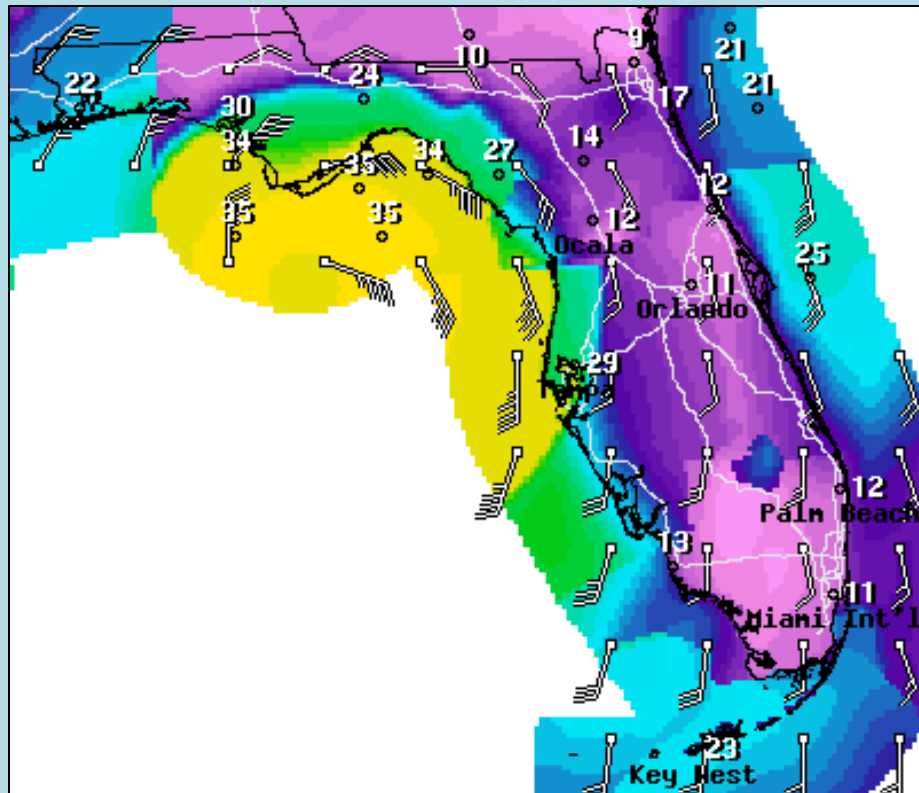


# NORTH FORK BLACK CREEK NEAR MIDDLEBURG

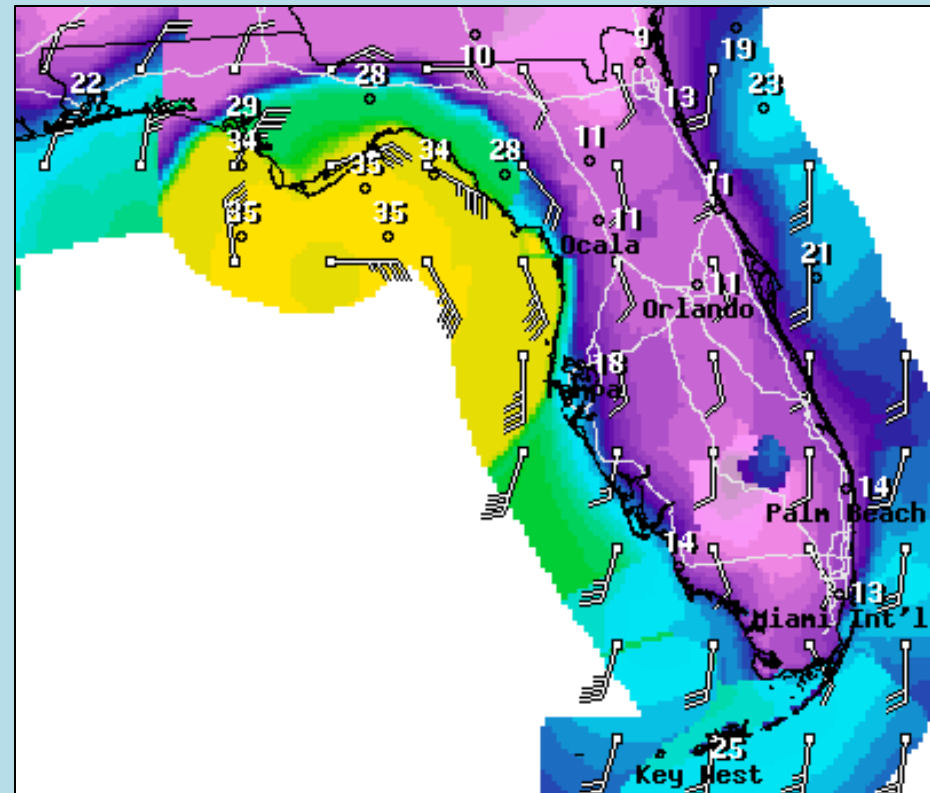
Universal Time (UTC)



