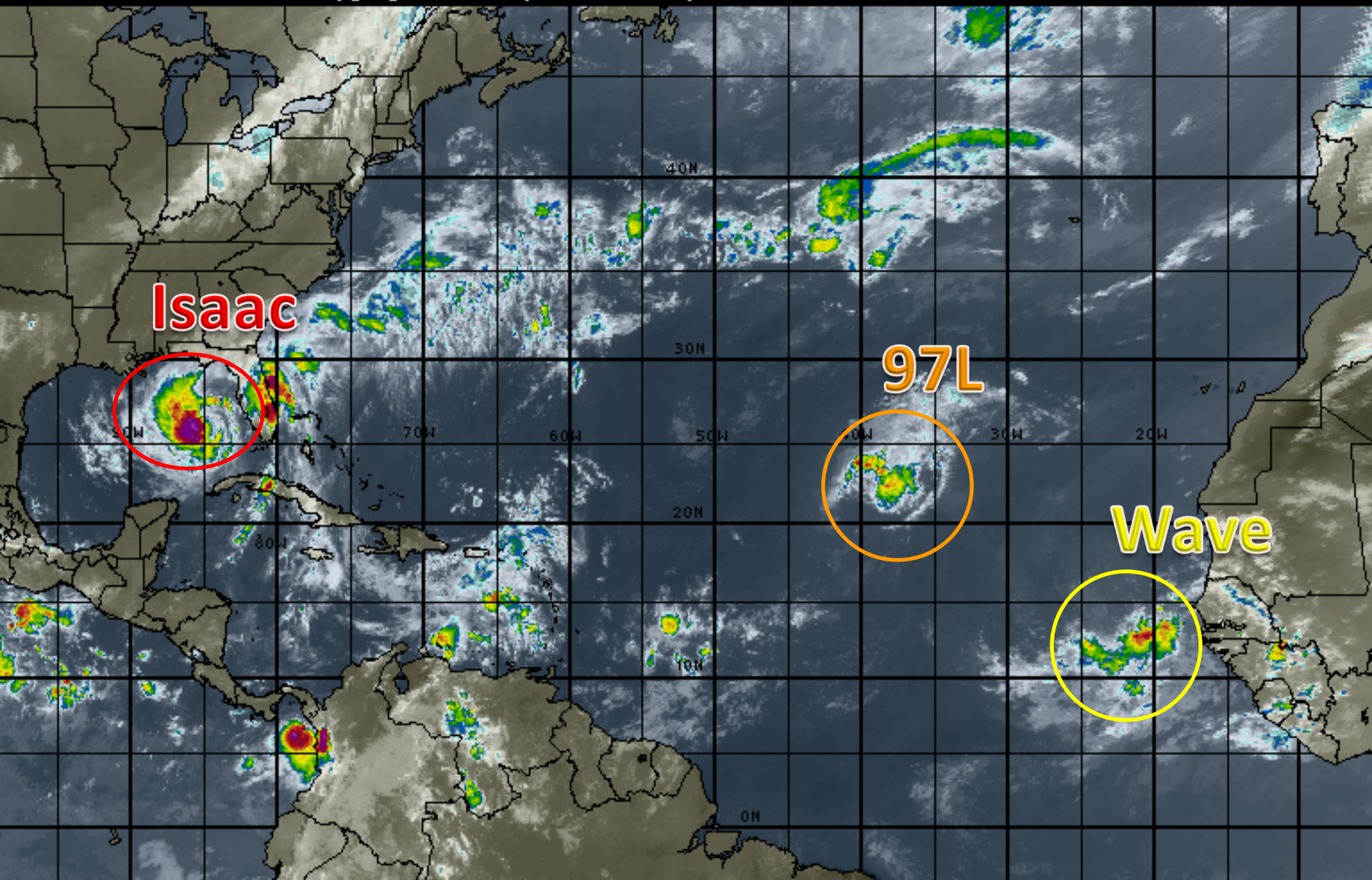


Atlantic Basin Satellite Image

15:00 27-AUG-2012 GMT ©Copyright WSI Corporation <http://www.wsi.com>



Tropical Storm Isaac

1 PM CDT Mon Aug 27, 2012

Position 26.1°N 85.9°W

Maximum Winds 65 mph

Gusts 75 mph

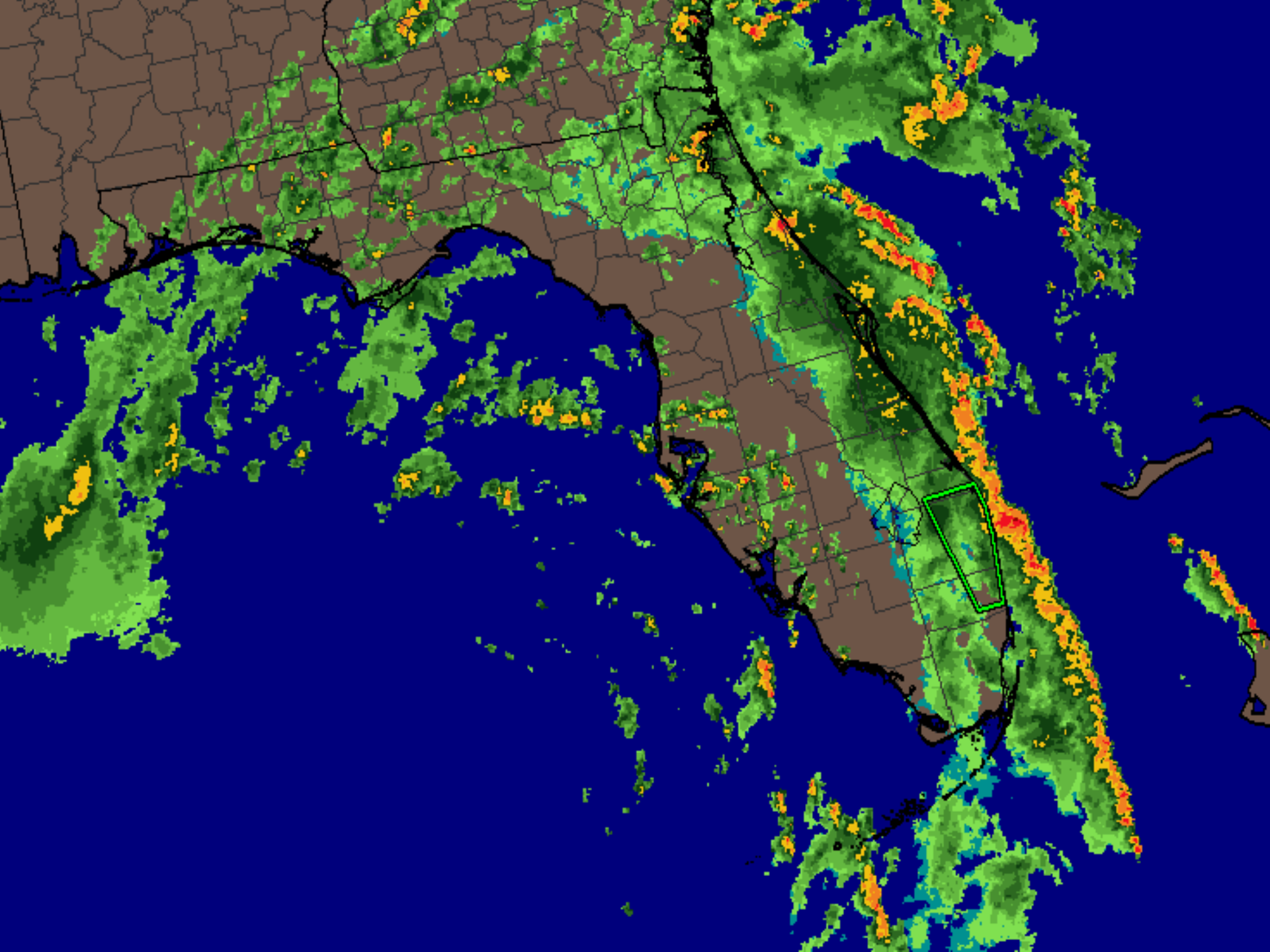
Movement NW at 13 mph

Minimum Pressure 984 mb (29.05 inches)

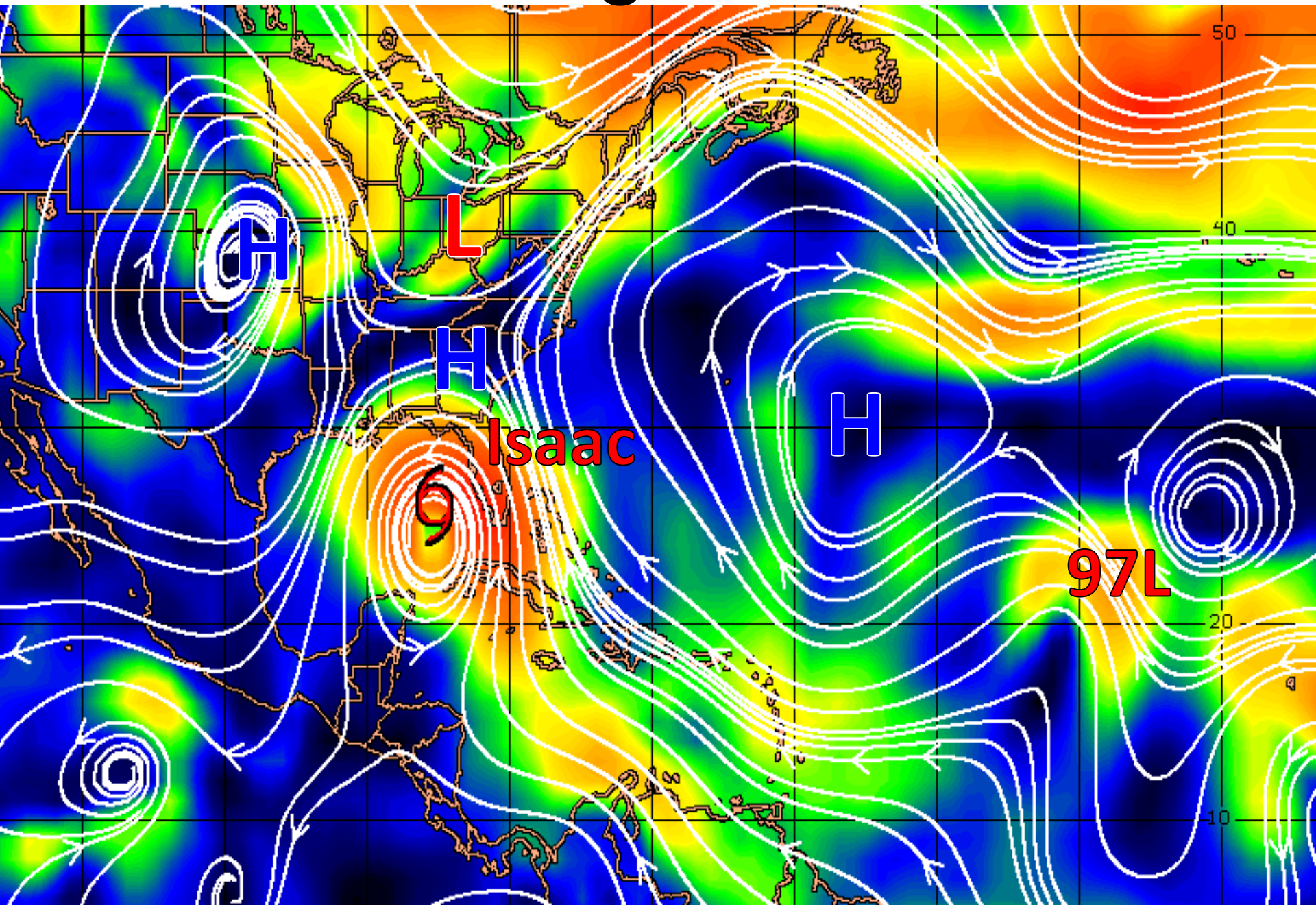
Blue Marble basemap imagery courtesy NASA

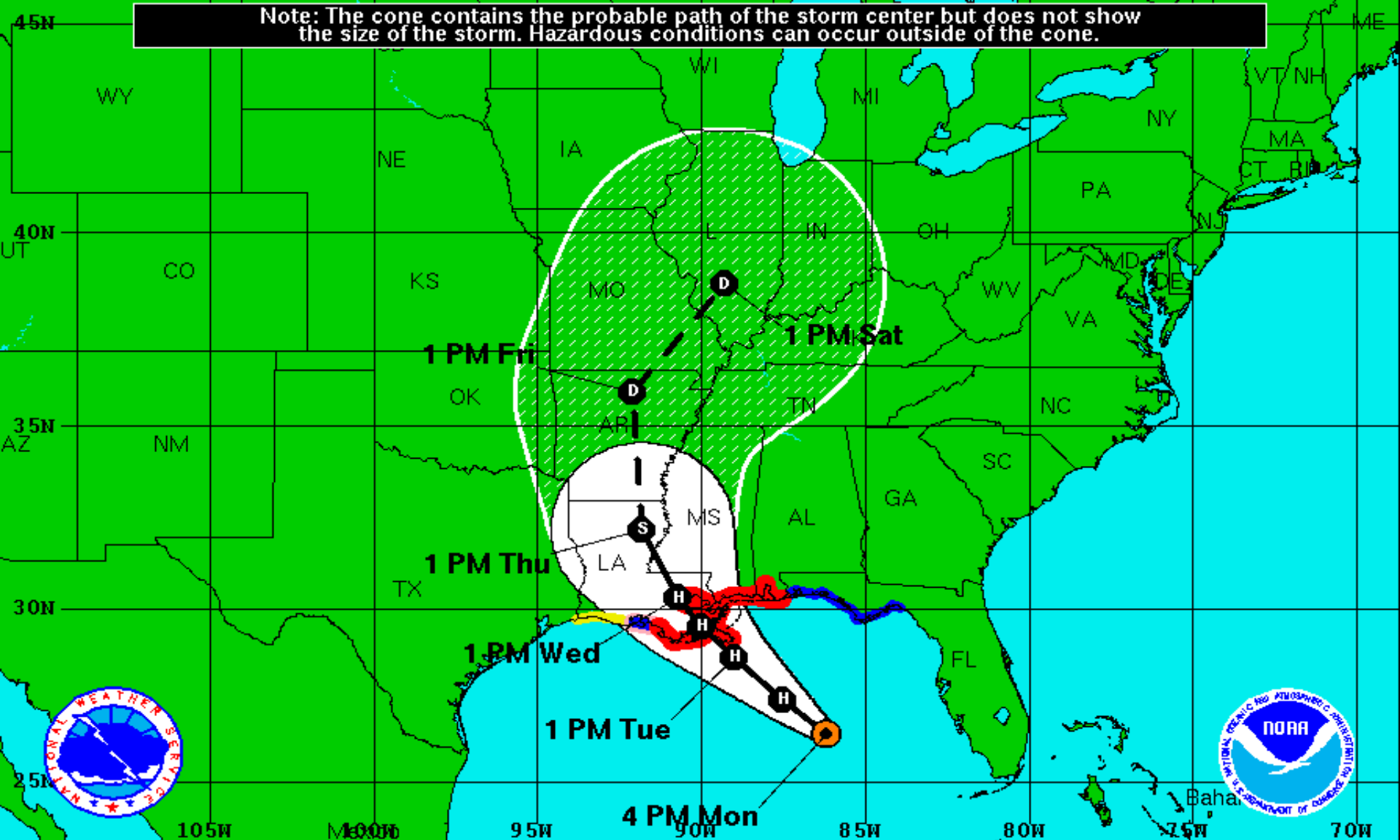
Satellite 6:44 PM UTC
1:44 PM CDT








Steering Currents





Tropical Storm Isaac
 Monday August 27, 2012
 4 PM CDT Advisory 27
 NWS National Hurricane Center

