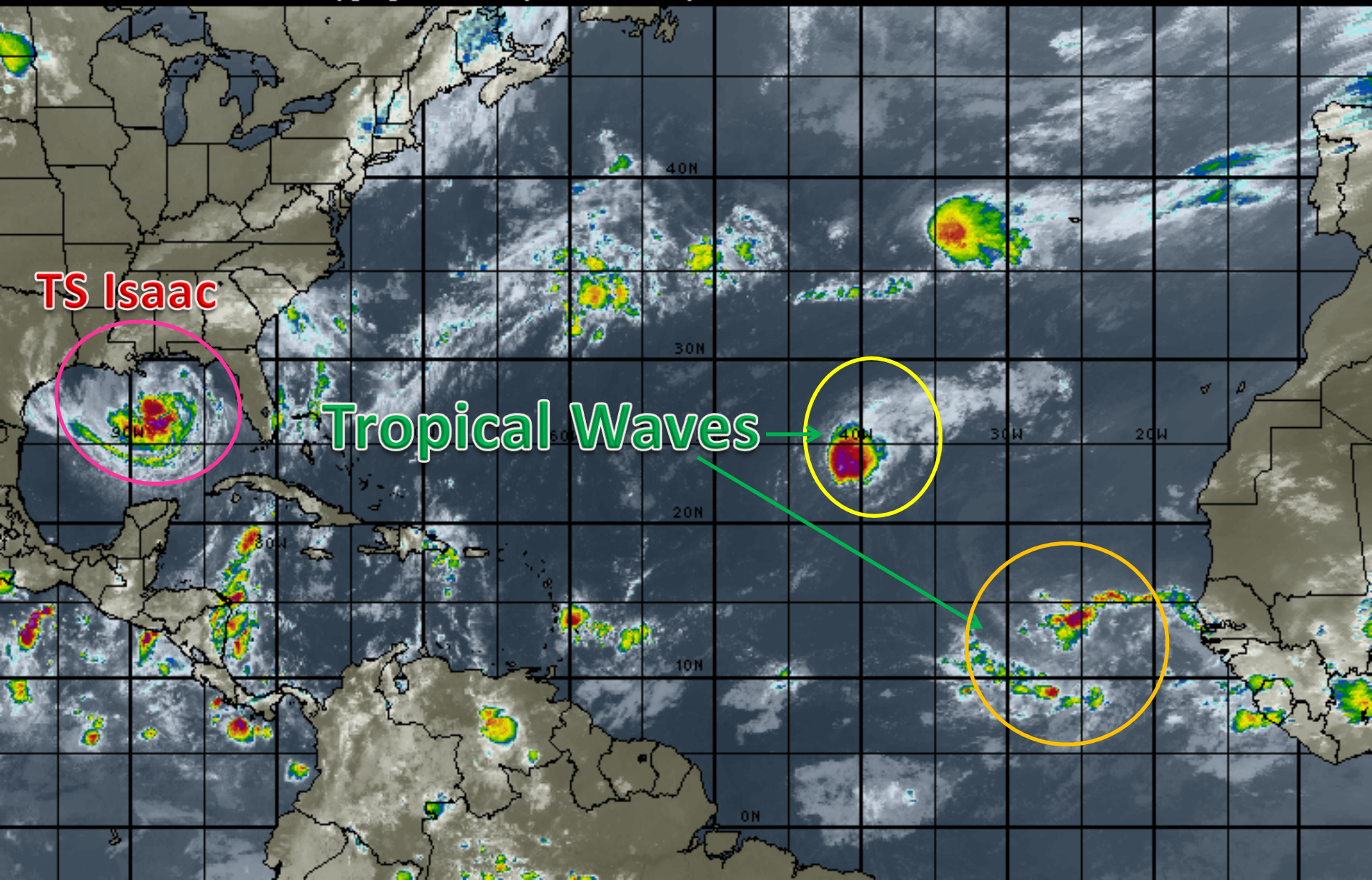


Atlantic Basin Satellite Image

09:00 28-AUG-2012 GMT ©Copyright WSI Corporation <http://www.wsi.com>



Tropical Storm Isaac

4 AM CDT-Tue Aug-28-2012

Position 27.5 N 88.1 W

Maximum Winds 70 mph

Gusts 85 mph

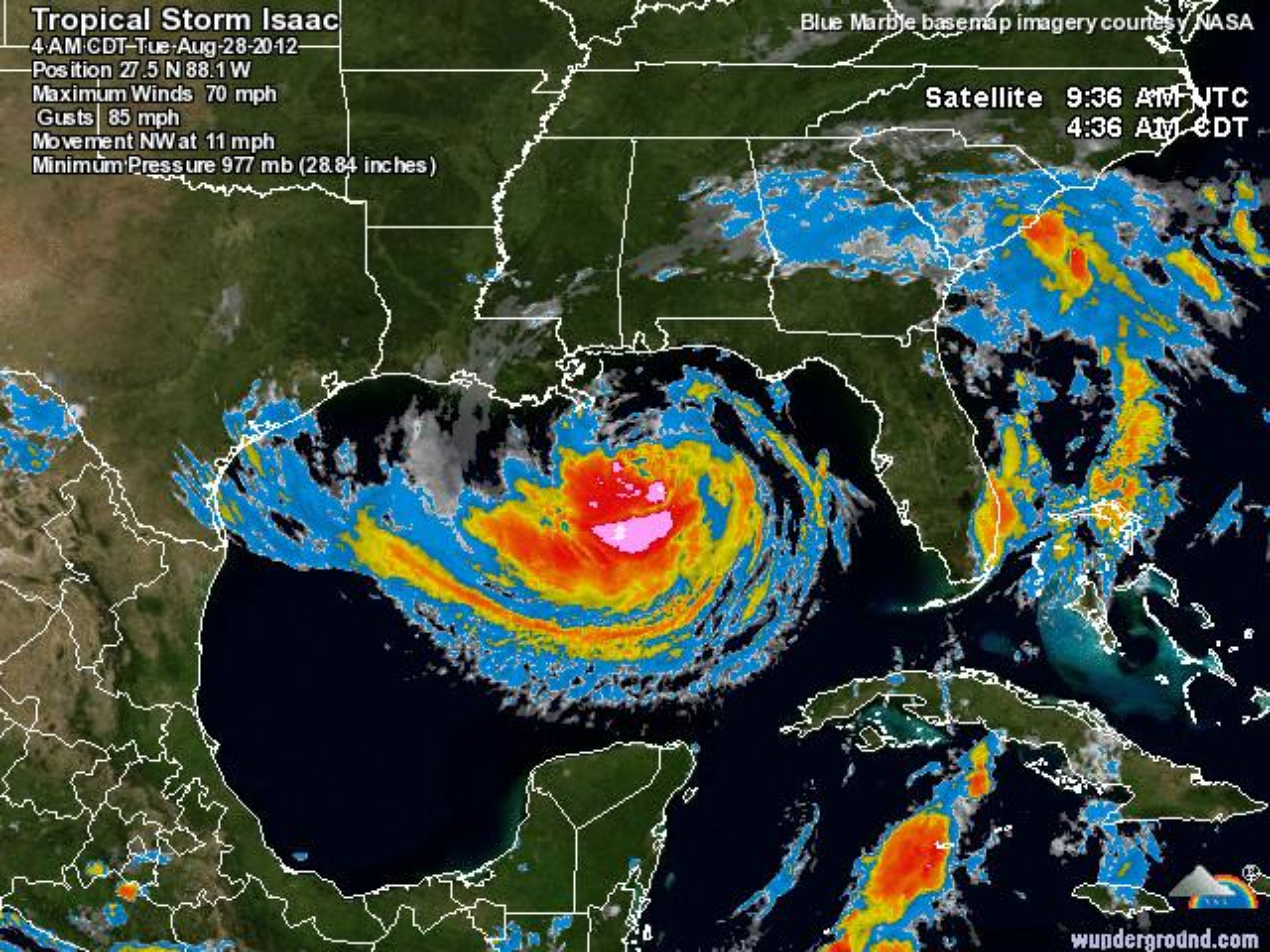
Movement NW at 11 mph

Minimum Pressure 977 mb (28.84 inches)

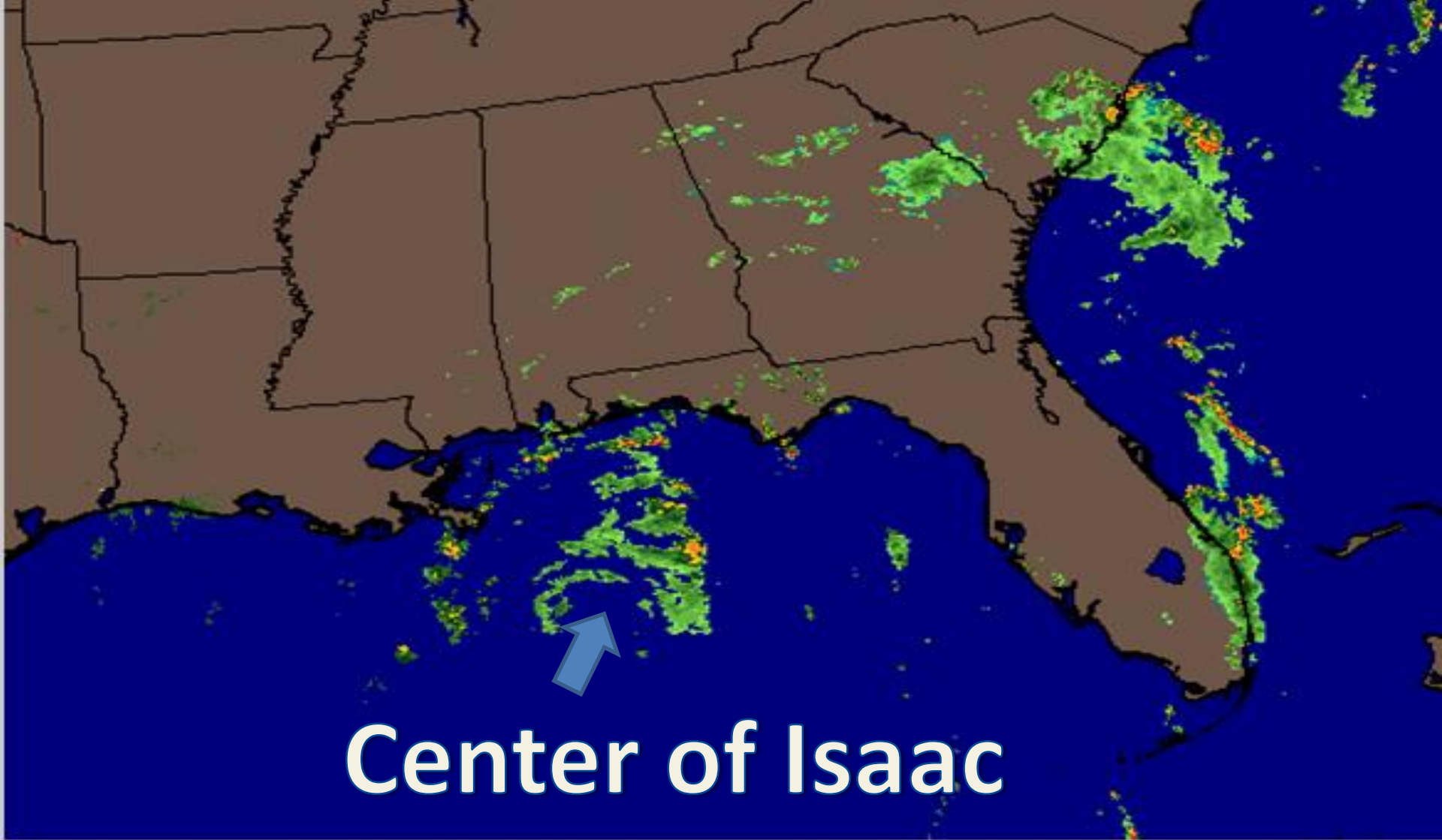
Blue Marble basemap imagery courtesy NASA