# Sustained Wind Forecast



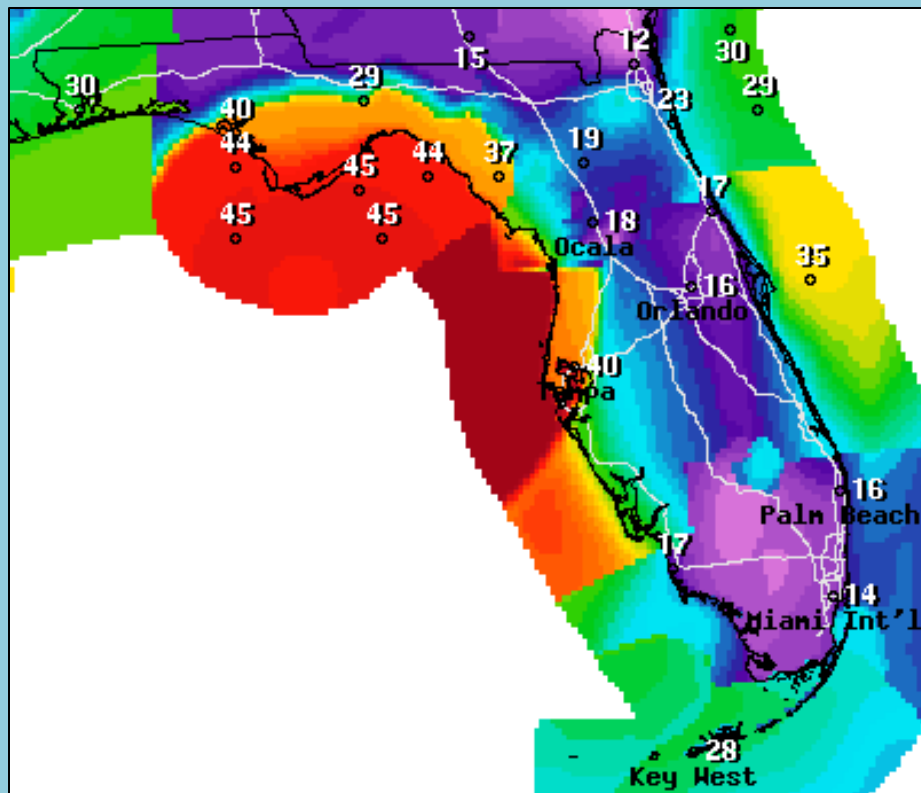
8pm Monday



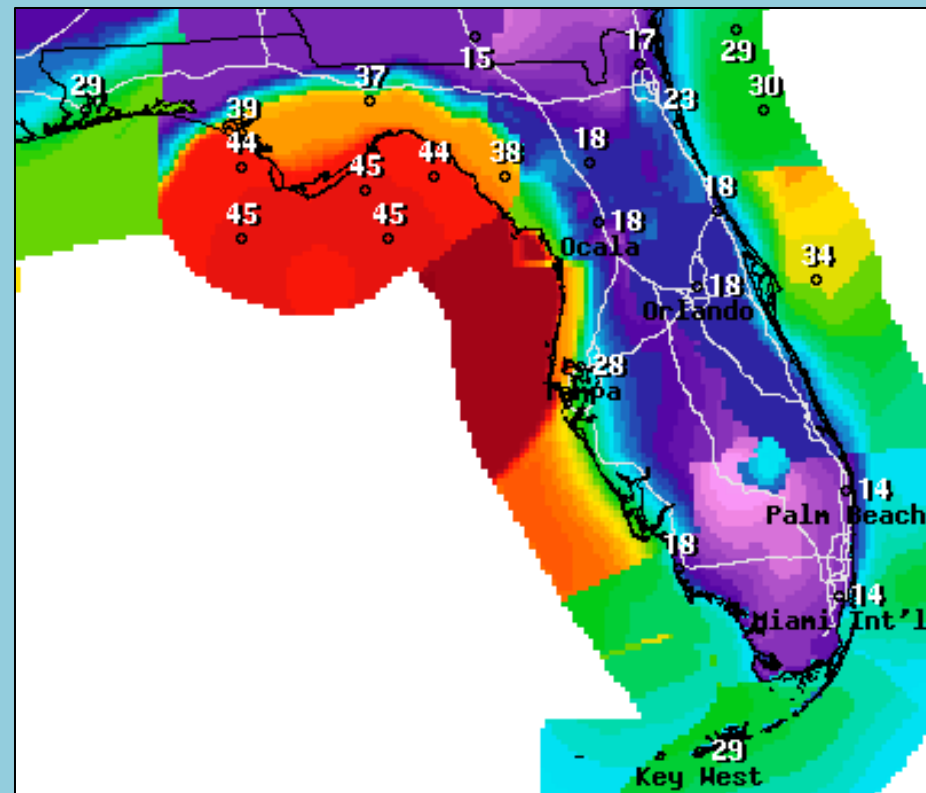
2am Tuesday



# Wind Gust Forecast