Current Information: 
 Center Location 26.4 N 86.2 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

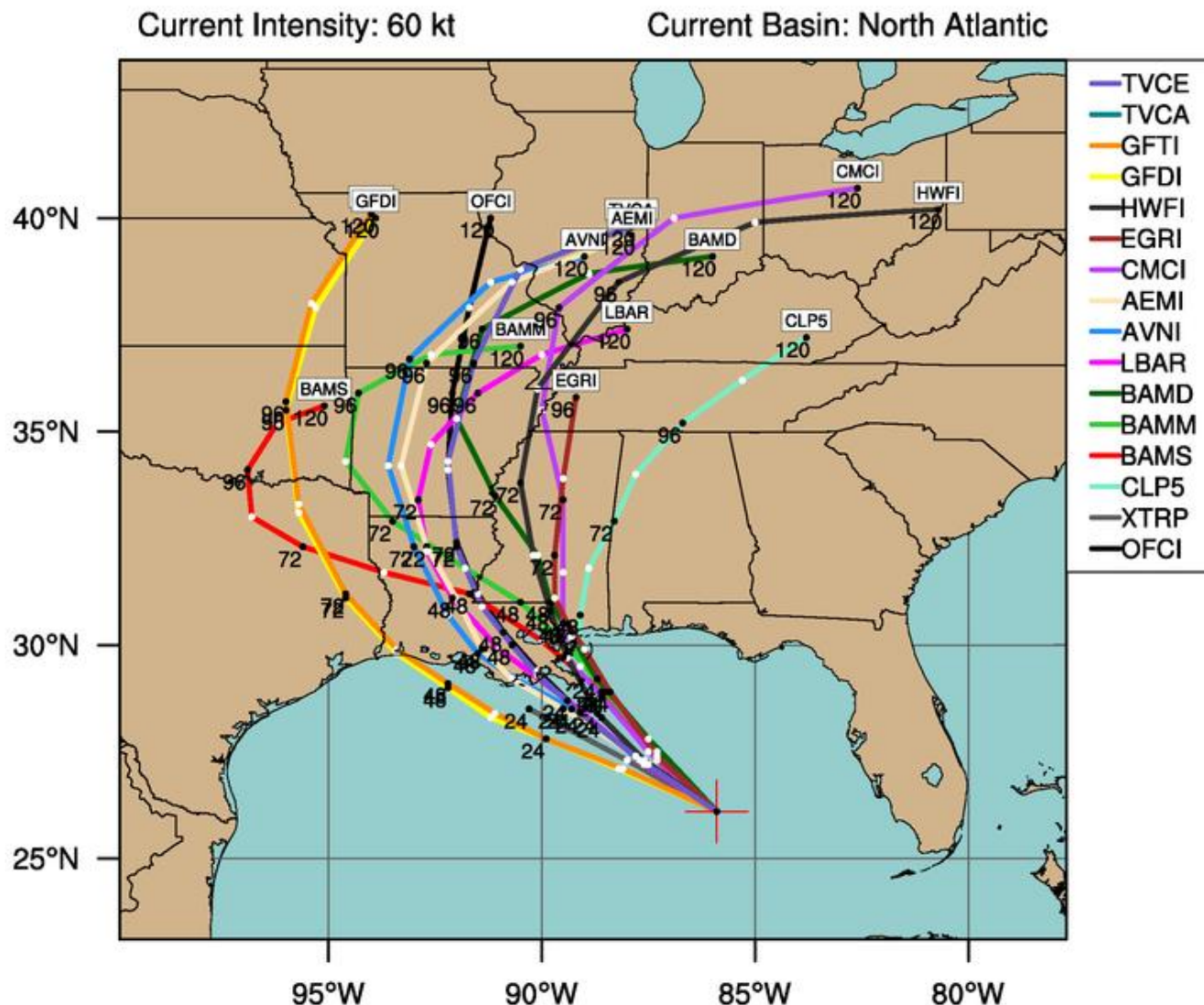
Potential Track Area:
 Day 1-3  Day 4-5

Watches:
 Hurricane  Trop.Storm

Warnings:
 Hurricane  Trop.Storm

TROPICAL STORM ISAAC (AL09)

Early-cycle track guidance initialized at 1800 UTC, 27 August 2012



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which can be accessed at: <http://www2.ucar.edu/terms-of-use>

Plot generated at 1852 UTC 27 August 2012

Tropical Storm Isaac

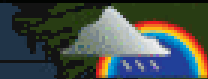
1 PM CDT Mon Aug 27 2012

Models: Points 12 hours apart

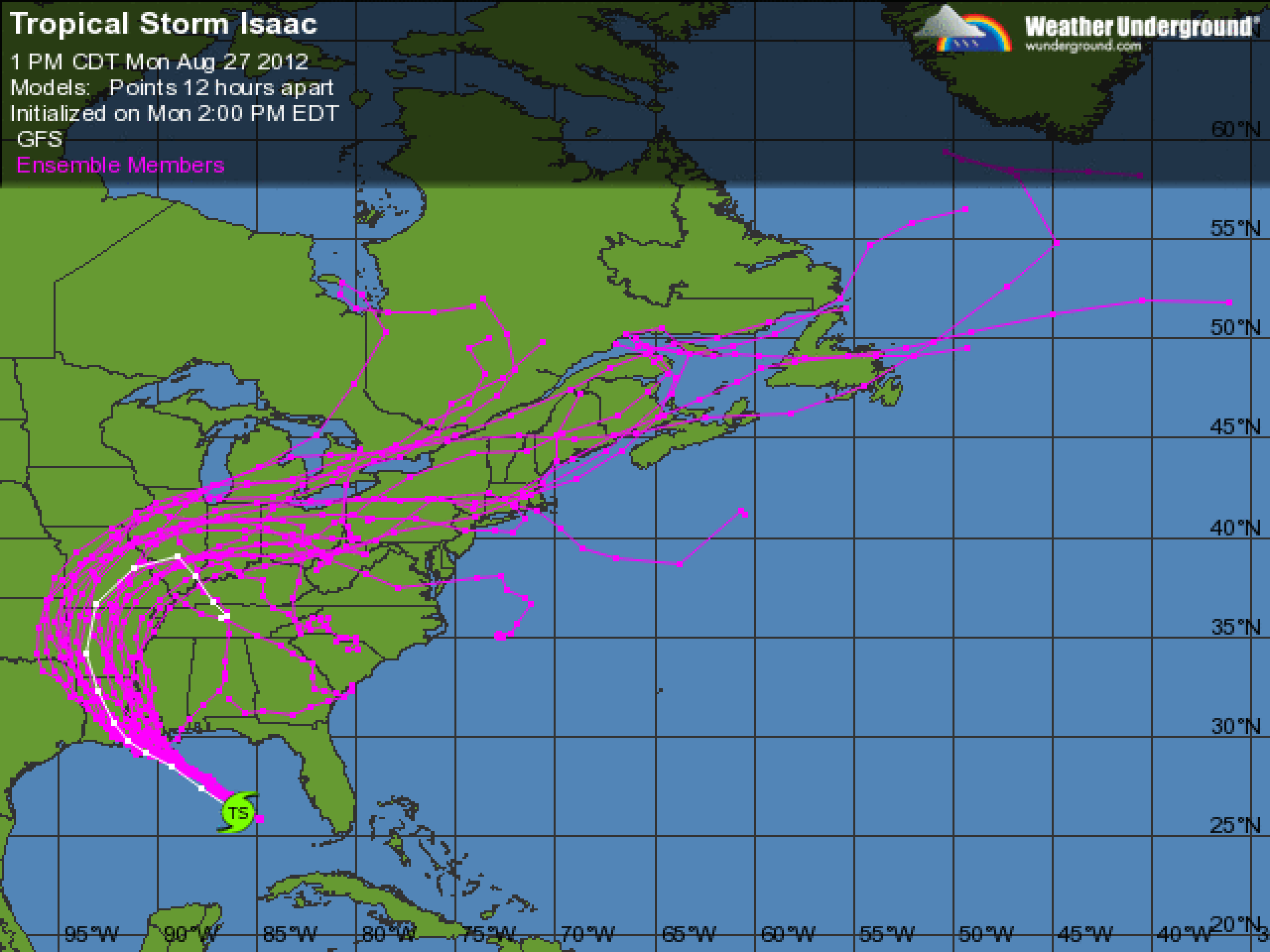
Initialized on Mon 2:00 PM EDT

GFS

Ensemble Members



Weather Underground
wunderground.com



Tropical Storm Isaac # 27

August 27, 2012

5 PM EDT Monday

Current Location 26.4 N 86.2 W

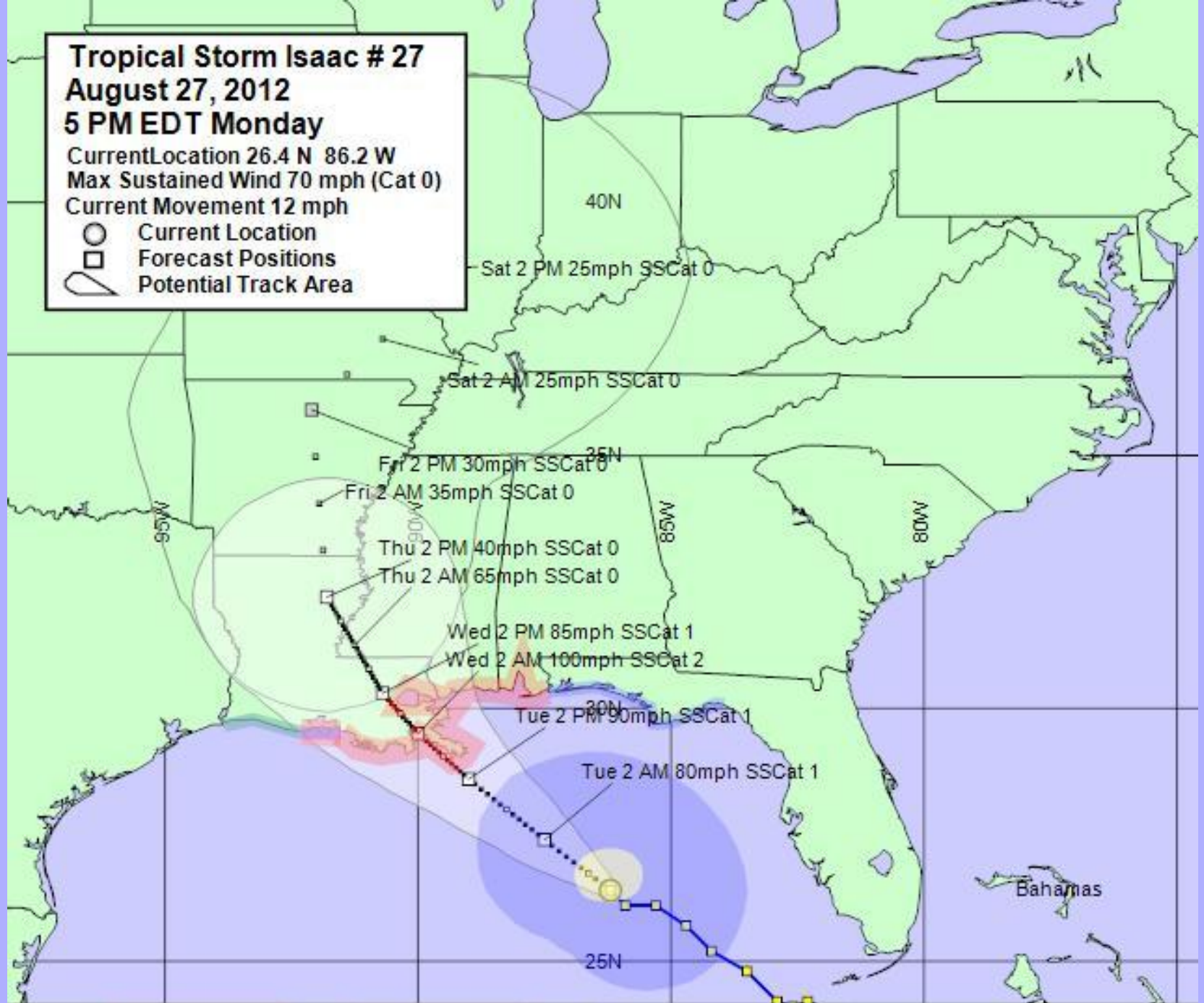
Max Sustained Wind 70 mph (Cat 0)