Satellite 9:36 AM UTC

4:36 AM CDT



wunderground.com

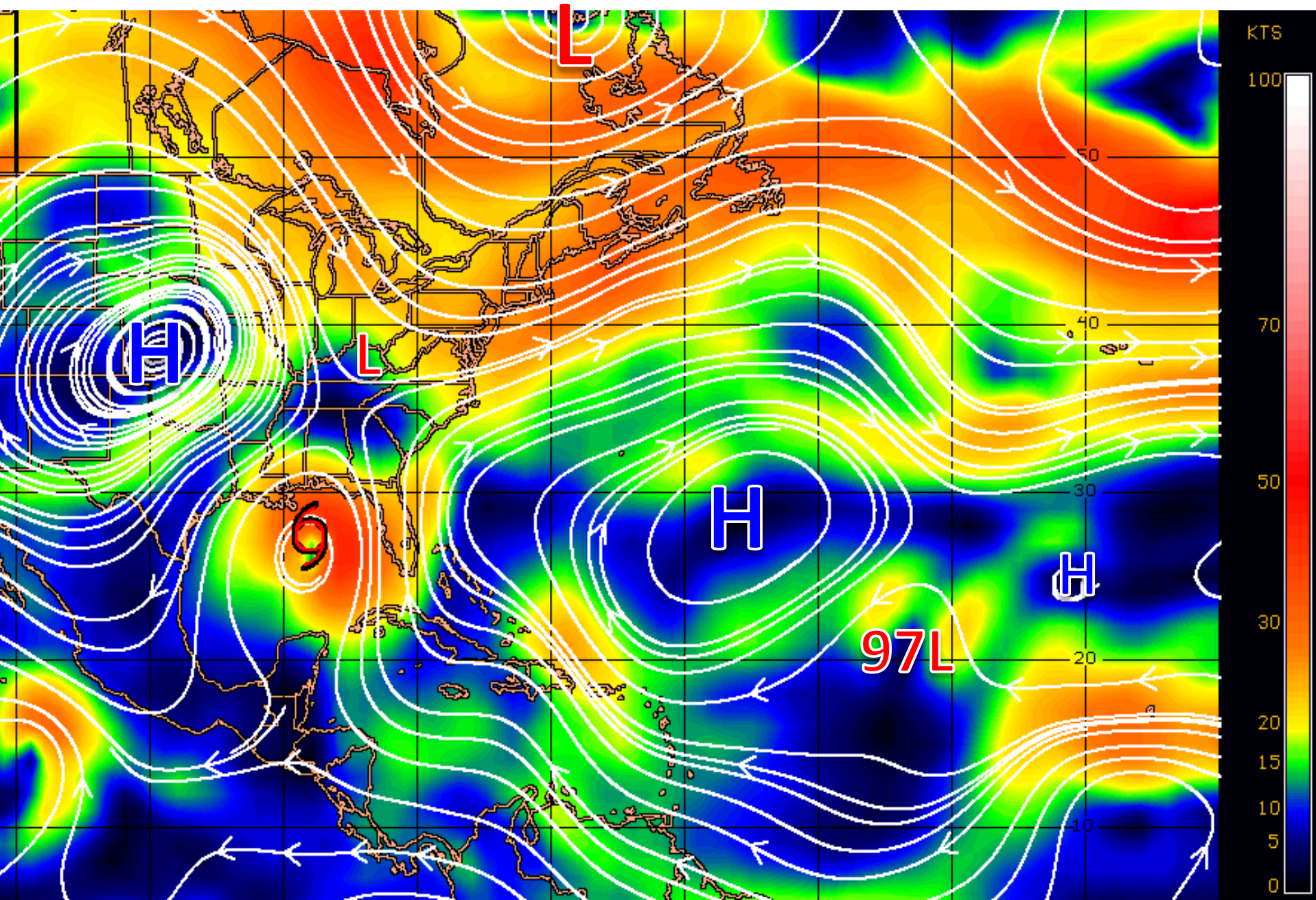


Center of Isaac

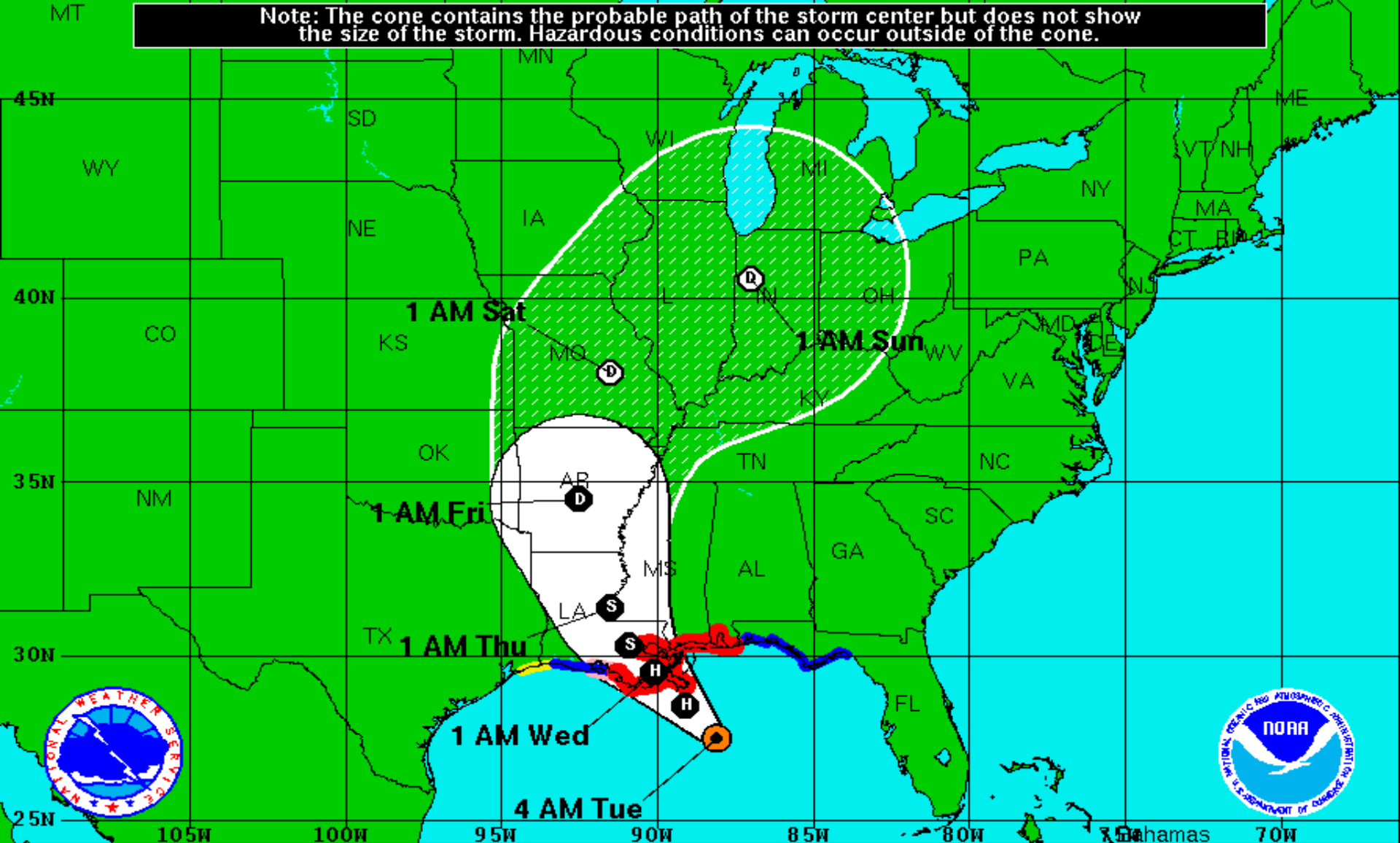
Click on a state to access the latest state radar image.




Steering Currents





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 Isaac
 Tuesday August 28, 2012
 4 AM CDT Advisory 29
 NWS National Hurricane Center

Current Information: 
 Center Location 27.5 N 88.1 W
 Max Sustained Wind 70 mph
 Movement NW at 12 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

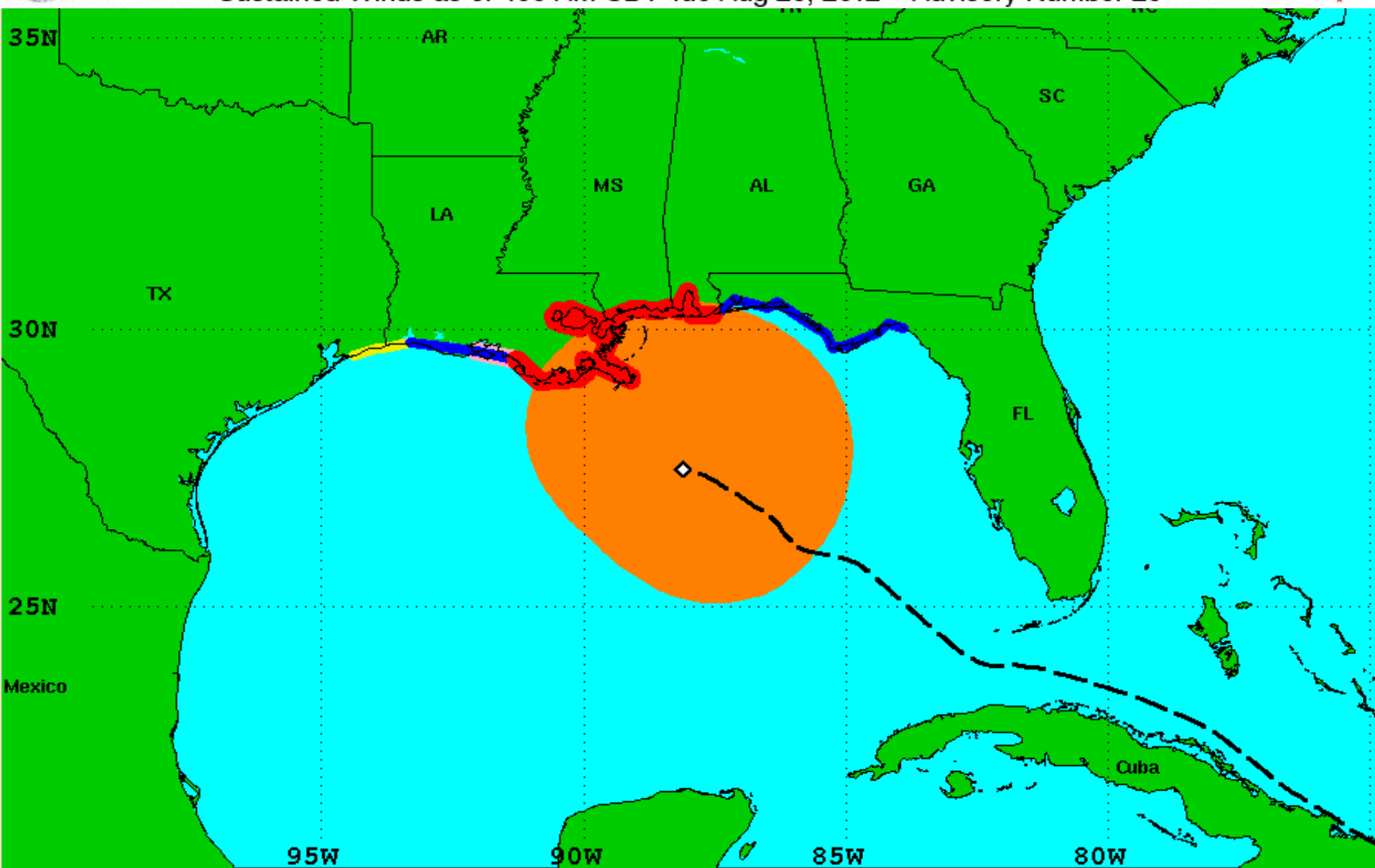
Watches:
 Hurricane  Trop.Storm

Warnings:
 Hurricane  Trop.Storm



Surface Wind Field of Tropical Storm Isaac

Sustained Winds as of 400 AM CDT Tue Aug 28, 2012 Advisory Number 29



Watches:	Warnings:	Sustained Winds:	Position:
 Hurricane Watch	 Hurricane Warning	 Hurricane Force	 Center as of 400 AM CDT
 Tropical Storm Watch	 Tropical Storm Warning	 Tropical Storm Force	 Past Track

U.S. Tropical Storm and Hurricane Alerts



Weather Underground®
wunderground.com

5 AM EDT Tue Aug 28 2012

Position 27.5 N 88.1 W

Maximum Winds 70 mph Gusts 85 mph

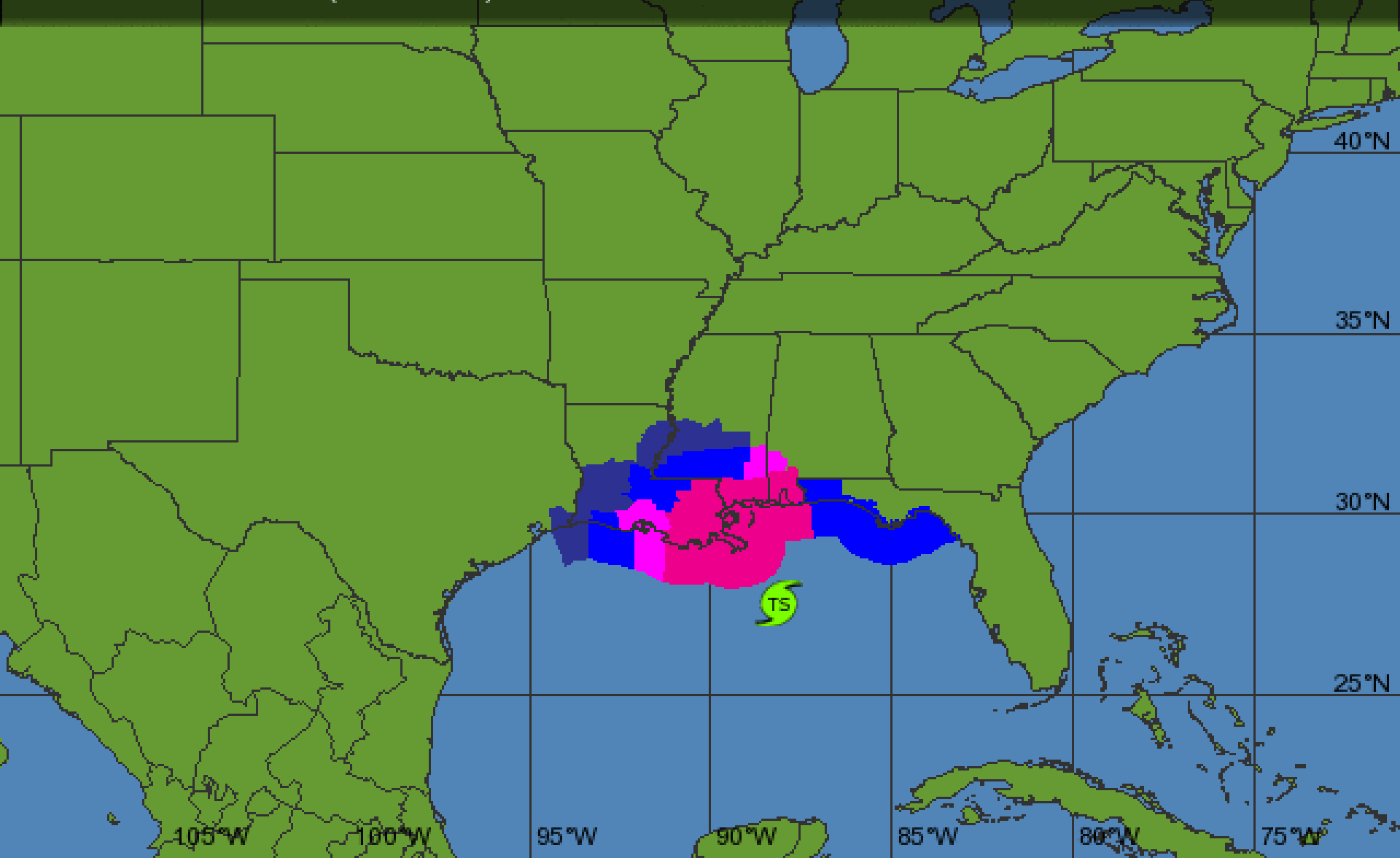
Movement NW at 11 mph

Minimum Pressure 977 mb (28.84 inches)

Hurricane Warning
Hurricane Watch

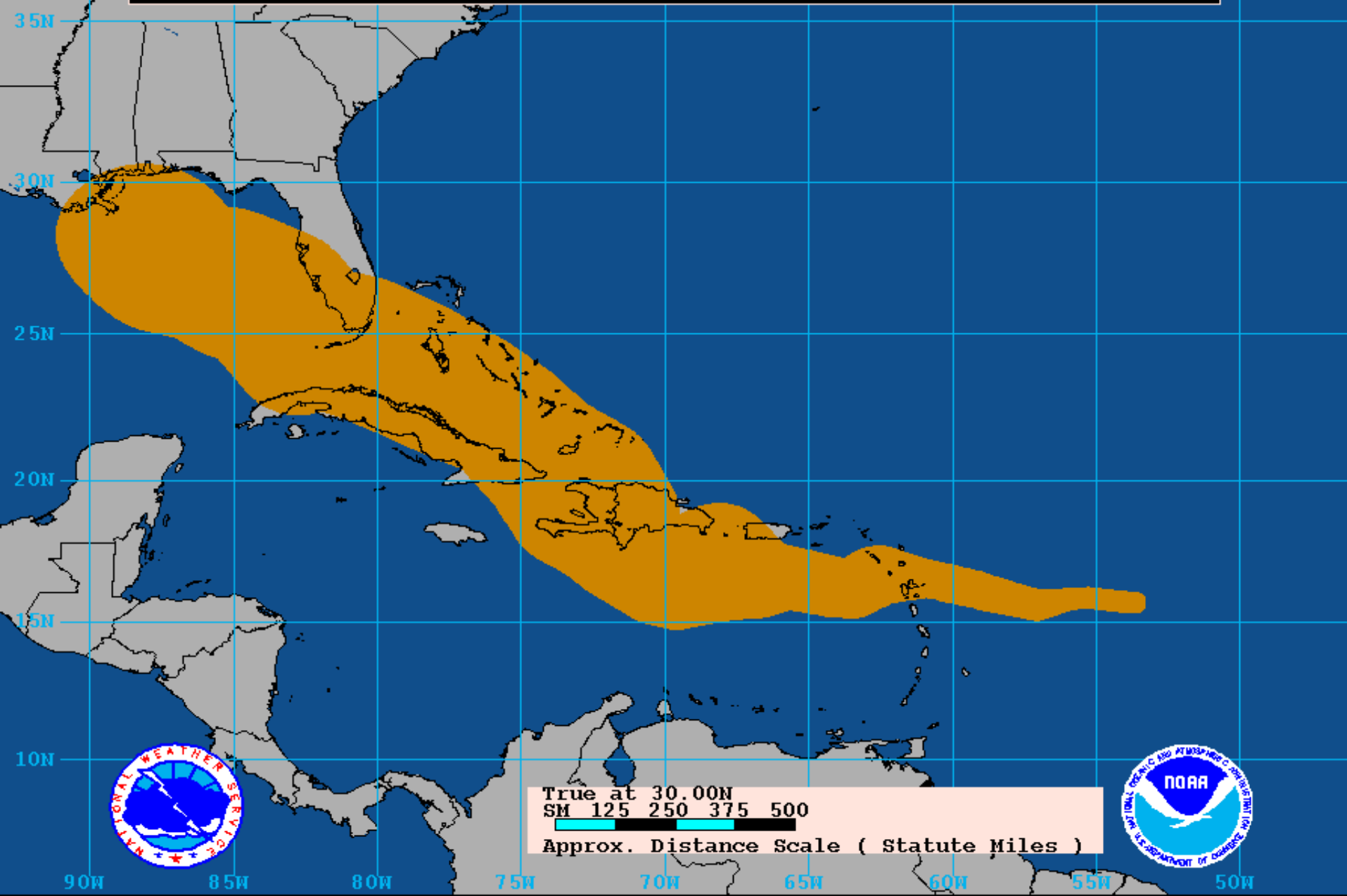
Tropical Storm Warning
Tropical Storm Watch

