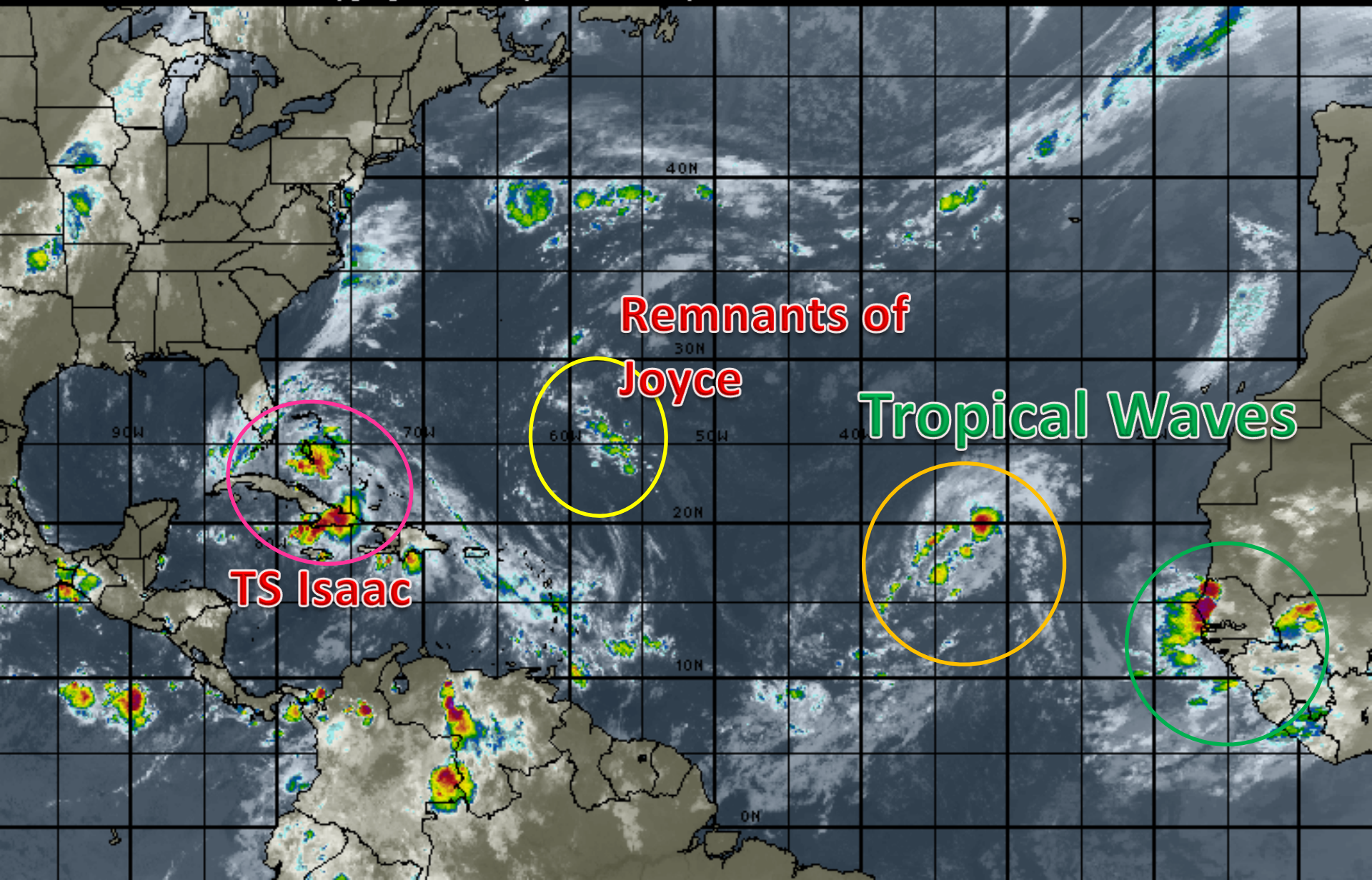


Atlantic Basin Satellite Image

09:00 26-AUG-2012 GMT ©Copyright WSI Corporation <http://www.wsi.com>



Tropical Storm Isaac

5 AM EDT Sun Aug 26 2012

Position 23.1 N 79.0 W

Maximum Winds 65 mph

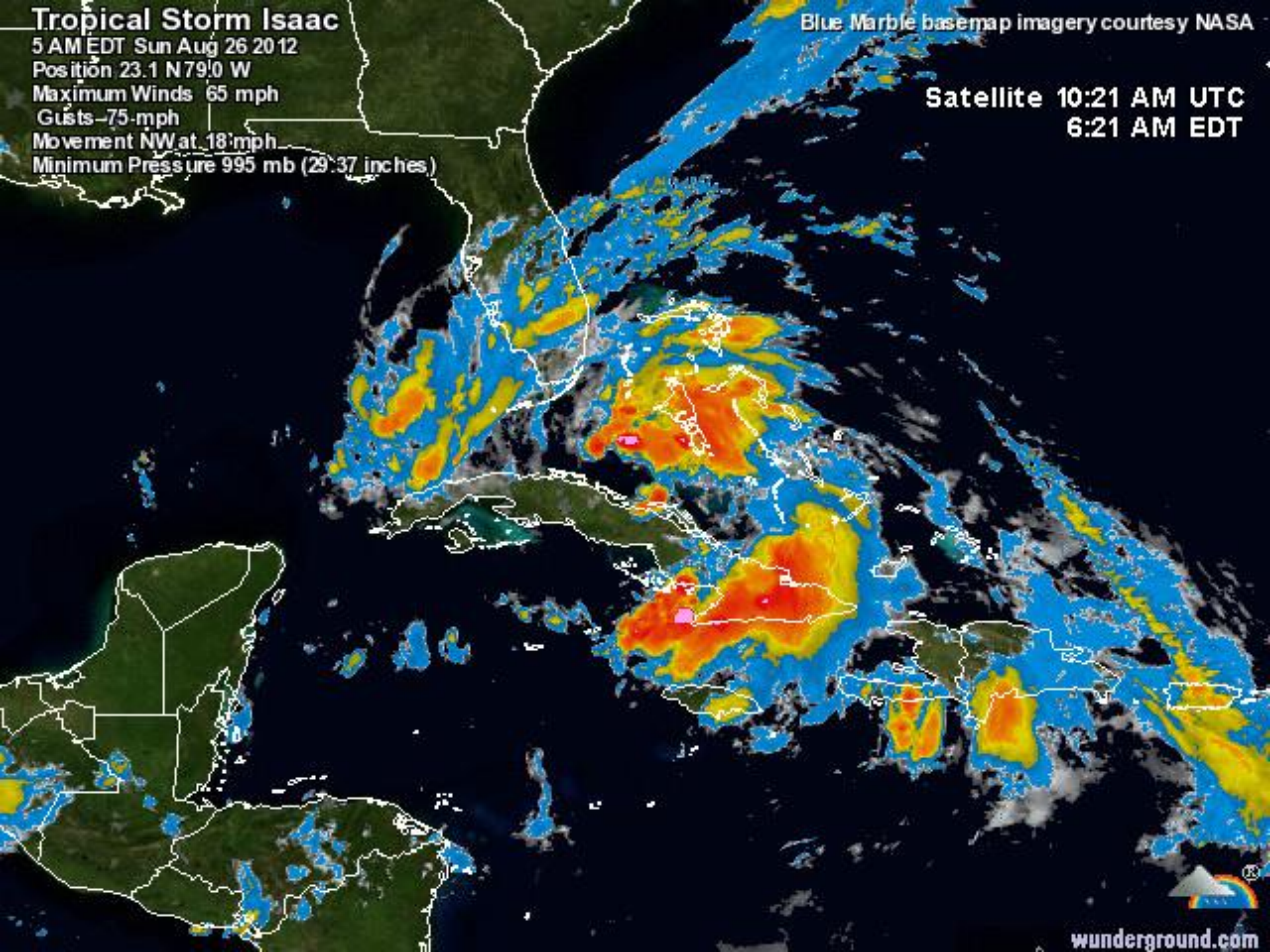
Gusts 75 mph

Movement NW at 18 mph

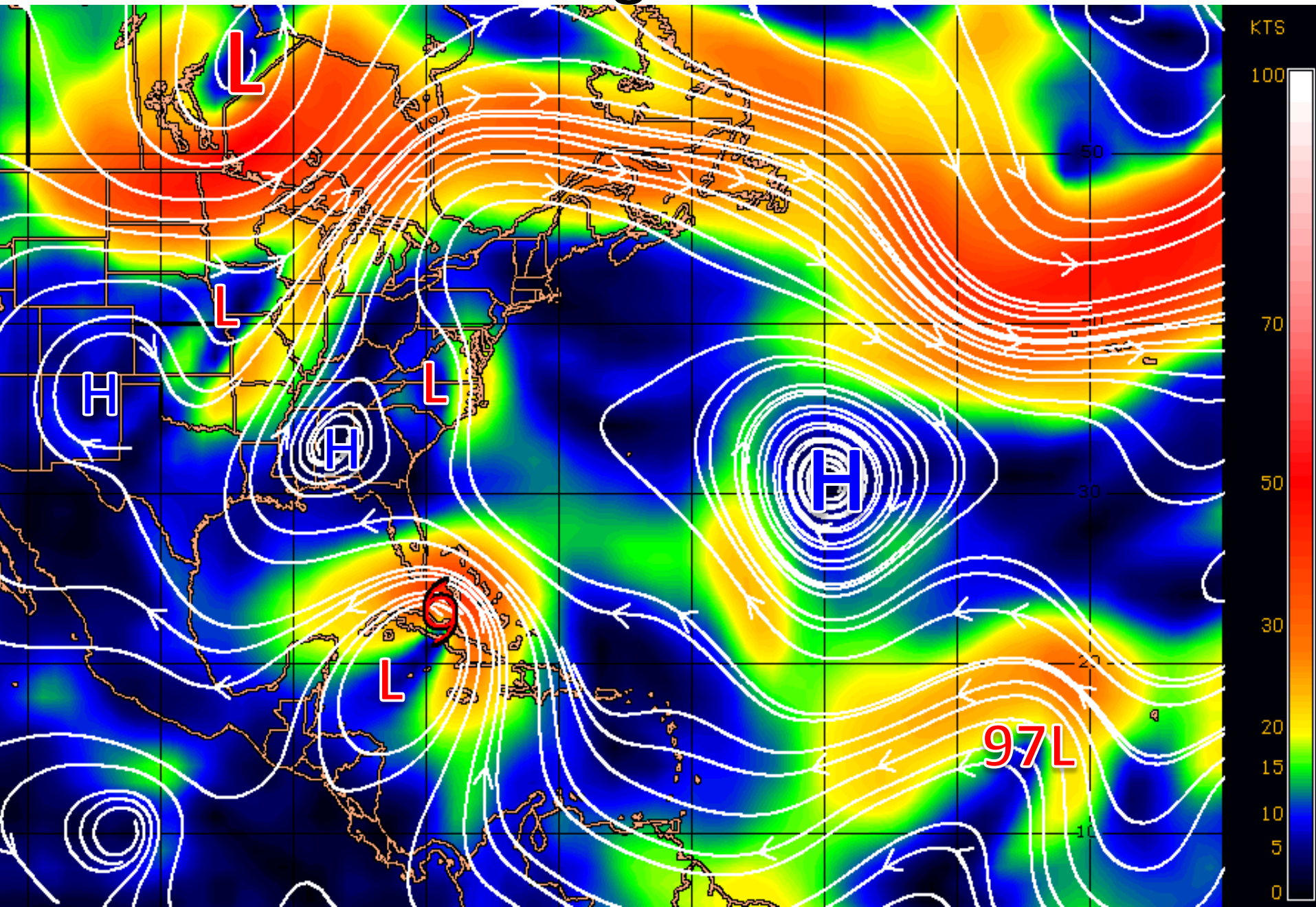
Minimum Pressure 995 mb (29.37 inches)

Blue Marble basemap imagery courtesy NASA

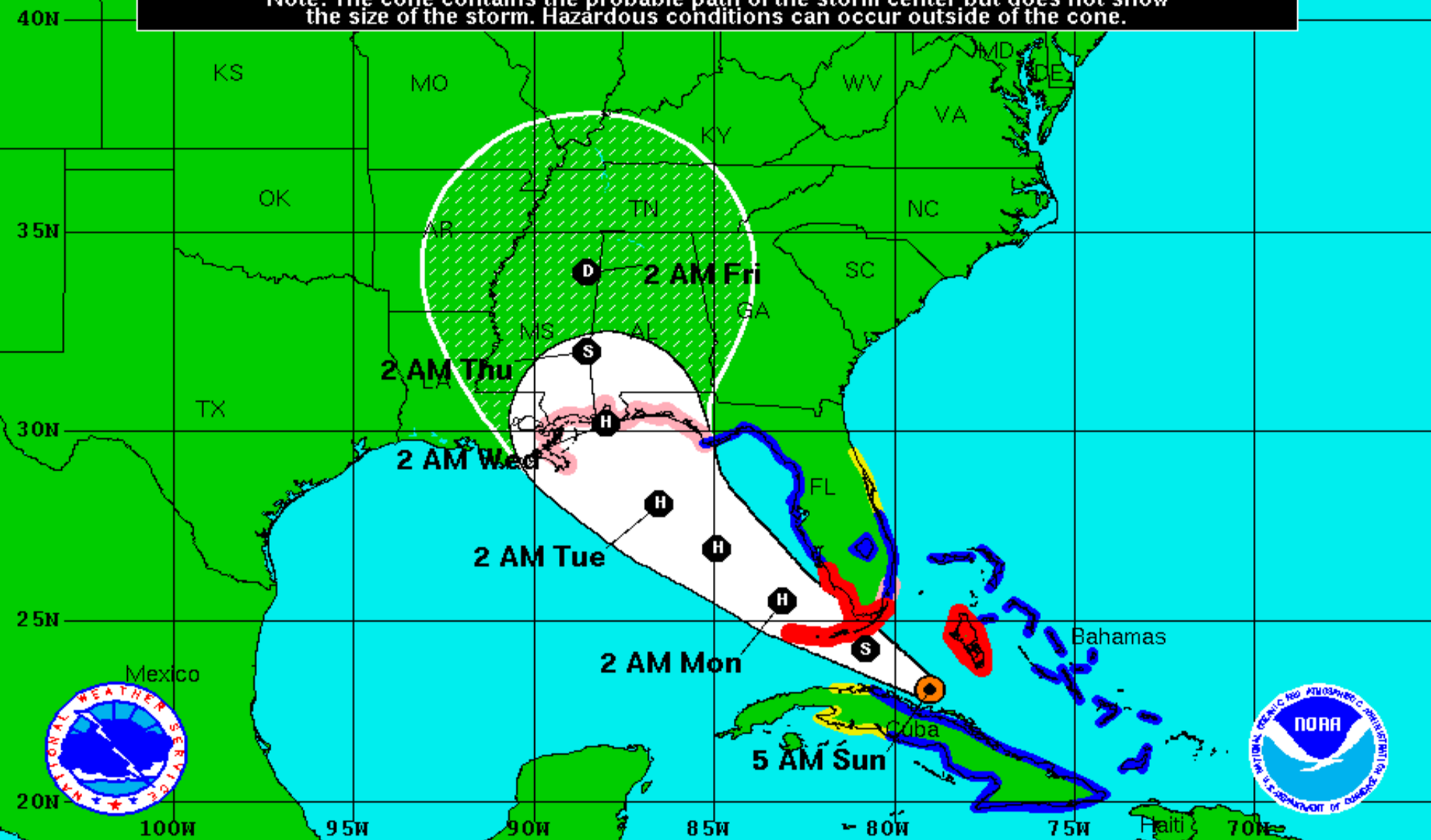
Satellite 10:21 AM UTC
6:21 AM EDT




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
Sunday August 26, 2012
5 AM EDT Advisory 21
 NWS National Hurricane Center

