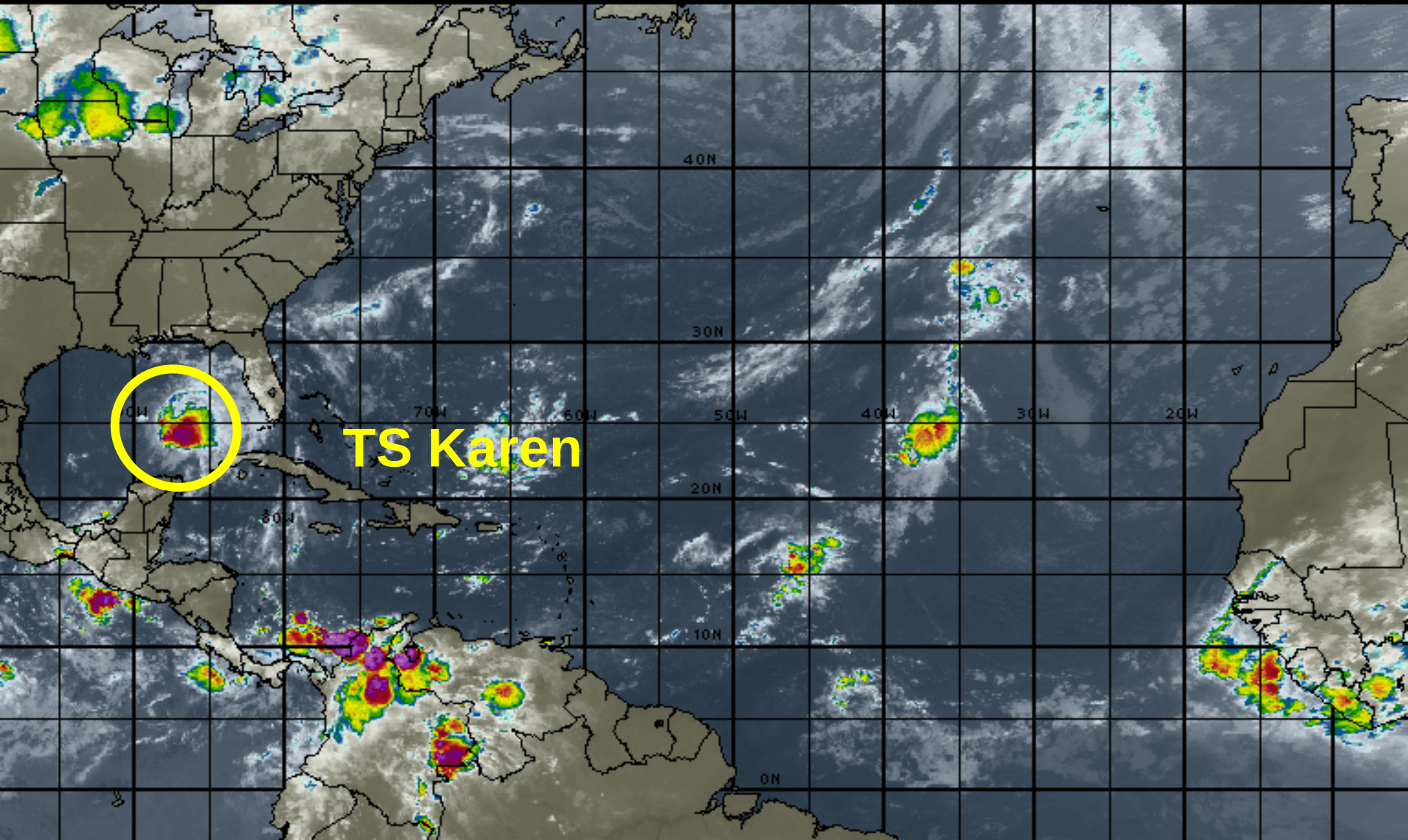
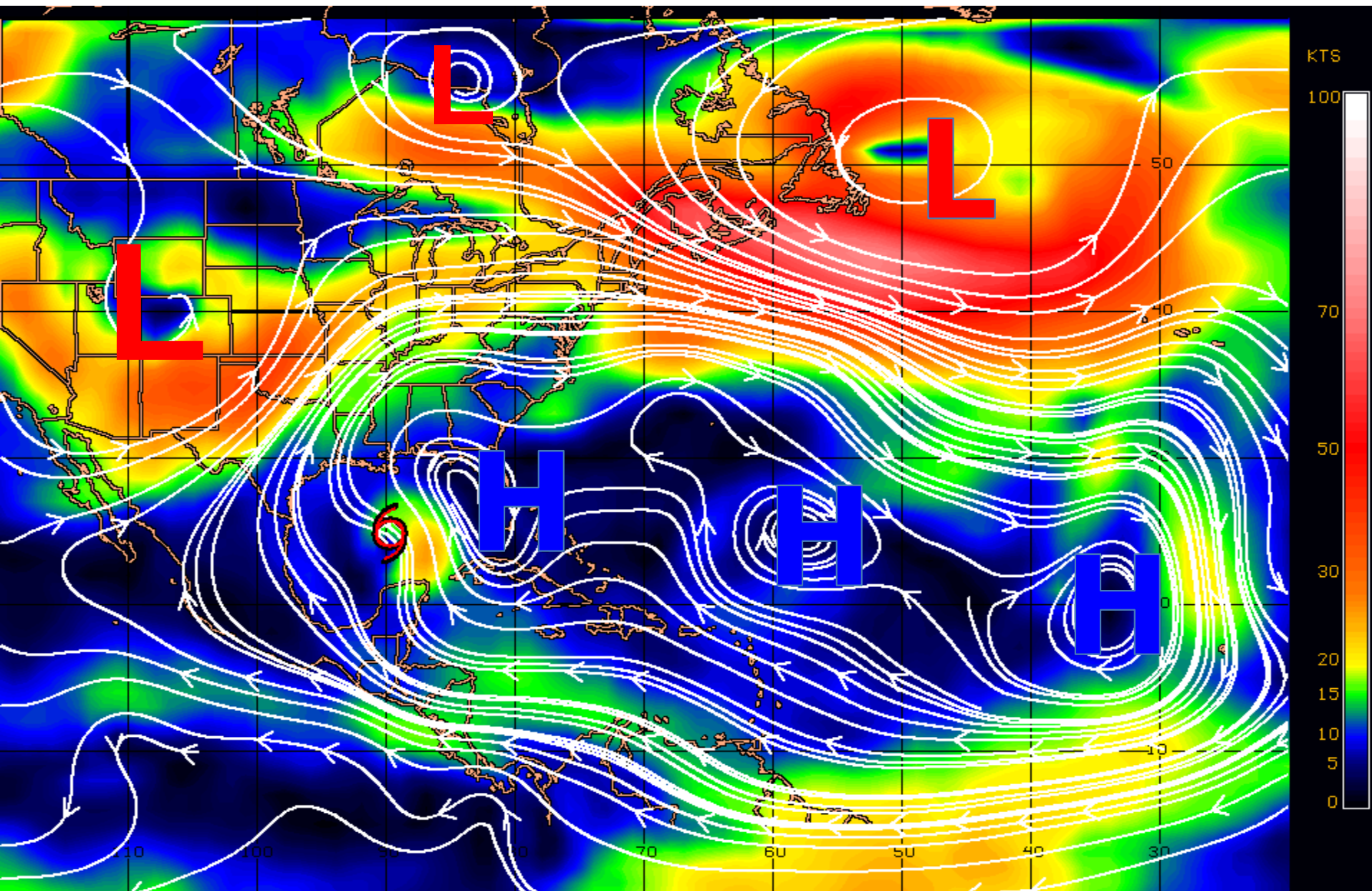