Tornado Warning
Tornado Watch

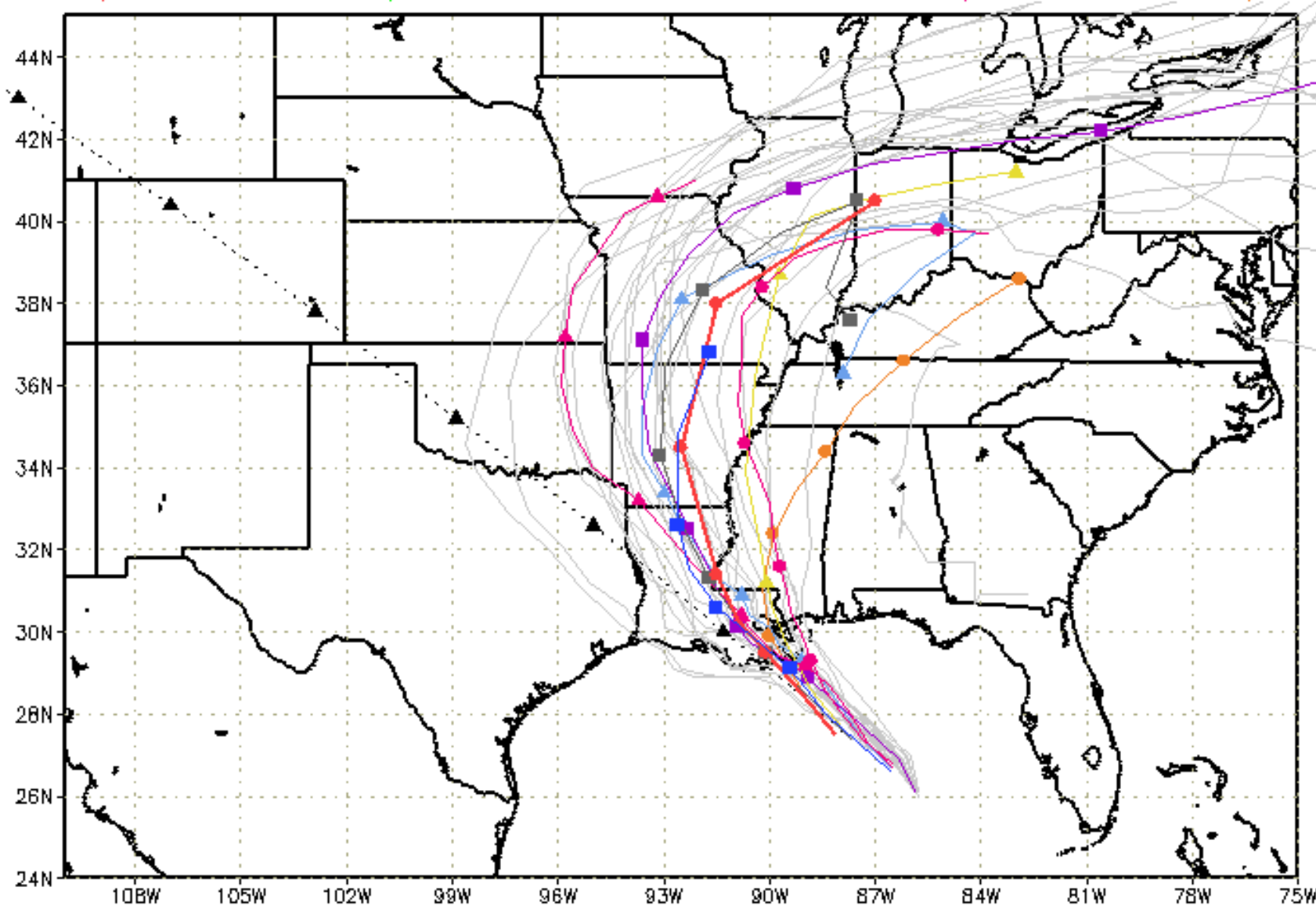


NATIONAL WEATHER SERVICE/NATIONAL HURRICANE CENTER

TROPICAL STORM AND HURRICANE FORCE WIND SWATHS OF ISAAC
FROM ADVISORIES 1 THROUGH 29



---▲--- XTRP 28/0600Z ▲ BAMD 28/0600Z ▲ GFDL 28/0000Z ▲ AVNO 28/0000Z ▲ CMC 28/0600Z
 ---■--- TVCN 28/0600Z ■ BAMB 28/0600Z ■ UKM 28/0000Z ■ AEMN 27/1800Z --- APxx 27/1800Z
 ---●--- NHC 28/0900Z ● BAMS 28/0600Z ● NGPS Not Avail ● HWRF 28/0000Z ● GLP5 28/0600Z



storm_09

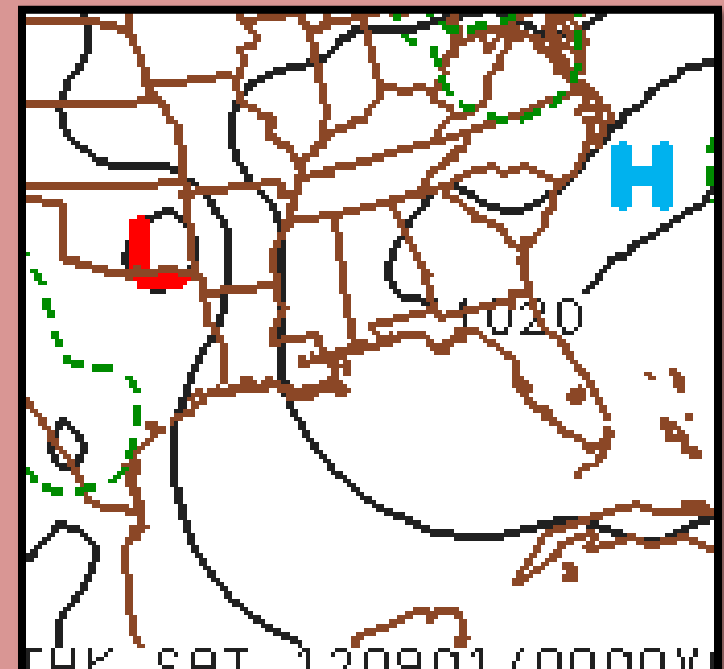
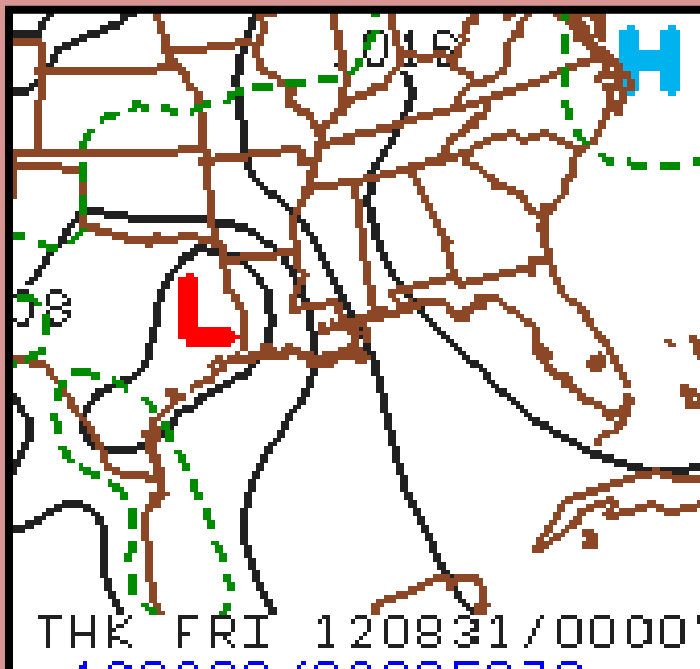
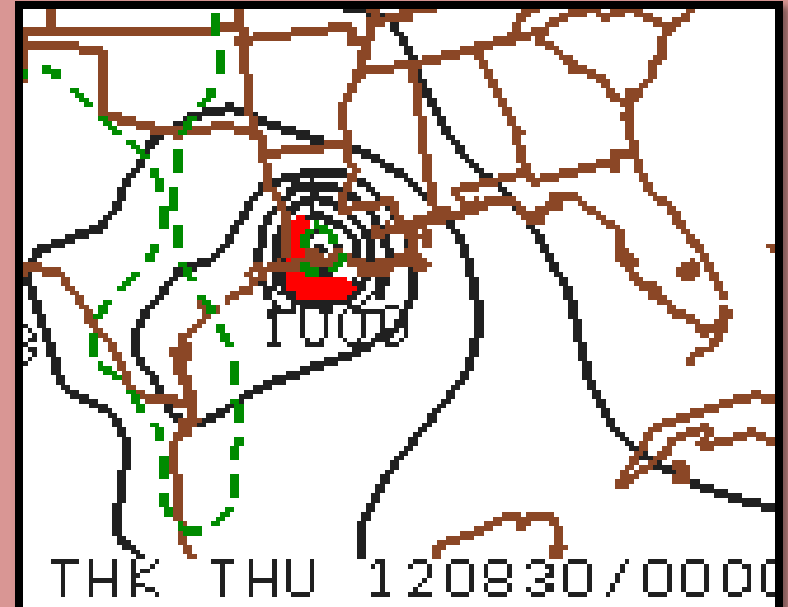
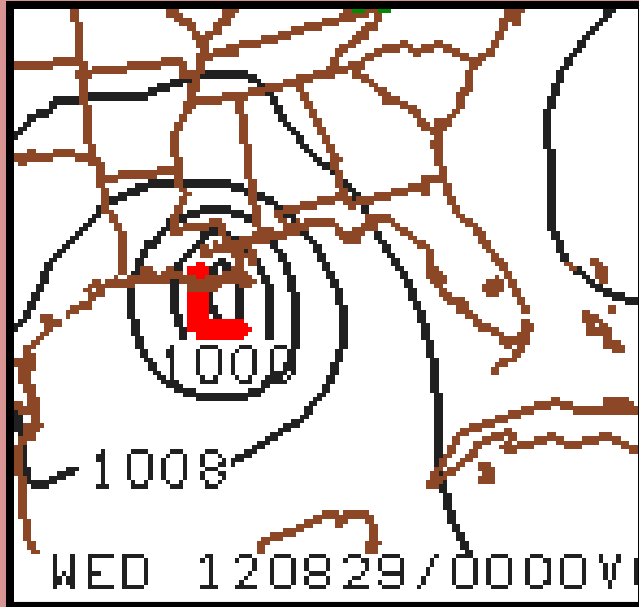
sfwmd.gov

weather@sfwmd.gov
28-Aug 05:51 EDT

NHC Advisories and County Emergency Management Statements supersede this product.
 This graphic should complement, not replace, NHC discussions.
 If anything on this graphic causes confusion, ignore the entire product.
 For full info, see <http://my.sfwmd.gov/sfwmd/common/images/weather/plots.html>



European Model (ECMWF)



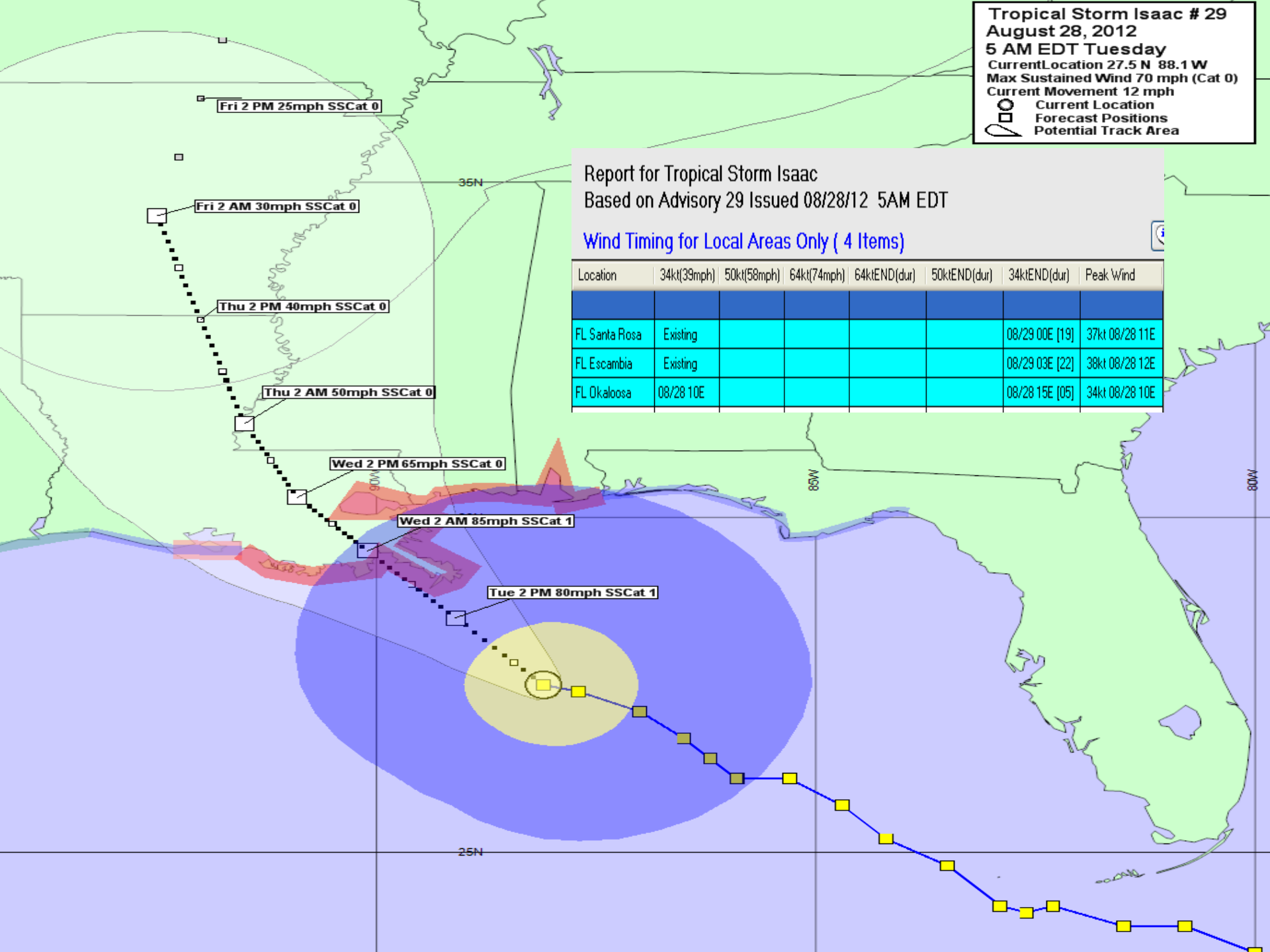
Tropical Storm Isaac # 29
August 28, 2012
5 AM EDT Tuesday
Current Location 27.5 N 88.1 W
Max Sustained Wind 70 mph (Cat 0)
Current Movement 12 mph


Current Location
Forecast Positions
Potential Track Area

Report for Tropical Storm Isaac
Based on Advisory 29 Issued 08/28/12 5AM EDT

Wind Timing for Local Areas Only (4 Items)