Current Information: 
 Center Location 23.1 N 79.0 W
 Max Sustained Wind 65 mph
 Movement NW at 18 mph

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

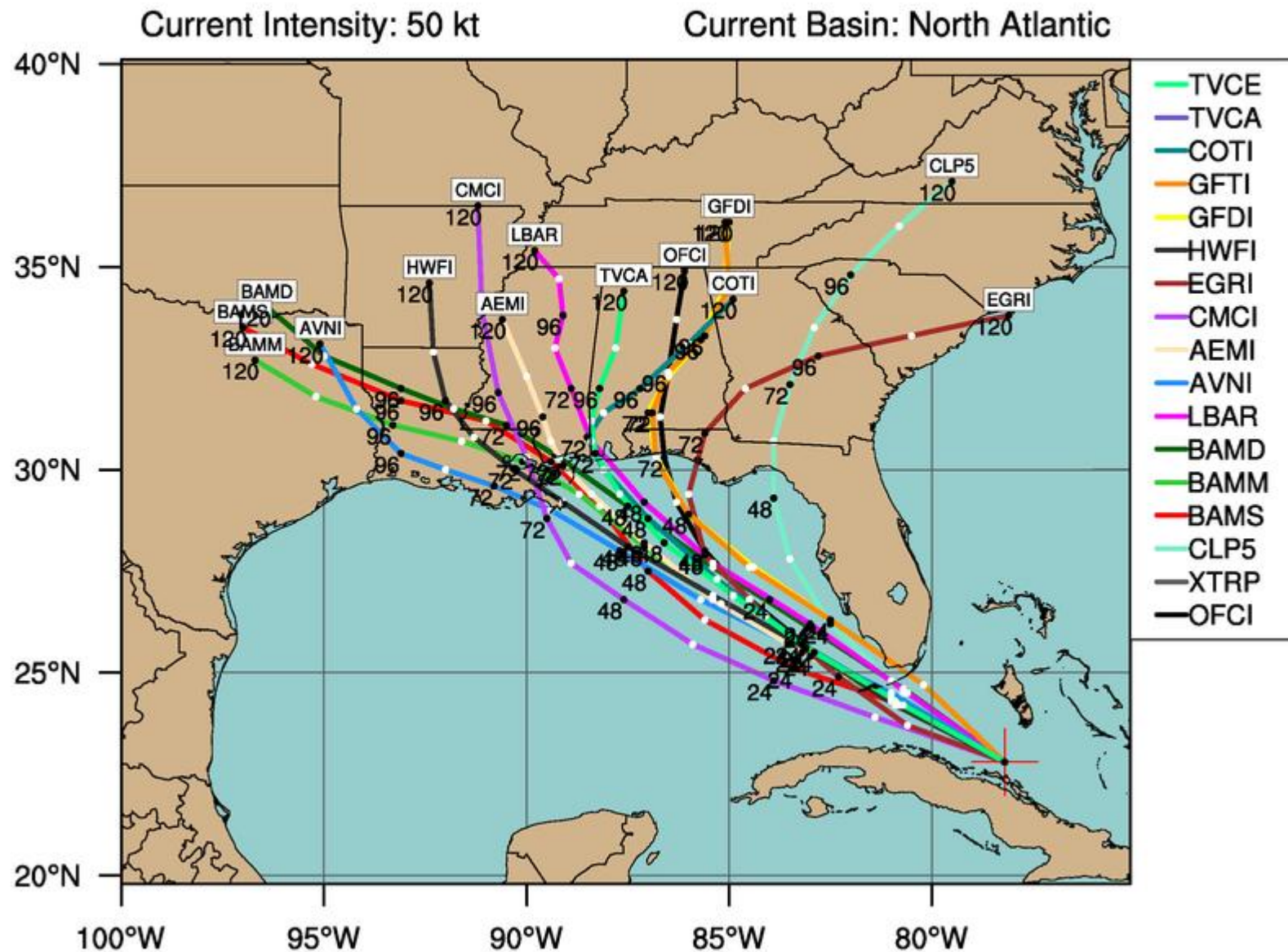
Potential Track Area:
 Day 1-3  Day 4-5

Watches:
 Hurricane  Trop.Storm

Warnings:
 Hurricane  Trop.Storm

TROPICAL STORM ISAAC (AL09)

Early-cycle track guidance initialized at 0600 UTC, 26 August 2012



Tropical Storm Isaac

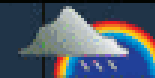
5 AM EDT Sun Aug 26 2012

Models: Points 12 hours apart

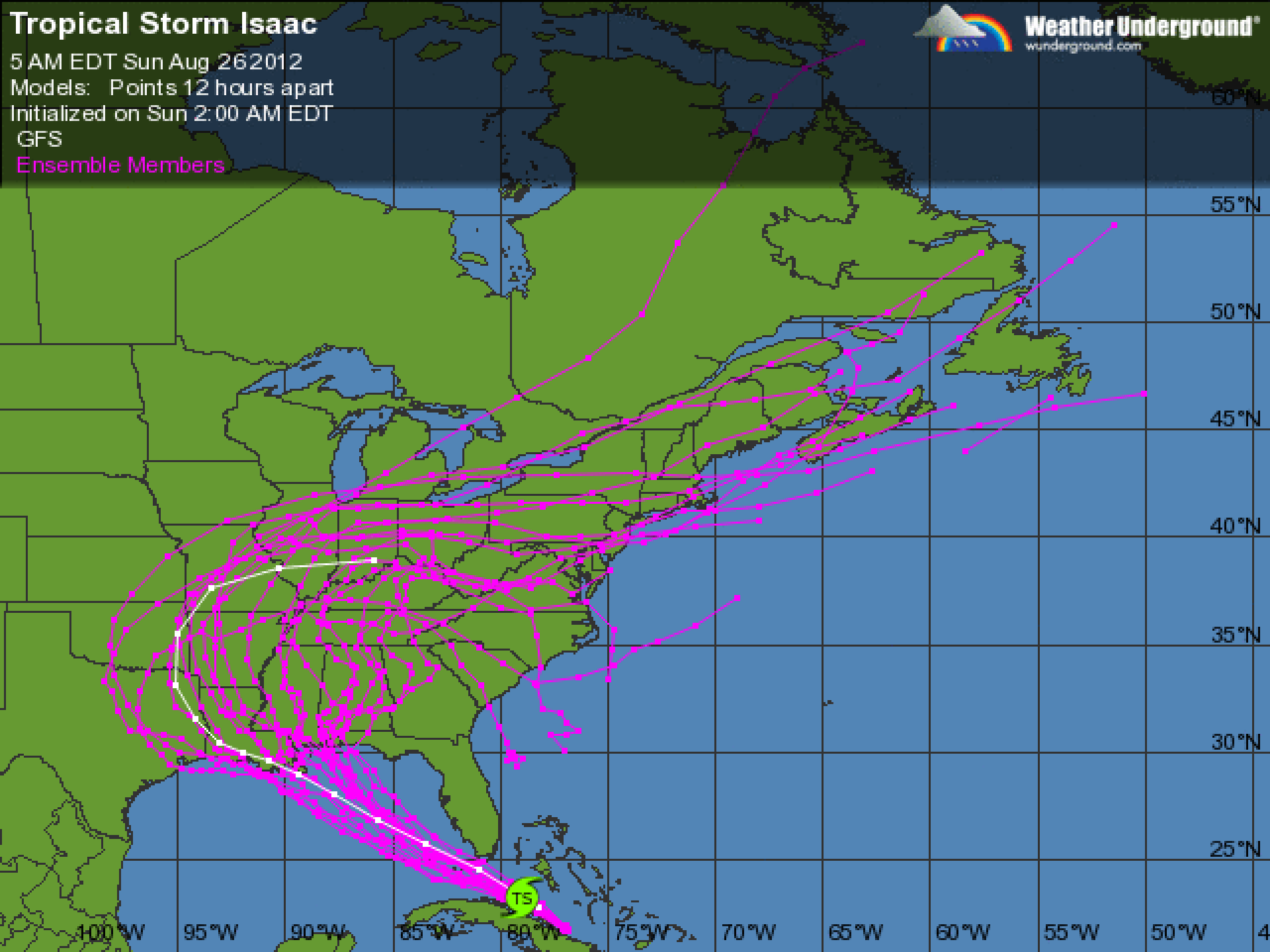
Initialized on Sun 2:00 AM EDT

GFS

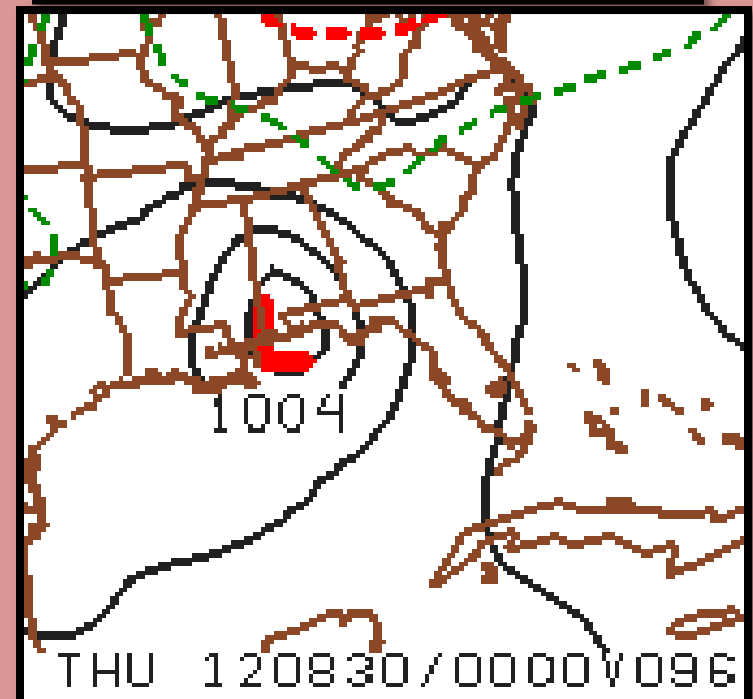
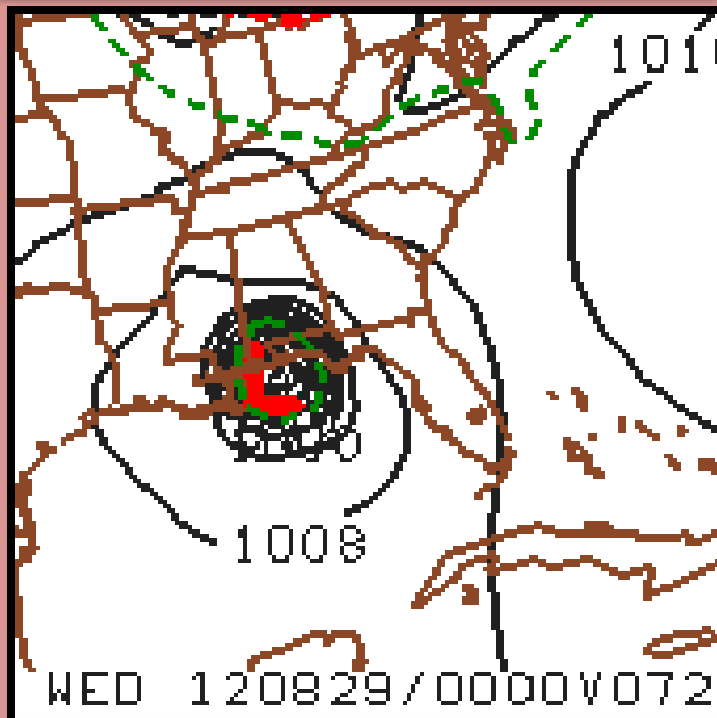
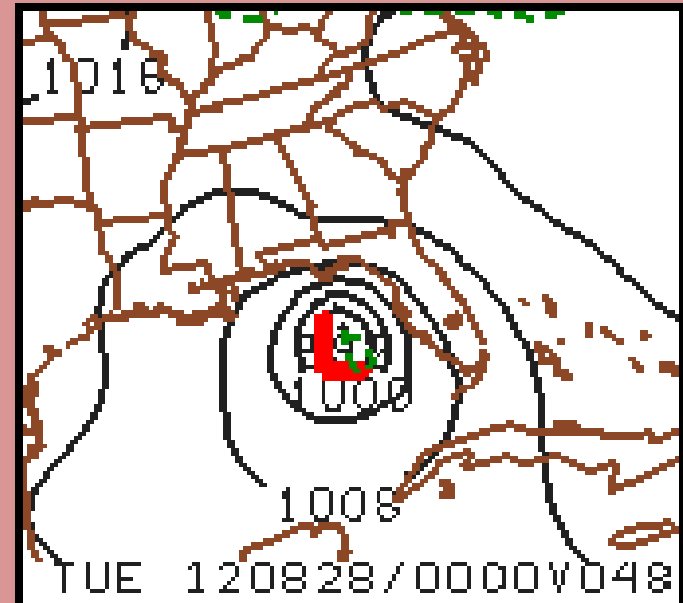
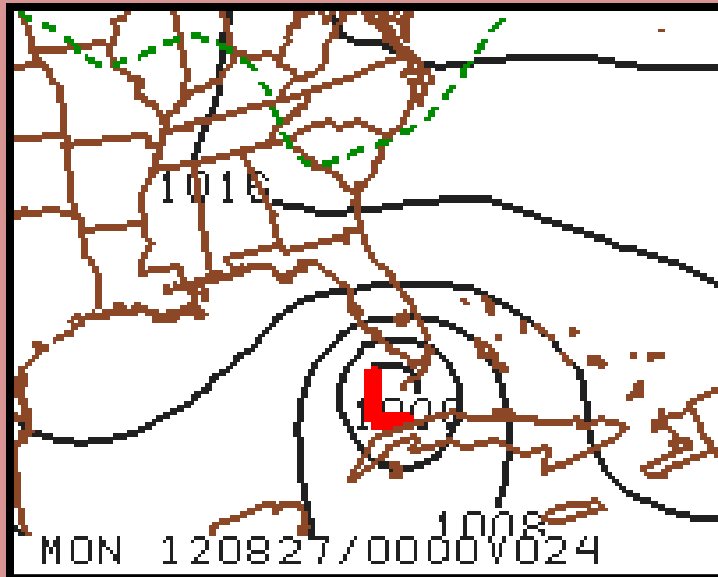
Ensemble Members