Tropical Update: Tropical Storm Karen Friday Morning Update

09:00 04-OCT-2013 GMT ©Copyright WSI Corporation <http://www.wsi.com>

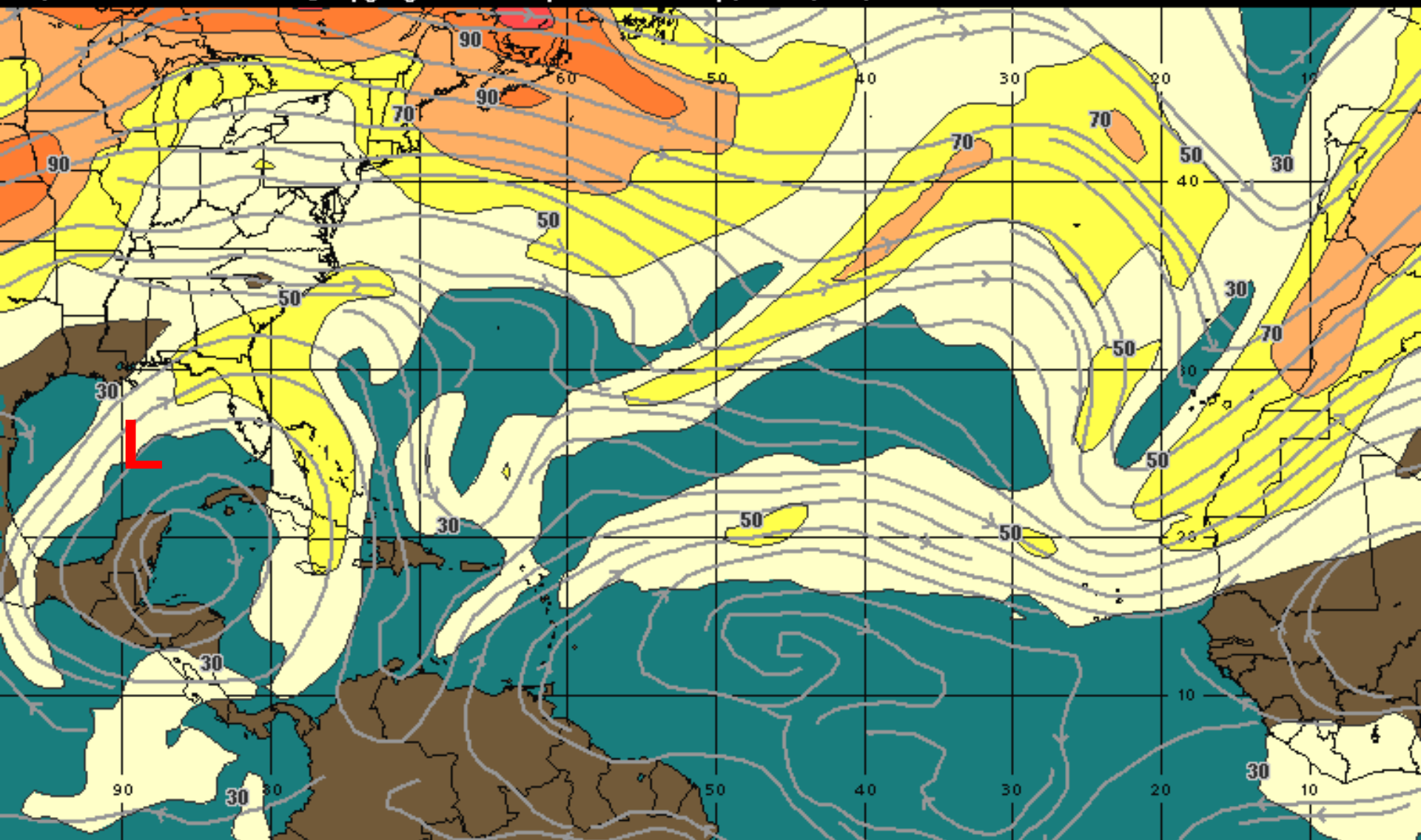


Steering Currents



Current Wind Sheer

00:00 04-OCT-2013 GMT ©Copyright WSI Corporation <http://www.wsi.com>

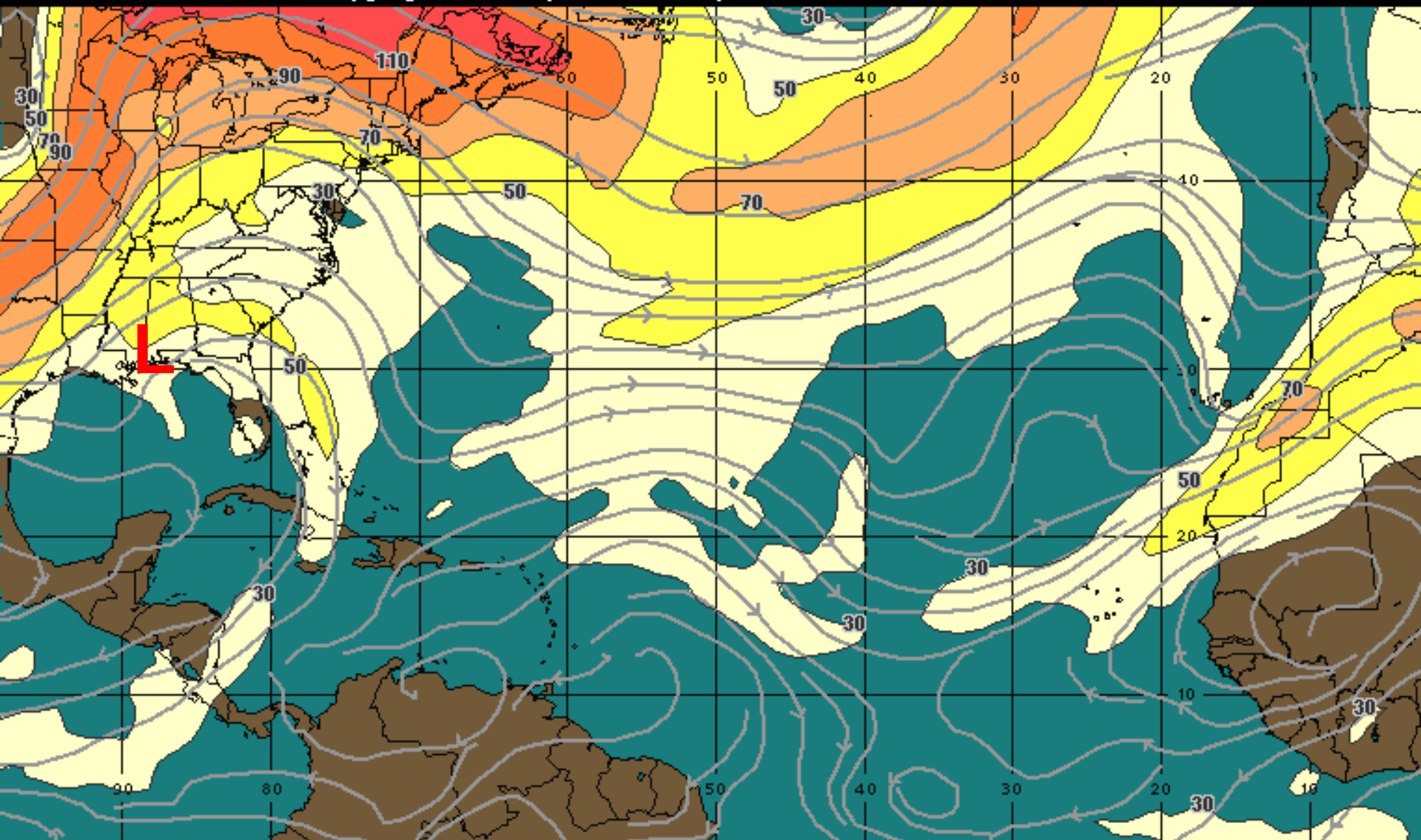


200Mb Wind Speed / Streamline Analysis
Valid 0000 UTC Fri 04-Oct-13



48 Hour Forecast Wind Sheer

00:00 06-OCT-2013 GMT ©Copyright WSI Corporation <http://www.wsi.com>