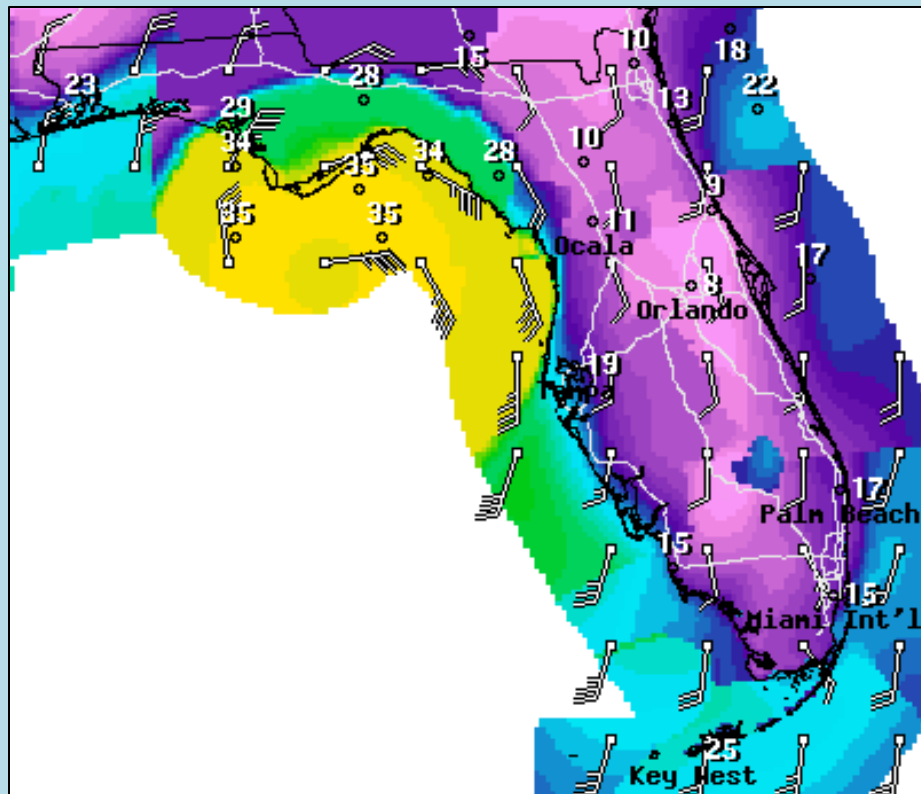
8pm Monday



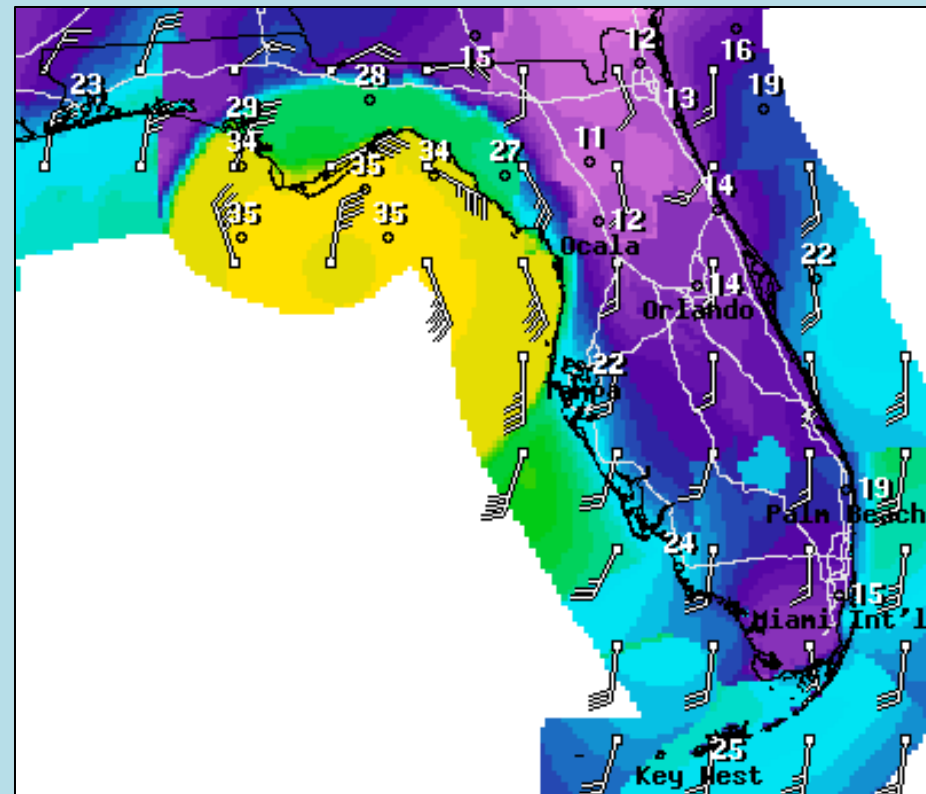
2am Tuesday



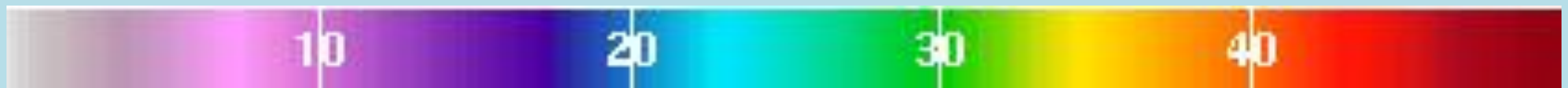
# Sustained Wind Forecast