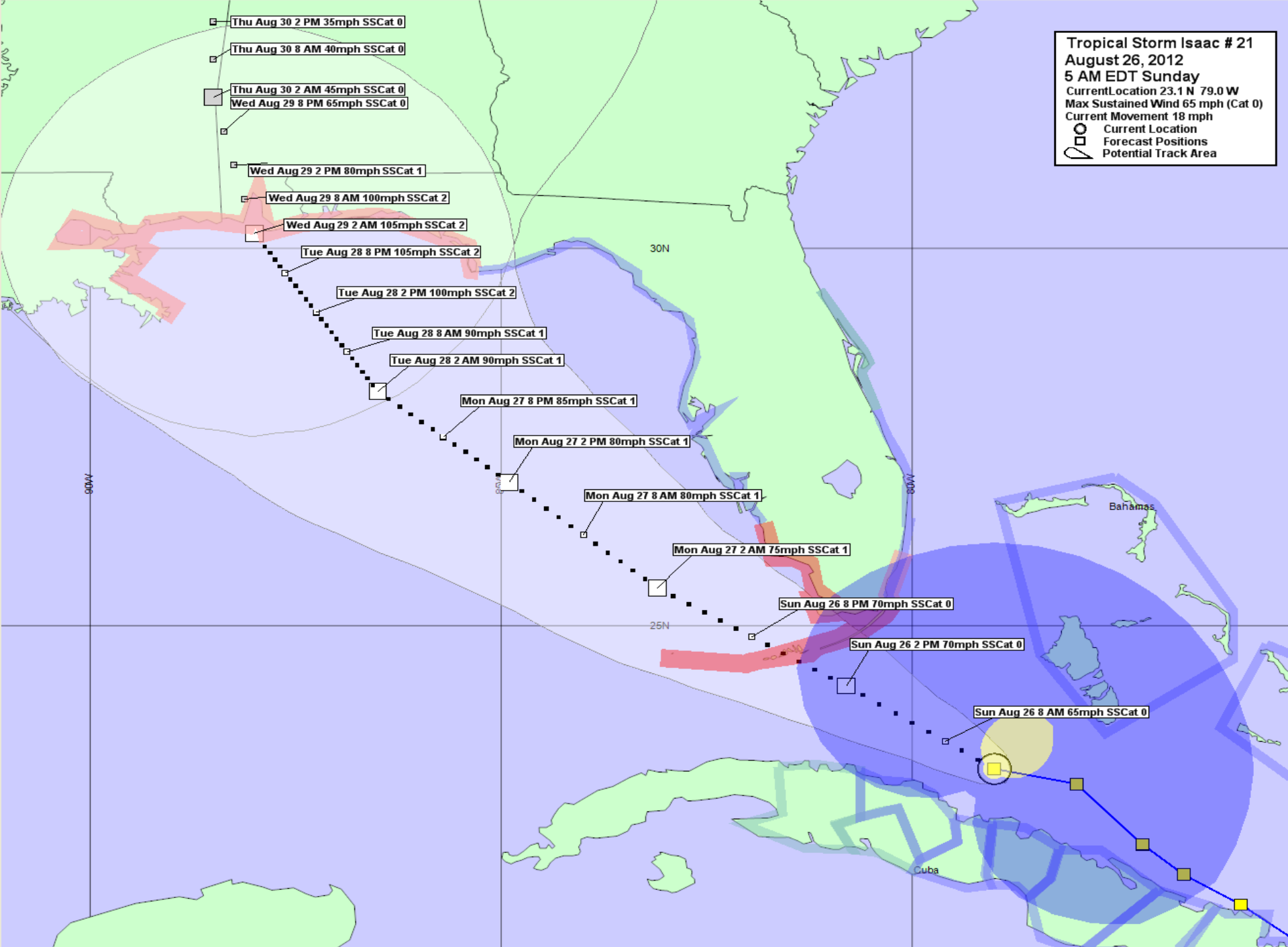
Weather Underground®
wunderground.com



European Model (ECMWF)



Tropical Storm Isaac # 21
August 26, 2012
5 AM EDT Sunday
Current Location 23.1 N 79.0 W
Max Sustained Wind 65 mph (Cat 0)
Current Movement 18 mph
○ Current Location
□ Forecast Positions
Potential Track Area



Hurricane Warning

Hurricane Watch

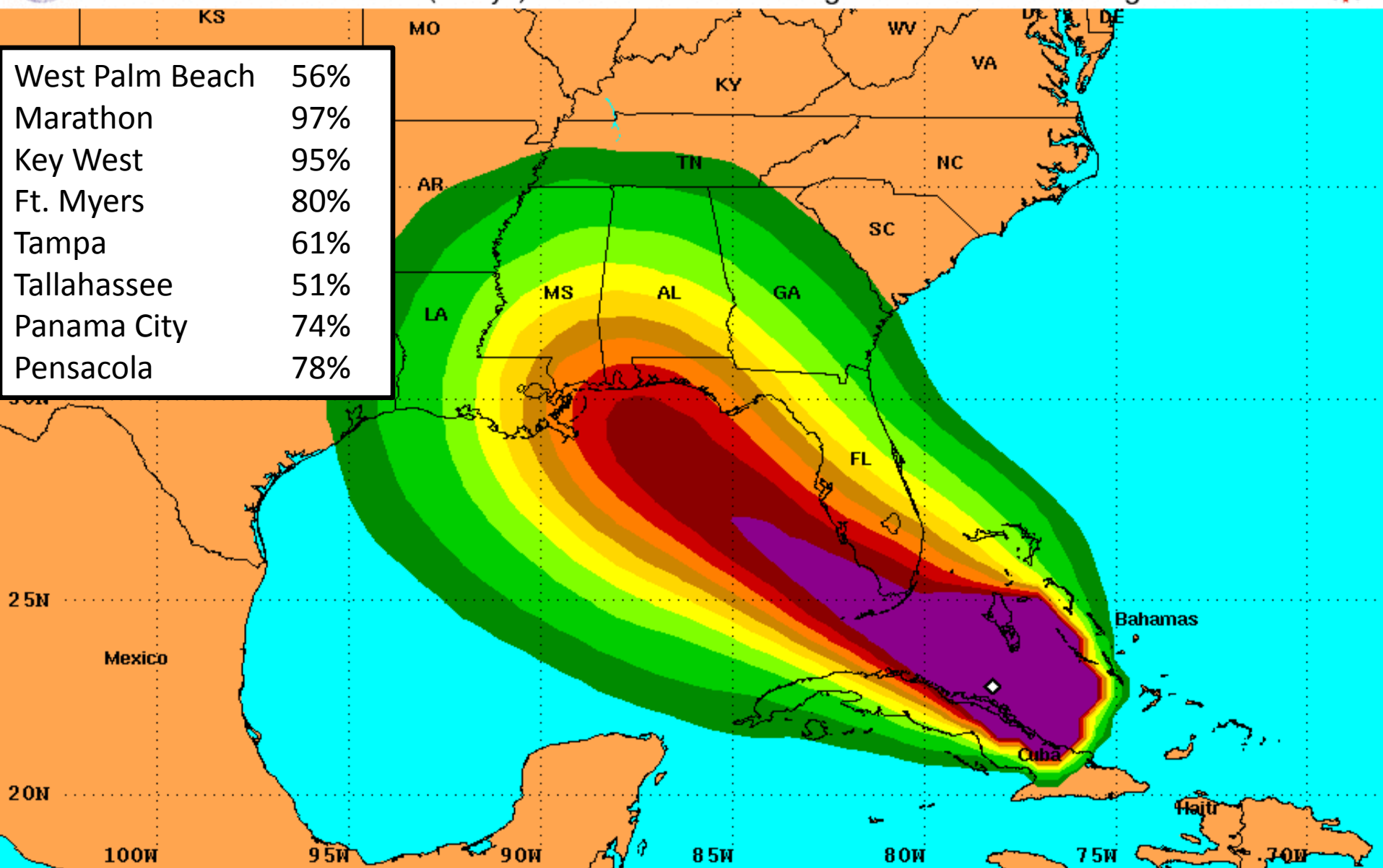
Trop. Storm Warning

Trop. Storm Watch



Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Sun Aug 26 to 2 AM EDT Fri Aug 31



West Palm Beach	56%
Marathon	97%
Key West	95%
Ft. Myers	80%
Tampa	61%
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 2 AM EDT Sun Aug 26 2012 (Forecast/Advisory #21)

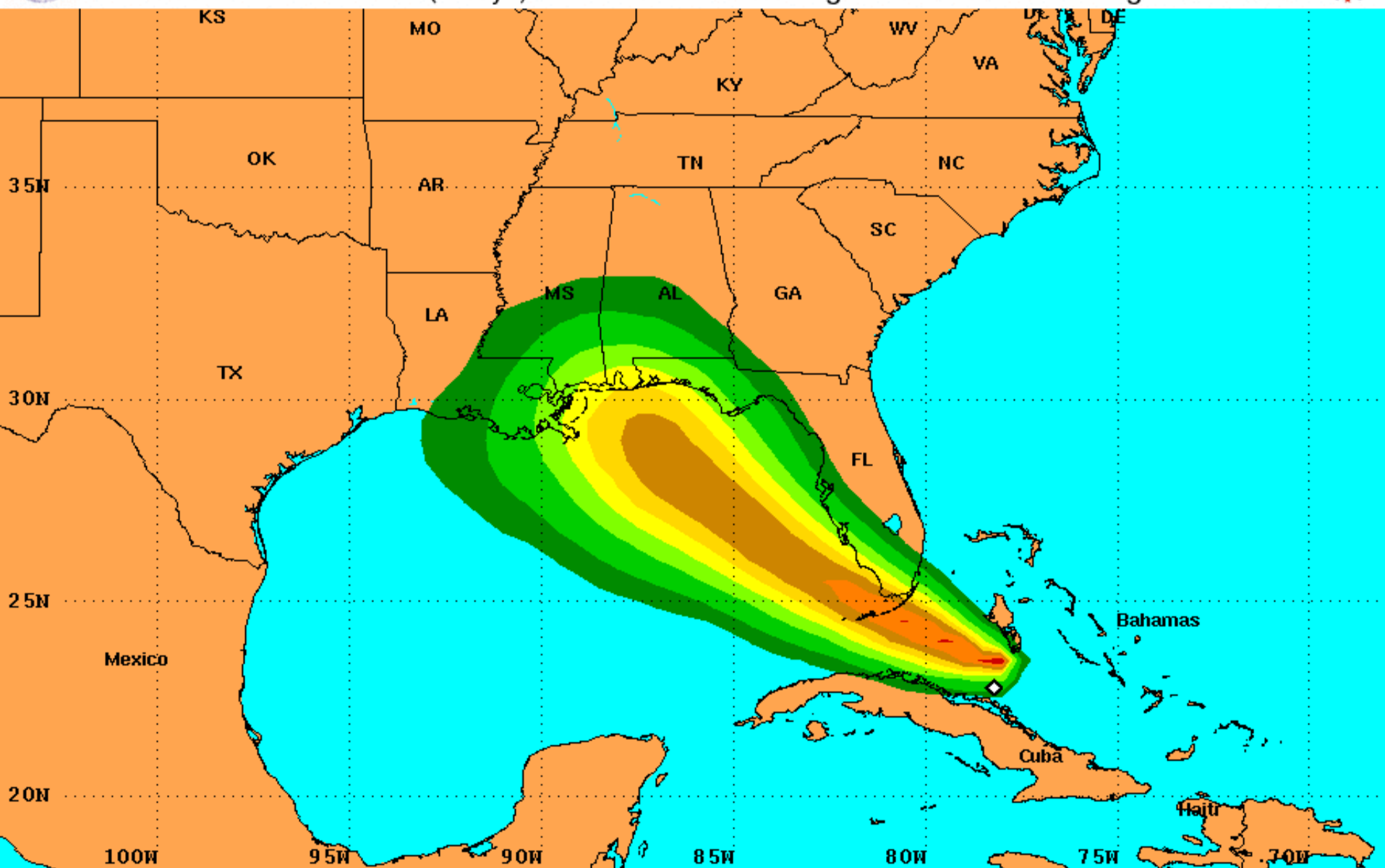




50-knot Wind Speed Probabilities



For the 120 hours (5 days) from 2 AM EDT Sun Aug 26 to 2 AM EDT Fri Aug 31



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

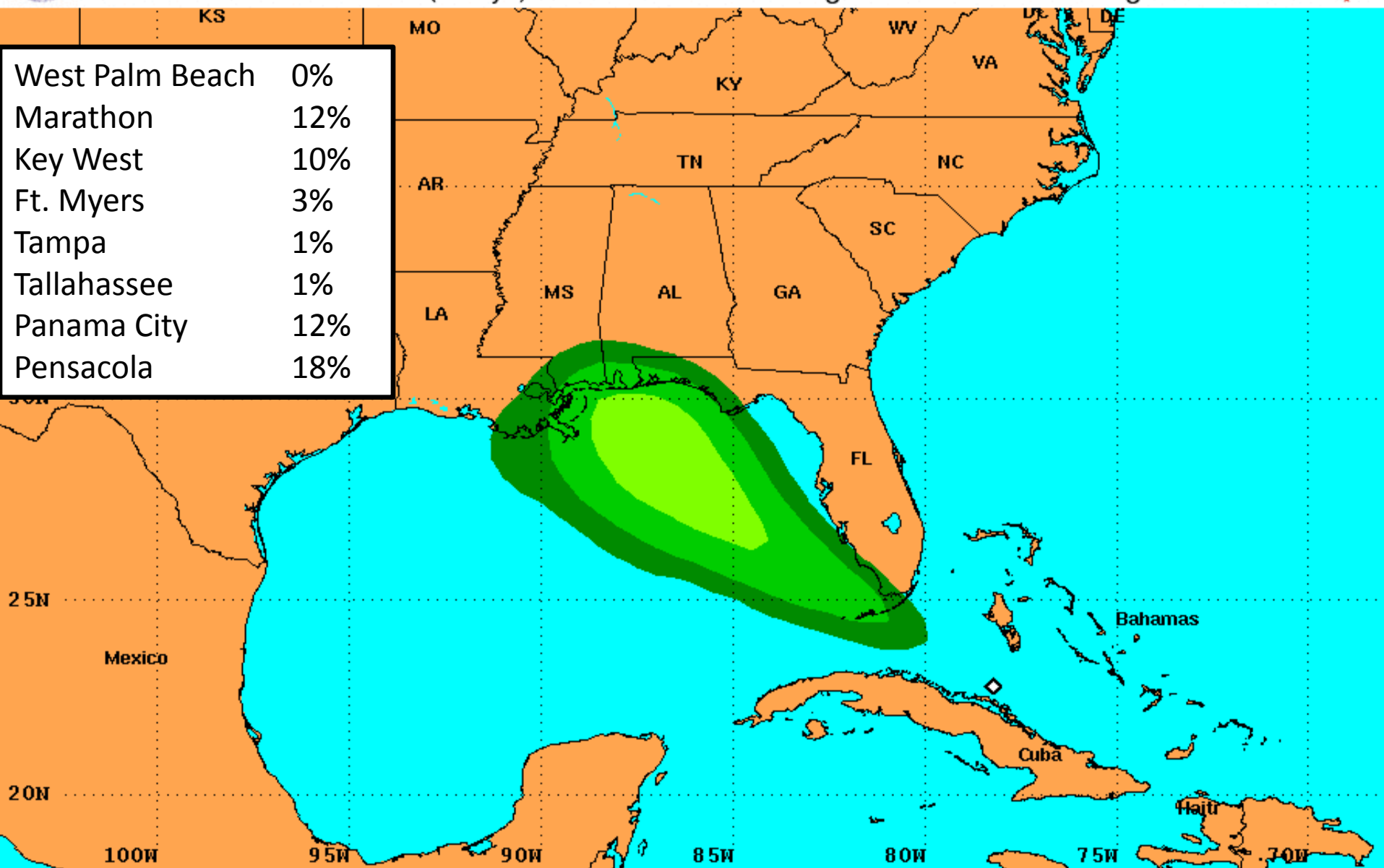
◇ indicates TROPICAL STORM ISAAC center location at 2 AM EDT Sun Aug 26 2012 (Forecast/Advisory #21)