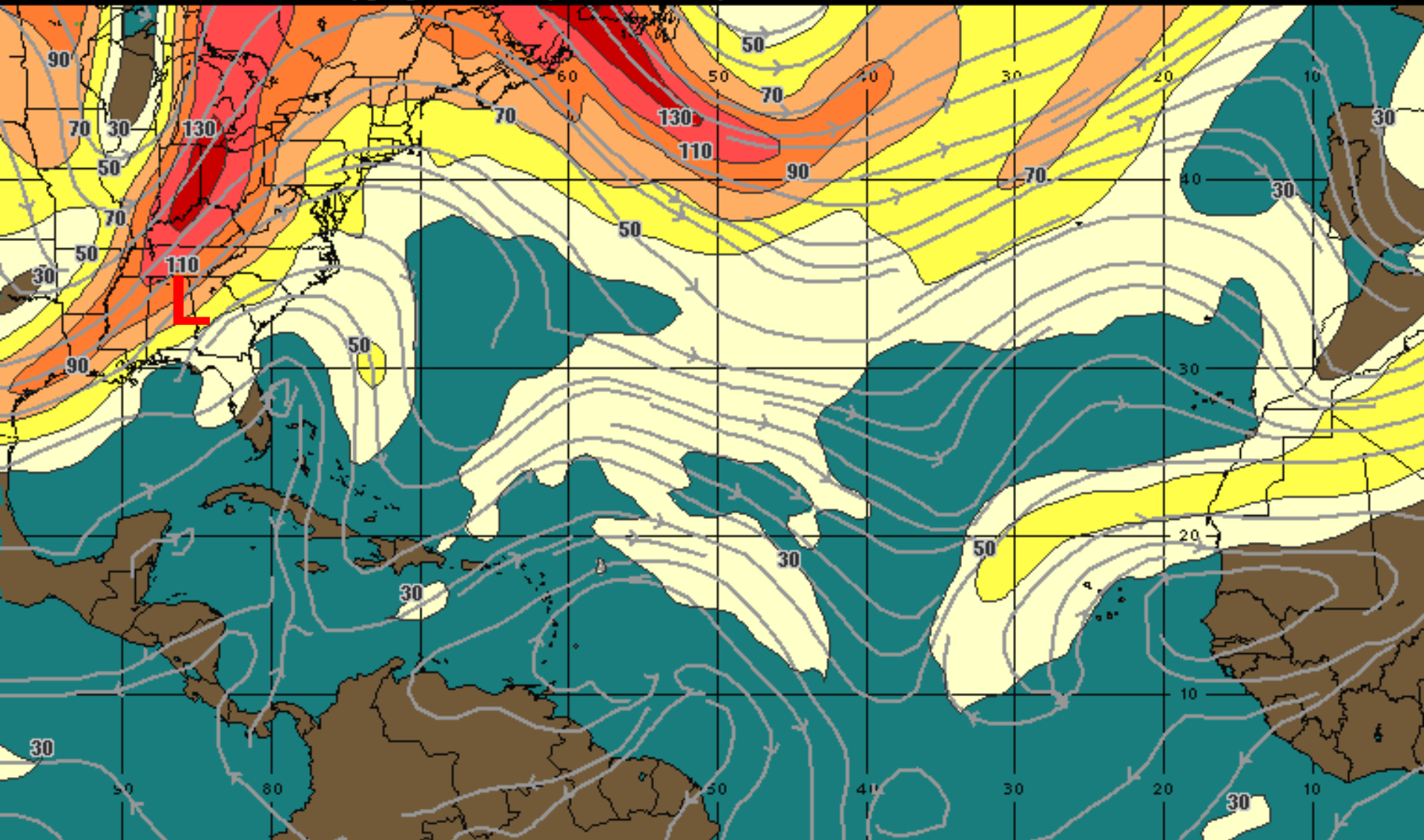


200Mb Wind Speed / Streamline Forecast
Valid 0000 UTC Sun 06-Oct-13



72 Hour Forecast Wind Sheer

00:00 07-OCT-2013 GMT ©Copyright WSI Corporation <http://www.wsi.com>



200Mb Wind Speed / Streamline Forecast
Valid 0000 UTC Mon 07-Oct-13

30 mph 50 70 90 110 130 150 + WSI

Tropical Storm Karen

4 AM CDT Fri Oct-04-2013

Position 24.9N 89.8W

Maximum Winds 60 mph

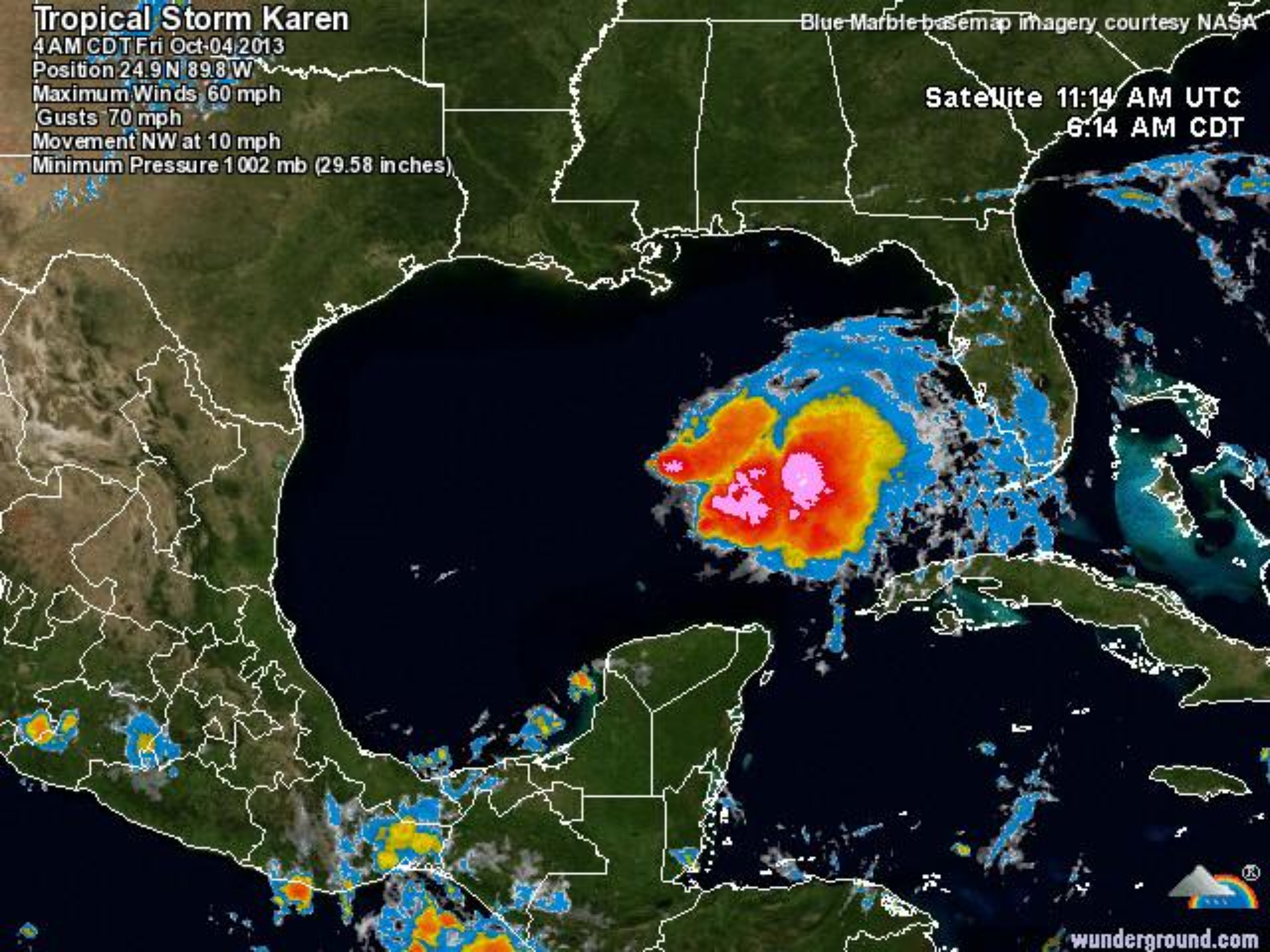
Gusts 70 mph

Movement NW at 10 mph

Minimum Pressure 1002 mb (29.58 inches)