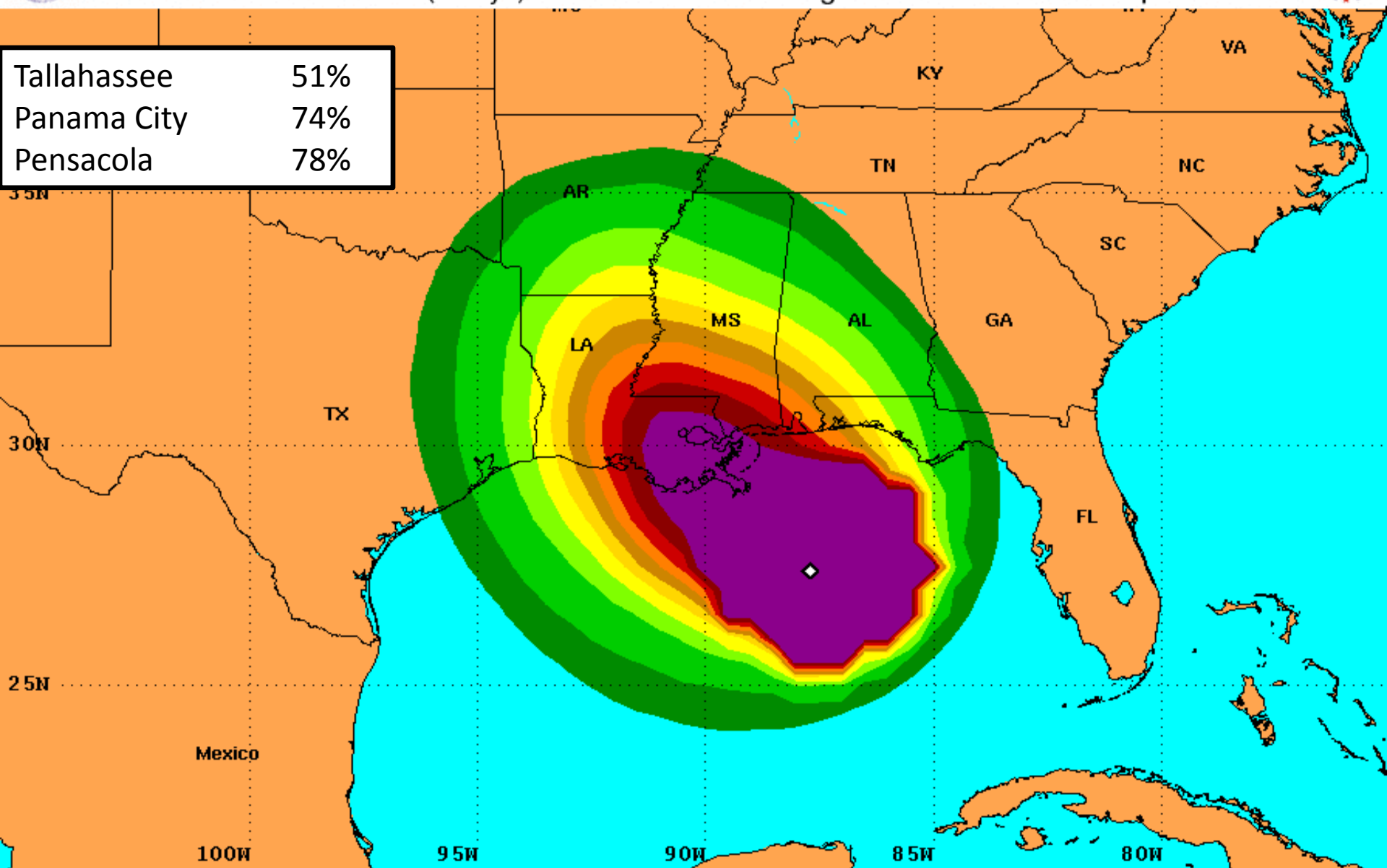
Location	34kt(39mph)	50kt(58mph)	64kt(74mph)	64ktEND(dur)	50ktEND(dur)	34ktEND(dur)	Peak Wind
FL Santa Rosa	Existing					08/29 00E [19]	37kt 08/28 11E
FL Escambia	Existing					08/29 03E [22]	38kt 08/28 12E
FL Okaloosa	08/28 10E					08/28 15E [05]	34kt 08/28 10E





Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 1 AM CDT Tue Aug 28 to 1 AM CDT Sun Sep 2



Tallahassee	51%
Panama City	74%
Pensacola	78%

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

◇ indicates TROPICAL STORM ISAAC center location at 1 AM CDT Tue Aug 28 2012 (Forecast/Advisory #29)

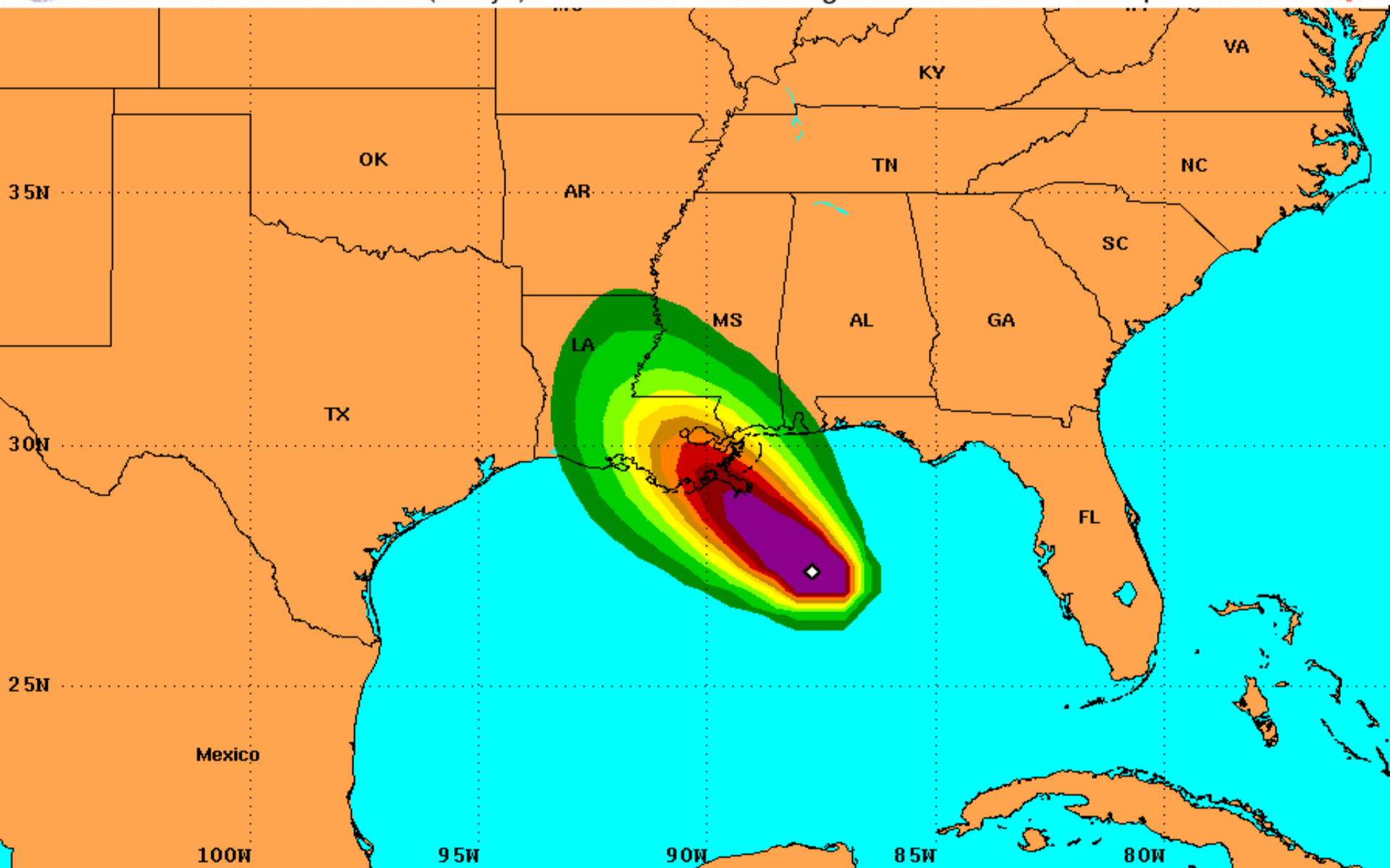




50-knot Wind Speed Probabilities



For the 120 hours (5 days) from 1 AM CDT Tue Aug 28 to 1 AM CDT Sun Sep 2



Probability of 1-minute average 50-knot (58 mph) or greater surface winds from all tropical cyclones

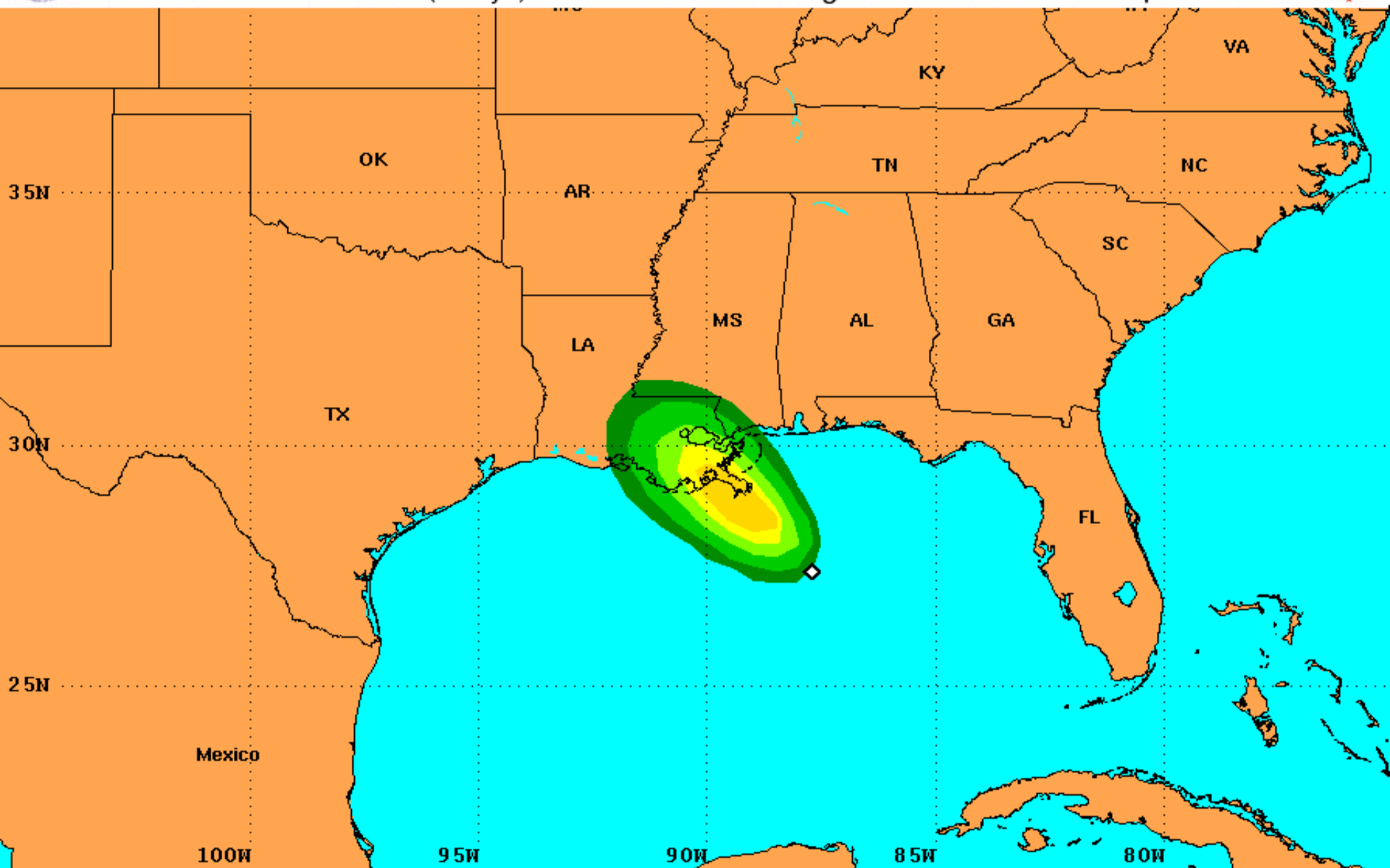
◇ indicates TROPICAL STORM ISAAC center location at 1 AM CDT Tue Aug 28 2012 (Forecast/Advisory #29)





Hurricane Force Wind Speed Probabilities

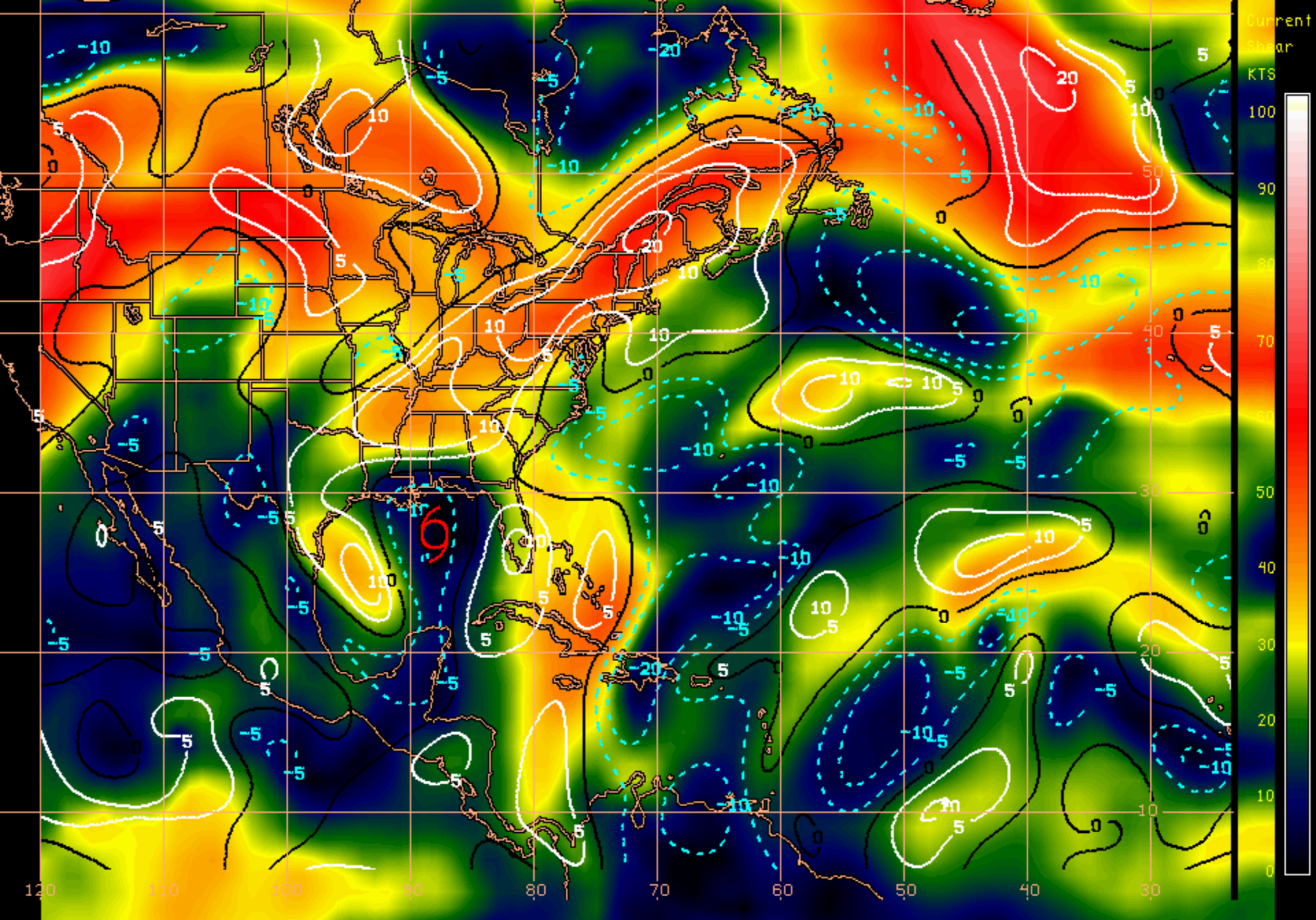
For the 120 hours (5 days) from 1 AM CDT Tue Aug 28 to 1 AM CDT Sun Sep 2