Hurricane Force Wind Speed Probabilities

For the 120 hours (5 days) from 2 AM EDT Sun Aug 26 to 2 AM EDT Fri Aug 31

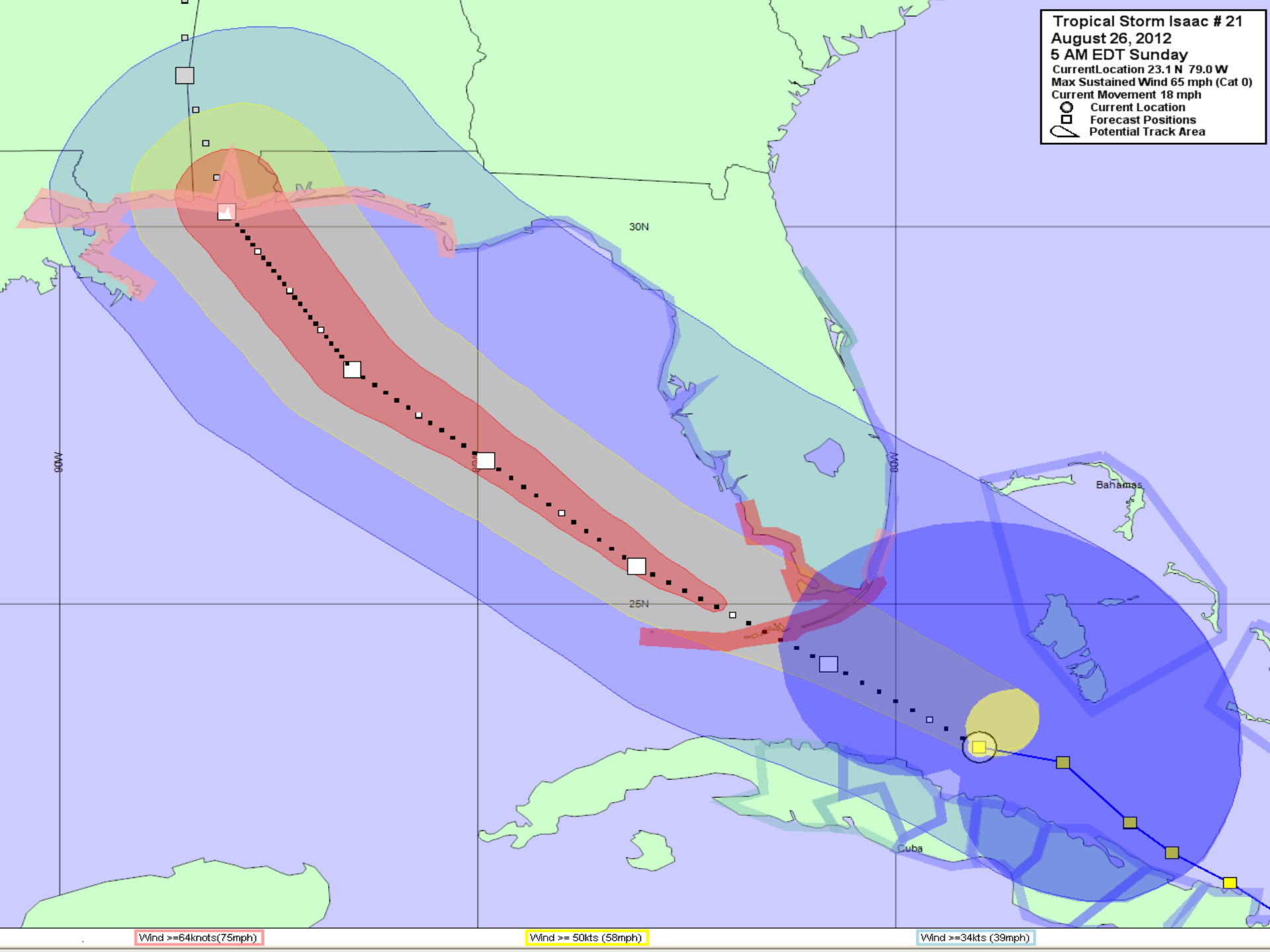


Probability of hurricane force surface winds (1-minute average ≥ 74 mph) from all tropical cyclones

◇ indicates TROPICAL STORM ISAAC center location at 2 AM EDT Sun Aug 26 2012 (Forecast/Advisory #21)



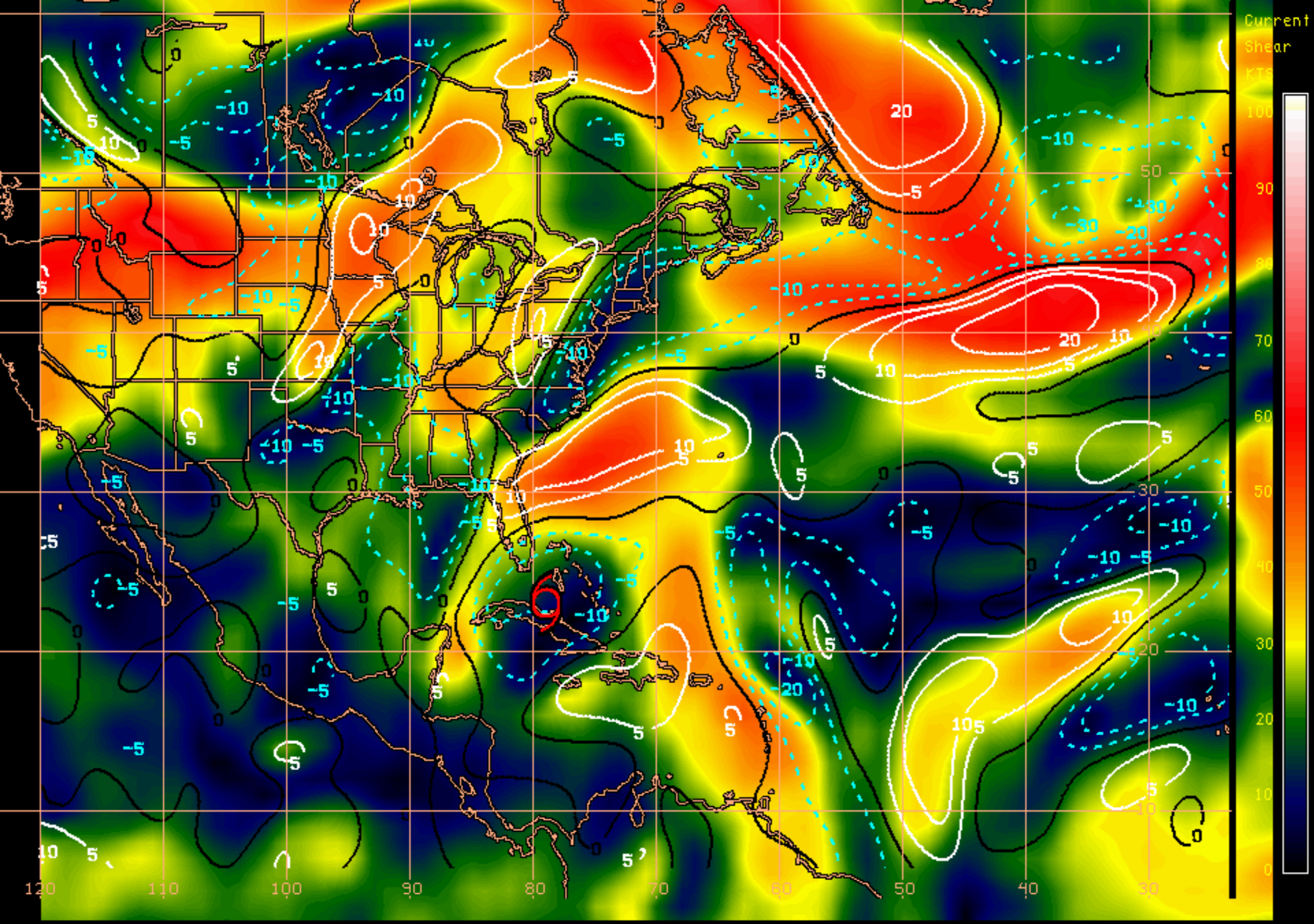
Tropical Storm Isaac # 21
August 26, 2012
5 AM EDT Sunday
Current Location 23.1 N 79.0 W
Max Sustained Wind 65 mph (Cat 0)
Current Movement 18 mph
○ Current Location
□ Forecast Positions
Potential Track Area



Wind \geq 64 knots (75 mph)

Wind \geq 50 kts (58 mph)

Wind \geq 34 kts (39 mph)



Current
Shear
KTS

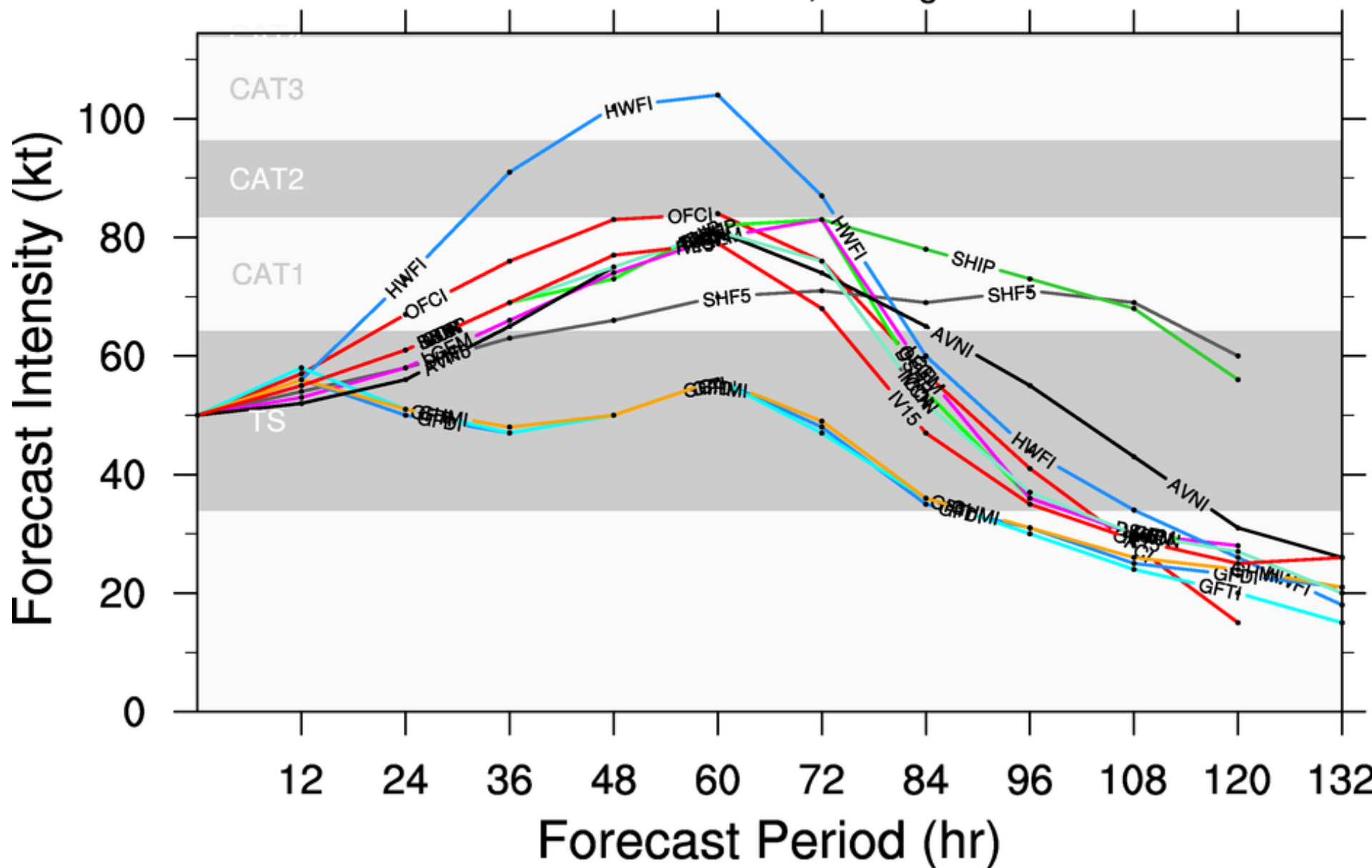
100
90
80
70
60
50
40
30
20
10
0

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

TROPICAL STORM ISAAC (AL09)

Early-cycle intensity guidance

initialized at 0600 UTC, 26 August 2012





Intensity (Maximum Wind Speed) Probability Table
Tropical Storm Isaac Advisory Number 21
5:00 AM EDT Aug 26 2012



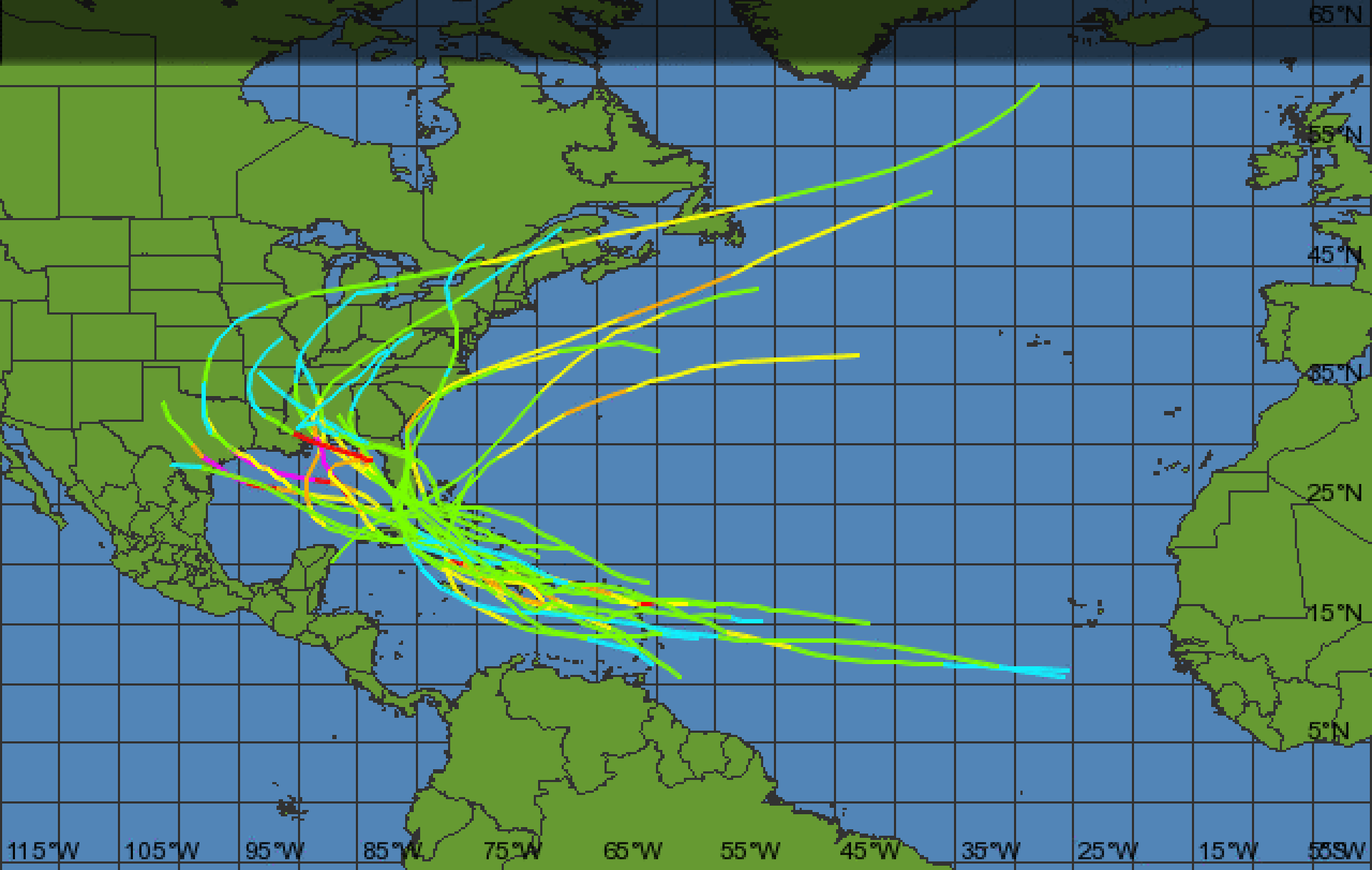
Wind Range (mph)	Forecast Time						
	12 hour for 2 PM Sun	24 hour for 2 AM Mon	36 hour for 2 PM Mon	48 hour for 2 AM Tue	72 hour for 2 AM Wed	96 hour for 2 AM Thu	120 hour for 2 AM Fri
Dissipated	<1%	<1%	1%	1%	13%	32%	61%
Tropical Depression (<39)	2%	2%	2%	2%	20%	29%	22%
Tropical Storm (39-73)	74%	57%	44%	30%	31%	25%	7%
Hurricane (all categories)	25%	41%	53%	67%	36%	13%	10%
-- Category 1 (74-95)	23%	35%	42%	42%	21%	8%	4%
-- Category 2 (96-110)	1%	4%	8%	17%	10%	3%	3%
-- Category 3 (111-130)	1%	1%	3%	7%	4%	2%	2%
-- Category 4 (131-155)	<1%	<1%	1%	1%	1%	1%	<1%
-- Category 5 (>155)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Forecast Maximum Wind	70 mph	75 mph	80 mph	90 mph	105 mph	45 mph	30 mph