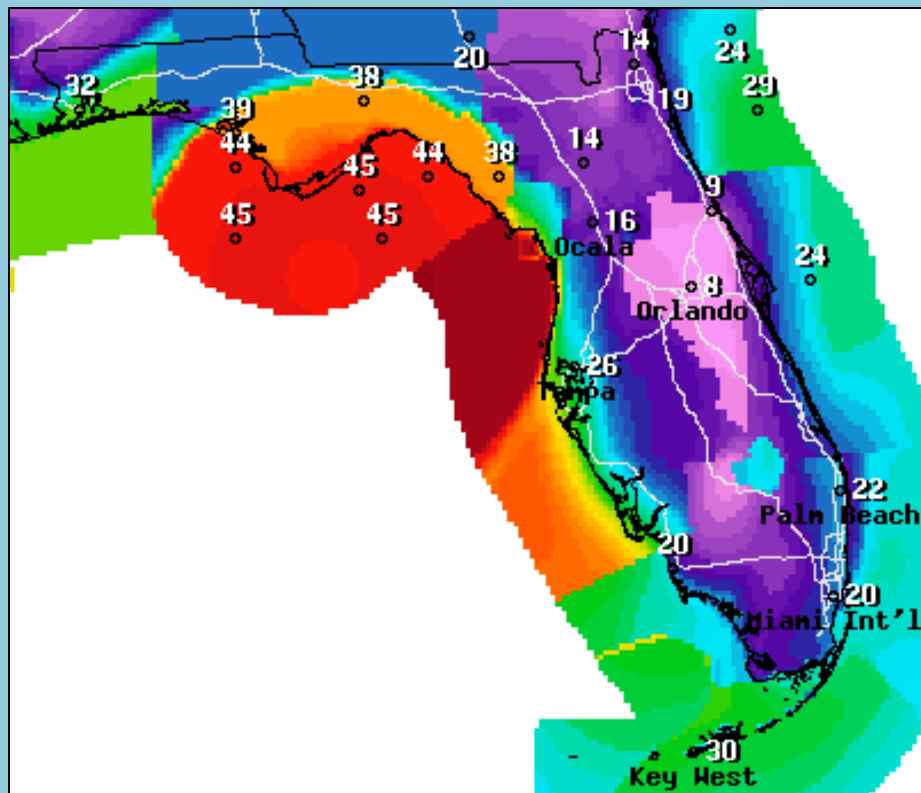
8am Tuesday



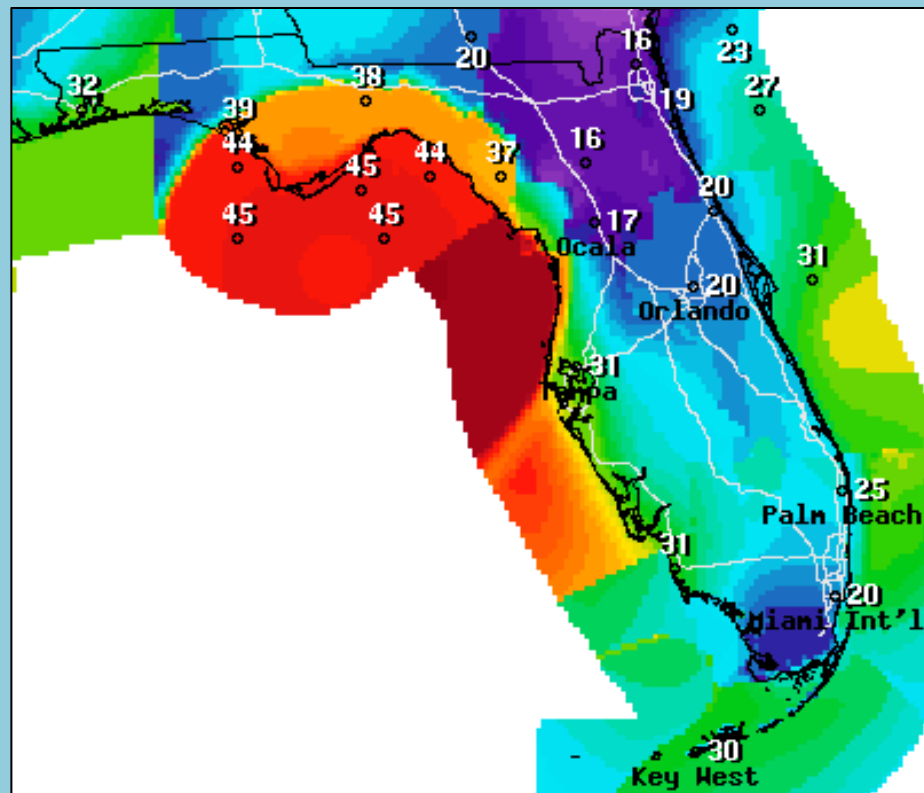
2pm Tuesday



# Wind Gust Forecast



8am Tuesday

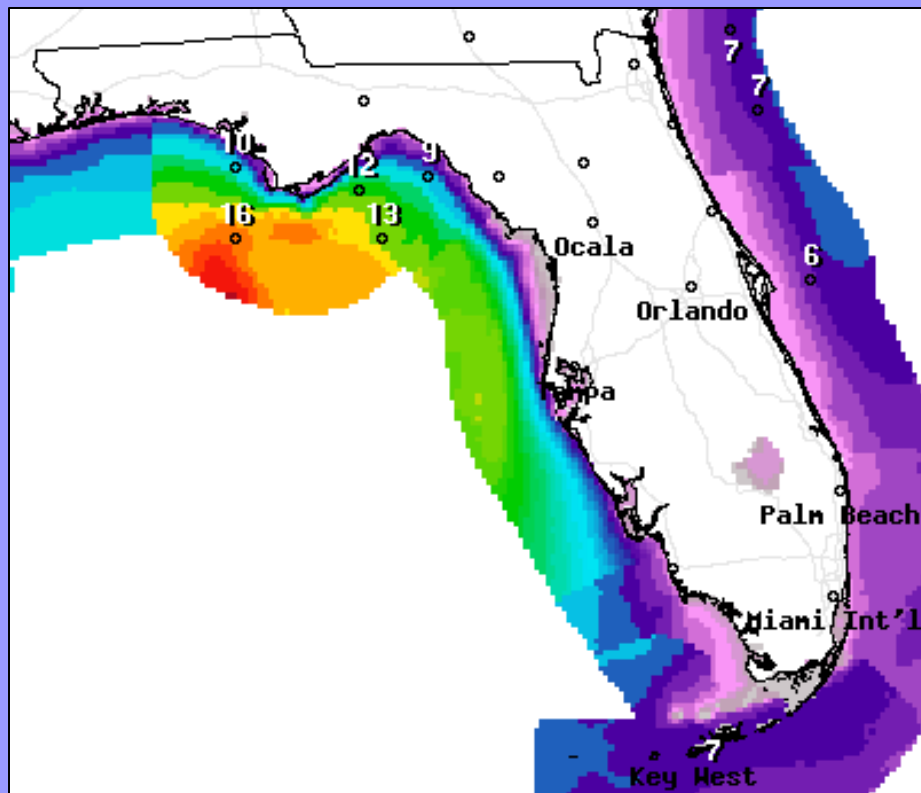