Current Movement 12 mph

○ Current Location

□ Forecast Positions

Potential Track Area



Hurricane Warning

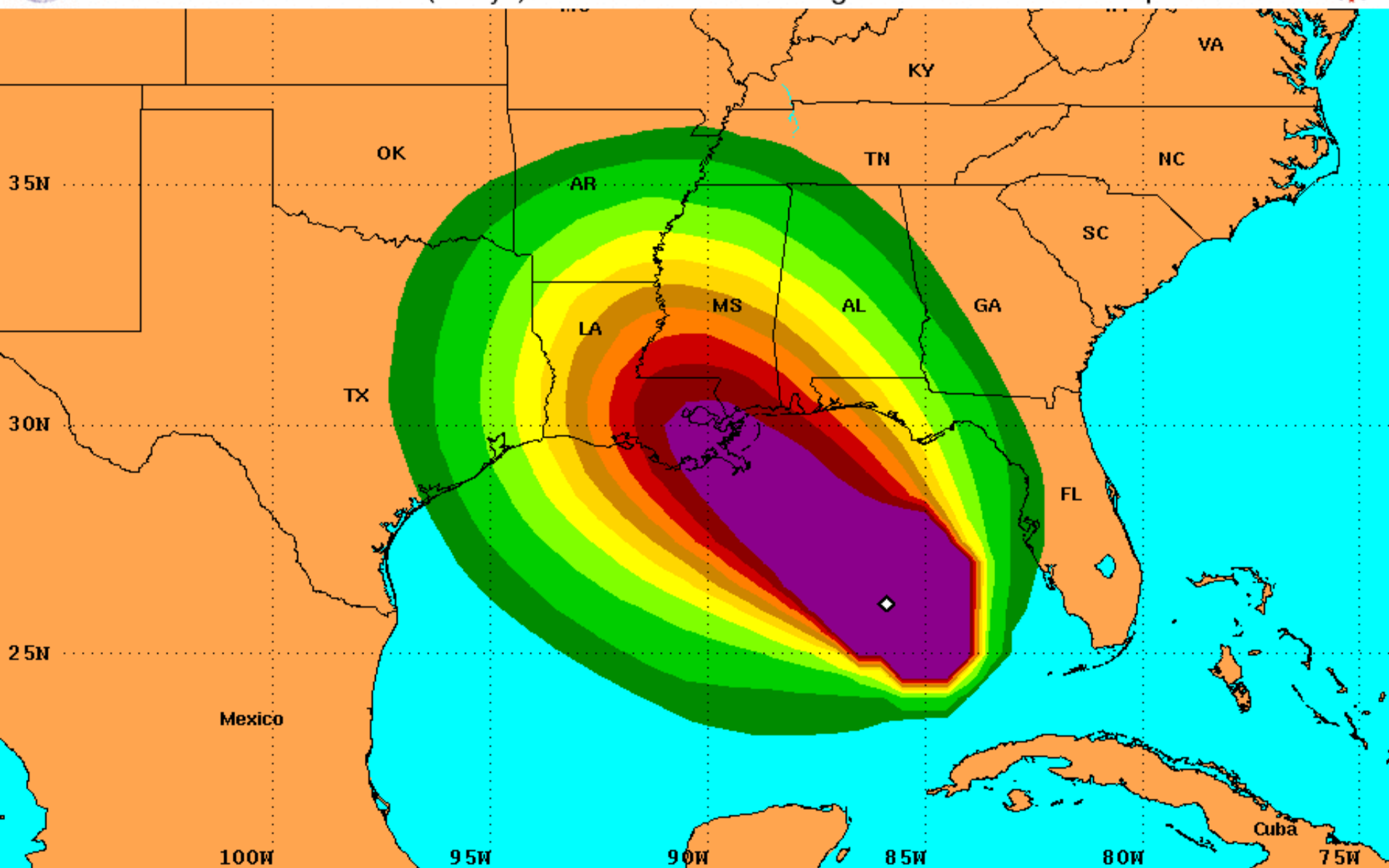
Hurricane Watch

Trop. Storm Warning

Trop. Storm Watch

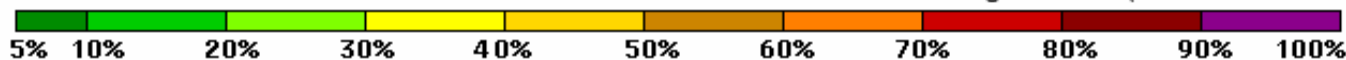


PRELIMINARY (SINGLE STORM) Tropical Storm Force Wind Speed Probabilities
For the 120 hours (5 days) from 1 PM CDT Mon Aug 27 to 1 PM CDT Sat Sep 1



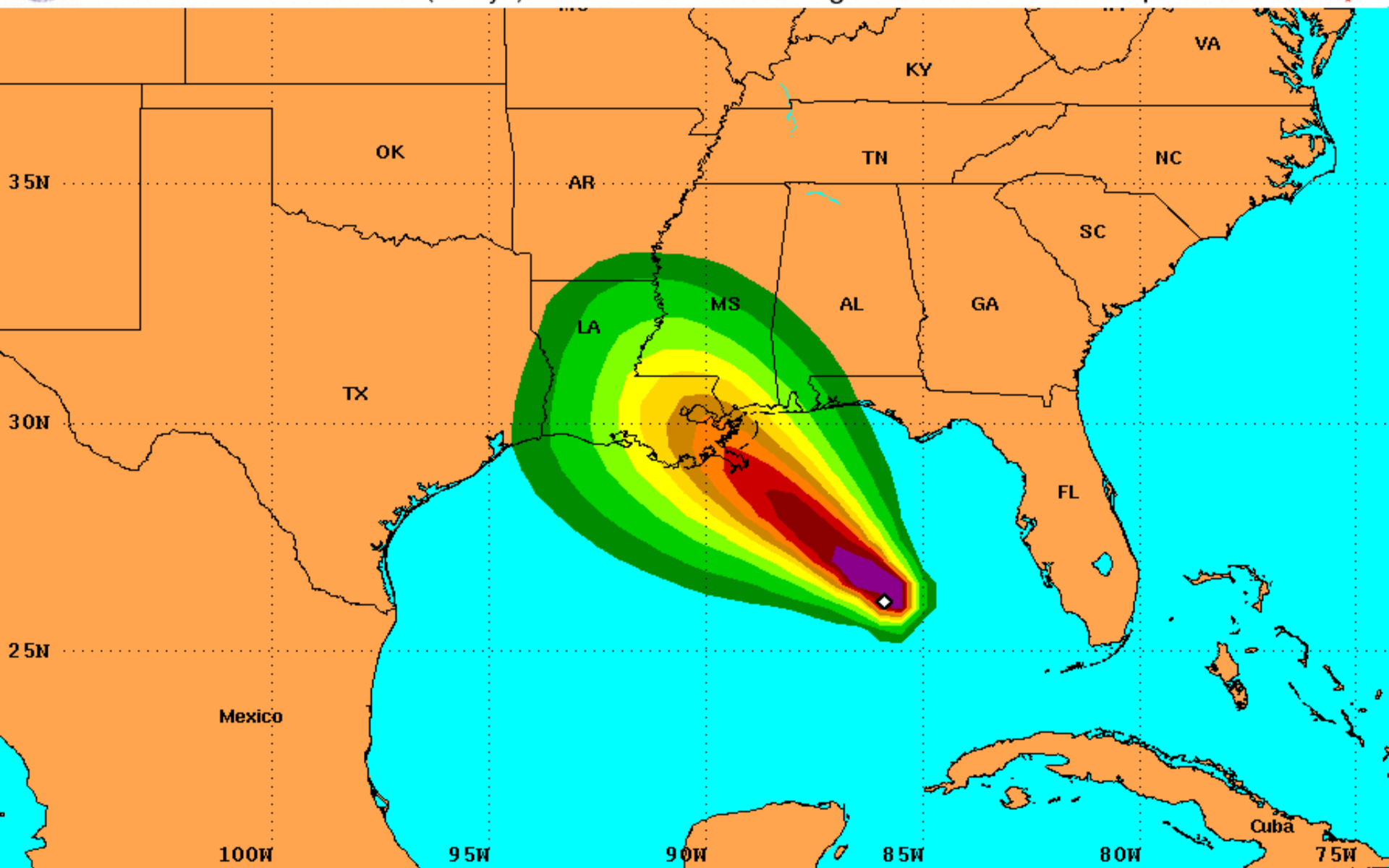
Probability of sustained tropical storm force surface winds (1-minute average of 39 mph or greater)

◇ indicates TROPICAL STORM ISAAC center location at 1 PM CDT Mon Aug 27 2012 (Forecast/Advisory #27)



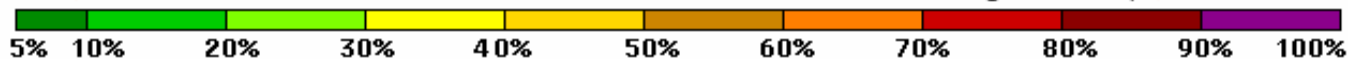


PRELIMINARY (SINGLE STORM) 50-knot Wind Speed Probabilities
For the 120 hours (5 days) from 1 PM CDT Mon Aug 27 to 1 PM CDT Sat Sep 1



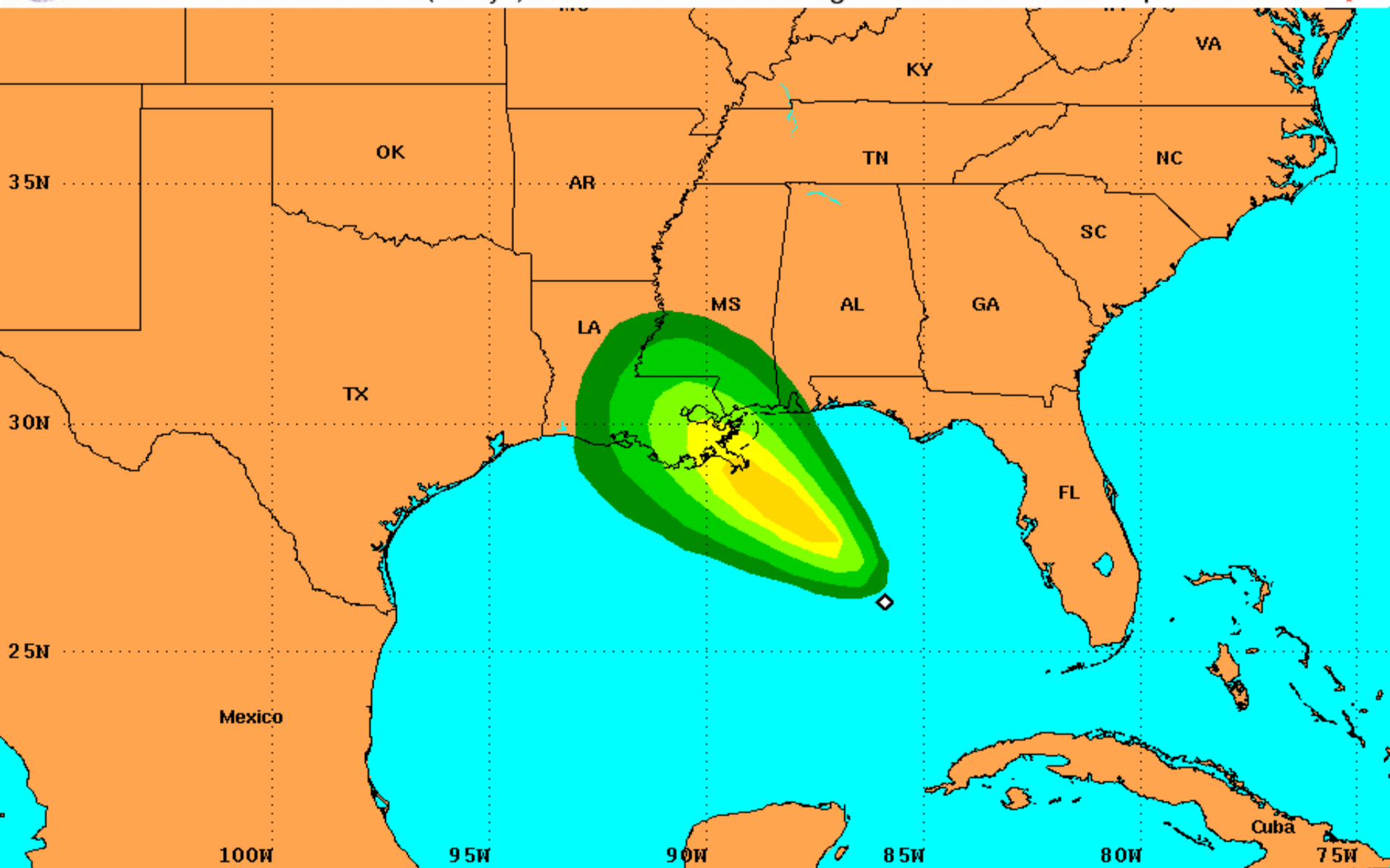
Probability of 1-minute average 50-knot (58 mph) or greater surface winds

◆ indicates TROPICAL STORM ISAAC center location at 1 PM CDT Mon Aug 27 2012 (Forecast/Advisory #27)





PRELIMINARY (SINGLE STORM) Hurricane Force Wind Speed Probabilities For the 120 hours (5 days) from 1 PM CDT Mon Aug 27 to 1 PM CDT Sat Sep 1



Probability of sustained hurricane force surface winds (1-minute average of 74 mph or greater)

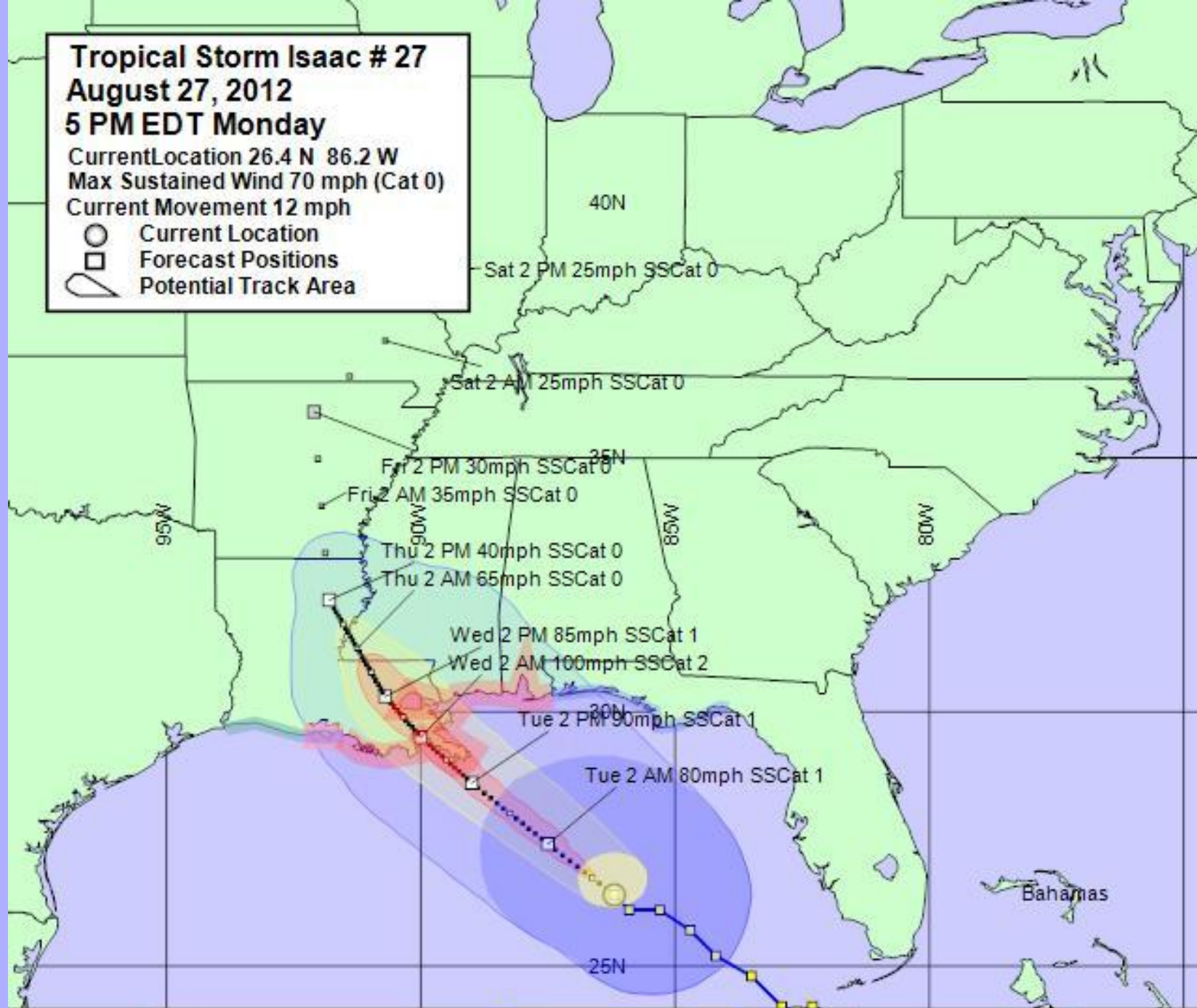
◇ indicates TROPICAL STORM ISAAC center location at 1 PM CDT Mon Aug 27 2012 (Forecast/Advisory #27)