Probability of hurricane force surface winds (1-minute average ≥ 74 mph) from all tropical cyclones

◇ indicates TROPICAL STORM ISAAC center location at 1 AM CDT Tue Aug 28 2012 (Forecast/Advisory #29)



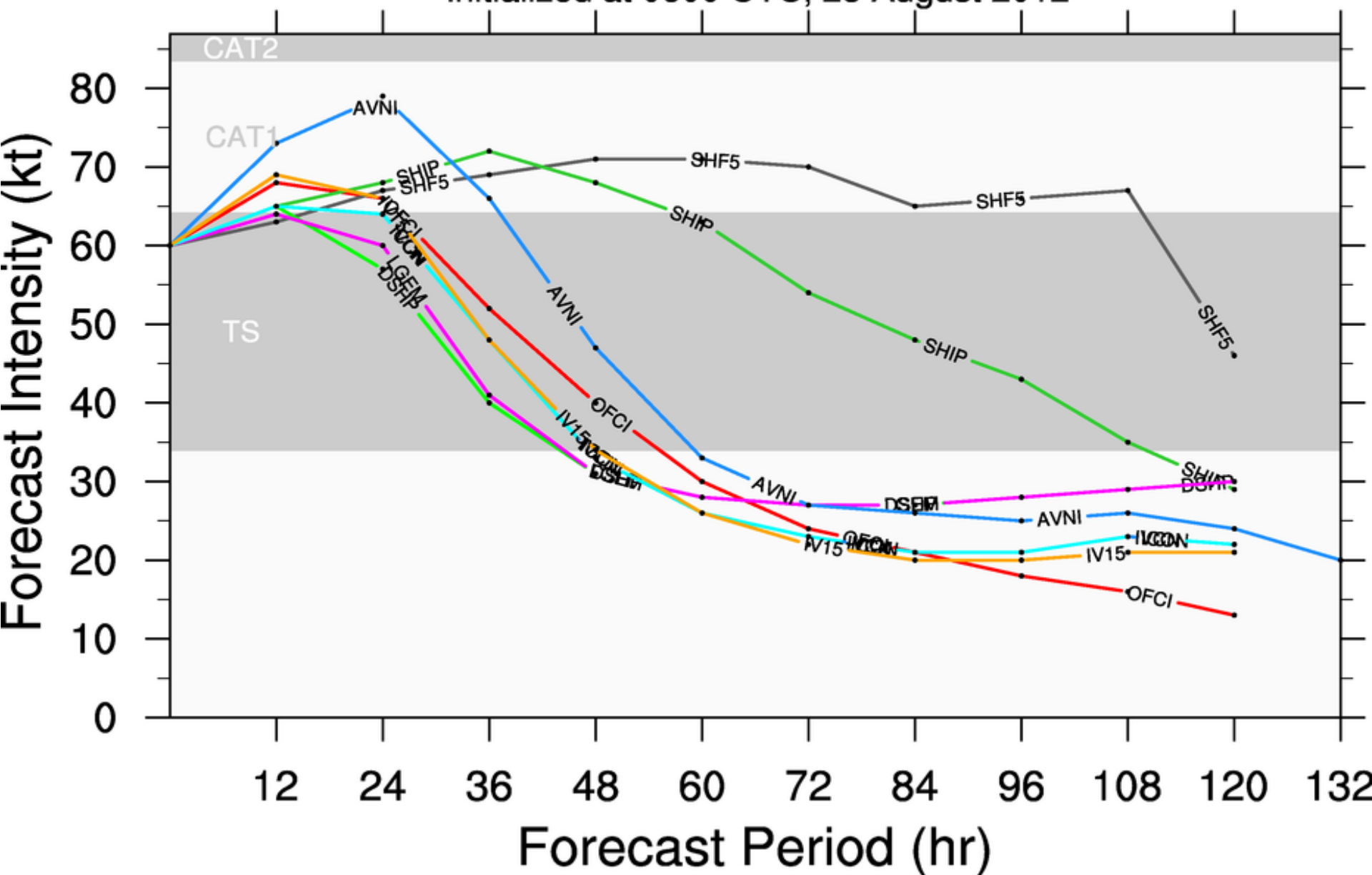


Shear Tendency (KTS) Over Past 24 Hours: Increasing — Decreasing ----

TROPICAL STORM ISAAC (AL09)

Early-cycle intensity guidance

initialized at 0600 UTC, 28 August 2012





Intensity (Maximum Wind Speed) Probability Table
Tropical Storm Isaac Advisory Number 29
4:00 AM CDT Aug 28 2012



Wind Range (mph)	Forecast Time						
	12 hour for 1 PM Tue	24 hour for 1 AM Wed	36 hour for 1 PM Wed	48 hour for 1 AM Thu	72 hour for 1 AM Fri	96 hour for 1 AM Sat	120 hour for 1 AM Sun
Dissipated	<1%	<1%	2%	10%	49%	71%	89%
Tropical Depression (<39)	<1%	1%	11%	31%	39%	28%	11%
Tropical Storm (39-73)	32%	34%	67%	52%	12%	1%	<1%
Hurricane (all categories)	68%	65%	20%	8%	<1%	<1%	<1%
-- Category 1 (74-95)	63%	53%	17%	7%	<1%	<1%	<1%
-- Category 2 (96-110)	4%	10%	3%	1%	<1%	<1%	<1%
-- Category 3 (111-130)	1%	3%	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	80 mph	85 mph	65 mph	50 mph	30 mph	25 mph	15 mph

Display: Last 2 Days

Map

Terrain

Satellite

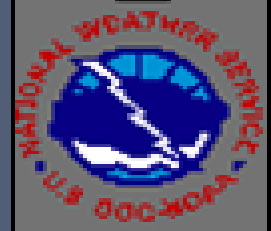
Hybrid

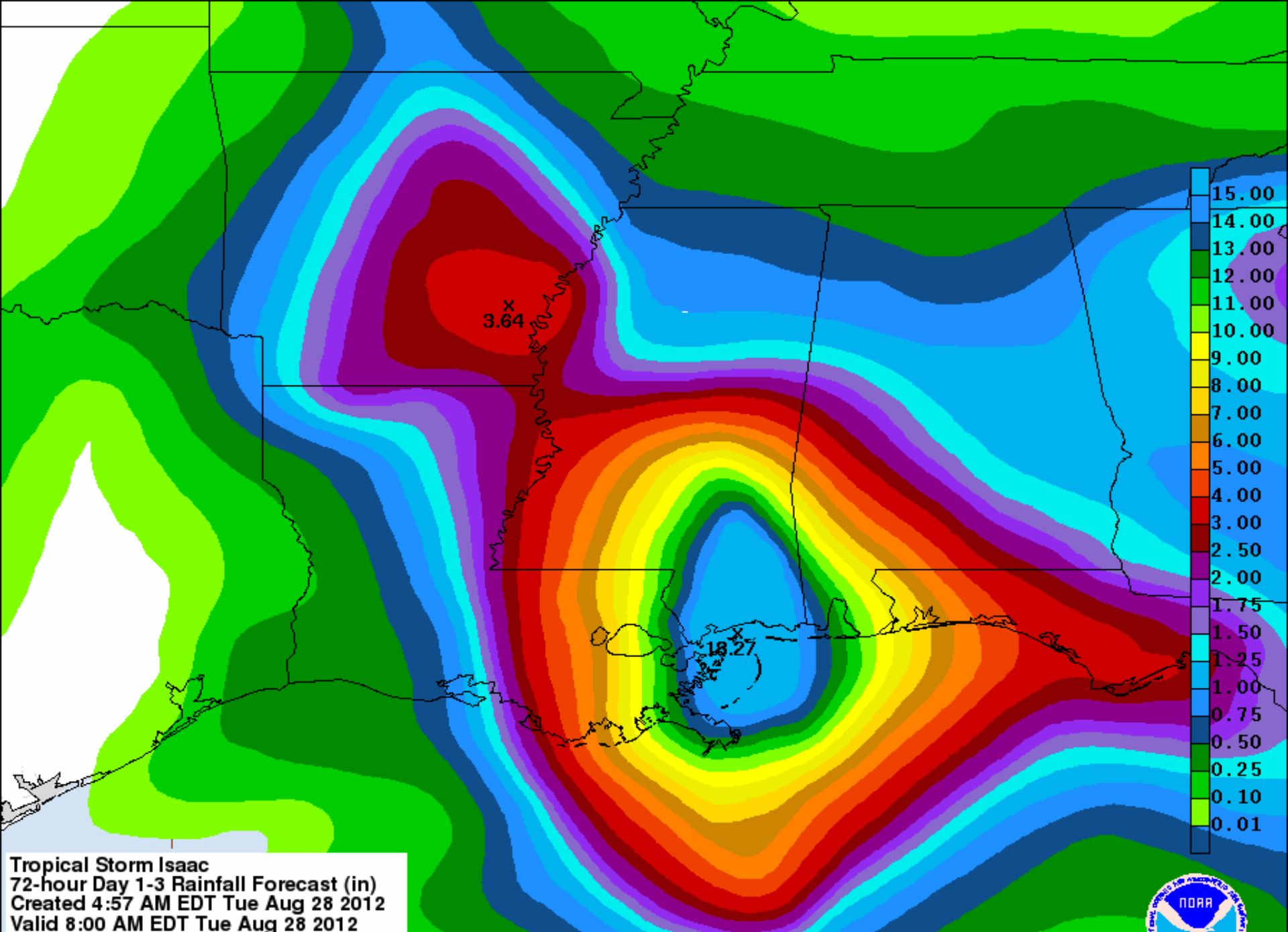
Inches

Rainfall Accumulations (past 48 hours)

Display: Last 2 Days

Map





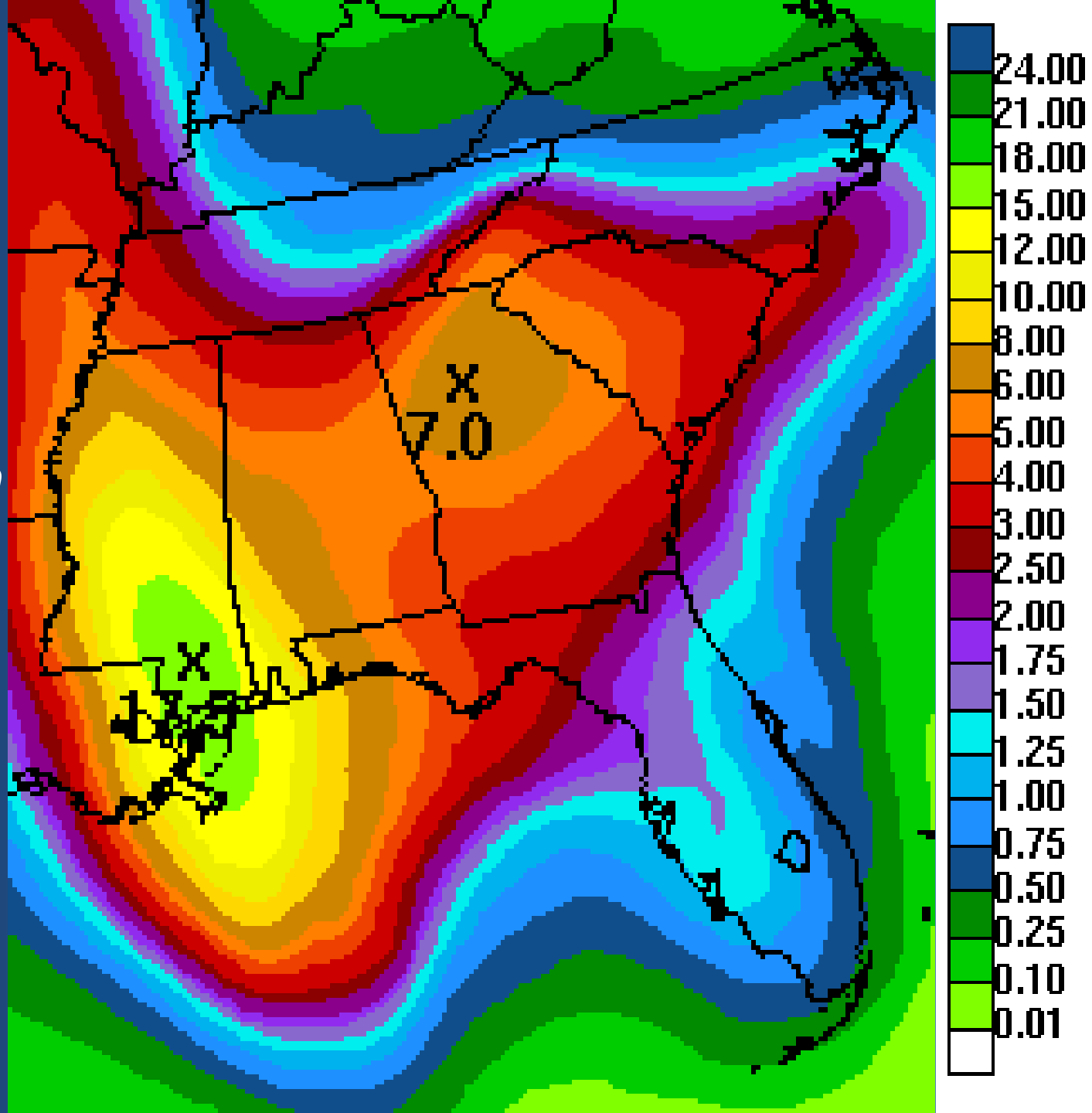
Tropical Storm Isaac
72-hour Day 1-3 Rainfall Forecast (in)
Created 4:57 AM EDT Tue Aug 28 2012
Valid 8:00 AM EDT Tue Aug 28 2012
through 8:00 AM EDT Fri Aug 31 2012
NOAA/NWS/NCER/HPC

Local point maximum rainfall may be higher than shown.
See the NHC public advisories for the latest tropical cyclone information.



*Forecast
Total Rainfall
Accumulation*

*(Tuesday
through
Saturday)*



NOAA H.P.C. Rainfall Forecast in inches issued 08/27/2012 20E
for 24 hour periods ending at times shown...