2pm Tuesday

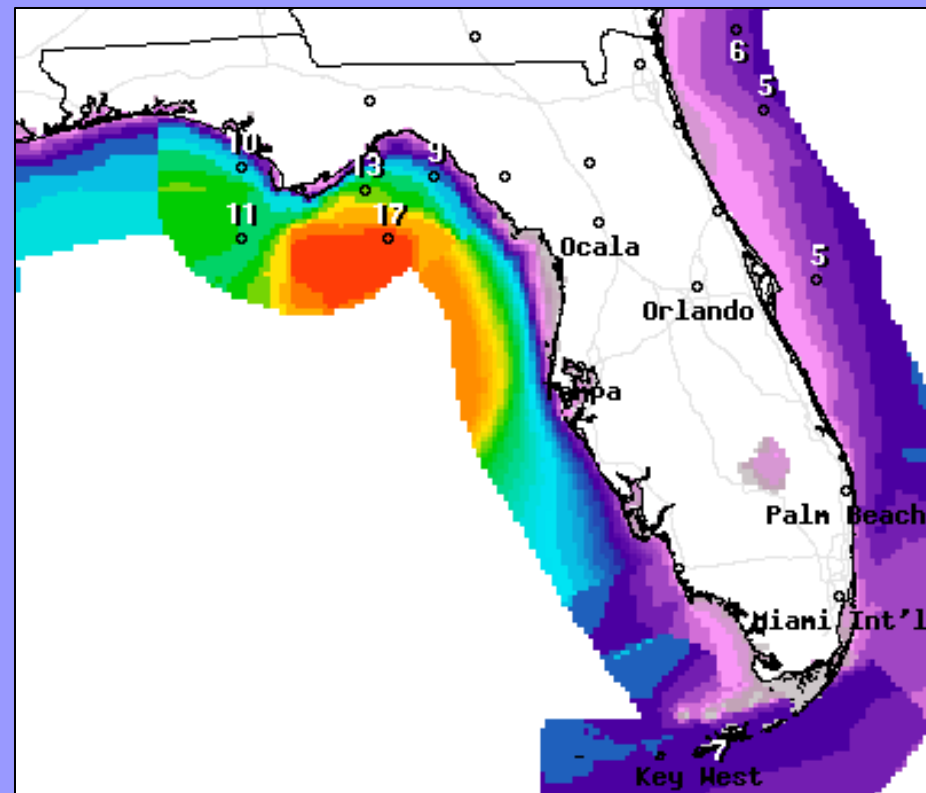




# Wave Forecast

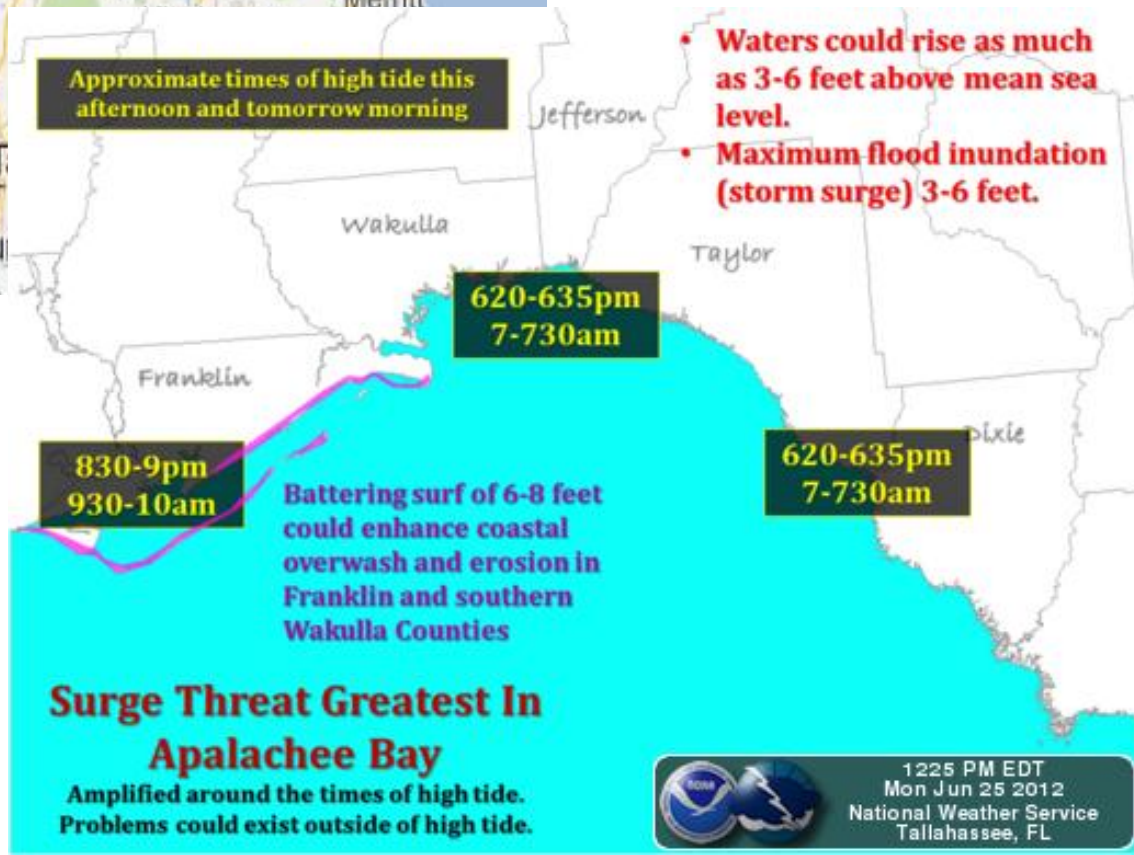
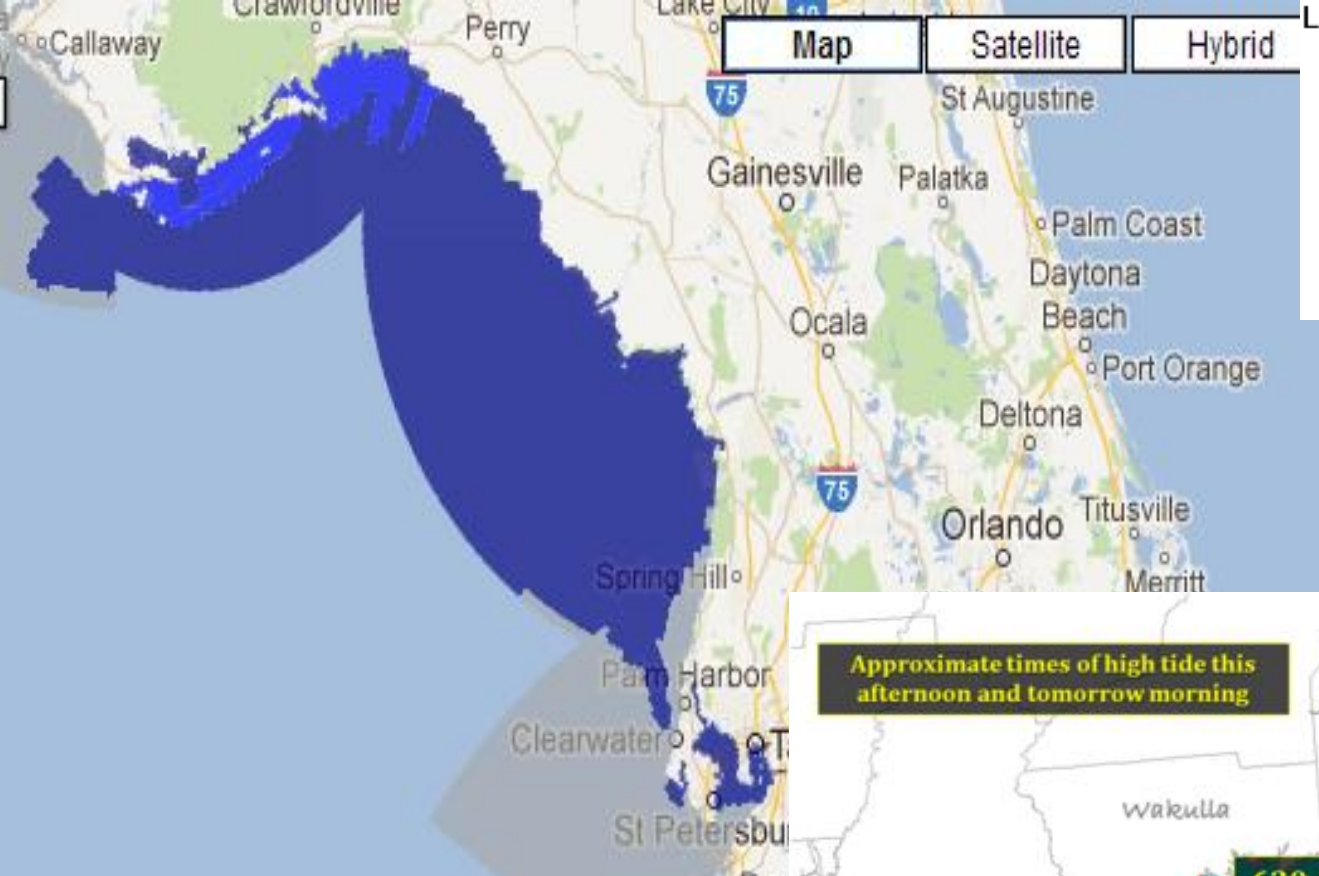