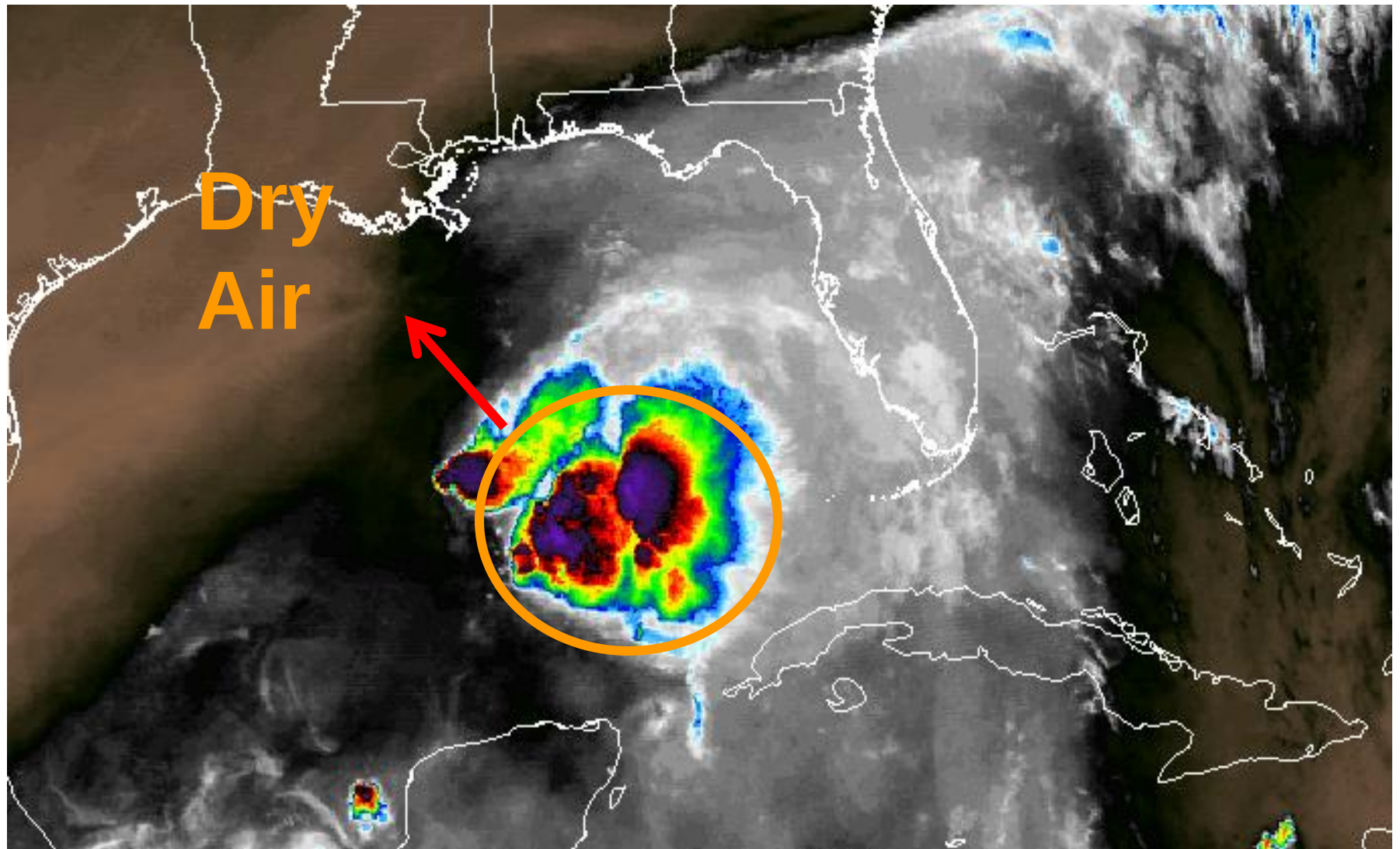
Blue Marble basemap imagery courtesy NASA