Rainfall Report (68 Items)

Location	Day 1 08/28/12 20E	Day 2 08/29/12 20E	Day 3 08/30/12 20E	Total Days 1-3
FL Dade	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Monroe	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Collier	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Broward	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Lee	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Hendry	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Palm Beach	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Charlotte	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Glades	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Martin	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL St Lucie	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Okeechobee	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Highlands	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Desoto	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Sarasota	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Manatee	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Hardee	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Pinellas	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.75 Inches or more
FL Hillsborough	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Polk	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Osceola	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Indian River	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Brevard	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.51 Inches or more
FL Orange	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Seminole	0.25 to 0.50 Inches	0.01 to 0.25 Inches	0.01 to 0.25 Inches	0.27 Inches or more
FL Lake	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Sumter	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Pasco	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Putnam	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Lafayette	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.25 Inches or more

Location	Day 1 08/28/12 20E	Day 2 08/29/12 20E	Day 3 08/30/12 20E	Total Days 1-3
FL Marion	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Volusia	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Clay	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.75 Inches or more
FL Jackson	0.25 to 0.50 Inches	1.00 to 1.50 Inches	0.50 to 1.00 Inches	1.75 Inches or more
FL Alachua	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.25 Inches or more
FL Hamilton	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.25 Inches or more
FL Union	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.25 Inches or more
FL Gilchrist	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.25 Inches or more
FL Suwannee	0.25 to 0.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.25 Inches or more
FL Bradford	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.25 to 0.50 Inches	0.75 Inches or more
FL Holmes	0.25 to 0.50 Inches	1.00 to 1.50 Inches	0.50 to 1.00 Inches	1.75 Inches or more
FL Dixie	0.50 to 1.00 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.50 Inches or more
FL Levy	0.50 to 1.00 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.50 Inches or more
FL Nassau	0.50 to 1.00 Inches	0.25 to 0.50 Inches	0.50 to 1.00 Inches	1.25 Inches or more
FL Baker	0.50 to 1.00 Inches	0.25 to 0.50 Inches	0.50 to 1.00 Inches	1.25 Inches or more
FL Columbia	0.50 to 1.00 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.50 Inches or more
FL St Johns	0.50 to 1.00 Inches	0.25 to 0.50 Inches	0.25 to 0.50 Inches	1.00 Inches or more
FL Flagler	0.50 to 1.00 Inches	0.01 to 0.25 Inches	0.25 to 0.50 Inches	0.76 Inches or more
FL Duval	0.50 to 1.00 Inches	0.25 to 0.50 Inches	0.50 to 1.00 Inches	1.25 Inches or more
FL Taylor	0.50 to 1.00 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.50 Inches or more
FL Madison	0.50 to 1.00 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.50 Inches or more
FL Jefferson	0.50 to 1.00 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.50 Inches or more
FL Hernando	0.50 to 1.00 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.50 Inches or more
FL Citrus	0.50 to 1.00 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	1.50 Inches or more
FL Franklin	1.00 to 1.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	2.00 Inches or more
FL Liberty	1.00 to 1.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	2.00 Inches or more
FL Gadsden	1.00 to 1.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	2.00 Inches or more
FL Gulf	1.00 to 1.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	2.00 Inches or more
FL Calhoun	1.00 to 1.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	2.00 Inches or more
FL Leon	1.00 to 1.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	2.00 Inches or more
FL Wakulla	1.00 to 1.50 Inches	0.50 to 1.00 Inches	0.50 to 1.00 Inches	2.00 Inches or more
FL Washington	1.50 to 2.00 Inches	1.00 to 1.50 Inches	0.50 to 1.00 Inches	3.00 Inches or more
FL Bay	1.50 to 2.00 Inches	1.00 to 1.50 Inches	0.50 to 1.00 Inches	3.00 Inches or more
FL Walton	1.50 to 2.00 Inches	1.00 to 1.50 Inches	0.50 to 1.00 Inches	3.00 Inches or more
FL Okaloosa	2.00 to 3.00 Inches	2.00 to 3.00 Inches	1.50 to 2.00 Inches	5.50 Inches or more
FL Santa Rosa	2.00 to 3.00 Inches	2.00 to 3.00 Inches	1.50 to 2.00 Inches	5.50 Inches or more
FL Escambia	2.00 to 3.00 Inches	4.00 to 5.00 Inches	3.00 to 4.00 Inches	9.00 Inches or more

Flash Flood Guidance estimates the average number of inches of rainfall for given durations required to produce flash flooding in the indicated county. These estimates are based on current soil moisture conditions. Note, in urban areas, less rainfall is required to produce flash flooding.

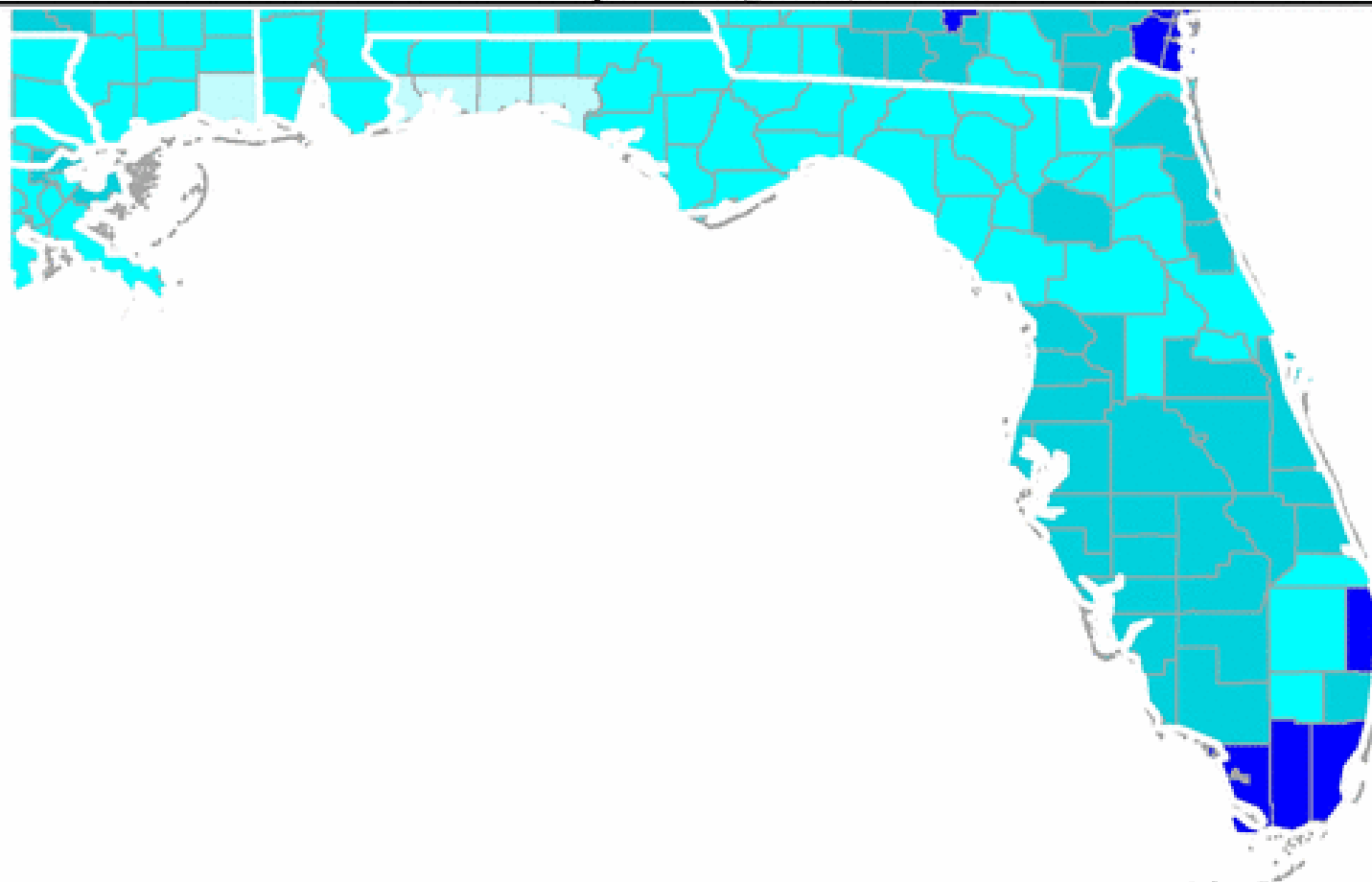
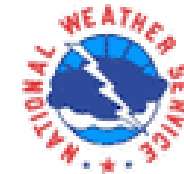