Tropical Storm Isaac # 27
August 27, 2012
5 PM EDT Monday

Current Location 26.4 N 86.2 W
Max Sustained Wind 70 mph (Cat 0)
Current Movement 12 mph

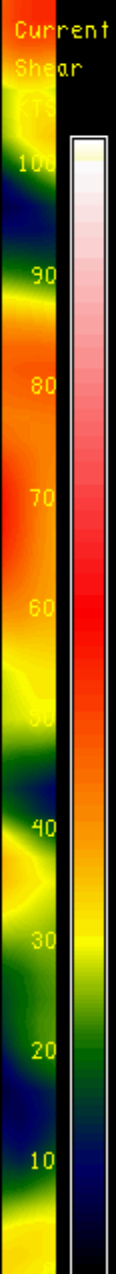
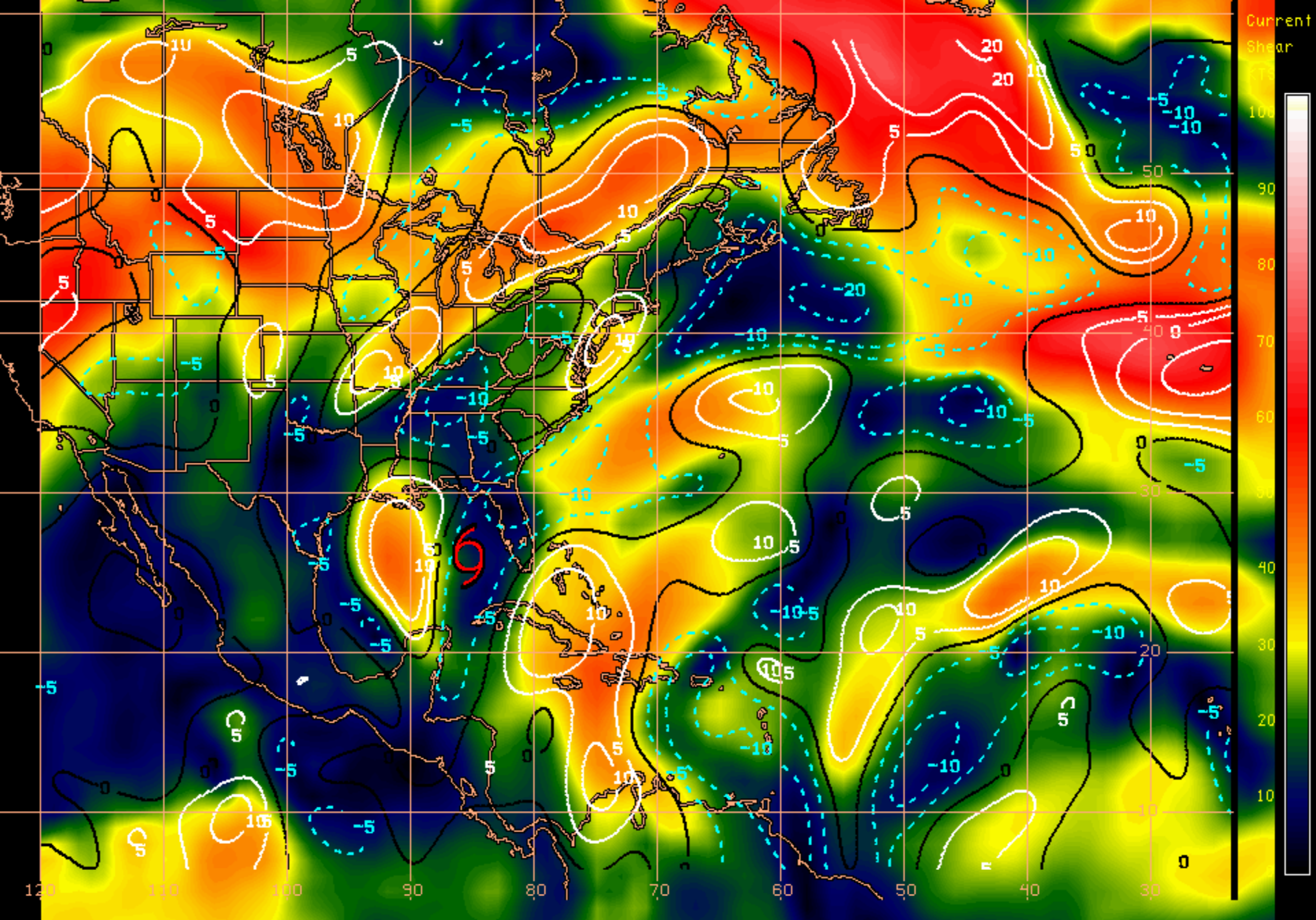
○ Current Location
□ Forecast Positions
Potential Track Area



Wind >= 64 knots (75 mph)

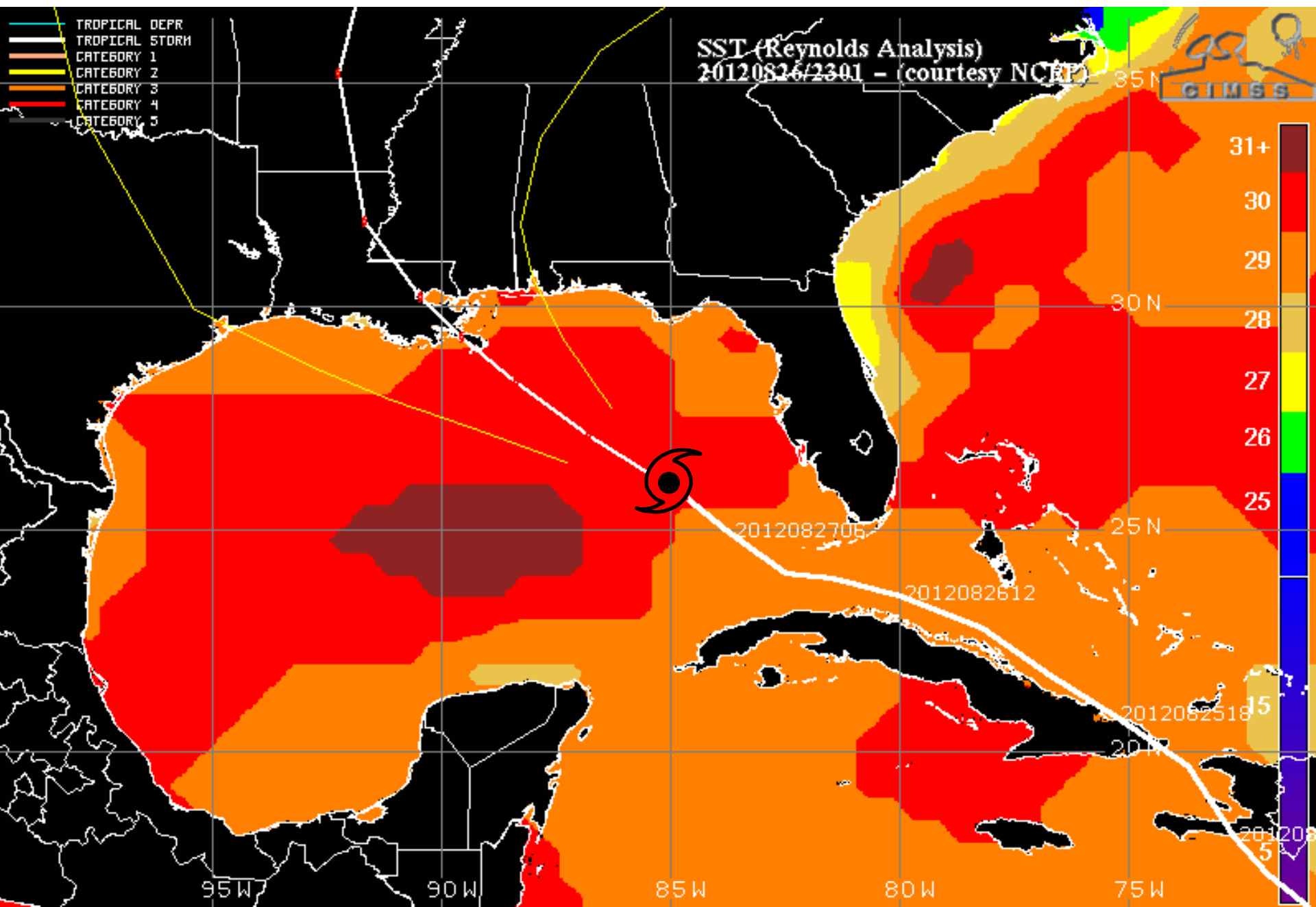
Wind >= 50 kts (58 mph)

Wind >= 34 kts (39 mph)



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

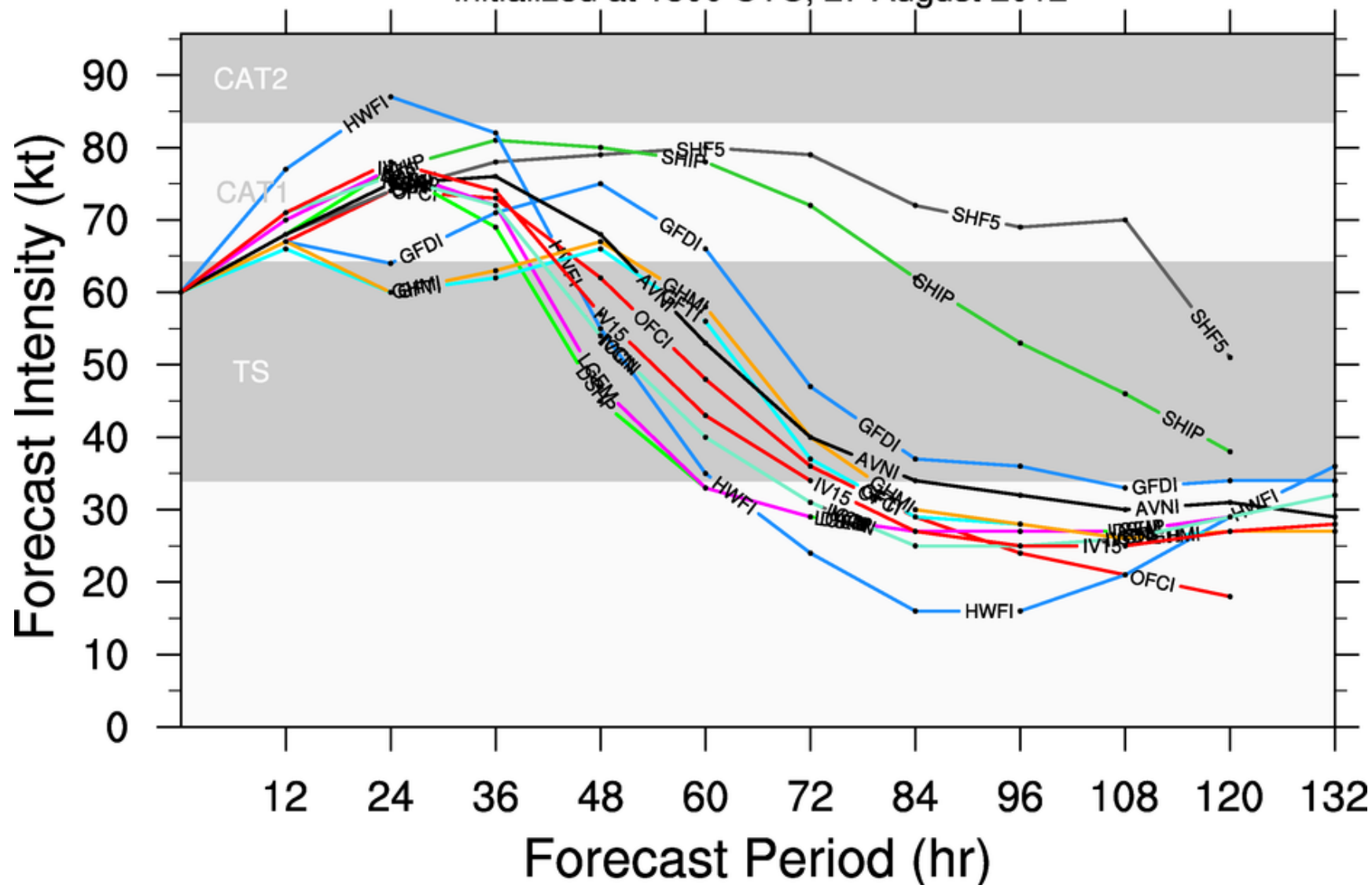
Current Sea Surface Temperatures Surrounding Isaac



TROPICAL STORM ISAAC (AL09)

Early-cycle intensity guidance

initialized at 1800 UTC, 27 August 2012



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Plot generated at 1852 UTC 27 August 2012



Intensity (Maximum Wind Speed) Probability Table
Tropical Storm Isaac Advisory Number 27
4:00 PM CDT Aug 27 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%	<1%	<1%	1%	31%	58%	77%
Tropical Depression (<39)	<1%	1%	1%	3%	39%	38%	21%
Tropical Storm (39-73)	29%	19%	19%	41%	26%	5%	2%
Hurricane (all categories)	71%	81%	81%	56%	4%	<1%	<1%
-- Category 1 (74-95)	64%	56%	50%	40%	3%	<1%	<1%
-- Category 2 (96-110)	5%	18%	21%	11%	1%	<1%	<1%
-- Category 3 (111-130)	1%	6%	8%	4%	<1%	<1%	<1%
-- Category 4 (131-155)	<1%	1%	2%	1%	<1%	<1%	<1%
-- Category 5 (>155)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Forecast Maximum Wind	80 mph	90 mph	100 mph	85 mph	40 mph	30 mph	25 mph