Tropical Storm Isaac

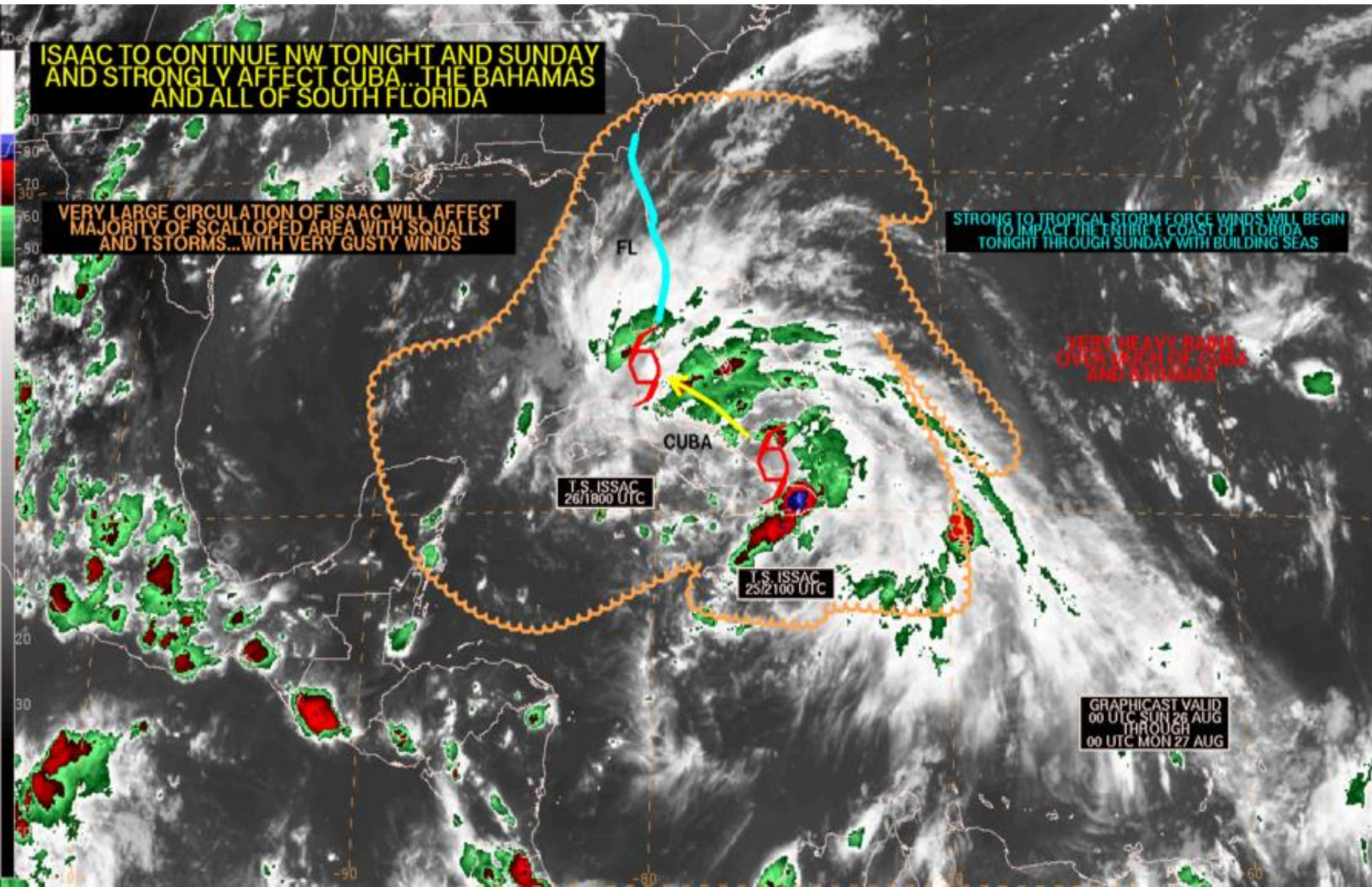
Tracks of all August
Tropical Storms
Within 2 degrees of Isaac
Between 1851 and 2011

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



Report for Tropical Storm Isaac

Based on Advisory 21 Issued 08/26/12 5AM EDT

Wind Timing for Local Areas Only (44 Items)



Location	34kt(39mph)	50kt(58mph)	64kt(74mph)	64ktEND(dur)	50ktEND(dur)	34ktEND(dur)	Peak Wind
FL Dade	Existing	08/26 17E			08/26 19E [02]	08/27 08E [27]	50kt 08/26 17E
FL Monroe	Existing	08/26 14E			08/26 23E [09]	08/27 10E [29]	60kt 08/26 18E
FL Broward	08/26 06E					08/27 08E [26]	45kt 08/26 18E
FL Collier	08/26 07E					08/27 13E [30]	49kt 08/26 21E
FL Palm Beach	08/26 08E					08/27 08E [24]	42kt 08/26 18E
FL Hendry	08/26 09E					08/27 12E [27]	45kt 08/26 20E
FL Lee	08/26 11E					08/27 15E [28]	46kt 08/26 22E
FL Glades	08/26 12E					08/27 12E [24]	42kt 08/26 21E
FL Charlotte	08/26 13E					08/27 17E [28]	45kt 08/27 01E
FL Martin	08/26 13E					08/27 07E [18]	38kt 08/26 19E
FL Highlands	08/26 14E					08/27 12E [22]	41kt 08/26 23E
FL Okeechobee	08/26 14E					08/27 08E [18]	38kt 08/26 20E
FL Desoto	08/26 14E					08/27 15E [25]	43kt 08/27 02E
FL St Lucie	08/26 15E					08/27 04E [13]	36kt 08/26 19E
FL Sarasota	08/26 15E					08/27 19E [28]	45kt 08/27 04E
FL Manatee	08/26 16E					08/27 20E [28]	43kt 08/27 05E
FL Hardee	08/26 16E					08/27 15E [23]	41kt 08/27 03E
FL Hillsborough	08/26 19E					08/27 19E [24]	41kt 08/27 05E
FL Polk	08/26 19E					08/27 15E [20]	39kt 08/27 02E
FL Osceola	08/26 19E					08/27 07E [12]	35kt 08/26 21E
FL Pinellas	08/26 20E					08/27 21E [25]	42kt 08/27 06E
FL Indian River	08/26 20E					08/27 01E [05]	34kt 08/26 20E
FL Pasco	08/27 00E					08/27 20E [20]	39kt 08/27 08E
FL Hernando	08/27 02E					08/27 18E [16]	37kt 08/27 07E
FL Sumter	08/27 03E					08/27 12E [09]	35kt 08/27 05E
FL Lake	08/27 04E					08/27 12E [08]	35kt 08/27 07E

FL Glades	08/26 12E					08/27 12E [24]	42kt 08/26 21E
FL Charlotte	08/26 13E					08/27 17E [28]	45kt 08/27 01E
FL Martin	08/26 13E					08/27 07E [18]	38kt 08/26 19E
FL Highlands	08/26 14E					08/27 12E [22]	41kt 08/26 23E
FL Okeechobee	08/26 14E					08/27 08E [18]	38kt 08/26 20E
FL Desoto	08/26 14E					08/27 15E [25]	43kt 08/27 02E
FL St Lucie	08/26 15E					08/27 04E [13]	36kt 08/26 19E
FL Sarasota	08/26 15E					08/27 19E [28]	45kt 08/27 04E
FL Manatee	08/26 16E					08/27 20E [28]	43kt 08/27 05E
FL Hardee	08/26 16E					08/27 15E [23]	41kt 08/27 03E
FL Hillsborough	08/26 19E					08/27 19E [24]	41kt 08/27 05E
FL Polk	08/26 19E					08/27 15E [20]	39kt 08/27 02E
FL Osceola	08/26 19E					08/27 07E [12]	35kt 08/26 21E
FL Pinellas	08/26 20E					08/27 21E [25]	42kt 08/27 06E
FL Indian River	08/26 20E					08/27 01E [05]	34kt 08/26 20E
FL Pasco	08/27 00E					08/27 20E [20]	39kt 08/27 08E
FL Hernando	08/27 02E					08/27 18E [16]	37kt 08/27 07E
FL Sumter	08/27 03E					08/27 12E [09]	35kt 08/27 05E
FL Lake	08/27 04E					08/27 12E [08]	35kt 08/27 07E
FL Citrus	08/27 06E					08/27 16E [10]	35kt 08/27 07E
FL Levy	08/27 13E					08/27 17E [04]	34kt 08/27 13E
FL Franklin	08/27 14E					08/29 02E [36]	43kt 08/28 06E
FL Gulf	08/27 15E					Continue	44kt 08/28 07E
FL Wakulla	08/27 17E					08/28 16E [23]	37kt 08/28 04E
FL Liberty	08/27 17E					08/29 02E [33]	40kt 08/28 04E
FL Bay	08/27 17E					Continue	45kt 08/28 12E
FL Calhoun	08/27 19E					Continue	41kt 08/28 08E
FL Walton	08/27 20E					Continue	49kt 08/28 19E
FL Leon	08/27 21E					08/28 15E [18]	36kt 08/28 03E
FL Okaloosa	08/27 22E	08/28 16E			Continue	Continue	55kt 08/28 21E
FL Washington	08/27 22E					Continue	44kt 08/28 19E
FL Gadsden	08/27 23E					08/28 16E [17]	35kt 08/28 02E
FL Santa Rosa	08/27 23E	08/28 15E			Continue	Continue	63kt 08/28 23E
FL Jackson	08/28 00E					Continue	39kt 08/28 12E
FL Holmes	08/28 00E					Continue	43kt 08/28 16E
FL Escambia	08/28 00E	08/28 15E	08/28 22E	Continue	Continue	Continue	69kt 08/29 00E

Flooding Potential

**15 to 20
inches**



**10 to 15
inches**

"Locally higher amounts up to 25" possible"

Storm Surge + Tide Forecast

Around 9 feet
Around 6 feet
Around 3 feet

"Isolated higher amounts in bays and inlets"

Wind Threat

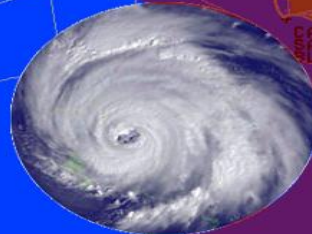
**Tropical Storm Force
Winds Possible**
**Hurricane Force
Winds Possible**