National Weather Service

Florida

3 Hour Flash Flood Guidance

Updated August 28, 2012 2:51 AM CDT

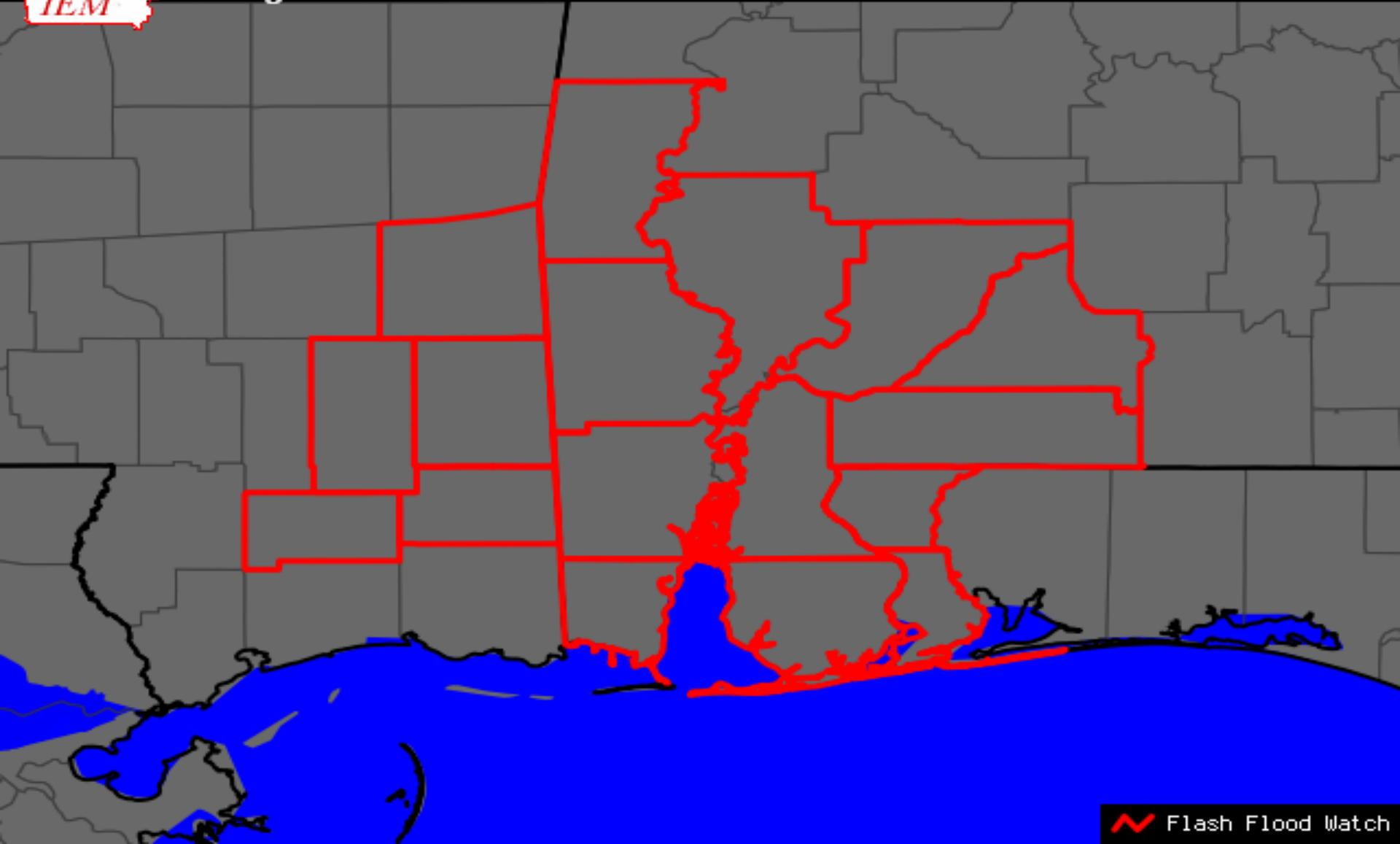


Flash Flood Watch until 2am Wednesday



VTEC ID: 2012.O.NEW.KMOB.FF.A.0005

28 August 2012 1:01 AM CDT



Flash Flood Watch

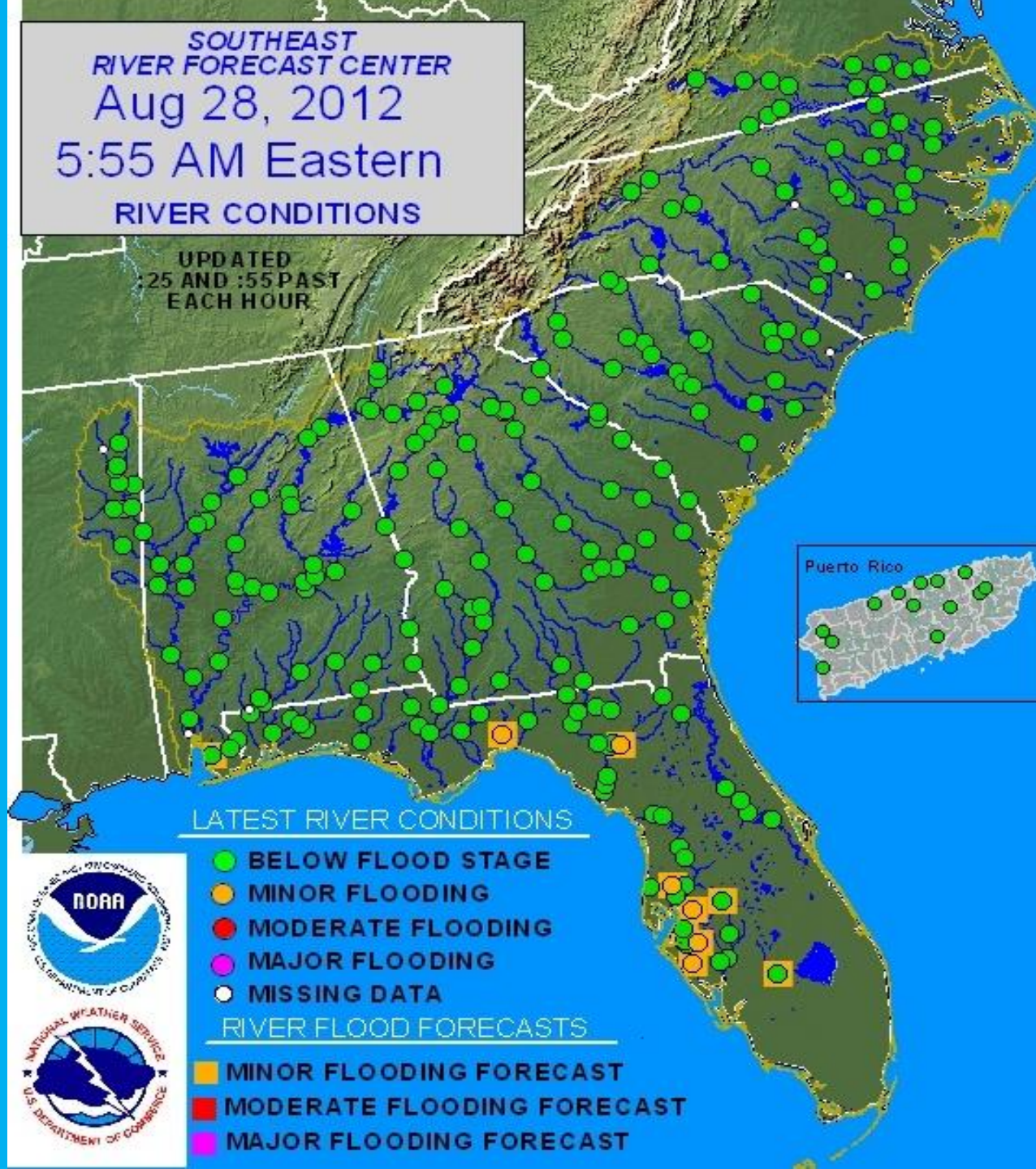
**SOUTHEAST
RIVER FORECAST CENTER**

Aug 28, 2012

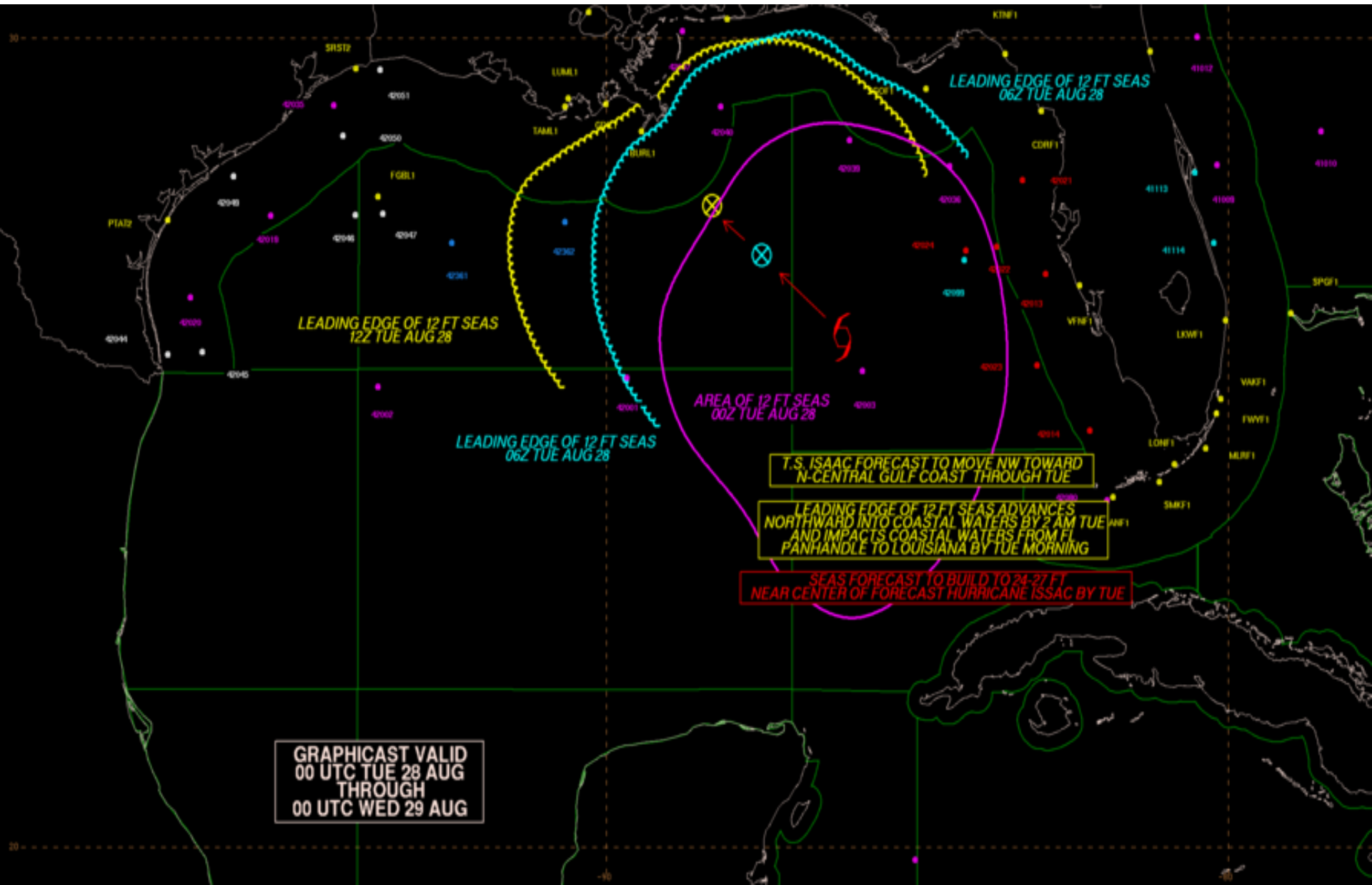
5:55 AM Eastern

RIVER CONDITIONS

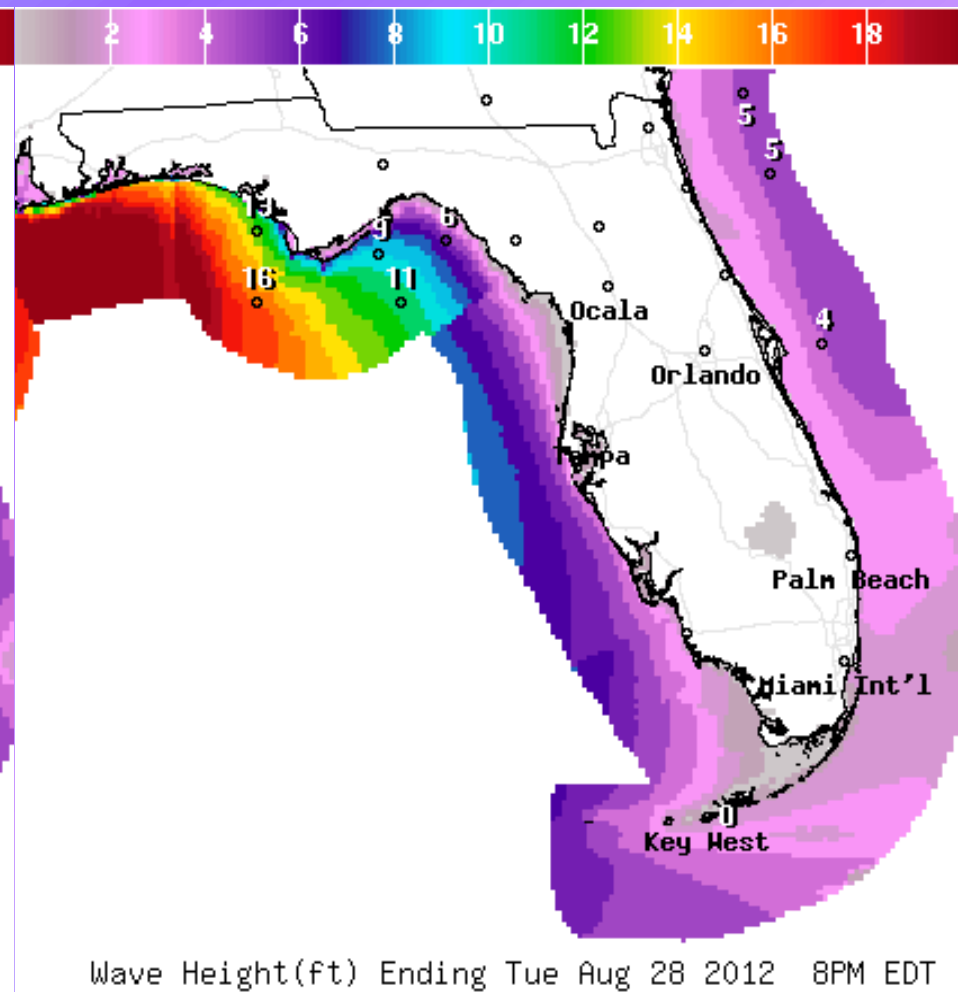
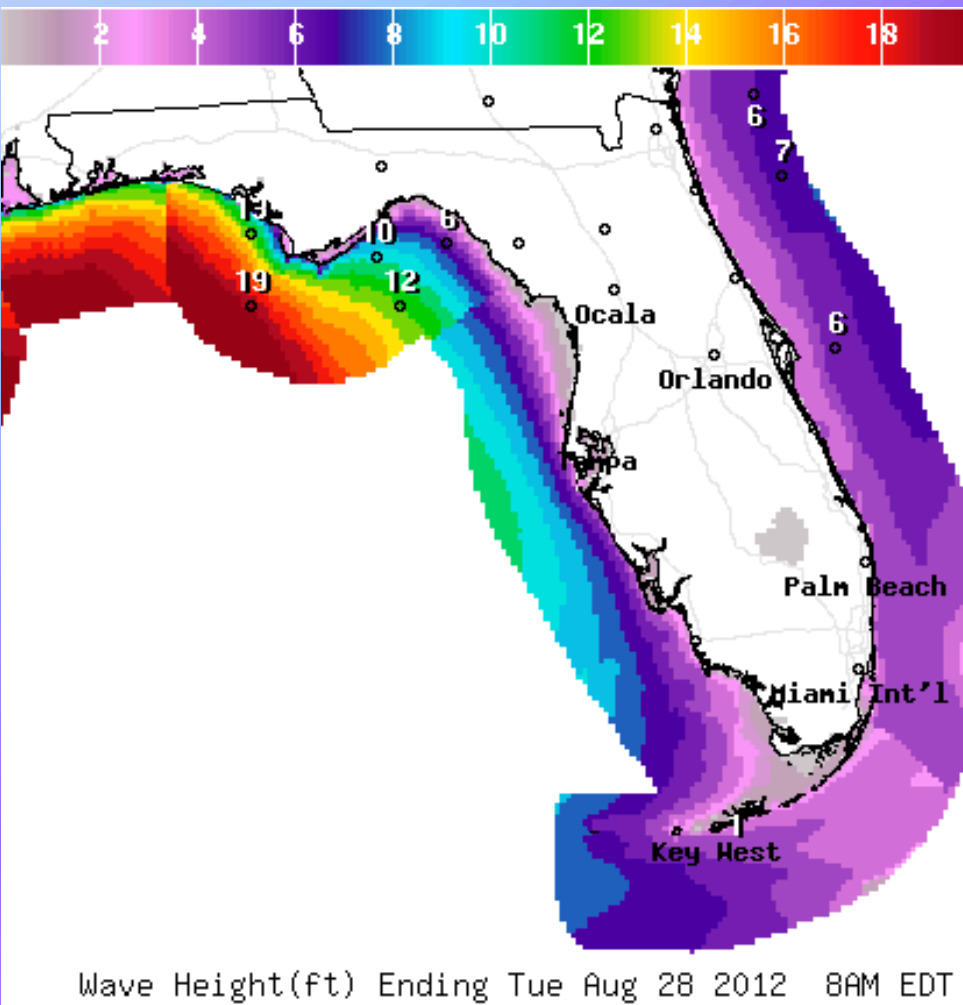
**UPDATED
:25 AND :55 PAST
EACH HOUR**



NHC short term graphical forecast



Forecast Wave Height (ft)



Tropical Storm Isaac

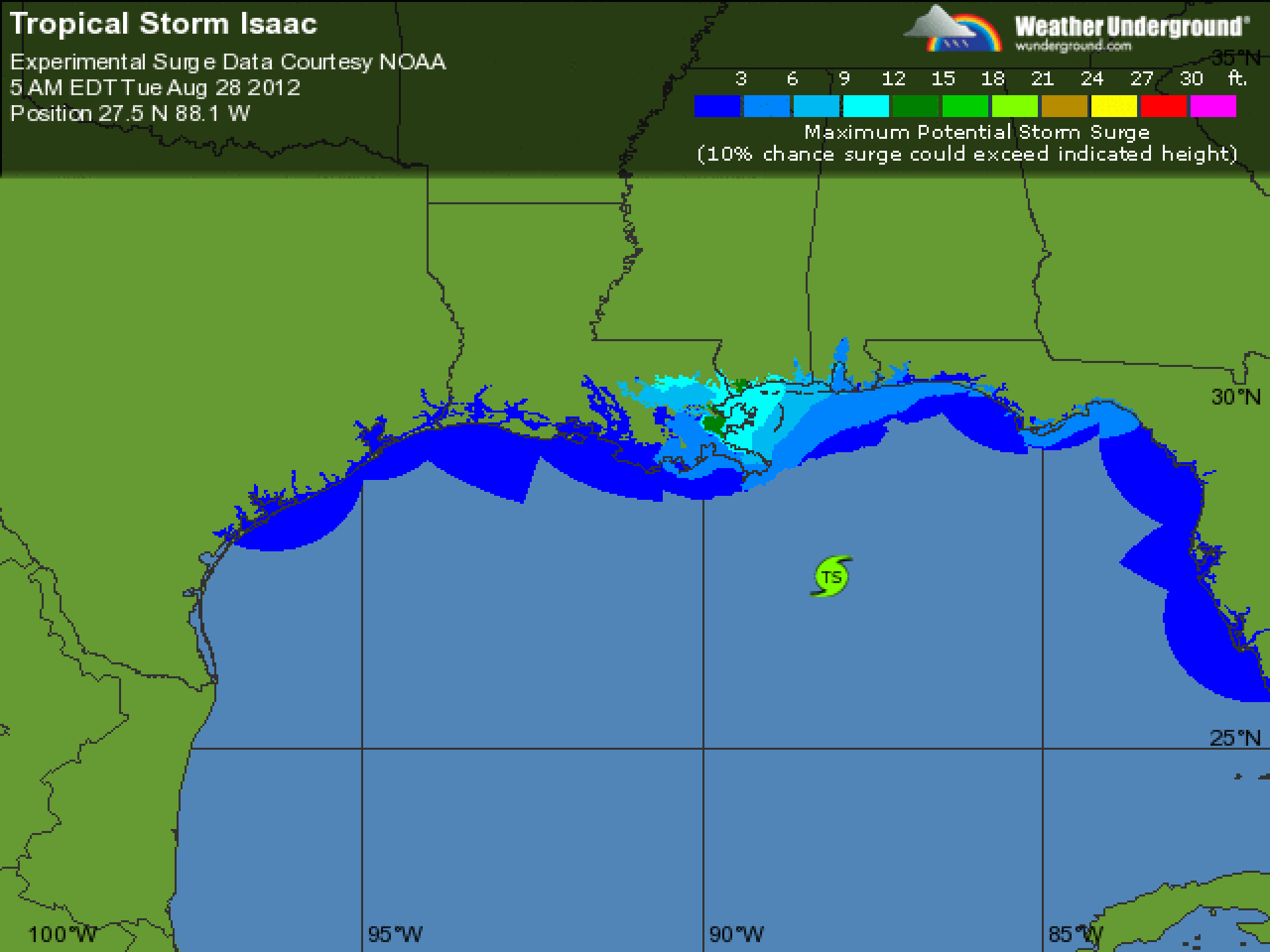
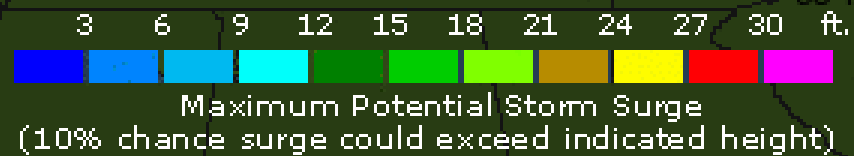
Experimental Surge Data Courtesy NOAA