Tonight



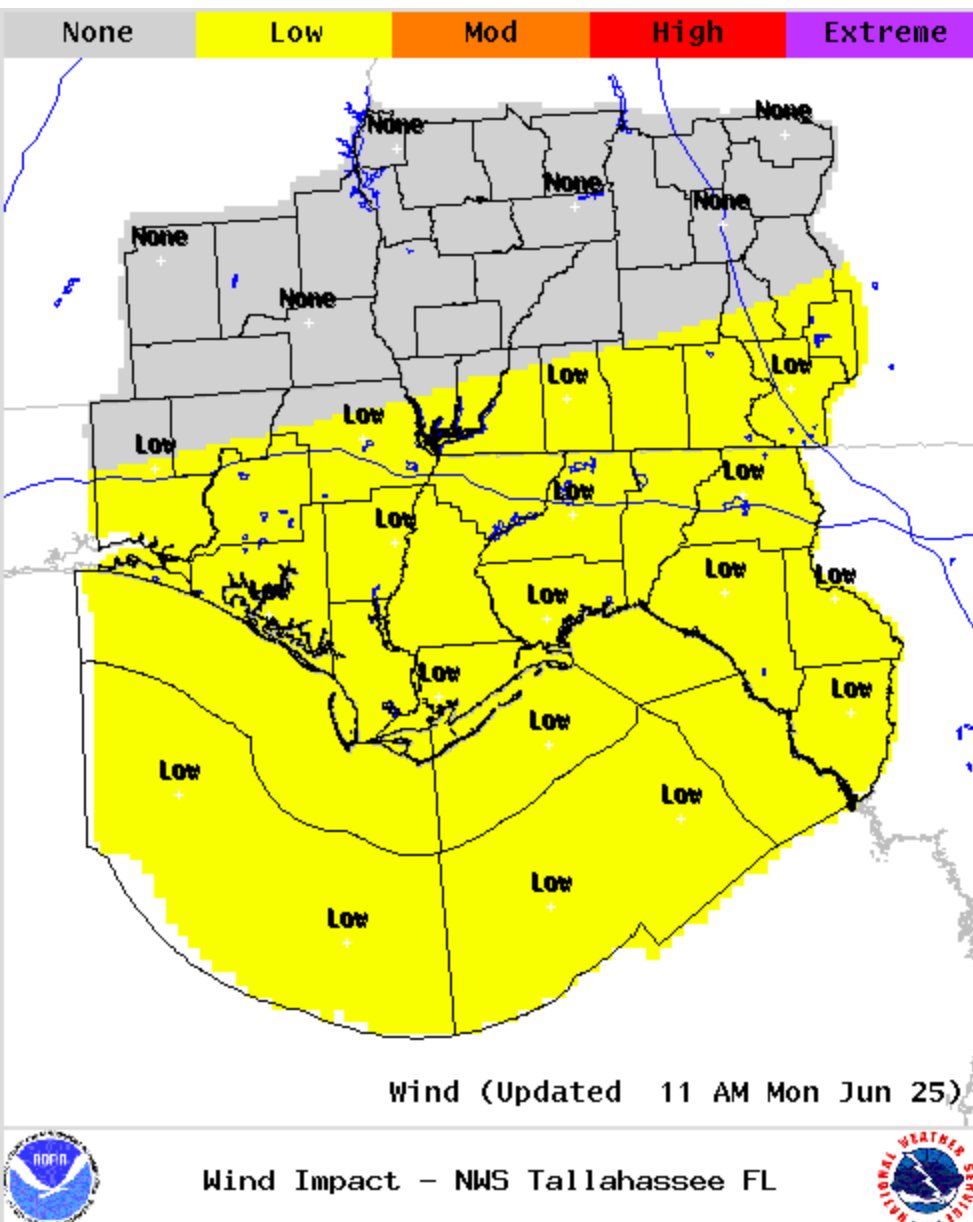
Tomorrow





# Storm Surge Probabilities

# Eastern Panhandle/Big Bend Wind Impact



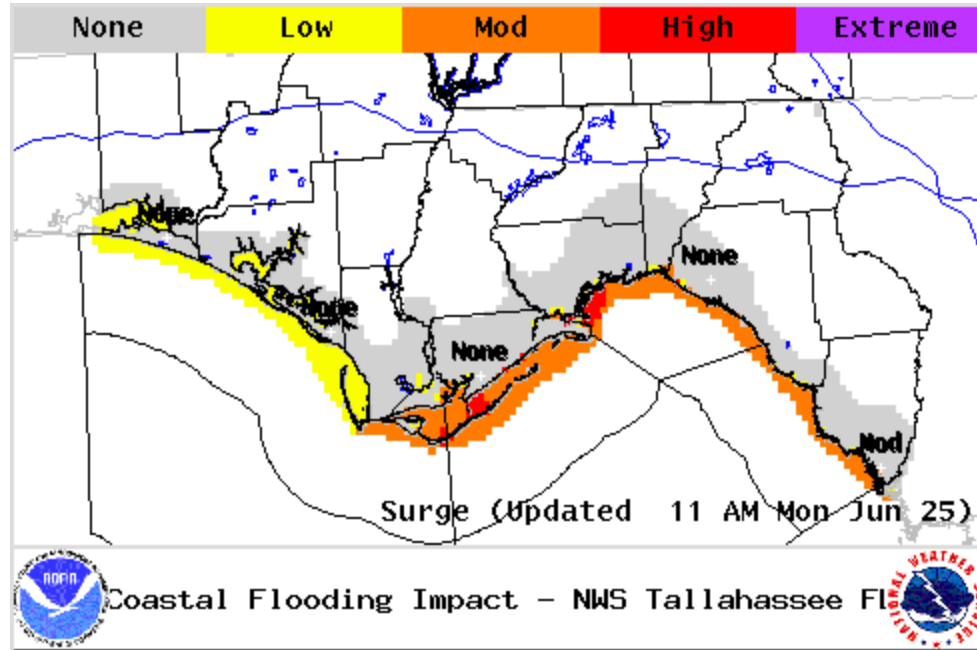
**Low**

**Minimum Action** - Prepare for the possibility of minor to locally moderate wind damage.

**Potential Impact** - If realized, expect a low but notable impact to communities in the specified area. Winds capable of causing minor damage to frame built homes, primarily due to loss of shingles or gutters. Mobile homes will experience minor to moderate damage with loss of roof covering possible. Most weaker trees will be uprooted with large limbs likely breaking from larger trees. Scattered power outages will occur. Moderate