*** Based on the Saturday evenings track forecast.**
**** Hurricane/T.S. Force gusts possible away from shaded areas.**

Tornado Threat

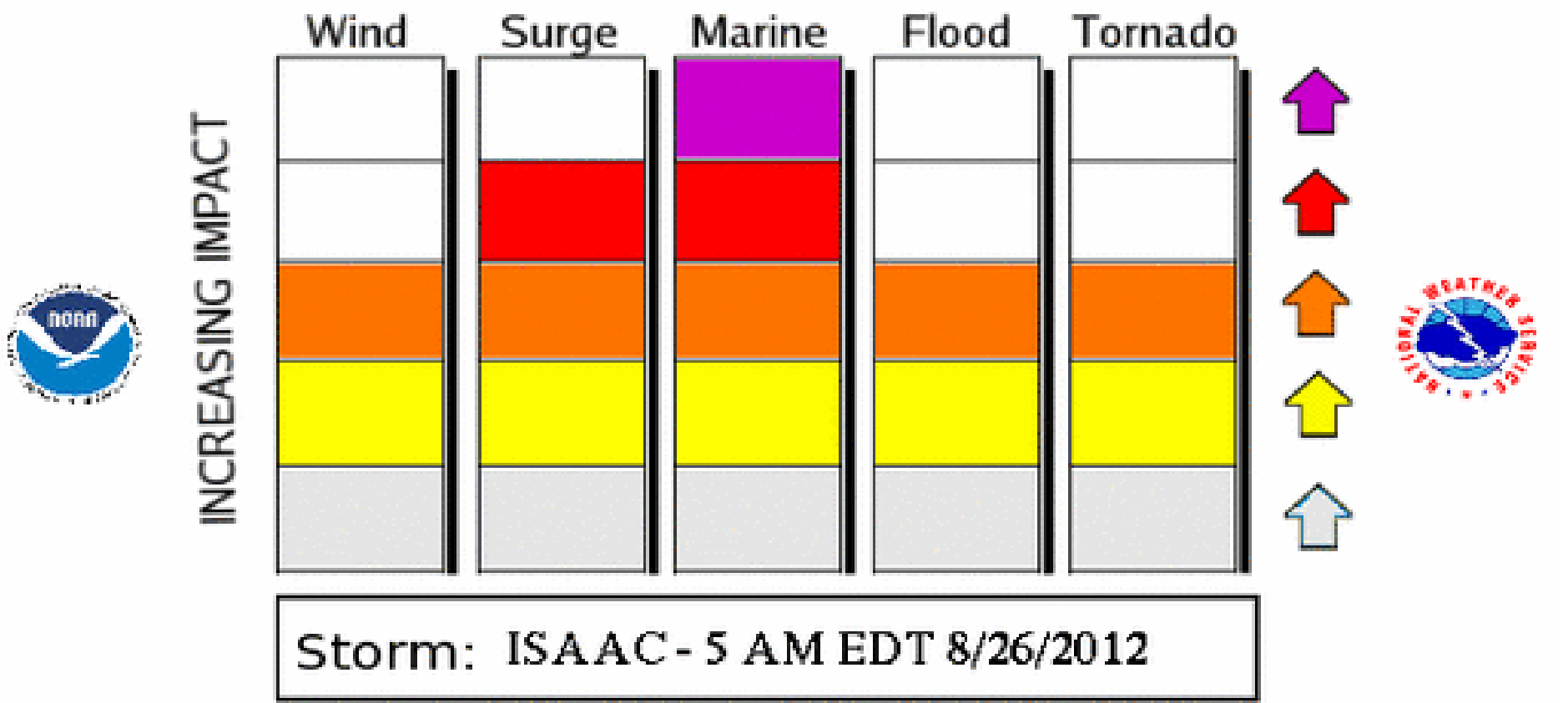
**Isolated Tornadoes
Possible**



927 PM EDT
Sat Aug 25 2012
National Weather Service
Tallahassee, FL

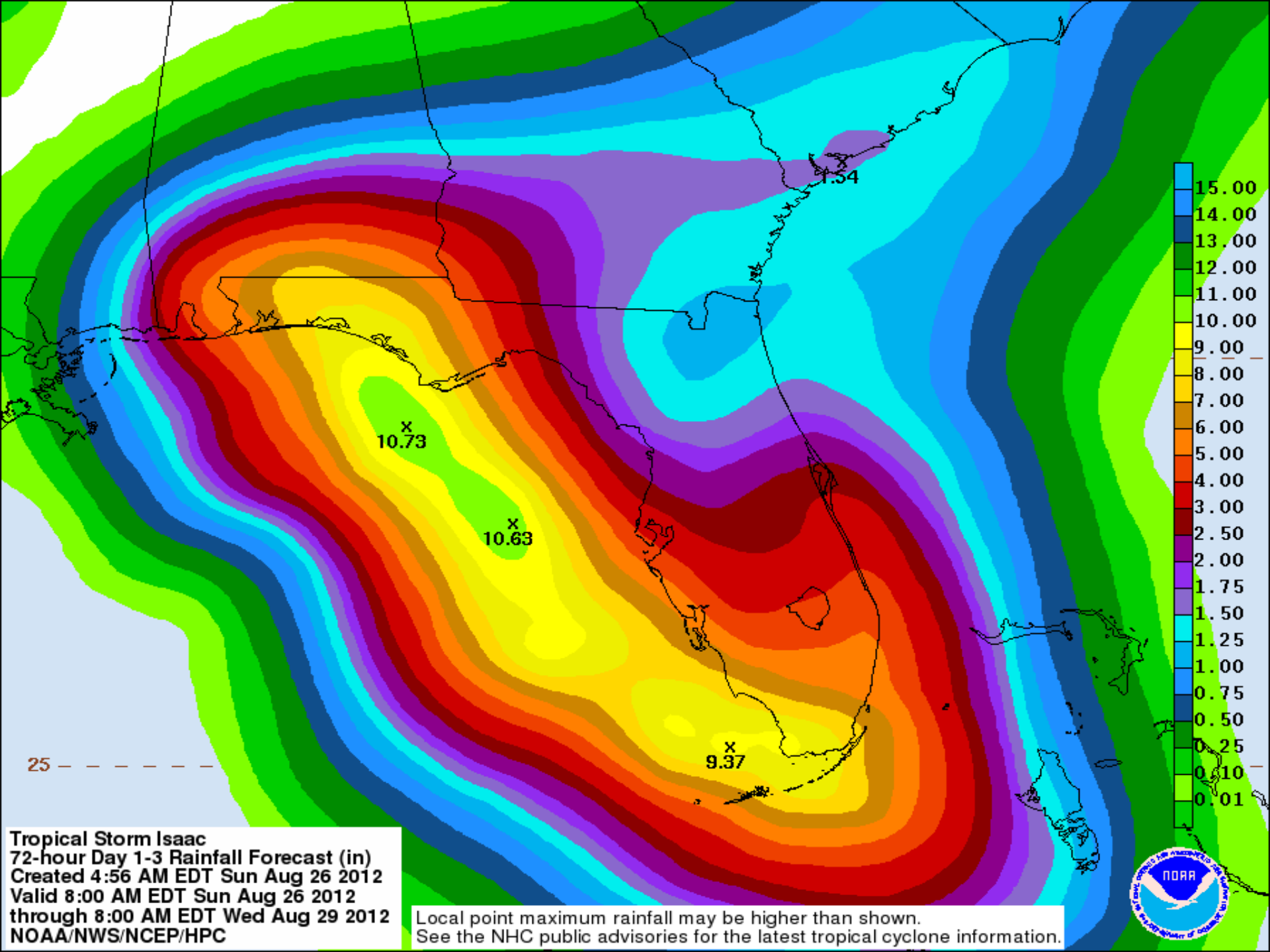
http://w1.weather.gov/tcig/php/tcig_index.php?sid=MFL

Tropical Cyclone Hazards Potential Impacts Specific to South Florida



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



15.00
14.00
13.00
12.00
11.00
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.50
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.10
0.01

25 - - - -

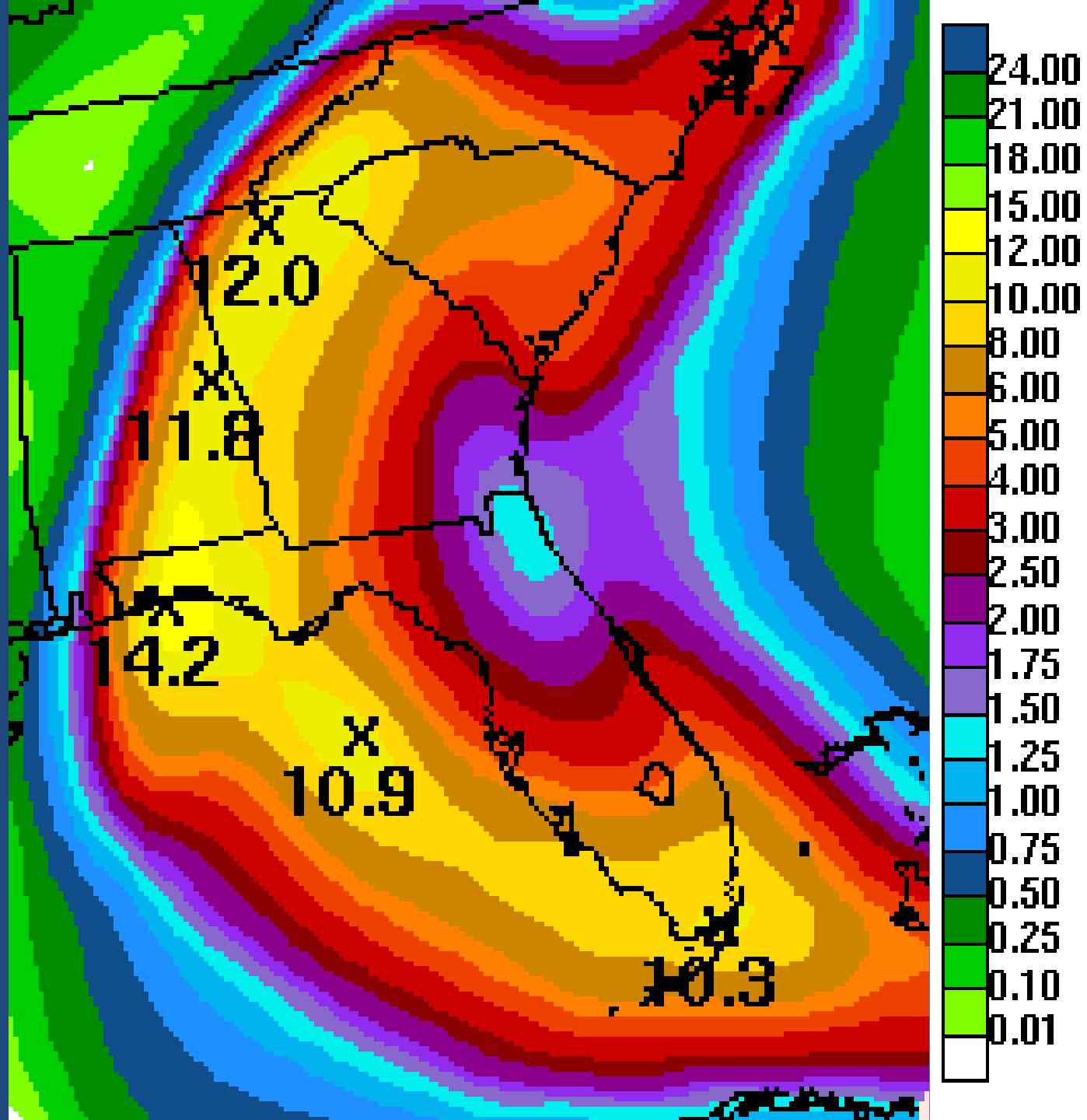
Tropical Storm Isaac
72-hour Day 1-3 Rainfall Forecast (in)
Created 4:56 AM EDT Sun Aug 26 2012
Valid 8:00 AM EDT Sun Aug 26 2012
through 8:00 AM EDT Wed Aug 29 2012
NOAA/NWS/NCEP/HPC

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



*Forecast
Total Rainfall
Accumulation*

*(Saturday
Night
Through
Thursday)*

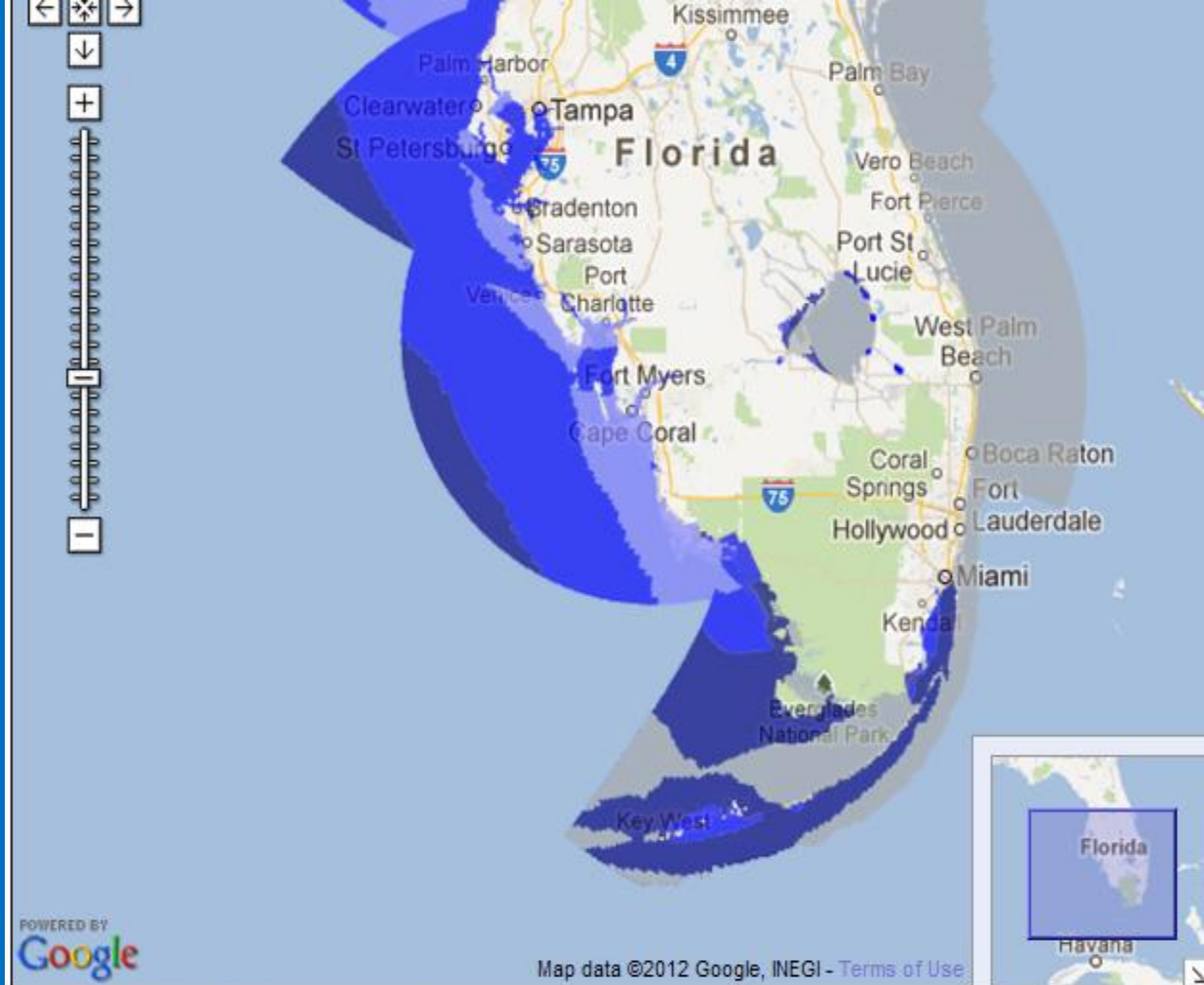


Storm Surge

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

**Tropical Storm
Isaac (2012)
Advisory 21**

**For the 77 hours from 05
AM EDT Sun Aug 26 to
10 AM EDT Wed Aug 29**



Legend

Height above NGVD-29 (feet)

0 to < 2	11 to < 13	23 to < 25
2 to < 3	13 to < 15	25 to < 27
3 to < 5	15 to < 17	27 to < 29
5 to < 7	17 to < 19	29 to < 36
7 to < 9	19 to < 21	
9 to < 11	21 to < 23	