5 AM EDT Tue Aug 28 2012

Position 27.5 N 88.1 W



Weather Underground®
wunderground.com

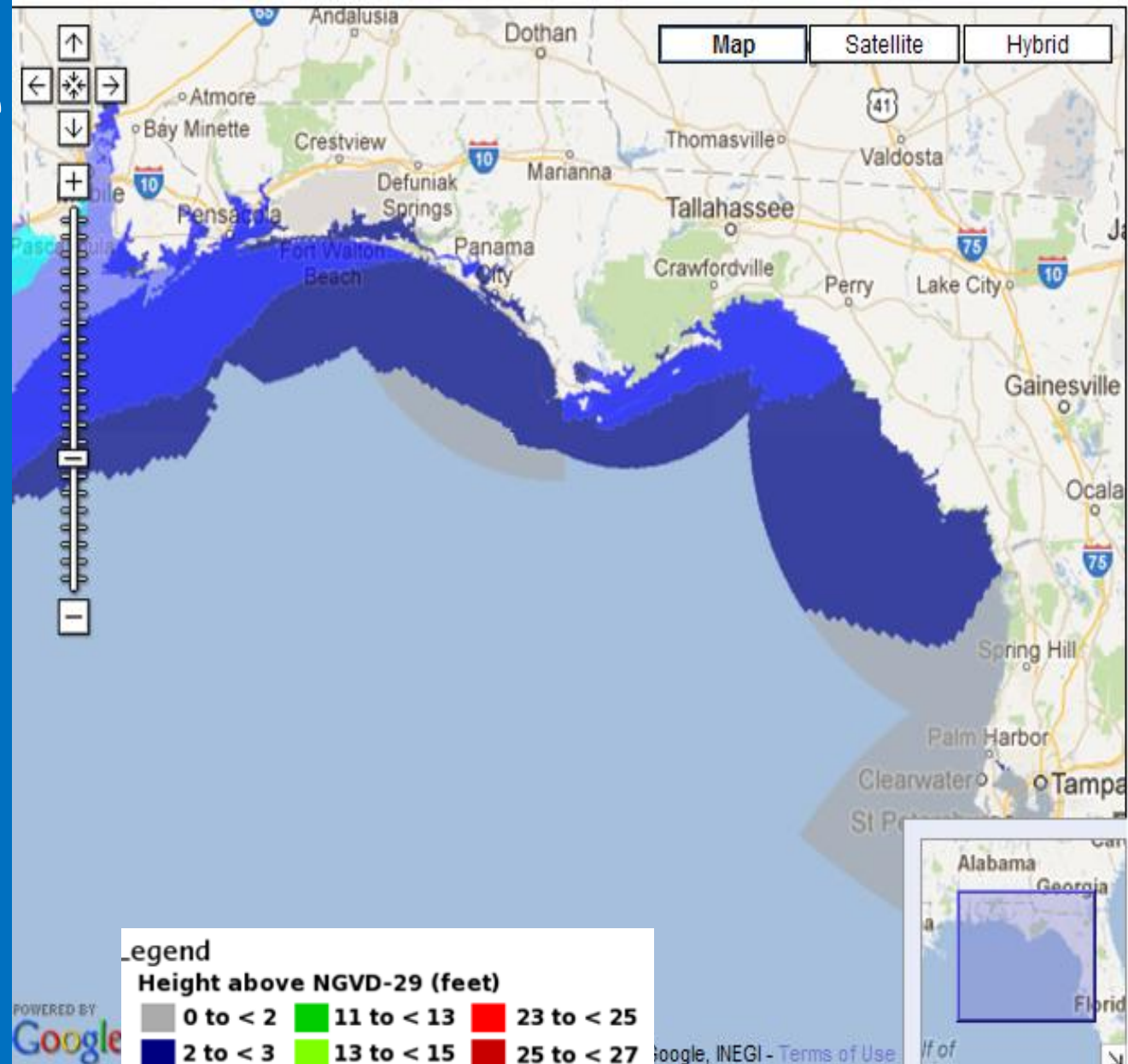


Storm Surge

**Tropical Cyclone Storm
Surge Heights
That Have a 1 in 10
Chance of Being
Exceeded**

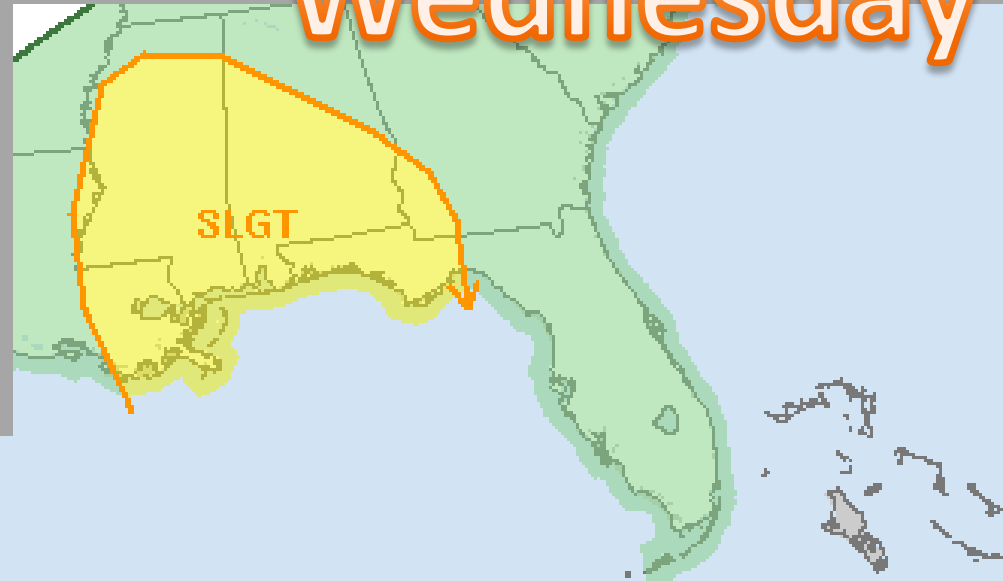
**Tropical Storm Isaac
(2012) Advisory 29**

**For the 77 hours from
05 AM EDT Tue Aug
28 to 10 AM EDT Fri
Aug 31**

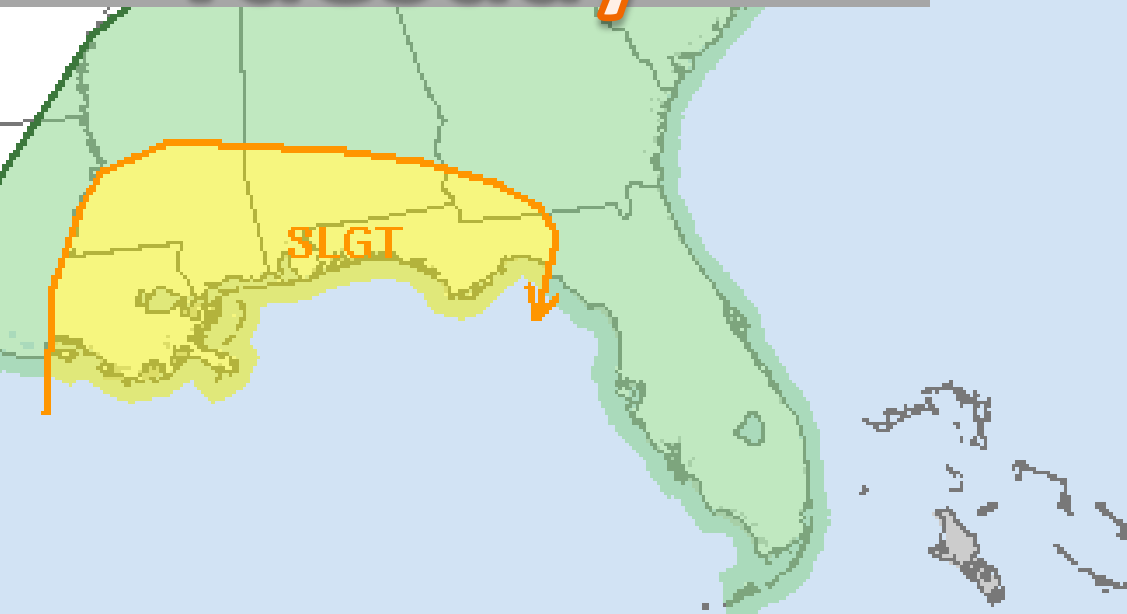


Risk of Severe Weather - Tornadoes

Wednesday



Tuesday



Categorical Outlook Legend:

TSTM  SLGT  MDT  HIGH 

Categorical Outlook Legend:

TSTM  SLGT  MDT  HIGH 

Wind Threat



Storm Surge + Tide Forecast



Flooding Potential



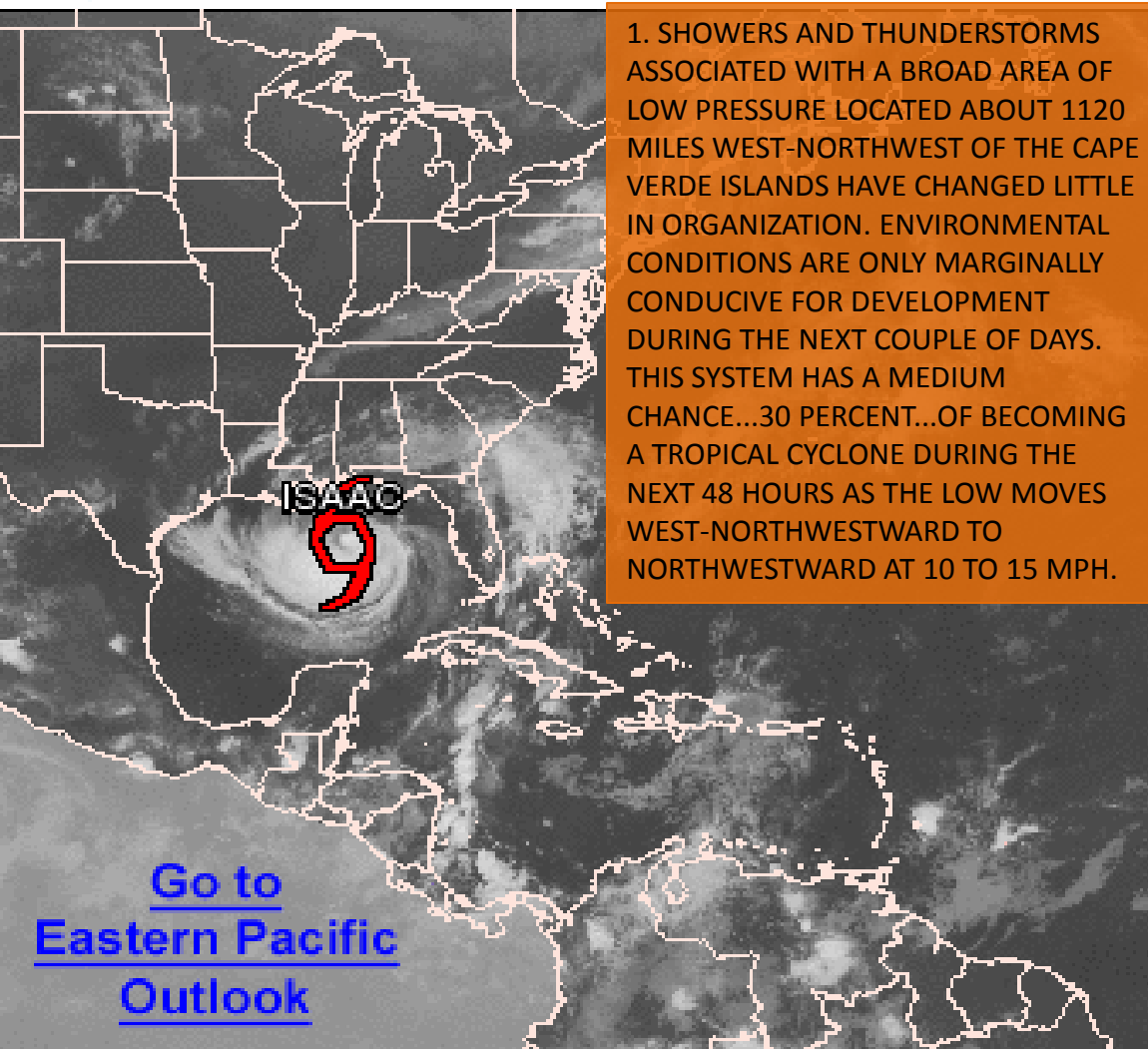
Tornado/Waterspout Threat





Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



2. A TROPICAL WAVE LOCATED NEAR THE CAPE VERDE ISLANDS IS PRODUCING DISORGANIZED SHOWERS AND THUNDERSTORMS. ENVIRONMENTAL CONDITIONS APPEAR CONDUCIVE FOR SOME GRADUAL DEVELOPMENT OF THIS WAVE DURING THE NEXT FEW DAYS. THIS SYSTEM HAS A LOW CHANCE...10 PERCENT... OF BECOMING A TROPICAL CYCLONE DURING THE NEXT 48 HOURS AS IT MOVES WESTWARD ABOUT 15 MPH.

1
(30%)

2
(10%)

200 AM EDT TUE AUG 28 2012

Satellite Image: 0122 AM EDT

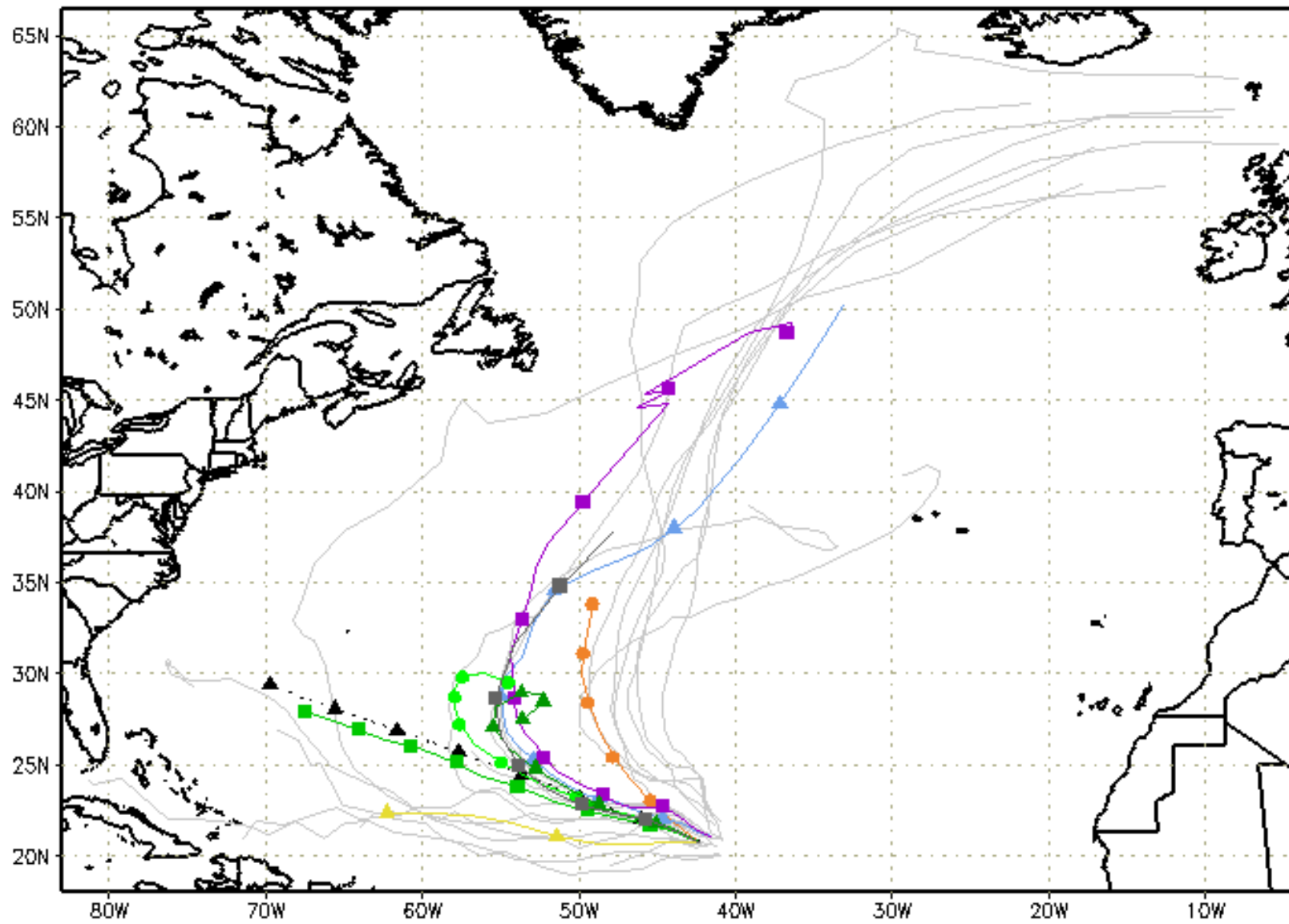
Outlined areas denote current position of systems discussed in the Tropical Weather Outlook. Color indicates probability of tropical cyclone formation within 48 hours.

Low <30%

Medium 30-50%

High >50%

XTRP 28/0000Z BAMD 28/0000Z GFDL Not Avail AVNO 27/1800Z CMC 28/0000Z
 TVCN 28/0000Z BAMM 28/0000Z UKM 28/0000Z AEMN 27/1800Z APxx 27/1800Z
 NHC Not Avail BAMS 28/0000Z NGPS Not Avail HWRF Not Avail GLP5 28/0000Z



storm_97
 sfwmd.gov
 weather@sfwmd.gov
 28-Aug 05:51 EDT

NHC Advisories and County Emergency Management Statements supersede this product.
 This graphic should complement, not replace, NHC discussions.
 If anything on this graphic causes confusion, ignore the entire product.
 For full info, see <http://my.sfwmd.gov/sfwmd/common/images/weather/plots.html>



DISTURBANCE INVEST (AL97)

Early-cycle intensity guidance

initialized at 1800 UTC, 27 August 2012