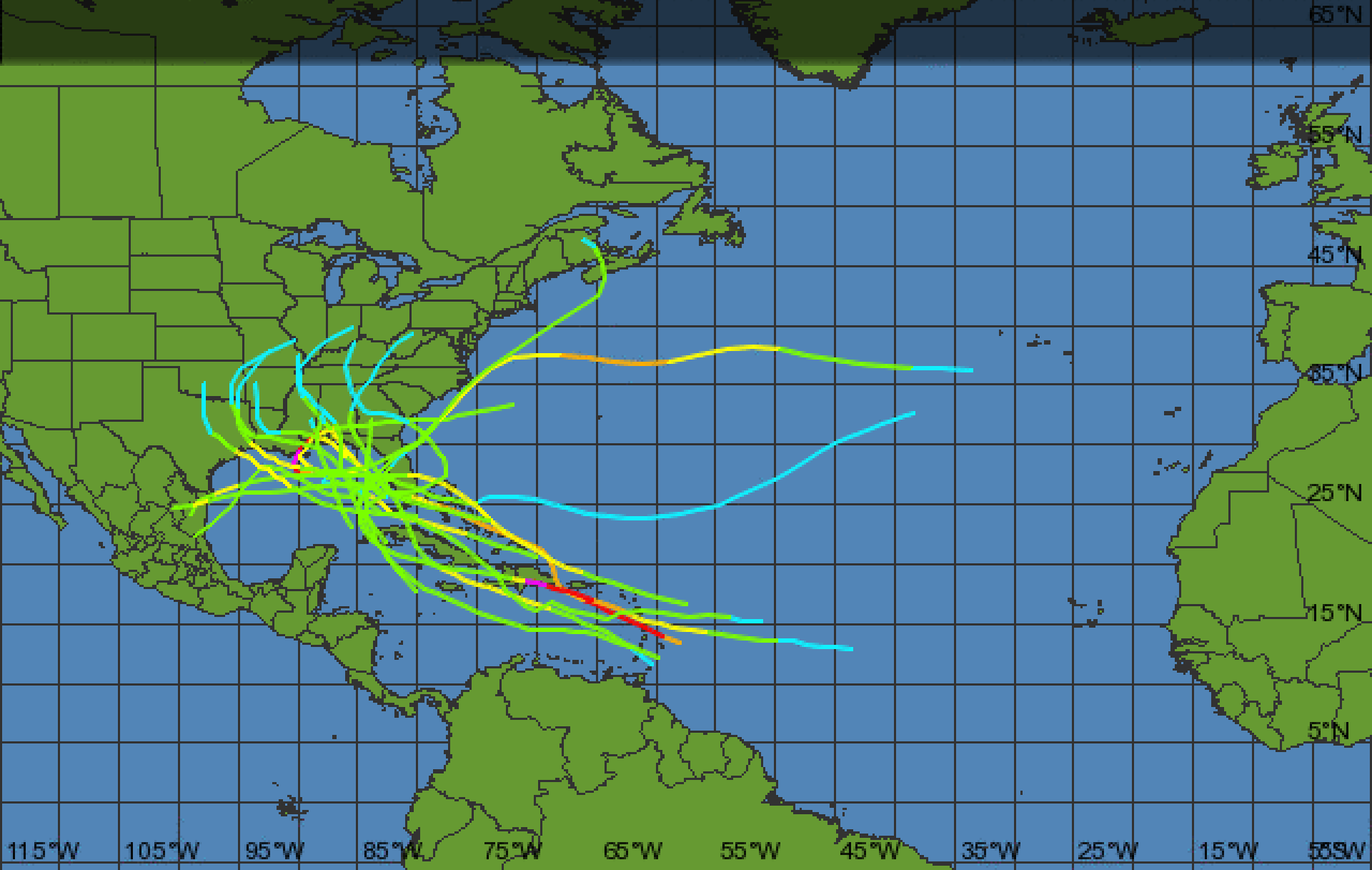
Tropical Storm Isaac

Tracks of all August
Tropical Storms
Within 2 degrees of Isaac
Between 1851 and 2011

Storm Category

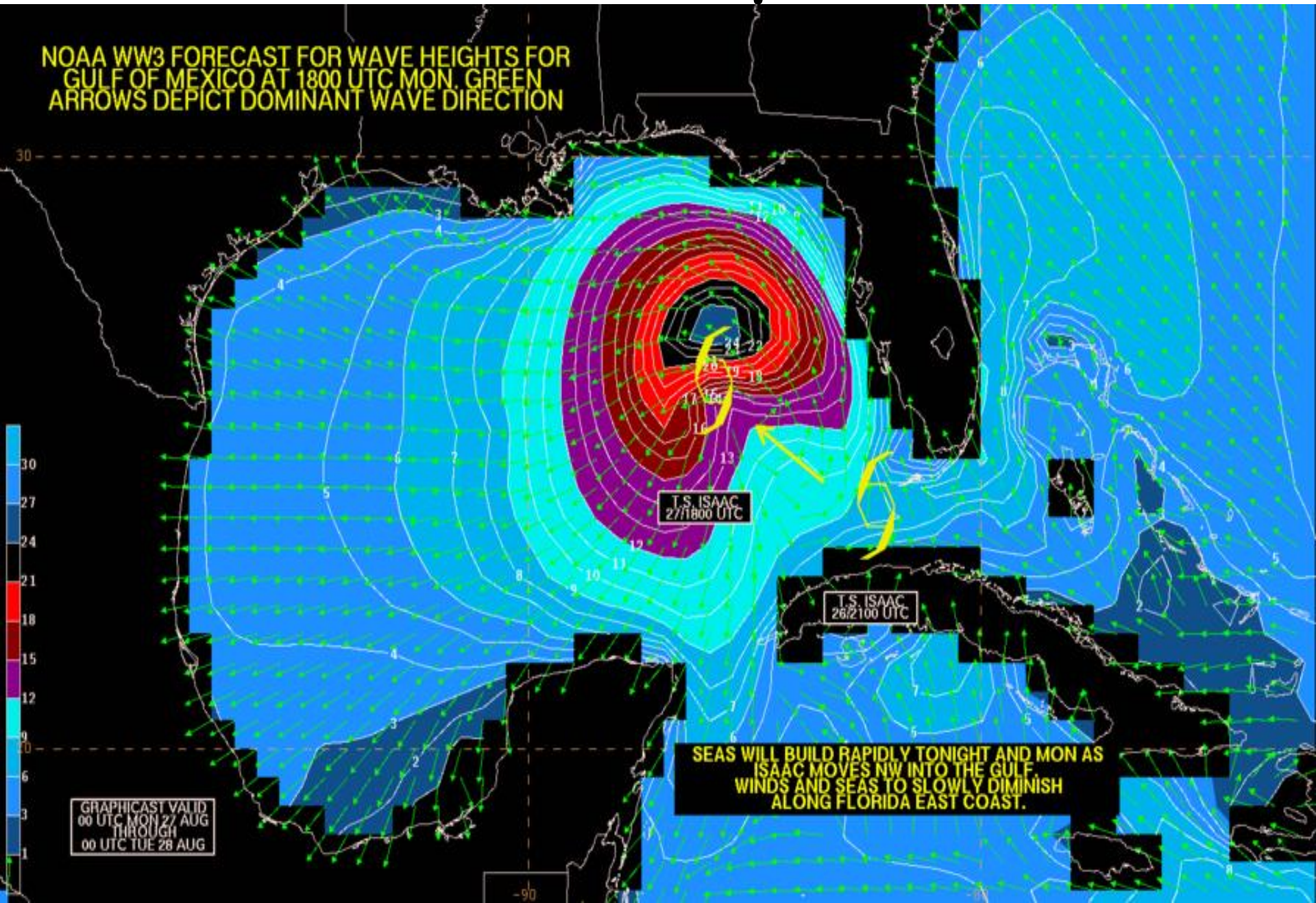


Tropical Depression	Tropical Storm	Category 1	Category 2	Category 3	Category 4	Category 5
< 39 mph	39-73 mph	74-95 mph	96-110 mph	111-130 mph	131-155 mph	156+ mph



NHC Short Term Graphical Forecast

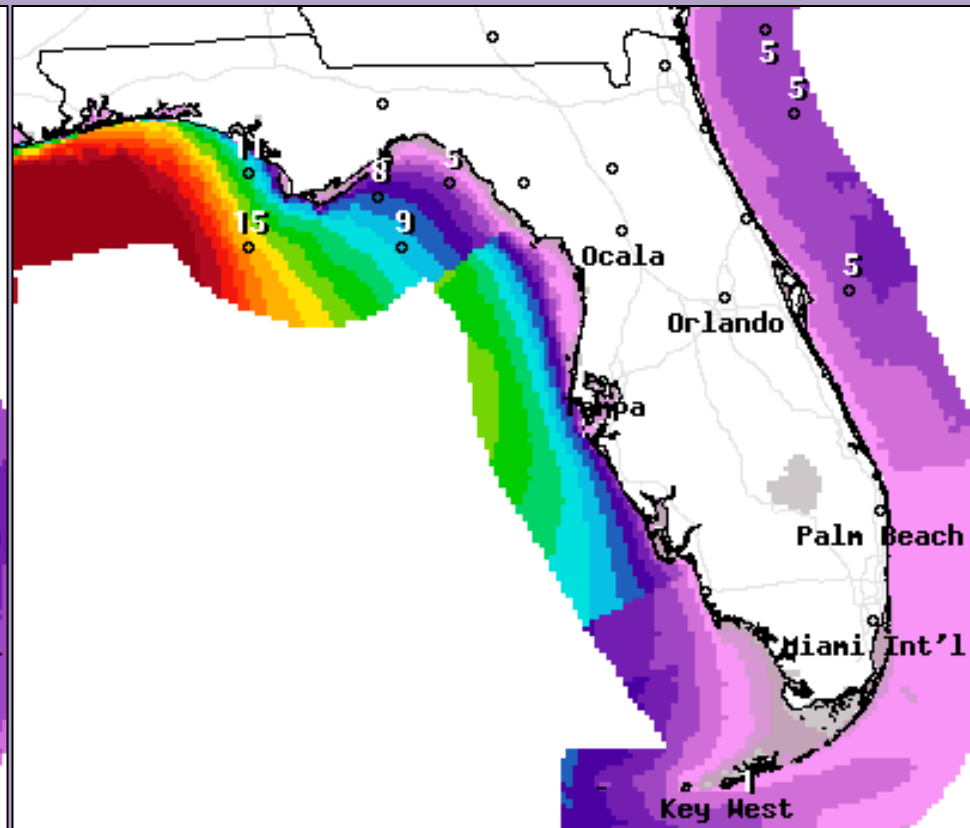
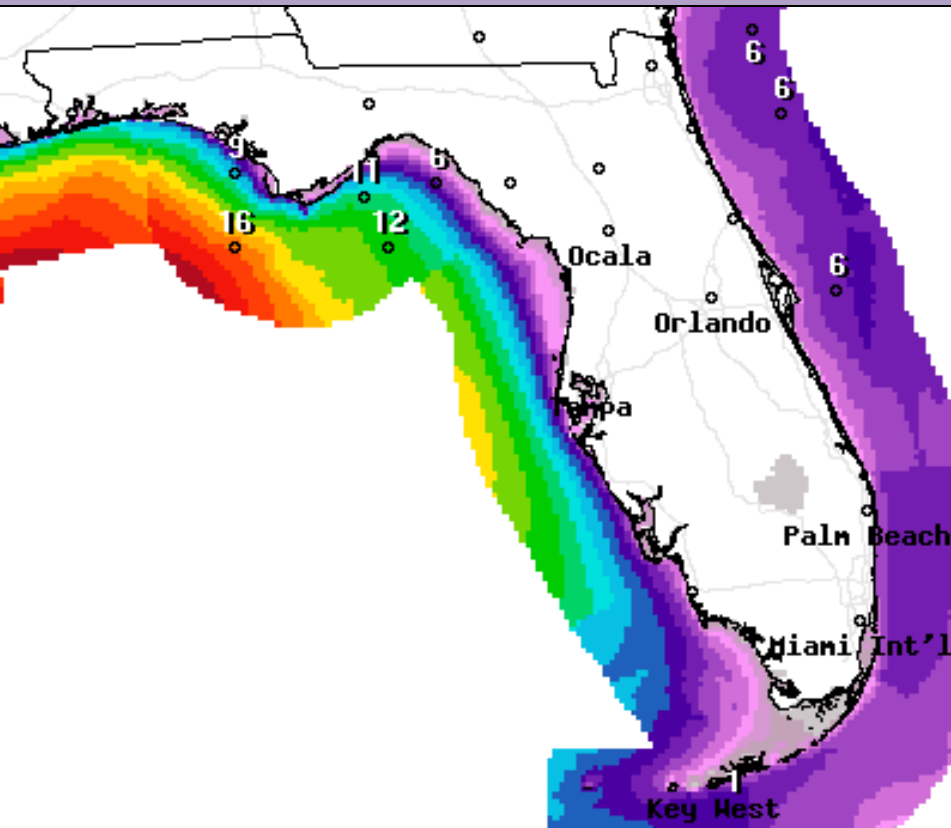
NOAA WW3 FORECAST FOR WAVE HEIGHTS FOR
GULF OF MEXICO AT 1800 UTC MON. GREEN
ARROWS DEPICT DOMINANT WAVE DIRECTION