Disclaimer



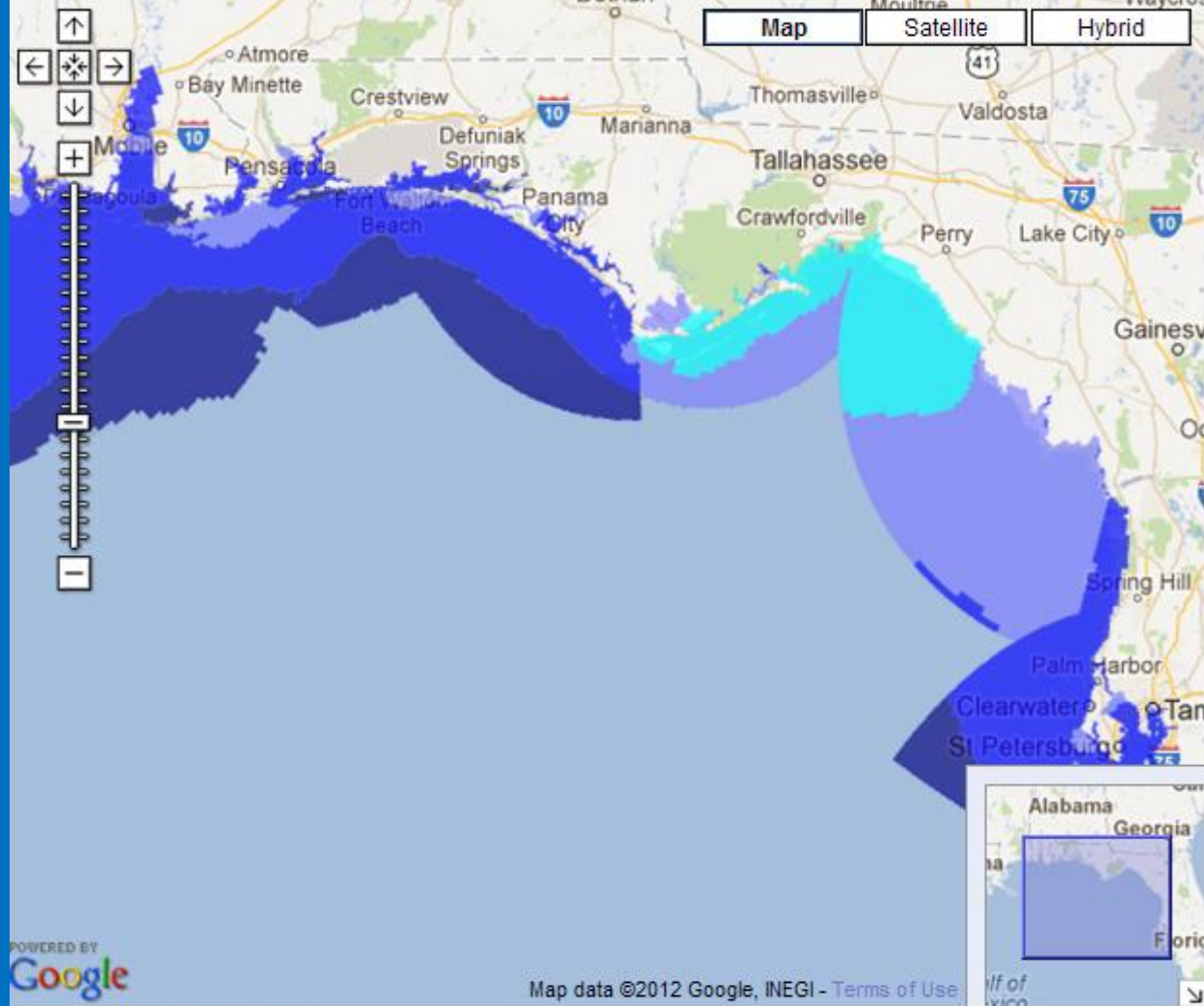
Historical Data:
NHC this storm
NHC all storms
MDL

Storm Surge

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

**Tropical Storm Isaac
(2012) Advisory 21**

**For the 77 hours from
05 AM EDT Sun Aug
26 to 10 AM EDT
Wed Aug 29**



lat: 28.3141 Lon: -85.3418

Legend

Height above NGVD-29 (feet)

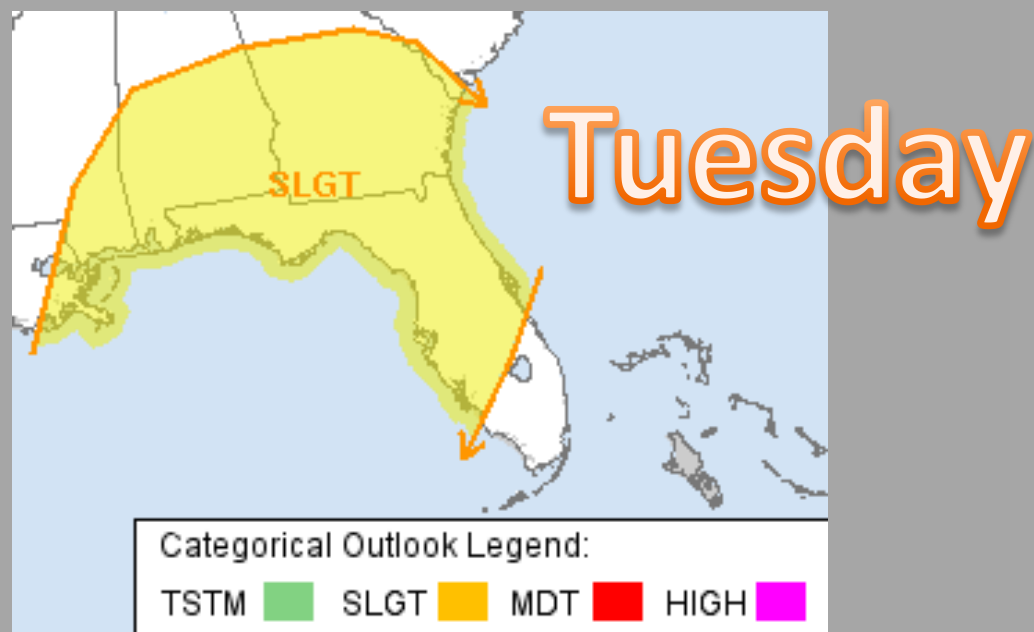
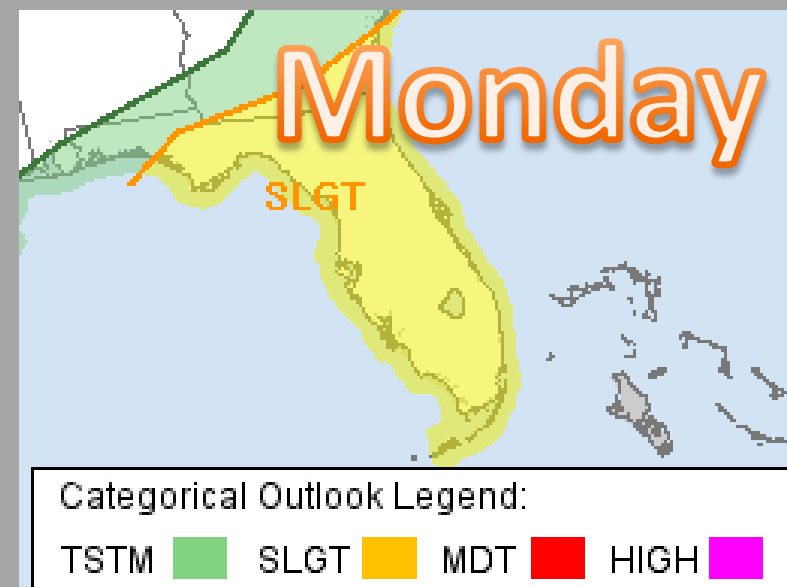
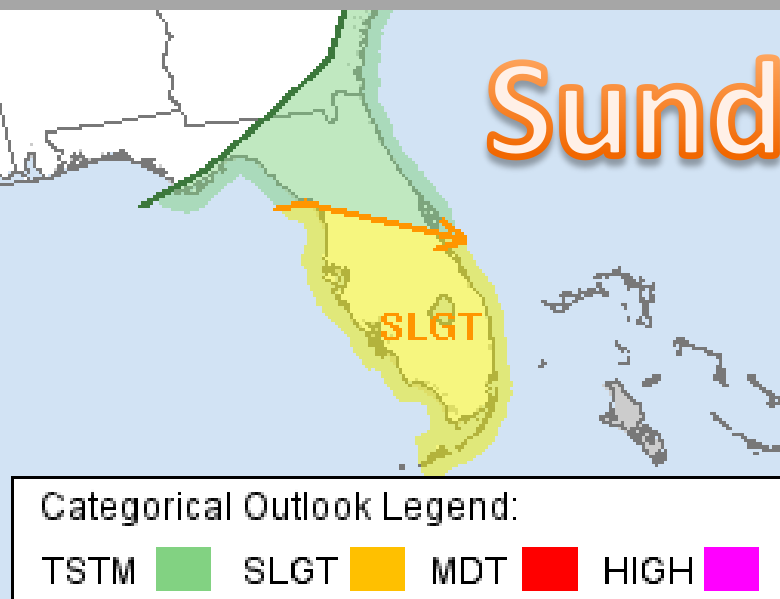
0 to < 2	11 to < 13	23 to < 25
2 to < 3	13 to < 15	25 to < 27
3 to < 5	15 to < 17	27 to < 29
5 to < 7	17 to < 19	29 to < 36
7 to < 9	19 to < 21	
9 to < 11	21 to < 23	

Disclaimer



Historical Data:
NHC this storm
NHC all storms
MDL

Risk of Severe Weather - Tornadoes





Graphical Tropical Weather Outlook

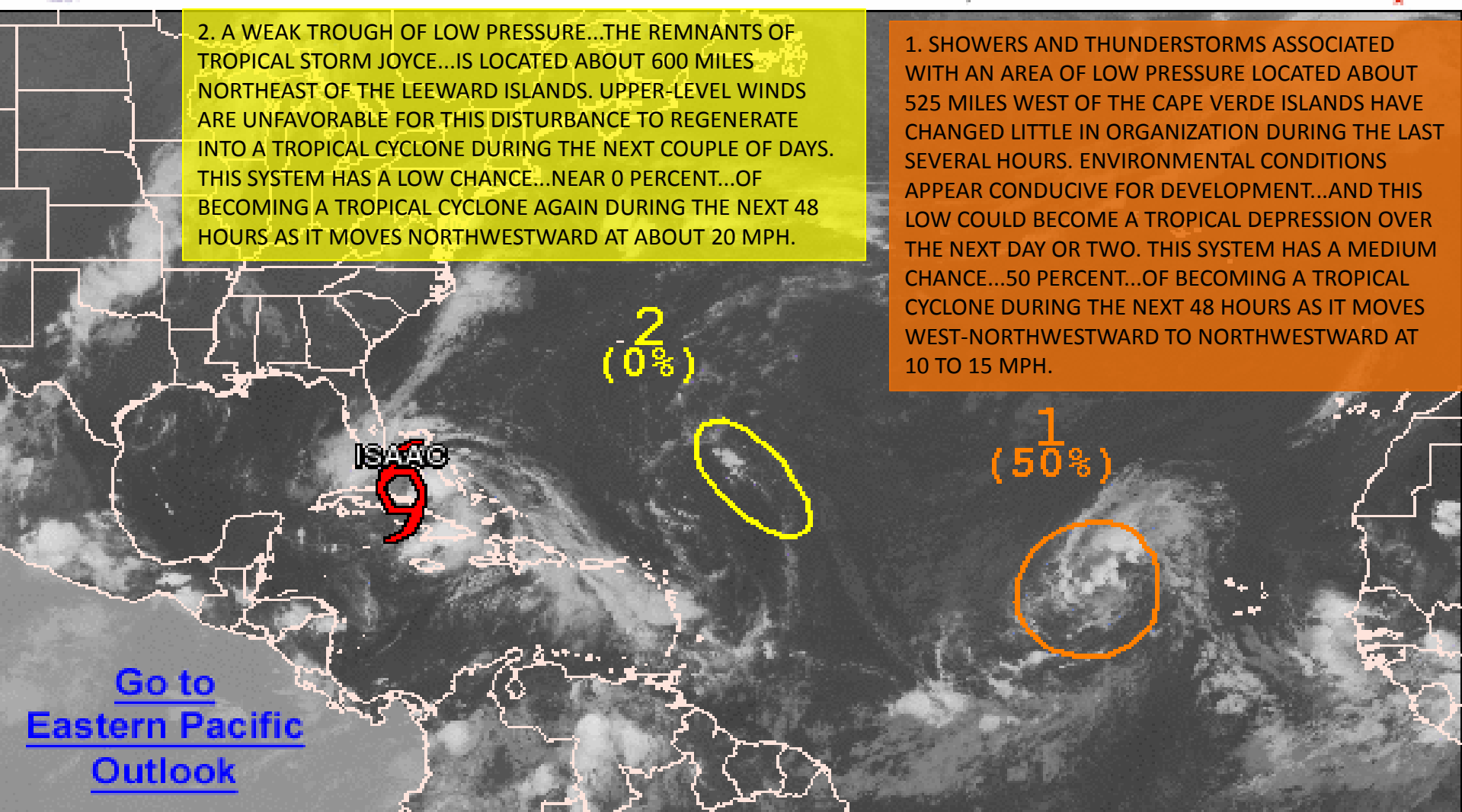
National Hurricane Center

Miami, Florida



2. A WEAK TROUGH OF LOW PRESSURE...THE REMNANTS OF TROPICAL STORM JOYCE...IS LOCATED ABOUT 600 MILES NORTHEAST OF THE LEEWARD ISLANDS. UPPER-LEVEL WINDS ARE UNFAVORABLE FOR THIS DISTURBANCE TO REGENERATE INTO A TROPICAL CYCLONE DURING THE NEXT COUPLE OF DAYS. THIS SYSTEM HAS A LOW CHANCE...NEAR 0 PERCENT...OF BECOMING A TROPICAL CYCLONE AGAIN DURING THE NEXT 48 HOURS AS IT MOVES NORTHWESTWARD AT ABOUT 20 MPH.

1. SHOWERS AND THUNDERSTORMS ASSOCIATED WITH AN AREA OF LOW PRESSURE LOCATED ABOUT 525 MILES WEST OF THE CAPE VERDE ISLANDS HAVE CHANGED LITTLE IN ORGANIZATION DURING THE LAST SEVERAL HOURS. ENVIRONMENTAL CONDITIONS APPEAR CONDUCIVE FOR DEVELOPMENT...AND THIS LOW COULD BECOME A TROPICAL DEPRESSION OVER THE NEXT DAY OR TWO. THIS SYSTEM HAS A MEDIUM CHANCE...50 PERCENT...OF BECOMING A TROPICAL CYCLONE DURING THE NEXT 48 HOURS AS IT MOVES WEST-NORTHWESTWARD TO NORTHWESTWARD AT 10 TO 15 MPH.