Satellite 11:14 AM UTC
6:14 AM CDT



wunderground.com

Dry Air Affecting 97L



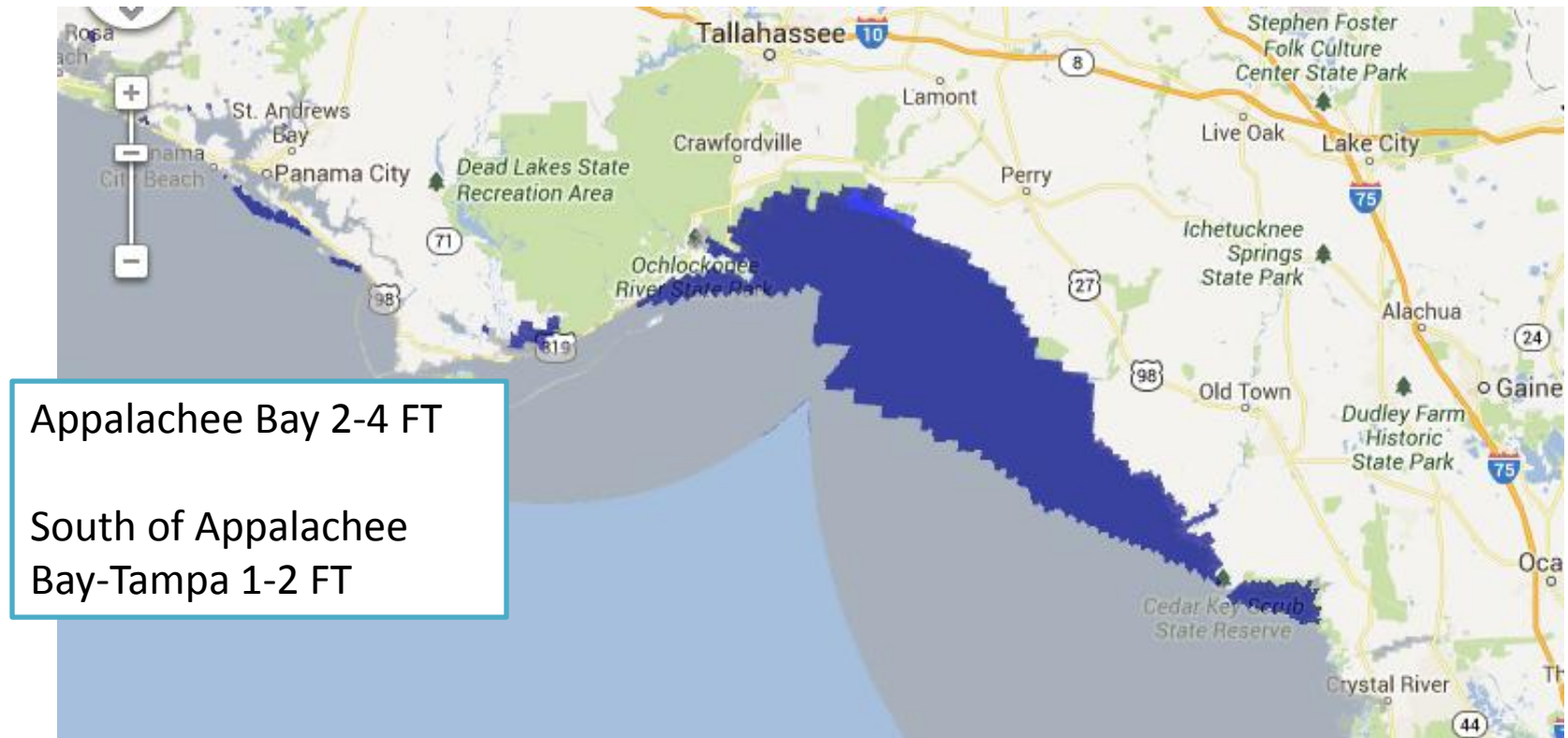
Dry

Saturated

**For NWS Tropical Cyclone
Impact Graphics specific to
your NWS office Visit:**

<http://w1.weather.gov/tcig/>

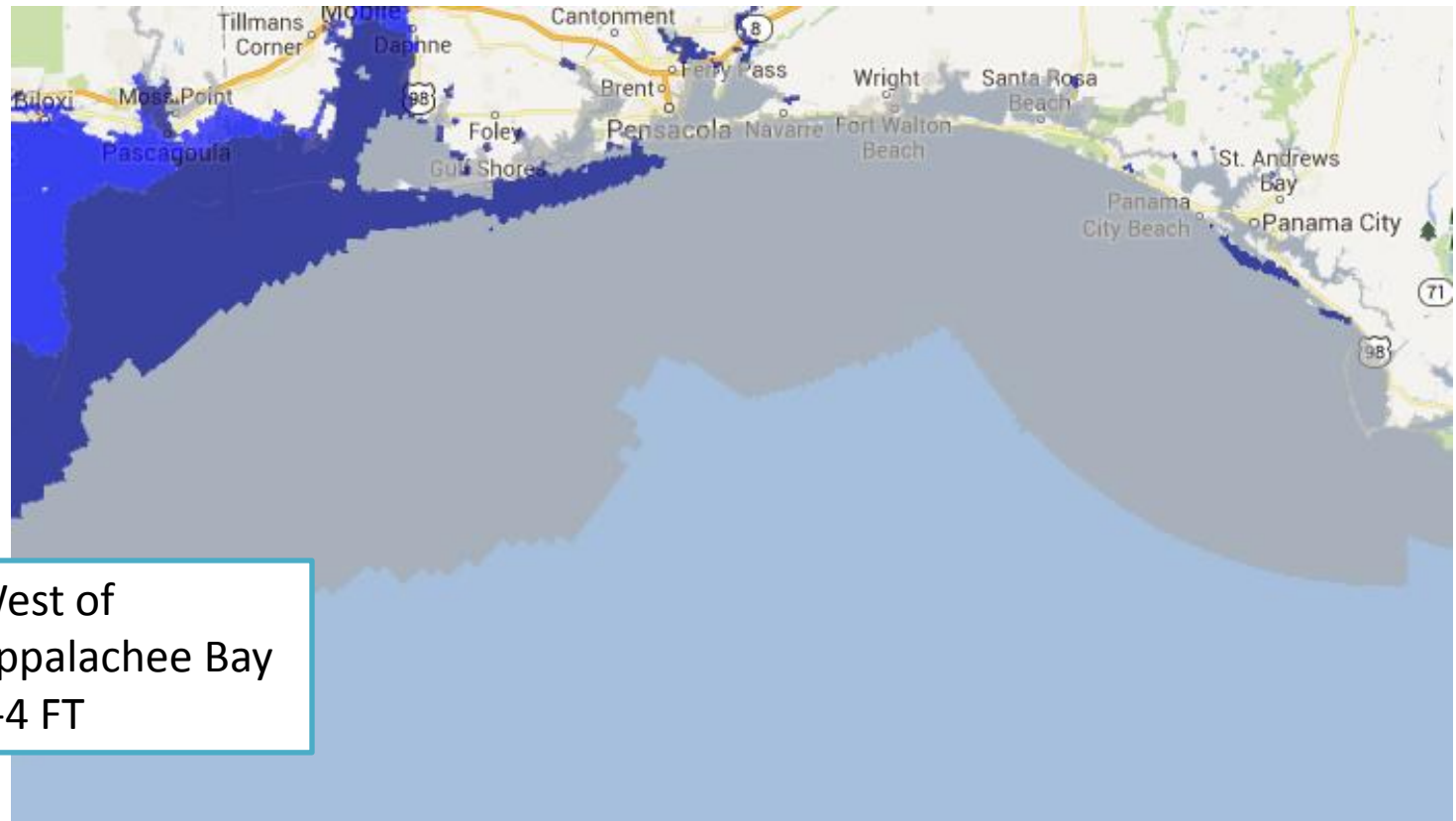
Storm Surge Exceedance



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

Storm Surge Exceedance

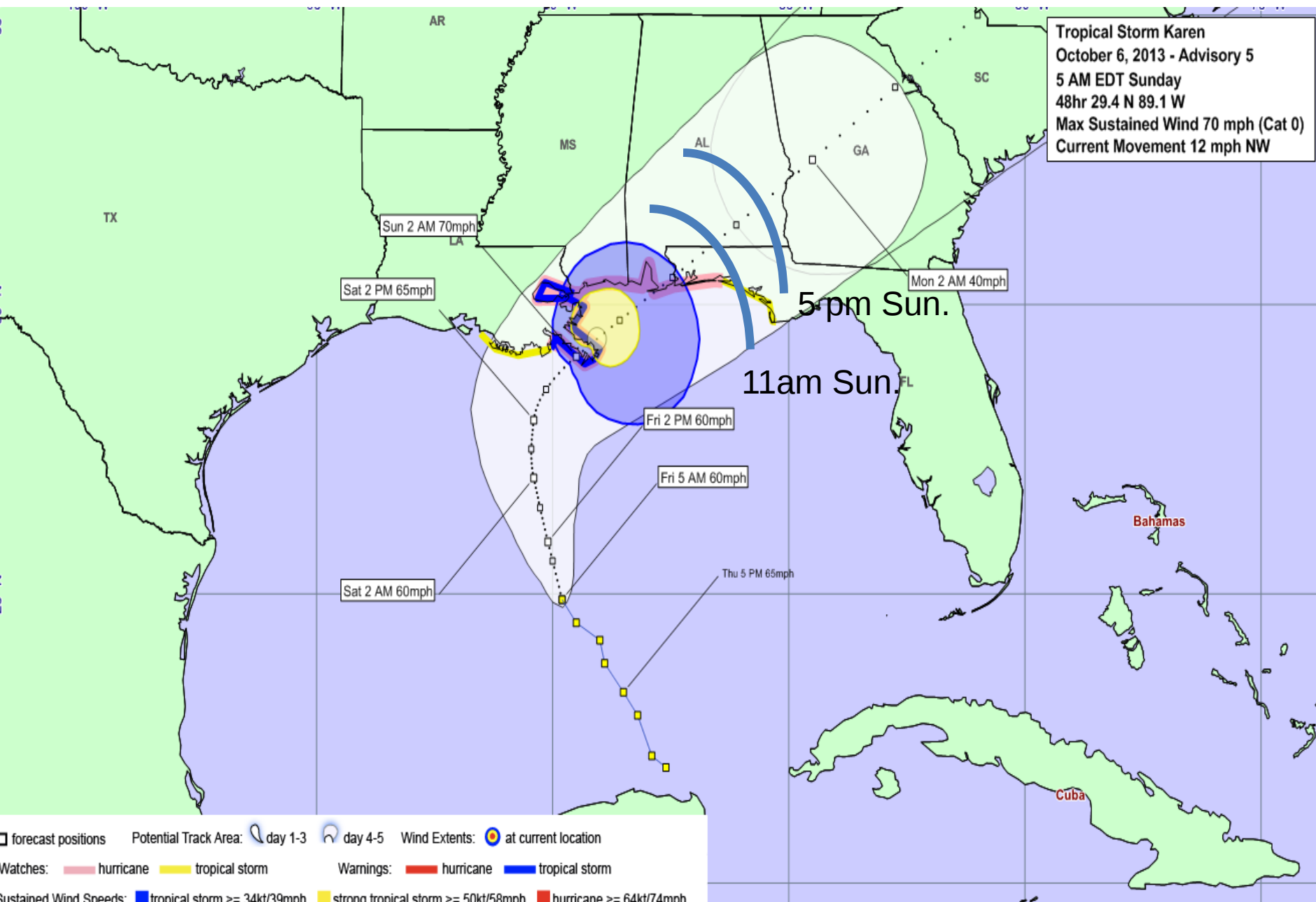


West of
Appalachee Bay
2-4 FT

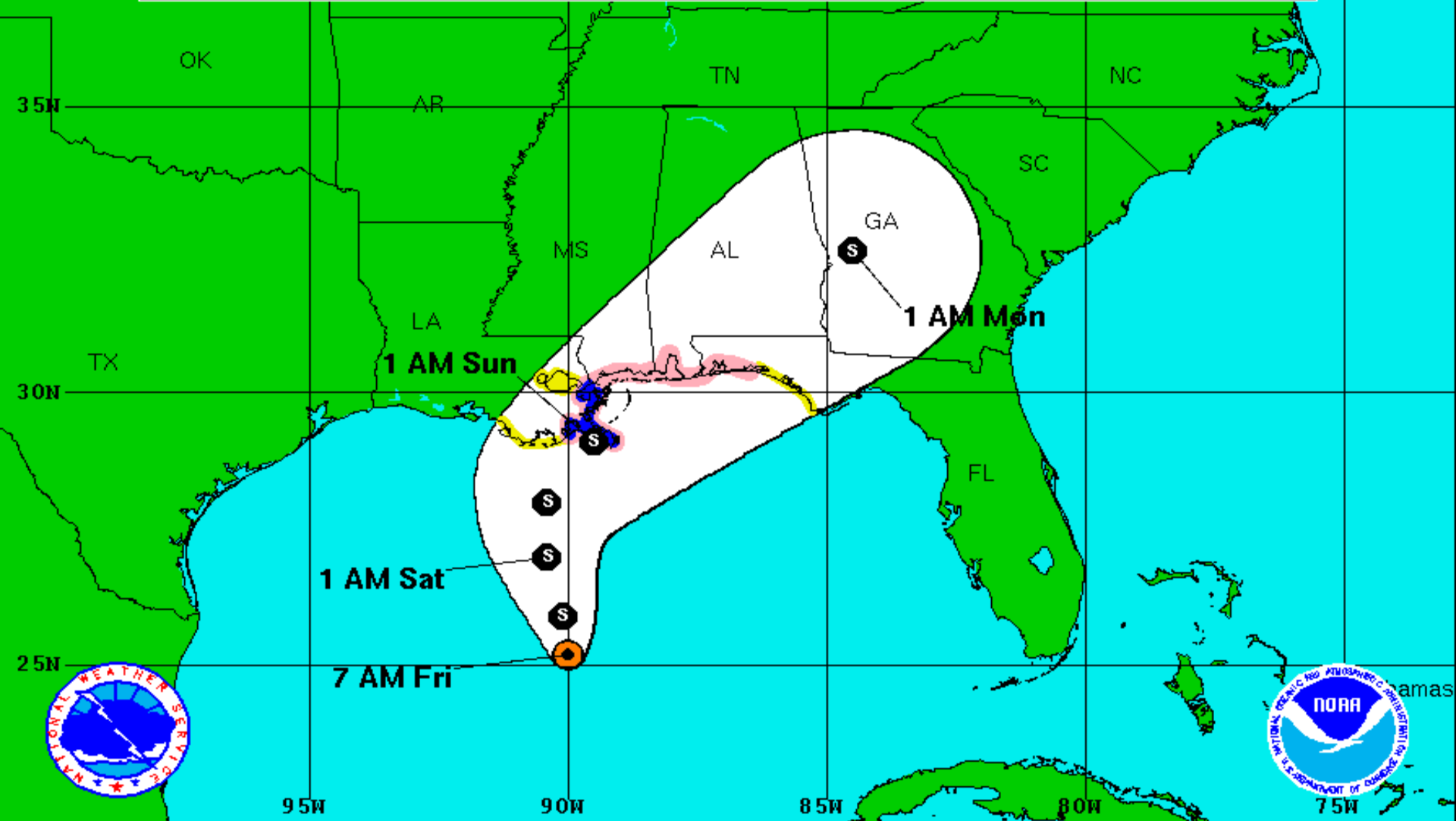
Height above NGVD-29 (feet)

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

Tropical Storm Karen
 October 6, 2013 - Advisory 5
 5 AM EDT Sunday
 48hr 29.4 N 89.1 W
 Max Sustained Wind 70 mph (Cat 0)
 Current Movement 12 mph NW



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 Karen

Friday October 4, 2013

7 AM CDT Intermediate Advisory 5A

NWS National Hurricane Center

Current Information:

Center Location 25.2 N 90.0 W

Max Sustained Wind 60 mph

Movement NNW at 10 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

Watches:

 Hurricane Trop.Storm

Warnings:

 Hurricane Trop.Storm



Intensity (Maximum Wind Speed) Probability Table
 Tropical Storm Karen Advisory Number 5
 4:00 AM CDT Oct 4 2013