**Threat** - A significant threat to life and property; the reasonable chance for strong tropical storm force winds (58 to 73 mph).

# Eastern Panhandle/Big Bend Coastal Flood Impact



## Low

**Minimum Action** - Prepare for the possibility of minor to locally moderate coastal flood damage.

**Potential Impact** - If realized, expect a low but notable impact to communities in the specified area. Coastal flood waters capable of causing minor flooding of coastal communities. All residents living on prone shorelines can expect some water incursion near or into their homes. Those in typically flood prone areas may have a foot or two of water in their homes, causing minor damage. Shoreline roads may briefly close or become cut off. Moderate beach erosion is possible, becoming extensive if conditions extend through multiple high tide cycles. Conditions will be worsened by battering waves. Such waves will increase the likelihood of property damage, especially to structures on the shoreline.

**Threat** - A significant threat to life and property; the reasonable chance for combined storm surge and tide resulting in sea water inundation of 4 to 5 feet.

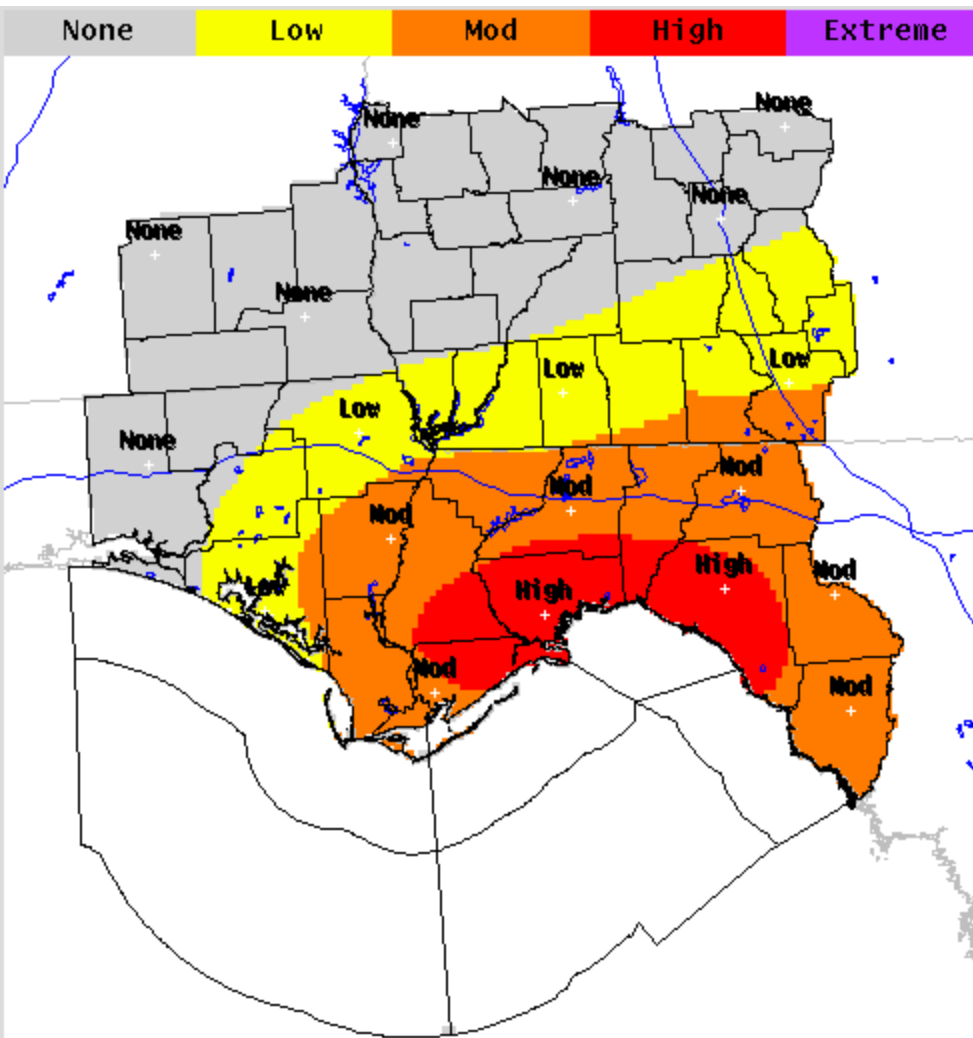
## Moderate

**Minimum Action** - Prepare for the possibility of moderate coastal flood damage.

**Potential Impact** - If realized, expect a moderate impact to communities in the specified area. Coastal flood waters capable of causing moderate inundation likely. Non-elevated homes will likely become inundated in flood prone areas. Entire flood-prone coastal communities will be temporarily cutoff. In some situations elevated water levels may extend a couple miles inland from the coast, especially in the Florida Big Bend. Coastal residents of one story homes who do not evacuate will face life-threatening consequences; those in multi-story or multi-unit facilities risk being cut off by the flooding. Parked vehicles will be severely damaged or float away in the flood zone. Conditions will be worsened by battering waves. Such waves will exacerbate property damage. Beach erosion will be substantial, and require months to clean up.

**Threat** - A critical threat to life and property; the reasonable chance for combined storm surge and tide resulting in sea water inundation of 6 to 7 feet.

# Eastern Panhandle/Big Bend Inland Flood Impact



Inland Flood (Updated 11 AM Mon Jun 25)

## Low

**Minimum Action** - Prepare for the possibility of minor inland flooding.

**Potential Impact** - If realized, expect a low but notable impact to communities within the specified area. Several locations may experience minor inland flooding with highest flood waters capable of causing minor property damage, primarily limited to poorly draining areas. Known vulnerable intersections may flood.