Forecast Wave Height

Tonight

Tomorrow



Storm Surge

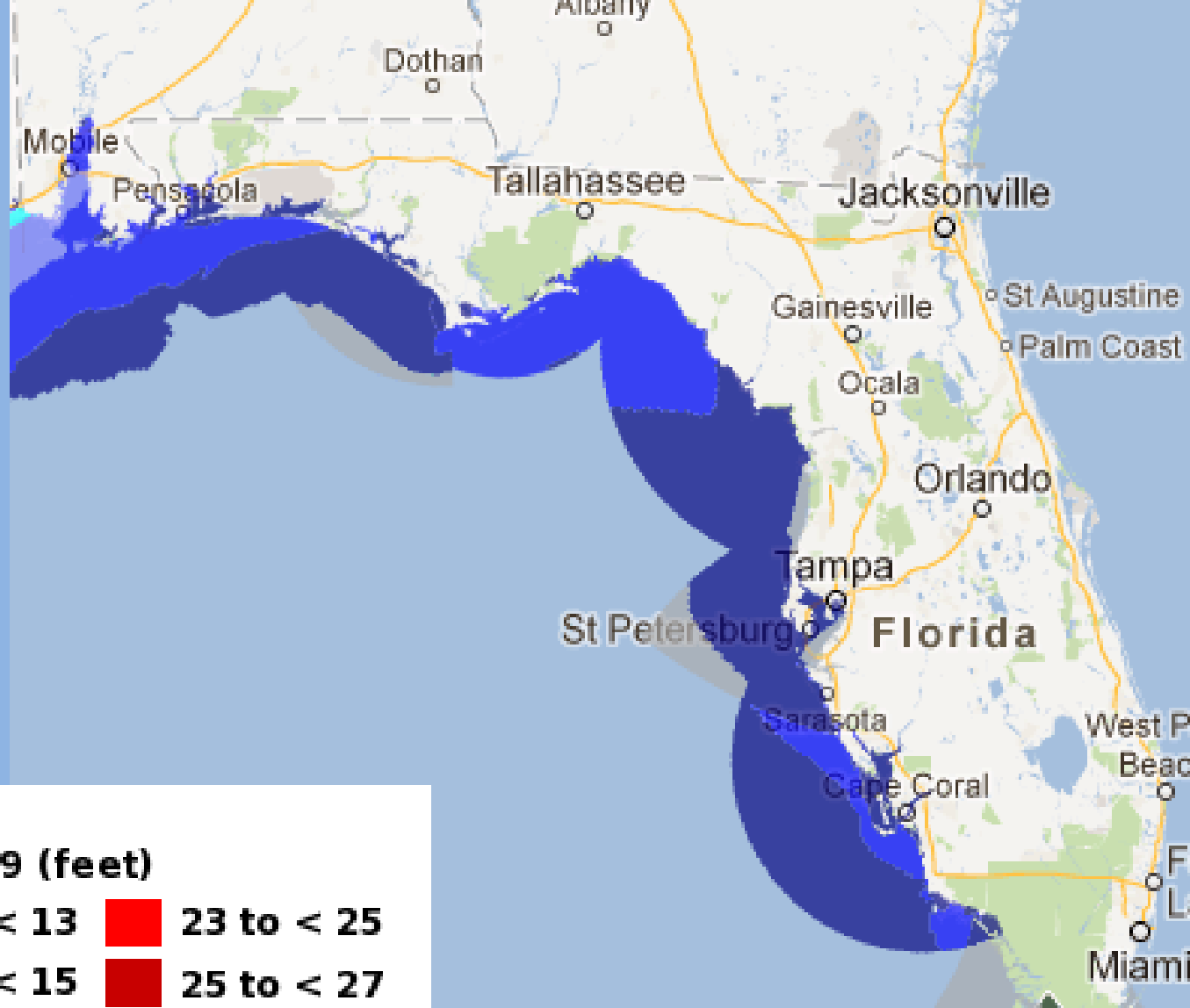
Tropical Cyclone Storm
Surge Heights That Have a
1 in 10 Chance of Being
Exceeded

Tropical Storm Isaac (2012)
Advisory 26

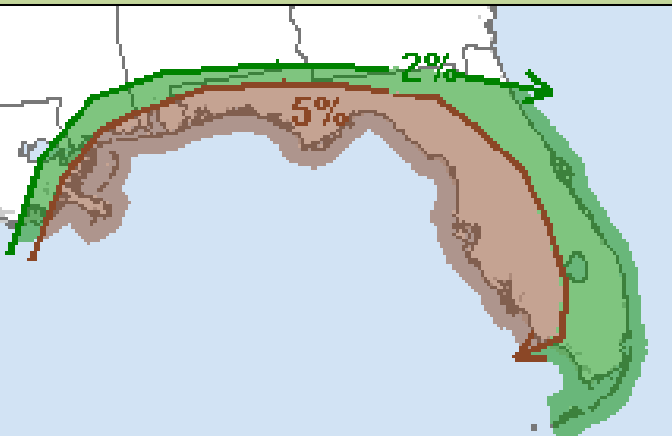
For the 77 hours from 11
AM EDT Mon Aug 27 to 4
PM EDT Thu Aug 30

Legend

Height above NGVD-29 (feet)

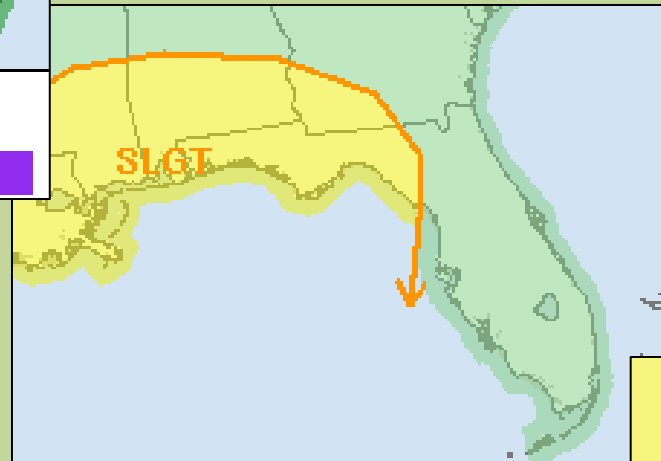


Risk of Severe Weather



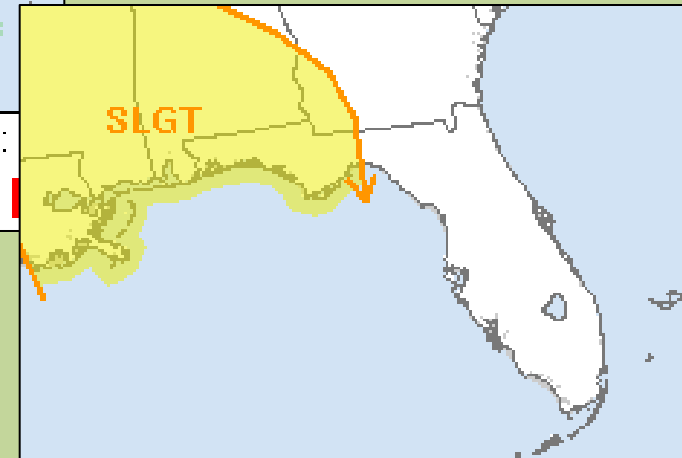
Tornado Probability Legend (in %):
2 5 10 15 30 45

Tonight



Categorical Outlook Legend:
TSTM SLGT MDT

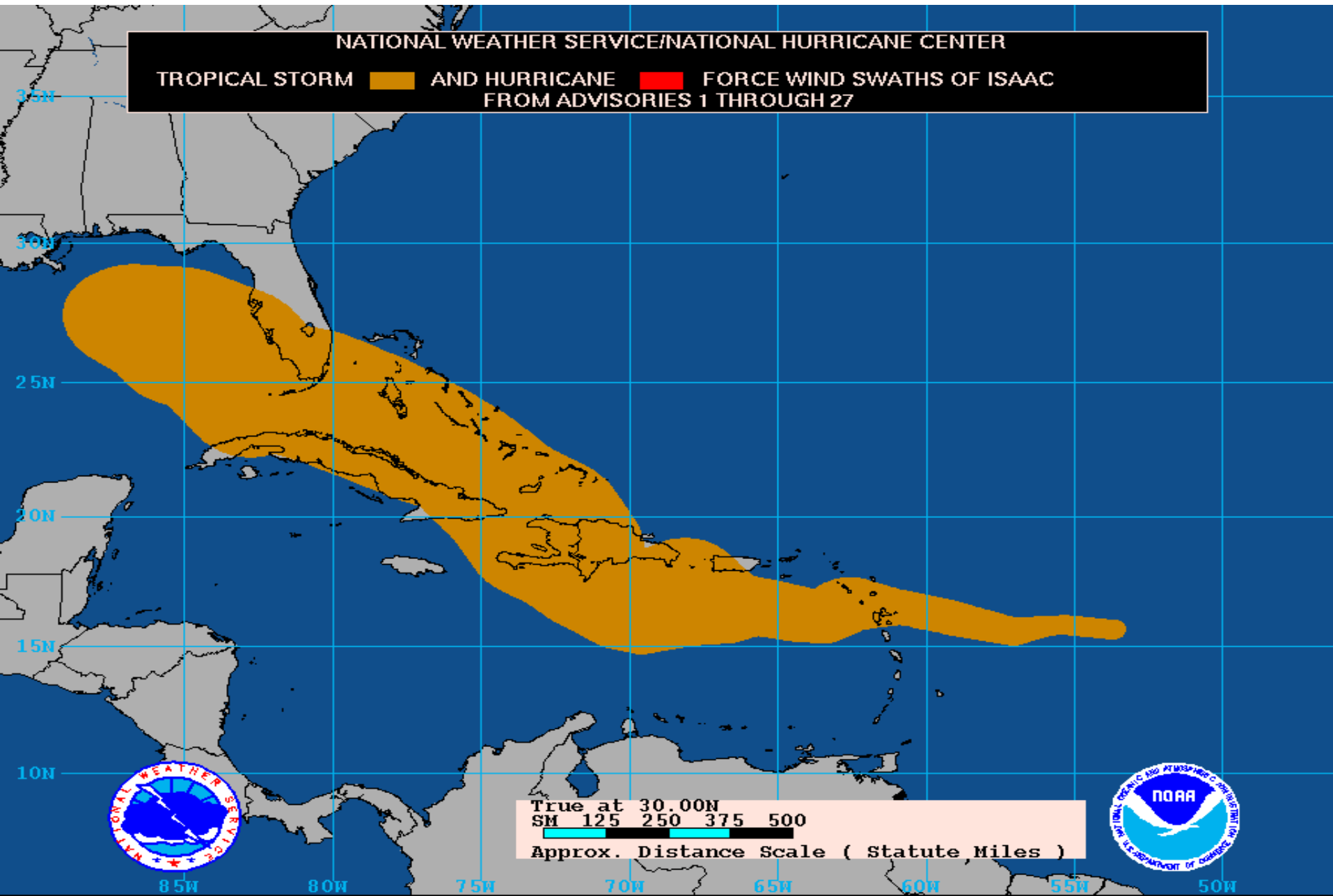
Tuesday



Wednesday

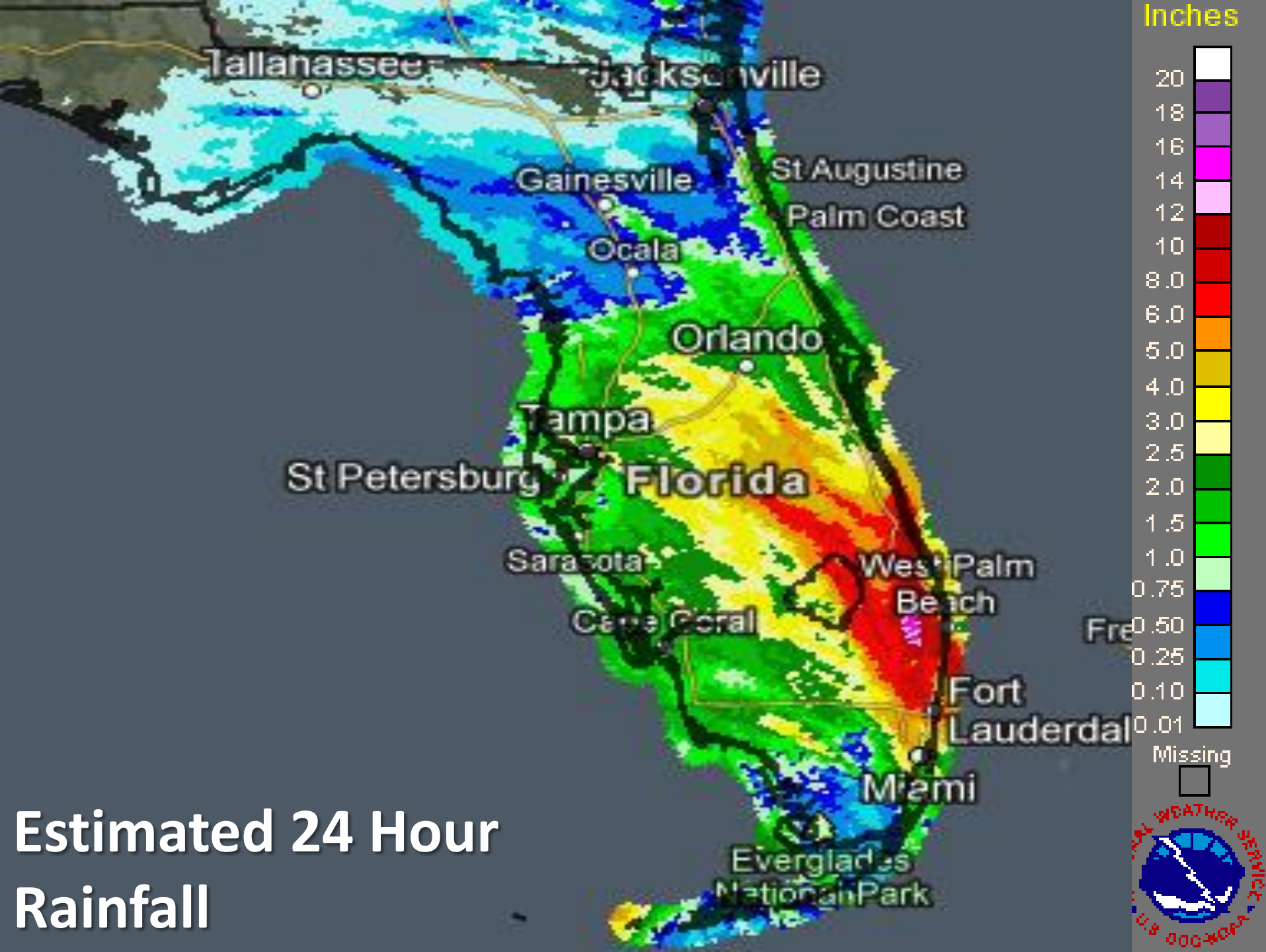
Categorical Outlook Legend:
TSTM SLGT MDT