[Go to
Eastern Pacific
Outlook](#)

200 AM EDT SUN AUG 26 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.

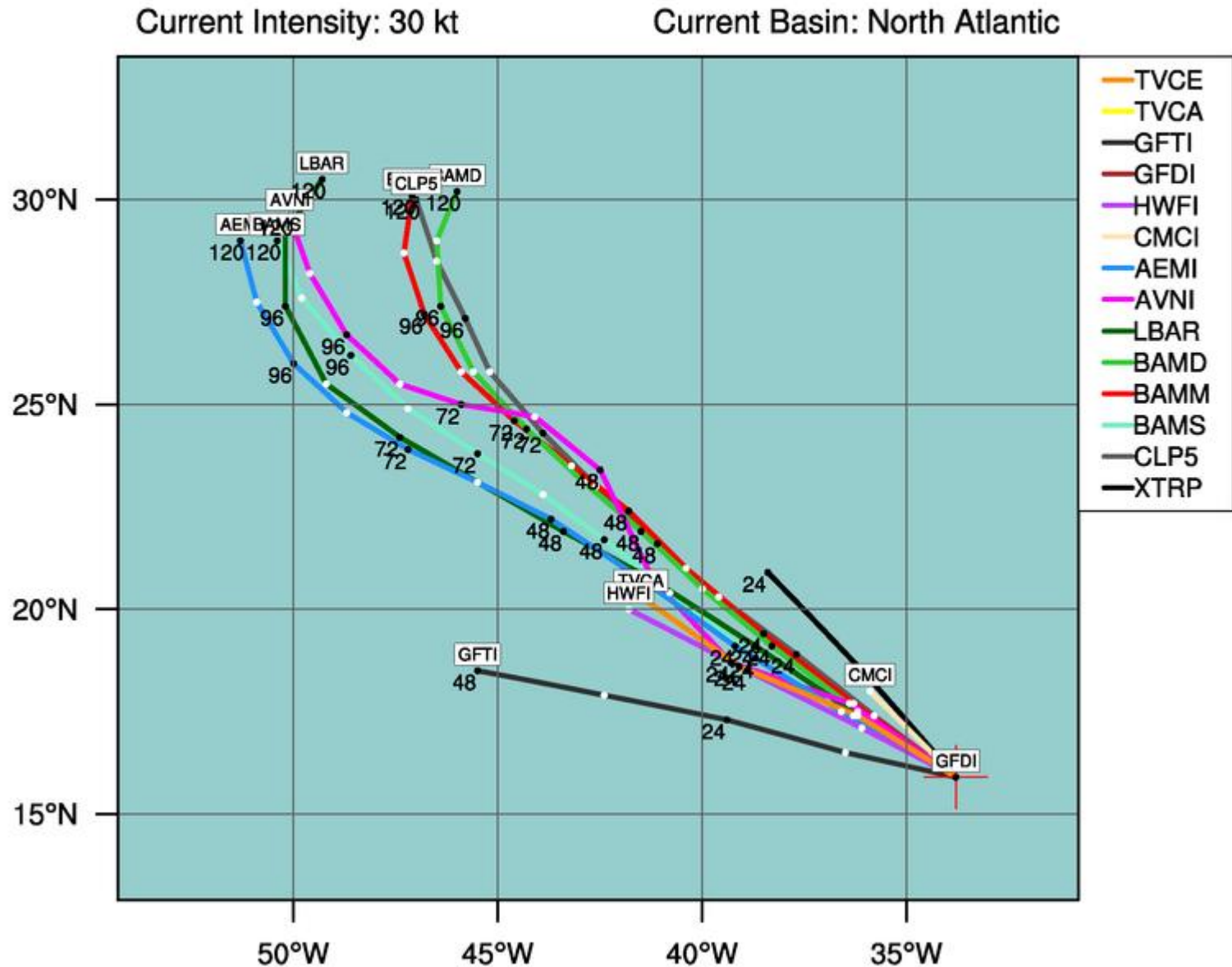
 Low <30%

 Medium 30-50%

 High >50%

DISTURBANCE INVEST (AL97)

Early-cycle track guidance initialized at 0600 UTC, 26 August 2012

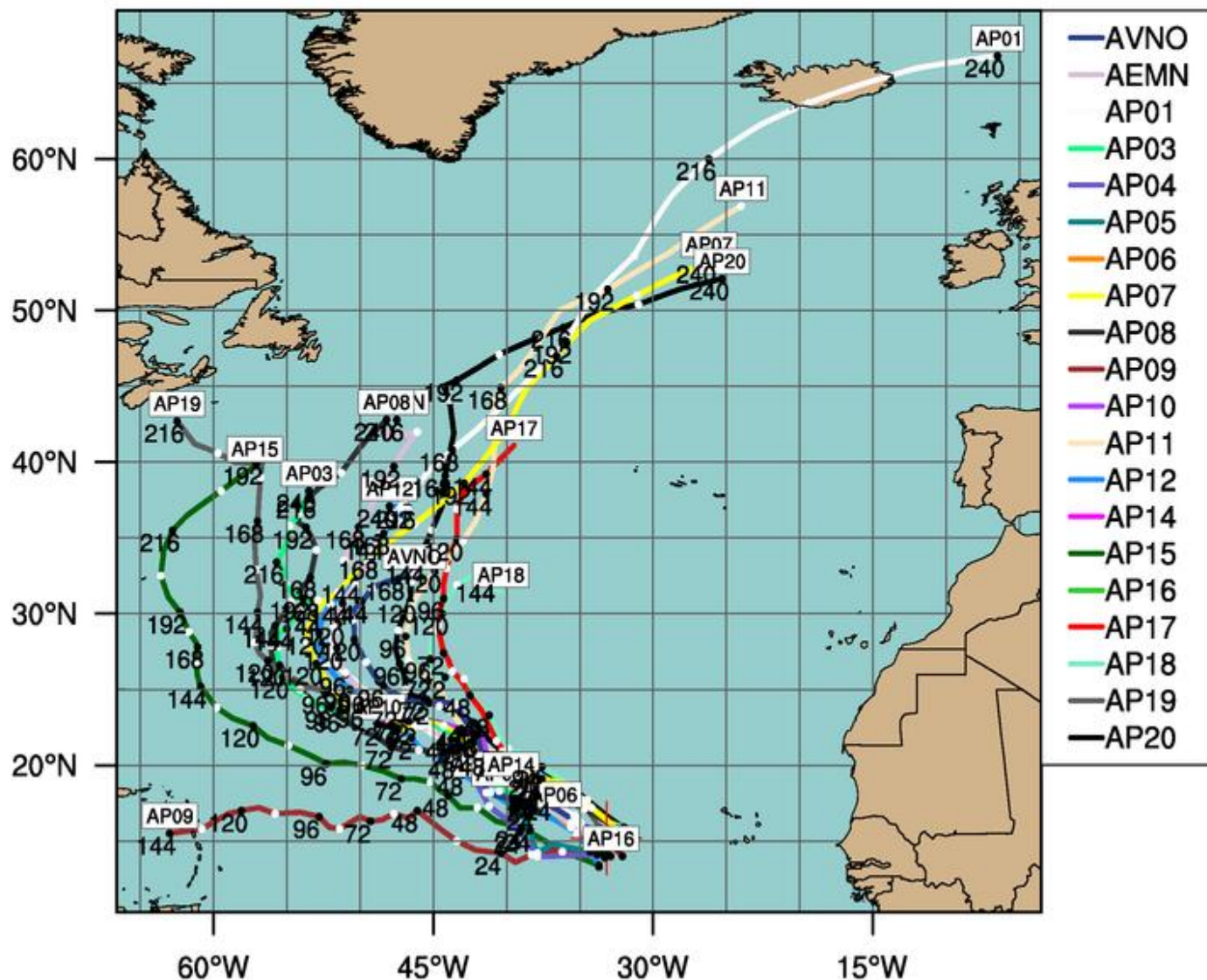


DISTURBANCE INVEST (AL97)

NCEP GFS Ensemble track guidance initialized at 0000 UTC, 26 August 2012

Current Intensity: 30 kt

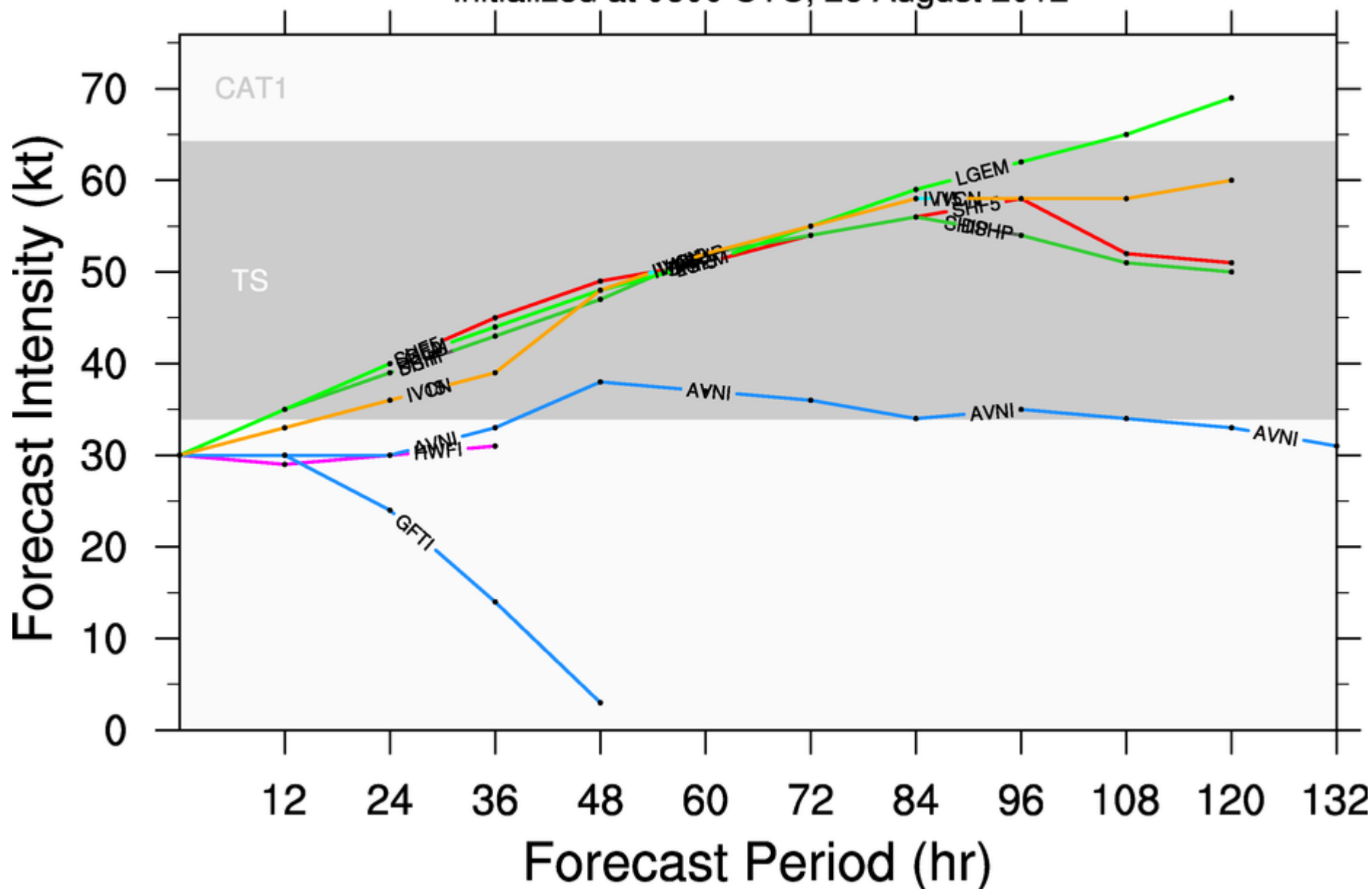
Current Basin: North Atlantic



DISTURBANCE INVEST (AL97)

Early-cycle intensity guidance

initialized at 0600 UTC, 26 August 2012



5am Sunday 8/26/12

Summary:

- At 5am EDT Sunday, Tropical Storm Isaac was located in the Florida Straits about 50 miles north of the central Cuba coastline and approximately 205 miles east-southeast of Key West, Florida.
- Isaac has increased forward speed slightly, now moving northwest around 18 mph. A general northwest to west-northwest motion is expected through the next 2 days, followed by a turn to the north-northwest on Tuesday.
- Computer model guidance beyond the next 24 hours has increased in disagreement, with a range of possibilities between the Florida Big Bend southeast Louisiana. Most of the computer models are now clustered between Mobile and New Orleans. The models that still show a more eastward track have Isaac being picked up by a storm system and trough currently in the Central U.S., while the westward models show that the trough will be too weak and will bypass Isaac completely, instead, being steered by high pressure in the central Atlantic and a small area of high pressure moving towards the Southeast U.S. Coast.
- The official NHC forecast has sped up slightly and shifted west (beyond 36 hours), taking Tropical Storm Isaac across the Florida Keys later today, then on a course towards Mobile. ***However, confidence in the track of Isaac beyond Monday is still highly uncertain.***
- Despite the ragged appearance on satellite, maximum sustained winds have increased to 65 mph. Although Isaac is feeling the effects of land interaction and some dry air, strengthening is expected to occur as it moves through the Florida Straits and into the eastern Gulf of Mexico.
- Isaac is expected to be a hurricane within the next 18 hours, reaching Category 1 intensity either just prior or just after passing through the Florida Keys.
- There is a 57% chance that Isaac could remain a tropical storm over the next 24 hours, but nearly every intensity model shows Isaac becoming a hurricane within 36 hours and strengthening. Most models keep Isaac a strong Category 1 until final landfall, but a few strengthen it into a major hurricane.
- The official forecast has Isaac strengthening to a Category 2 hurricane Tuesday afternoon, about 12 hours prior to landfall on the Gulf Coast.
- Isaac remains a large storm, and tropical storm force winds extend as far as 205 miles from the center.
- A tropical wave and associated area of low pressure in the eastern Atlantic, designated as invest area 97L, is slowly trying to organize. Environmental conditions are favorable for development as it moves west-northwest to northwest at 10-15mph, and the National Hurricane Center is forecasting a medium (50%) chance of becoming a tropical depression within the next 2 days.
- Computer models are in good agreement and take 97L northwestward through the central Atlantic during the next 4 days before curving north and northeast. Models also suggest 97L will intensify into a tropical storm within the next 2-3 days. The next name on the 2012 storm list is Kirk.
- The remnants of Tropical Storm Joyce have a 0% chance of re-development.

Florida outlook:

- Watches and Warnings Issued for Florida:
 - Hurricane Warning – Entire Florida Keys to Ocean Reef; (Florida West Coast) Bonita Beach southward to Florida Bay. This includes the counties of: far south Miami-Dade, Monroe, coastal Collier.
 - Hurricane Watch – (East Coast) Golden Beach to Ocean Reef; (Florida Panhandle) Indian Pass to the mouth of the Mississippi River. This includes the counties of: eastern Miami-Dade, coastal Gulf, coastal Bay, southern Walton, southern Okaloosa, southern Santa Rosa, southern Escambia.

- Tropical Storm Warning – (East Coast) Sebastian Inlet to Ocean Reef; (West Coast) Indian Pass to Bonita Beach. This includes the counties of: coastal Franklin, coastal Wakulla, coastal Jefferson, coastal Taylor, coastal Dixie, Levy, Citrus, Hernando, Pasco, Sumter, Polk, Hillsborough, Pinellas, Manatee, Sarasota, Hardee, DeSoto, Highlands, Charlotte, Lee, inland Collier, Hendry, Glades, Miami-Dade, Broward, Palm Beach, Martin, St. Lucie, Indian River, Okeechobee.
- Tropical Storm Watch – (East Coast) Sebastian Inlet north to Flagler Beach. This includes the counties of: Brevard, Osceola, Lake, Orange, Seminole, Volusia.
- There is a greater than 50% chance that all of South Florida, much of West Central Florida, the Florida Panhandle and western Big Bend could receive tropical storm force winds within the next 3 days. Tampa currently has a 61% chance of receiving tropical storm force winds and Tallahassee has a 51% chance. The Florida Keys, extreme coastal areas of Southwest Florida, and coastal counties in the Florida Panhandle now have up to a 20% chance of seeing hurricane force winds within 5 days.
- Tropical storm force winds could arrive later this morning in the Keys and portions of South Florida, with hurricane conditions possibly arriving this afternoon. Tropical storm winds will arrive further north in West Central Florida this evening through the overnight hours into Monday. Tropical storm conditions should exit South Florida Monday morning and begin to exit West Central Florida by Monday evening. Areas of the Florida Panhandle could see the arrival of tropical storm force winds later Monday afternoon through Wednesday, with hurricane conditions possible in the western Panhandle Tuesday afternoon.
- Heavy rainfall of 4-8 inches is possible over much of southern and West Central Florida. Heavier amounts as high as 15-20 inches is possible in the Florida Panhandle.
- Storm tide (surge + tide) heights may reach 1-3 feet in Southeast Florida and the Florida Keys, 4-6 feet along the southwest coast of Florida, 3-5 feet along West Central Florida, and 4-7 feet in Apalachee Bay and the Nature Coast. *Remember, surge can arrive before the onset of the worst weather, due to onshore flow ahead of the storm.*
- Storms in the eastern Gulf are also prone to producing tornadoes. The Storm prediction Center has placed much of Central and South Florida in a slight risk for severe weather today and much of the state on Monday and Tuesday.

More information on Tropical Storm Isaac and 97L can be found at www.nhc.noaa.gov.

Briefing slides are attached. Another update will be issued Sunday afternoon.