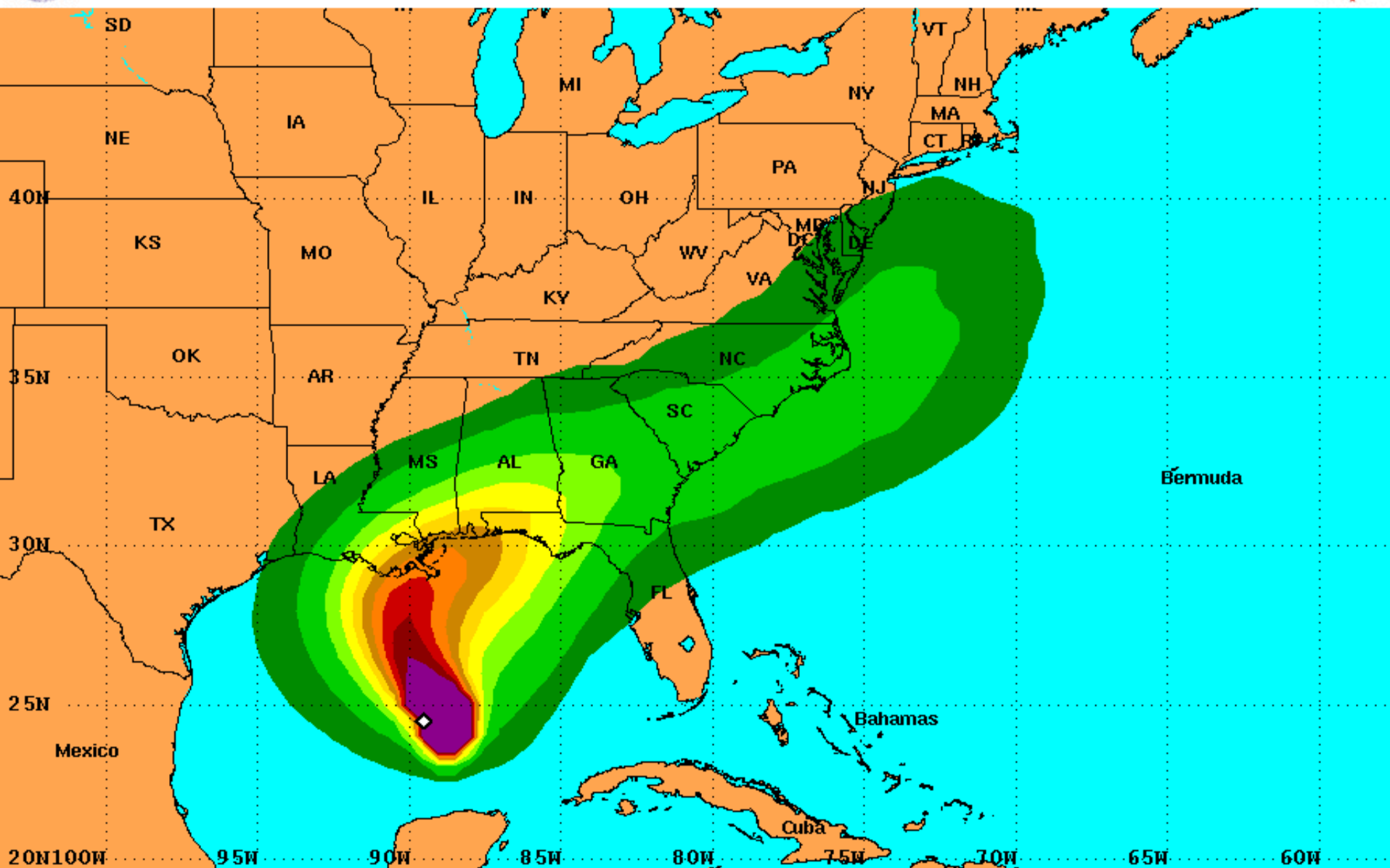


Wind Range (mph)	Forecast Time						
	12 hour for 1 PM Fri	24 hour for 1 AM Sat	36 hour for 1 PM Sat	48 hour for 1 AM Sun	72 hour for 1 AM Mon	96 hour for 1 AM Tue	120 hour for 1 AM Wed
Dissipated	<1%	1%	2%	5%	19%	36%	NA
Tropical Depression (<39)	2%	9%	11%	15%	39%	26%	NA
Tropical Storm (39-73)	92%	79%	69%	58%	38%	27%	NA
Hurricane (all categories)	6%	11%	19%	23%	4%	12%	NA
– Category 1 (74-95)	6%	11%	17%	20%	3%	9%	NA
– Category 2 (96-110)	<1%	<1%	2%	3%	1%	2%	NA
– Category 3 (111-129)	<1%	<1%	<1%	1%	<1%	<1%	NA
– Category 4 (130-156)	<1%	<1%	<1%	<1%	<1%	<1%	NA
– Category 5 (>156)	<1%	<1%	<1%	<1%	<1%	<1%	NA
Forecast Maximum Wind	60 mph	60 mph	65 mph	70 mph	40 mph	30 mph	NA



Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 1 AM CDT Fri Oct 4 to 1 AM CDT Wed Oct 9

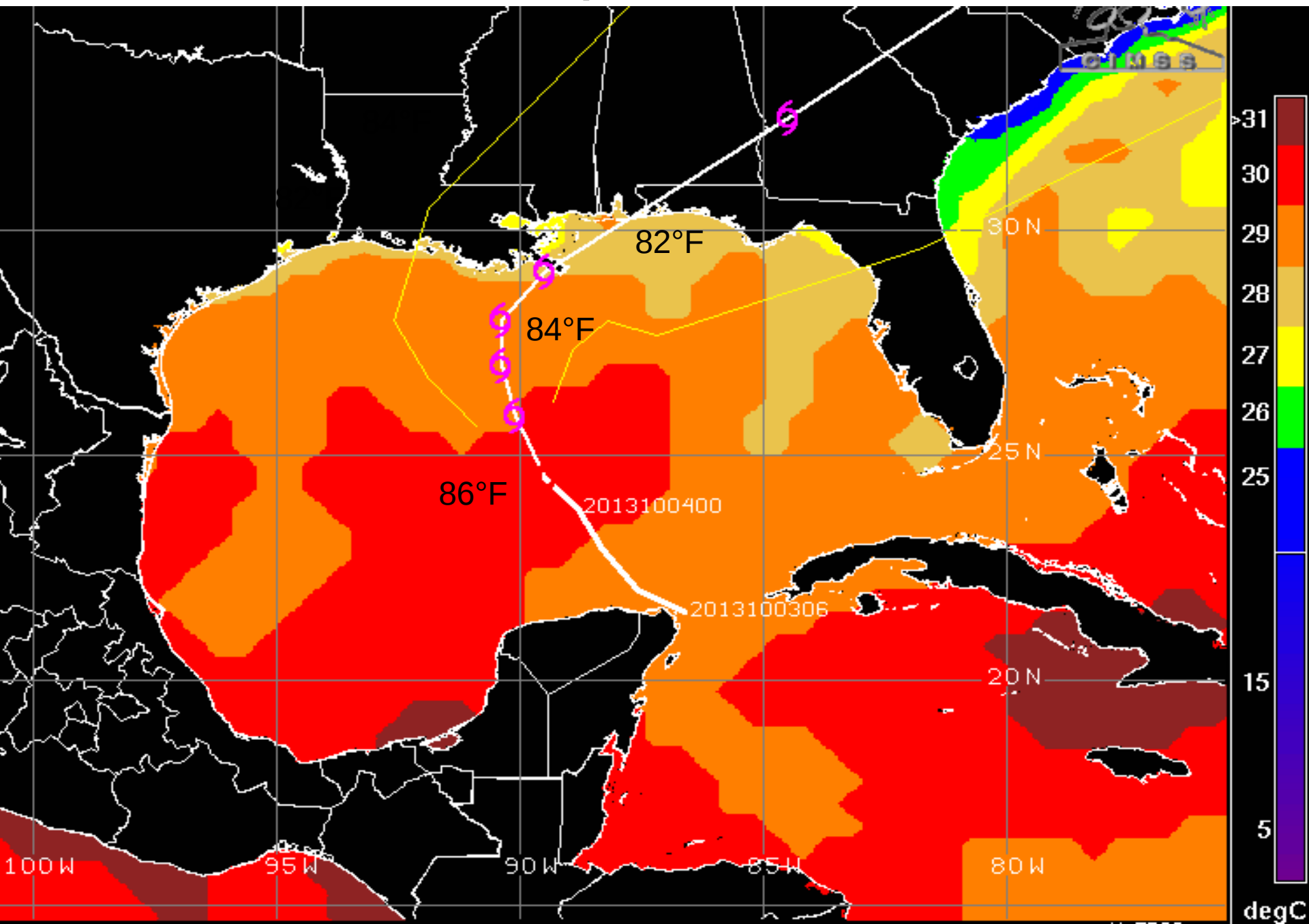


Probability of tropical storm force surface winds (1-minute average ≥ 39 mph) from all tropical cyclones

◆ indicates TROPICAL STORM KAREN center location at 1 AM CDT Fri Oct 4 2013 (Forecast/Advisory #5)