Isaac Wind History

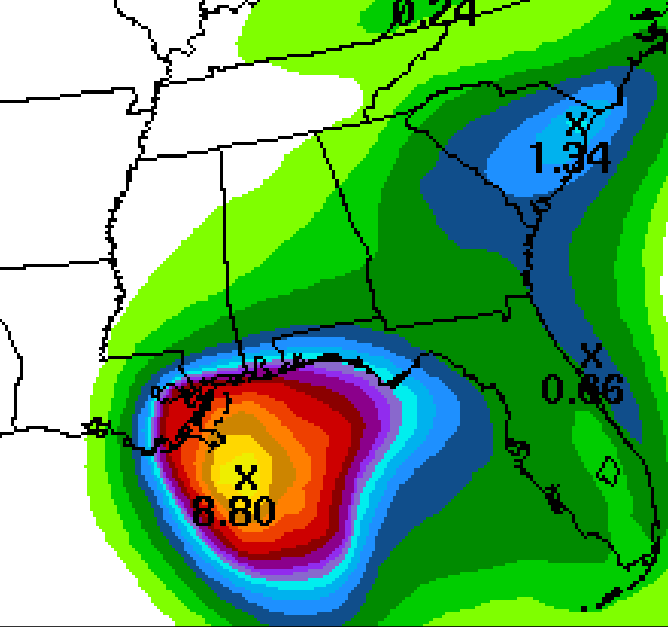


Wind Timing

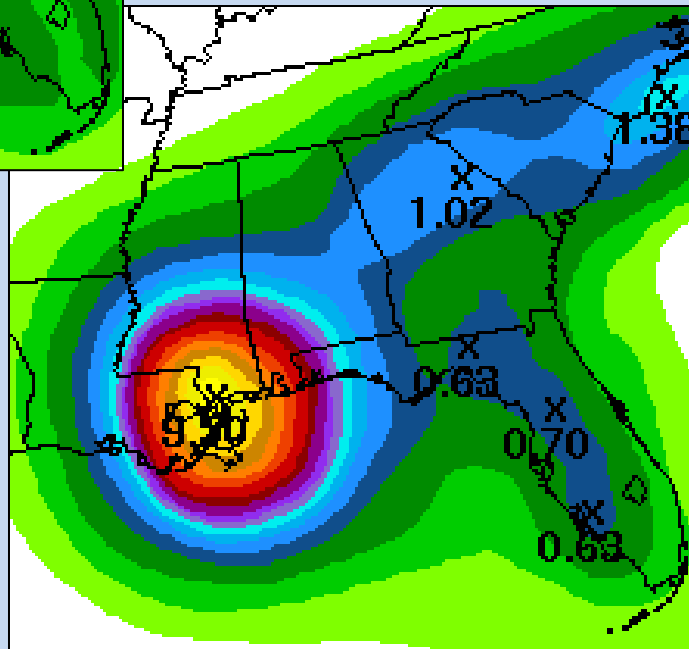
FL Escambia	08/28 03E					08/29 13E [34]	39kt 08/28 11E
FL Okaloosa	08/28 07E					08/28 19E [12]	35kt 08/28 08E
FL Santa Rosa	08/28 04E					08/29 04E [24]	38kt 08/28 11E