**Threat** - A significant threat to life and property; the reasonable chance for highest rainfall totals to exceed amounts conducive for (flash) flooding.

## Moderate

**Minimum Action** - Prepare for the possibility of moderate inland flooding.

**Potential Impact** - If realized, expect a moderate impact to communities within the specified area. Several locations may experience moderate inland flooding with highest flood waters capable of causing localized flooding, especially in poor drainage locations. In these areas, minor to moderate property damage is expected, and several roads may be closed. Known intersections with very poor drainage may become impassible. Many small streams and creeks will reach or exceed bank full. Those which respond quickly to very heavy rain may reach flood stage and block roads.

**Threat** - A critical threat to life and property; the reasonable chance for highest rainfall totals to well exceed amounts conducive for (flash) flooding.

**Minimum Action** - Prepare for the possibility of major inland flooding.

## High

**Minimum Action** - Prepare for the possibility of major inland flooding.

**Potential Impact** - If realized, expect a high impact to communities within the specified area. Several locations may experience major inland flooding with highest flood waters capable of causing significant property damage. People living near or in poor drainage locations should prepare for possible evacuation. In these areas, significant property damage will occur. Water levels in poor drainage areas will make travel impossible with road closures likely. Many rivers in affected areas will rise, likely exceeding flood stage. Significant flooding of farm land is expected.

**Threat** - An extreme threat to life and property; the reasonable chance for highest rainfall totals to greatly exceed amounts conducive for (flash) flooding.

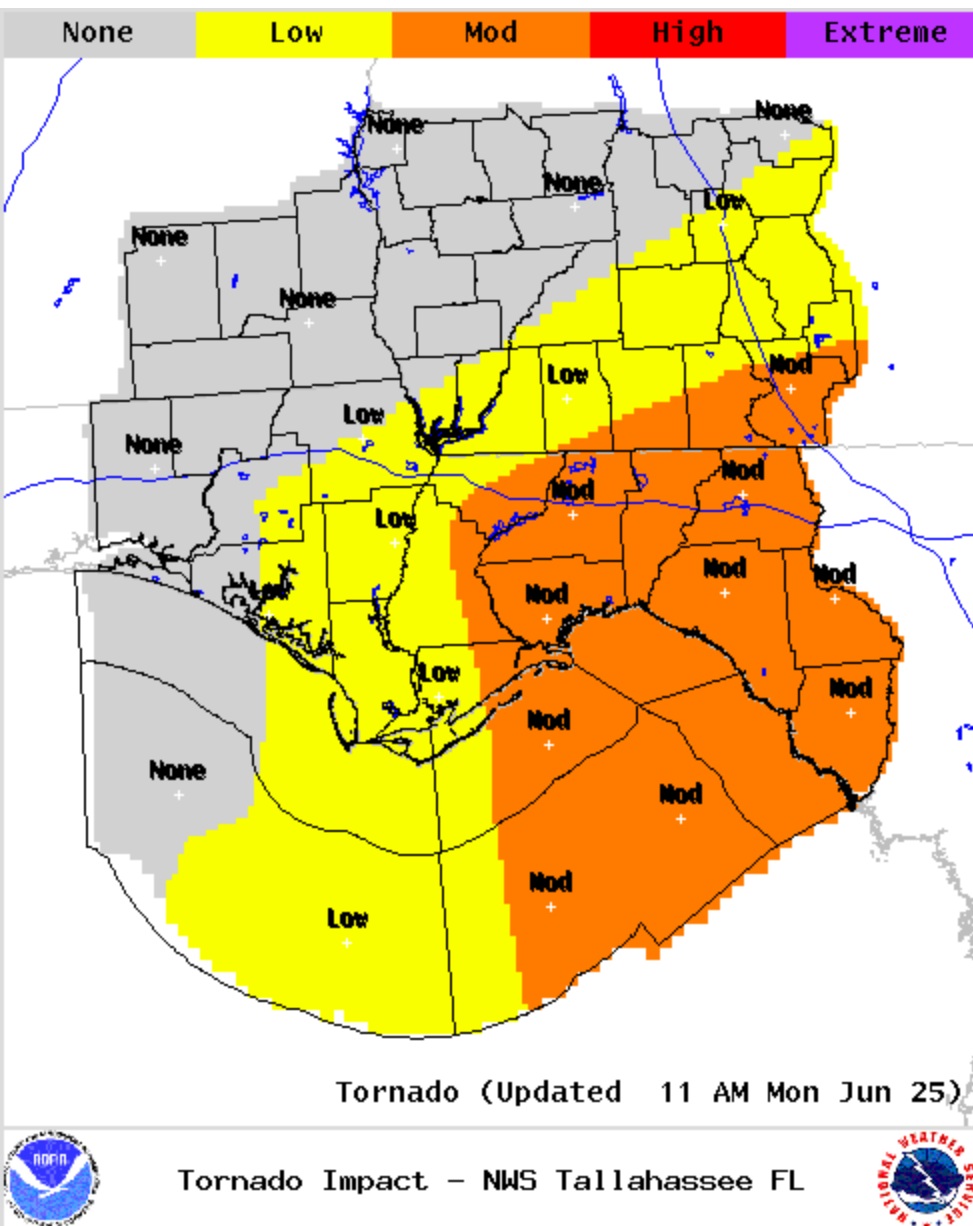


Inland Flooding Impact - NWS Tallahassee FL





# Eastern Panhandle/Big Bend Tornado Impact



## Low

**Threat** - An elevated threat to life and property; tornadoes and waterspouts are possible, but less likely to occur than to occur.

**Minimum Action** - Prepare for the chance of widely scattered tornadoes.

**Potential Impact** - If realized, a low but notable impact to communities within the specified area. Several locations may experience minor to moderate tornado damage.

## Moderate

**Threat** - A significant threat to life and property; tornadoes and waterspouts are possible, and more likely to occur than not to occur.

**Minimum Action** - Prepare for the chance of scattered tornadoes including isolated significant tornadoes.

**Potential Impact** - If realized, a moderate impact to communities within the specified area. A few locations may experience major tornado damage with additional locations experiencing minor to moderate damage. Some tornadoes may have longer damage tracks.