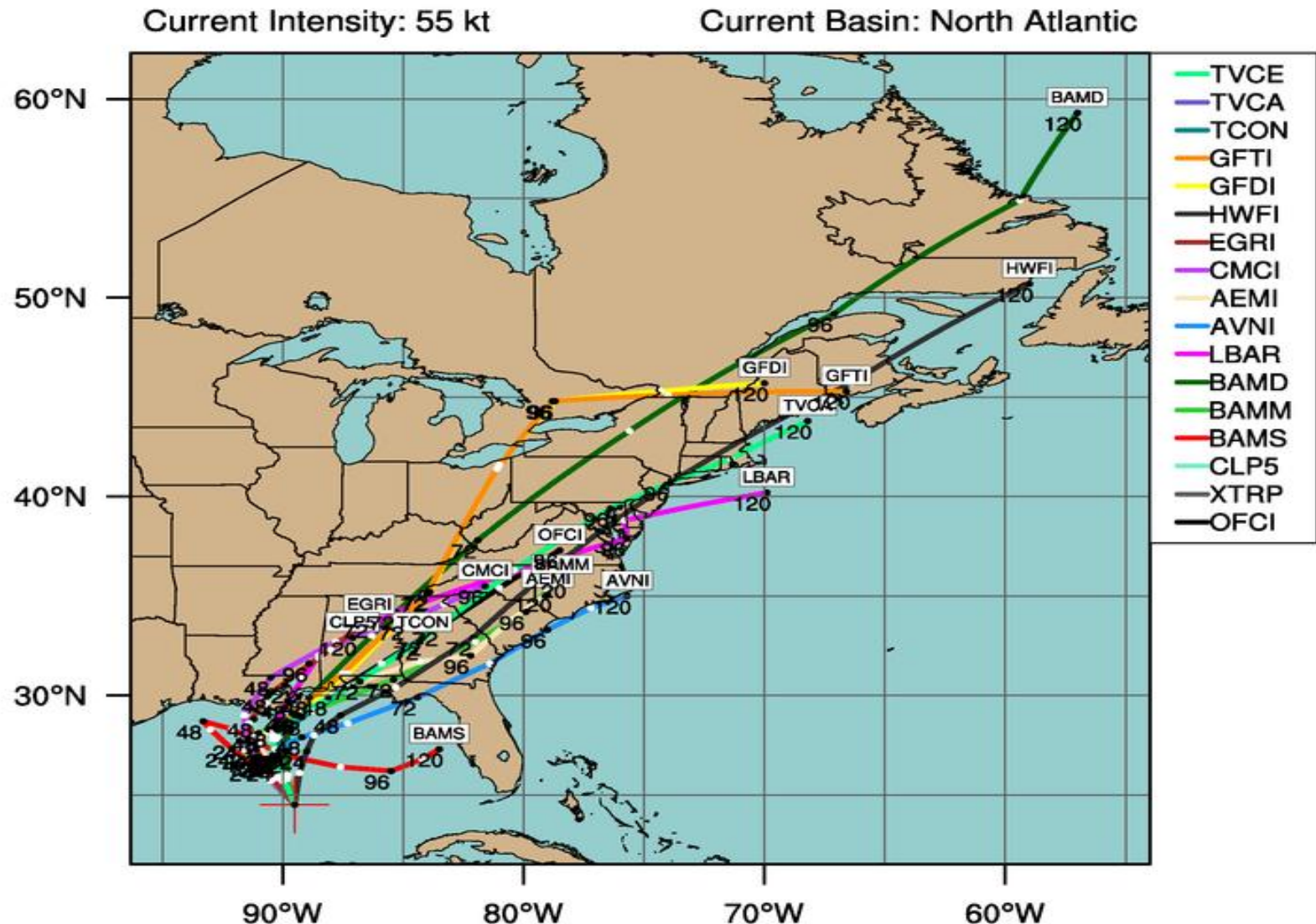


Sea Surface Temperatures For TS Karen



TROPICAL STORM KAREN (AL12)

Early-cycle track guidance initialized at 0600 UTC, 04 October 2013



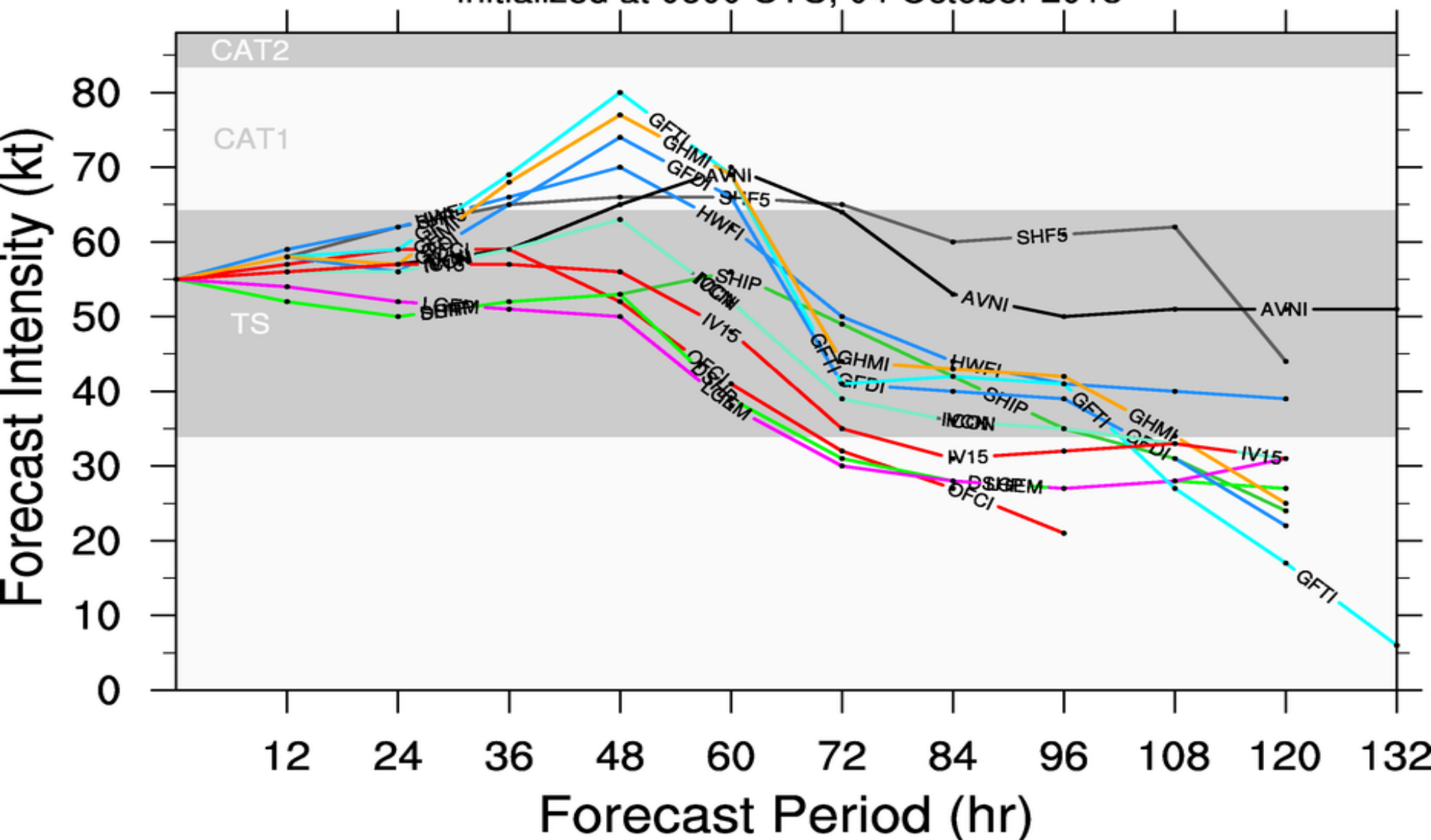
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Plot generated at 0749 UTC 04 October 2013

TROPICAL STORM KAREN (AL12)

Early-cycle intensity guidance

initialized at 0600 UTC, 04 October 2013



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Plot generated at 0749 UTC 04 October 2013

5 Day Rainfall Forecast