Forecast Rainfall Amounts

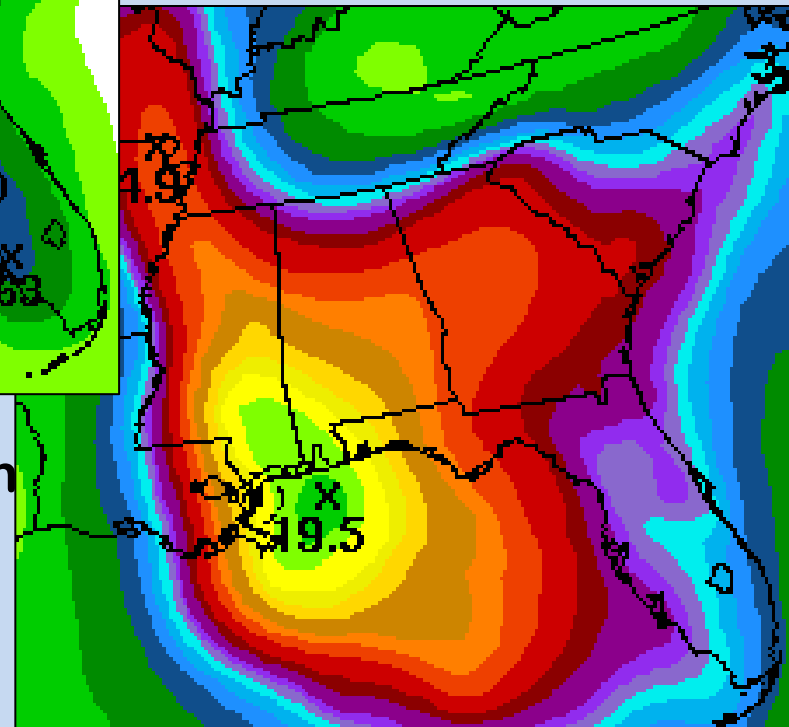


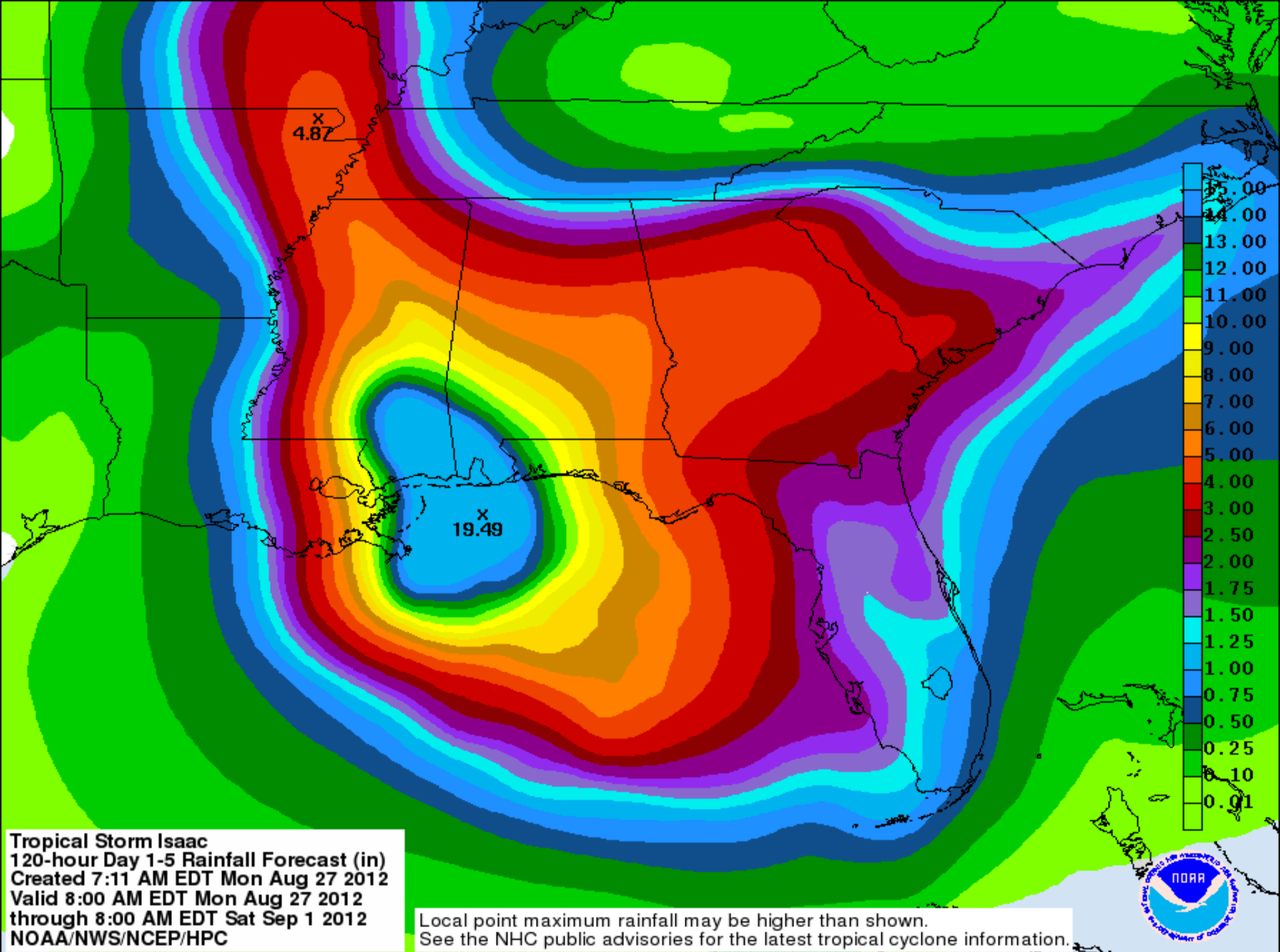
Monday Night
through Tuesday
Night



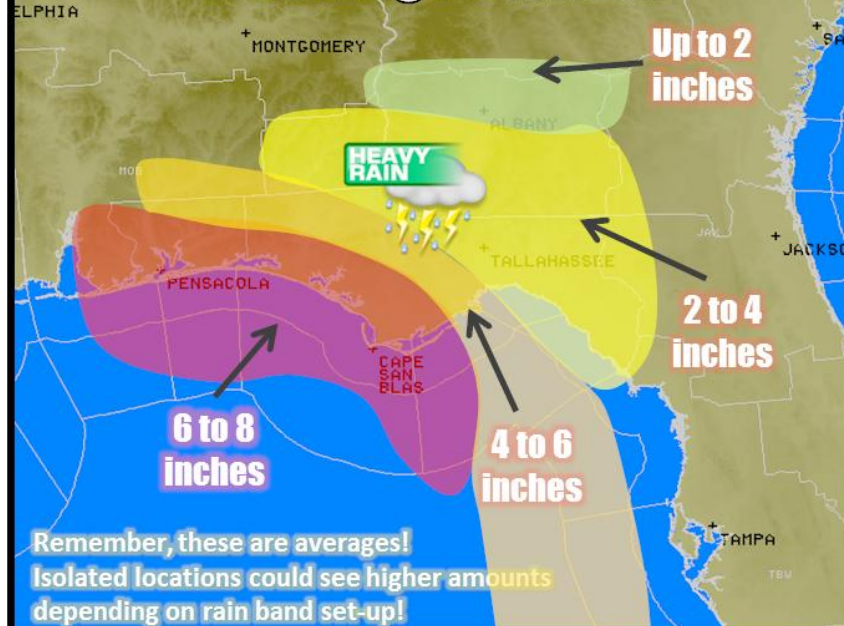
Tuesday Night through
Wednesday Night

Total Monday through
Friday Night

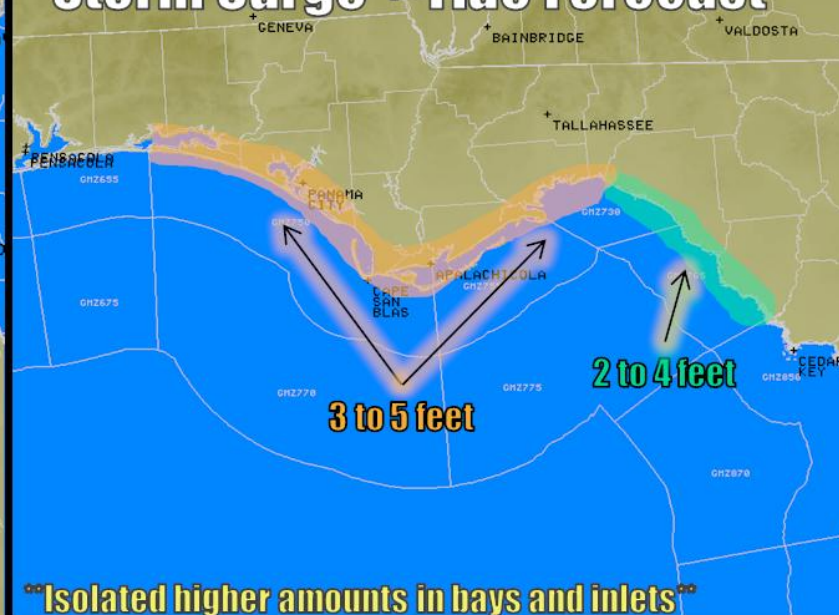




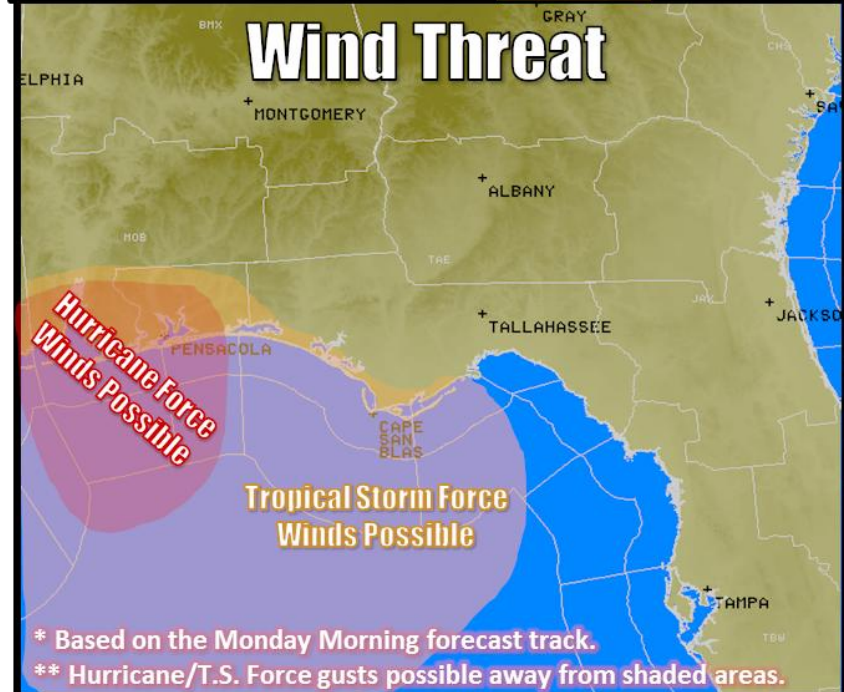
Flooding Potential



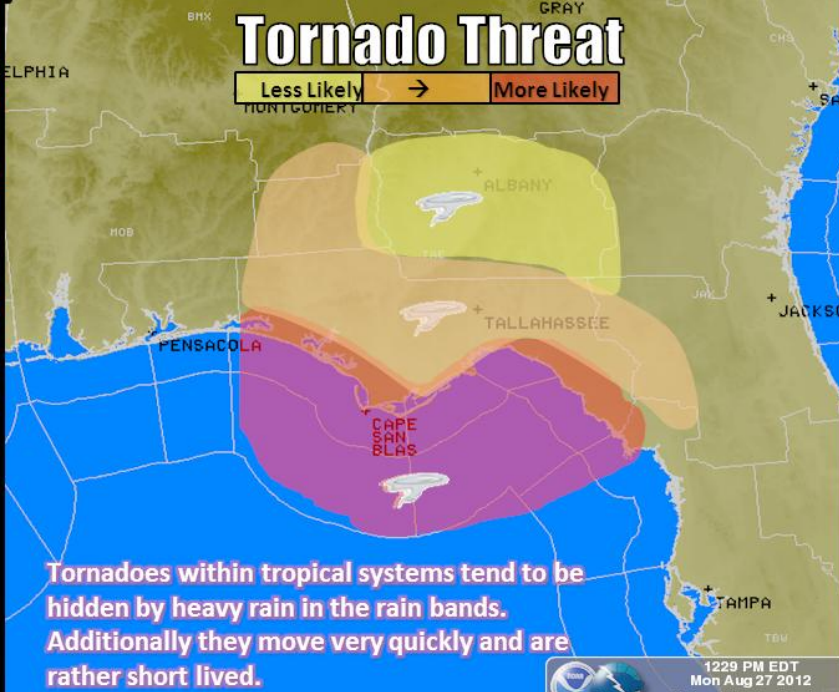
Storm Surge + Tide Forecast



Wind Threat



Tornado Threat



1229 PM EDT
Mon Aug 27 2012
National Weather Service
Tallahassee, FL

Local Tropical Storm Isaac Hazards Links

- NWS Melbourne

http://w1.weather.gov/tcig/php/tcig_index.php?sid=MLB

- NWS Tampa

http://w1.weather.gov/tcig/php/tcig_index.php?sid=TBW

- NWS Tallahassee

http://w1.weather.gov/tcig/php/tcig_index.php?sid=TAE

- NWS Mobile

http://w1.weather.gov/tcig/php/tcig_index.php?sid=MOB

- NWS Key West

http://w1.weather.gov/tcig/php/tcig_index.php?sid=KEY

- NWS Miami

http://w1.weather.gov/tcig/php/tcig_index.php?sid=MFL



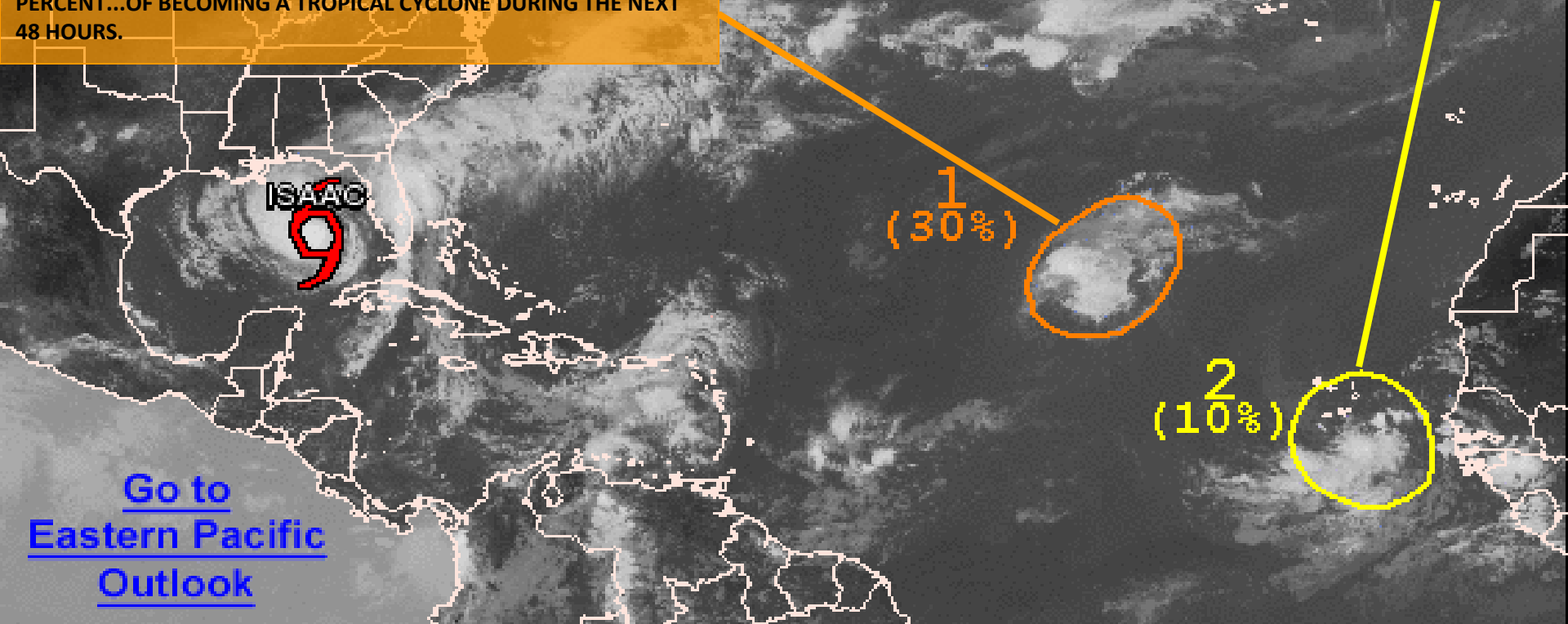
Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



1. A BROAD AREA OF LOW PRESSURE LOCATED ABOUT 1100 MILES WEST-NORTHWEST OF THE CAPE VERDE ISLANDS CONTINUES TO PRODUCING SHOWERS AND THUNDERSTORMS TO THE NORTH OF THE CENTER. UPPER-LEVEL WINDS ARE FORECAST TO BECOME LESS FAVORABLE FOR DEVELOPMENT DURING THE NEXT DAY OR TWO AS THE LOW MOVES WEST-NORTHWESTWARD TO NORTHWESTWARD AT 10 TO 15 MPH. THIS SYSTEM HAS A MEDIUM CHANCE...30 PERCENT...OF BECOMING A TROPICAL CYCLONE DURING THE NEXT 48 HOURS.

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



[Go to
Eastern Pacific
Outlook](#)

200 PM EDT MON AUG 27 2012

Satellite Image: 0122 PM EDT

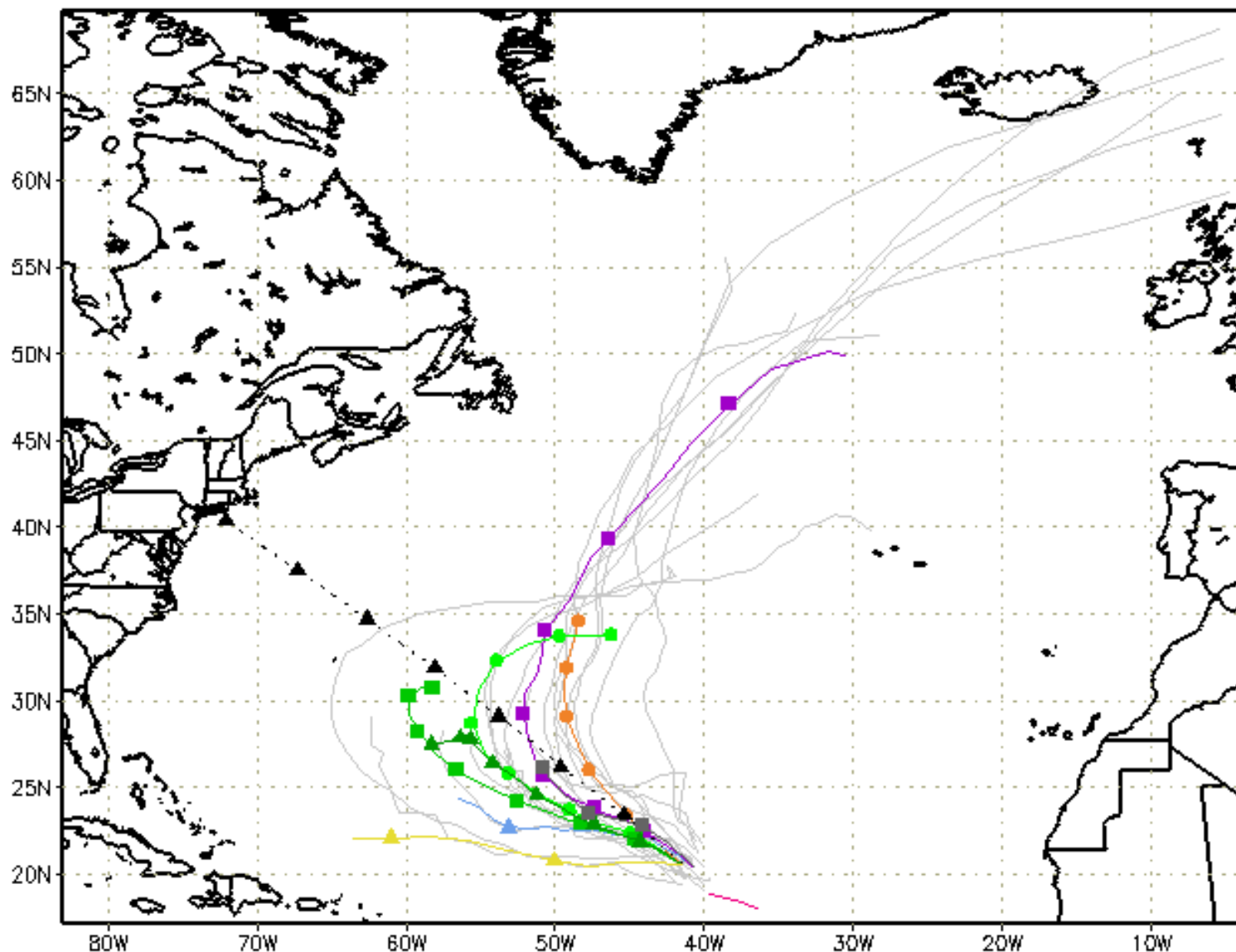
Outlined areas denote current position of systems discussed in the Tropical Weather Outlook. Color indicates probability of tropical cyclone formation within 48 hours.

Low <30%

Medium 30-50%

High >50%

---▲--- XTRP 27/1800Z	---▲--- BAMD 27/1800Z	---▲--- GFDL Not Avail	---▲--- AVNO 27/1200Z	---▲--- CMC 27/1800Z
---■--- TVCN 27/1200Z	---■--- BAMM 27/1800Z	---■--- UKM 27/1200Z	---■--- AEMN 27/1200Z	---■--- APxx 27/1200Z
---●--- NHC Not Avail	---●--- BAMS 27/1800Z	---●--- NGPS Not Avail	---●--- HWRF 26/1800Z	---●--- GLP5 27/1800Z



storm_97

sfwmd.gov

weather@sfwmd.gov
27-Aug 14:51 EDT

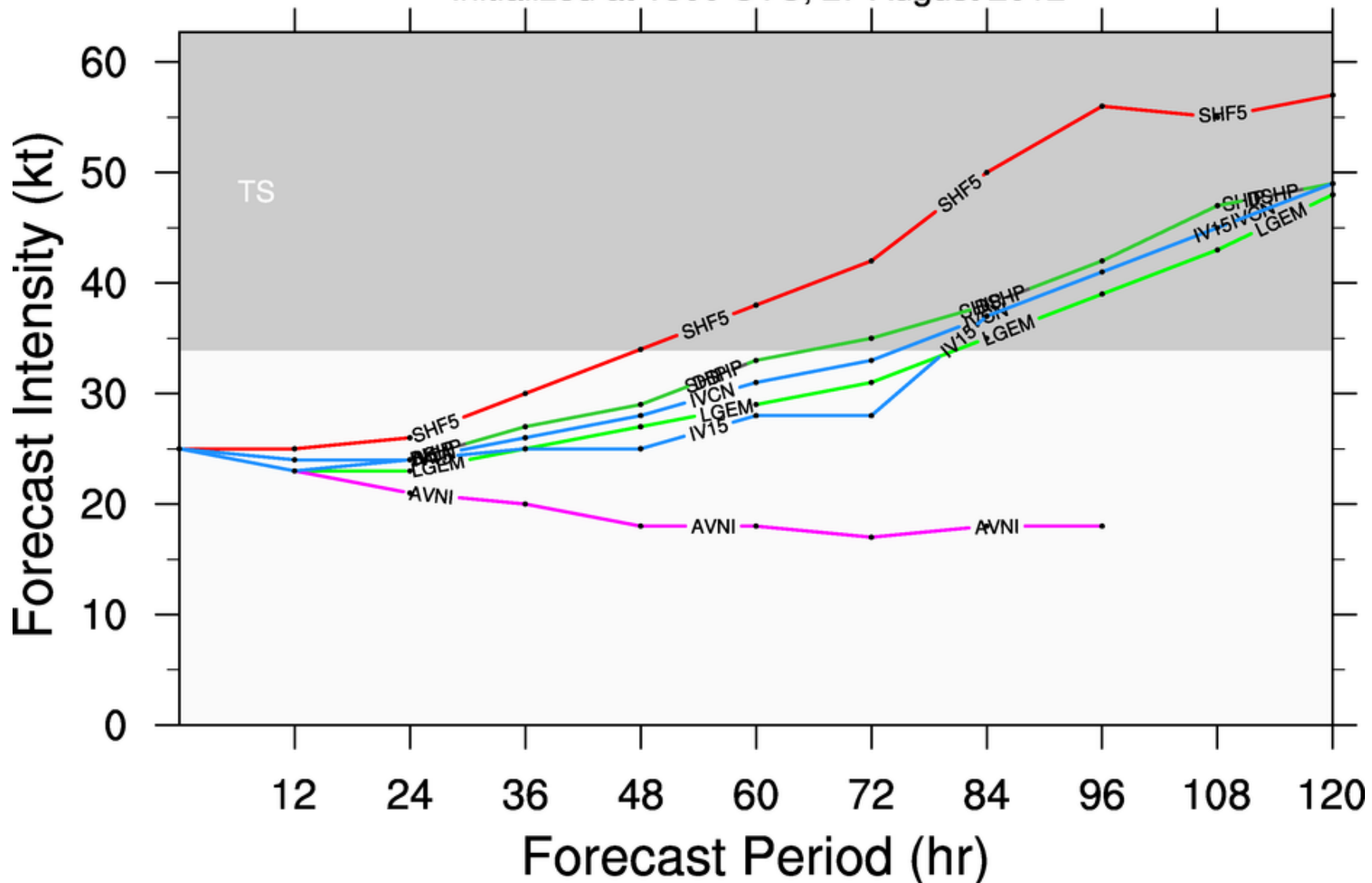
NHC Advisories and County Emergency Management Statements supersede this product. This graphic should complement, not replace, NHC discussions. If anything on this graphic causes confusion, ignore the entire product. For full info, see <http://my.sfwmd.gov/sfwmd/common/images/weather/plots.html>



DISTURBANCE INVEST (AL97)

Early-cycle intensity guidance

initialized at 1800 UTC, 27 August 2012



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Plot generated at 1852 UTC 27 August 2012