

Tropical Storm Andrea

4 AM CDT Thu Jun 06-2013

Position 27.0 N 85.9 W

Maximum Winds 60 mph

Gusts 70 mph

Movement NNE at 12 mph

Minimum Pressure 997 mb (29.43 inches)

Blue Marble base map imagery courtesy NASA

Satellite 6:01 AM CDT

6:01 AM CDT



U.S. Tropical Storm and Hurricane Alerts



Weather Underground
wunderground.com

5 AM EDT Thu Jun 06 2013

Position 27.0 N 85.9 W

Maximum Winds 55 mph Gusts 70 mph

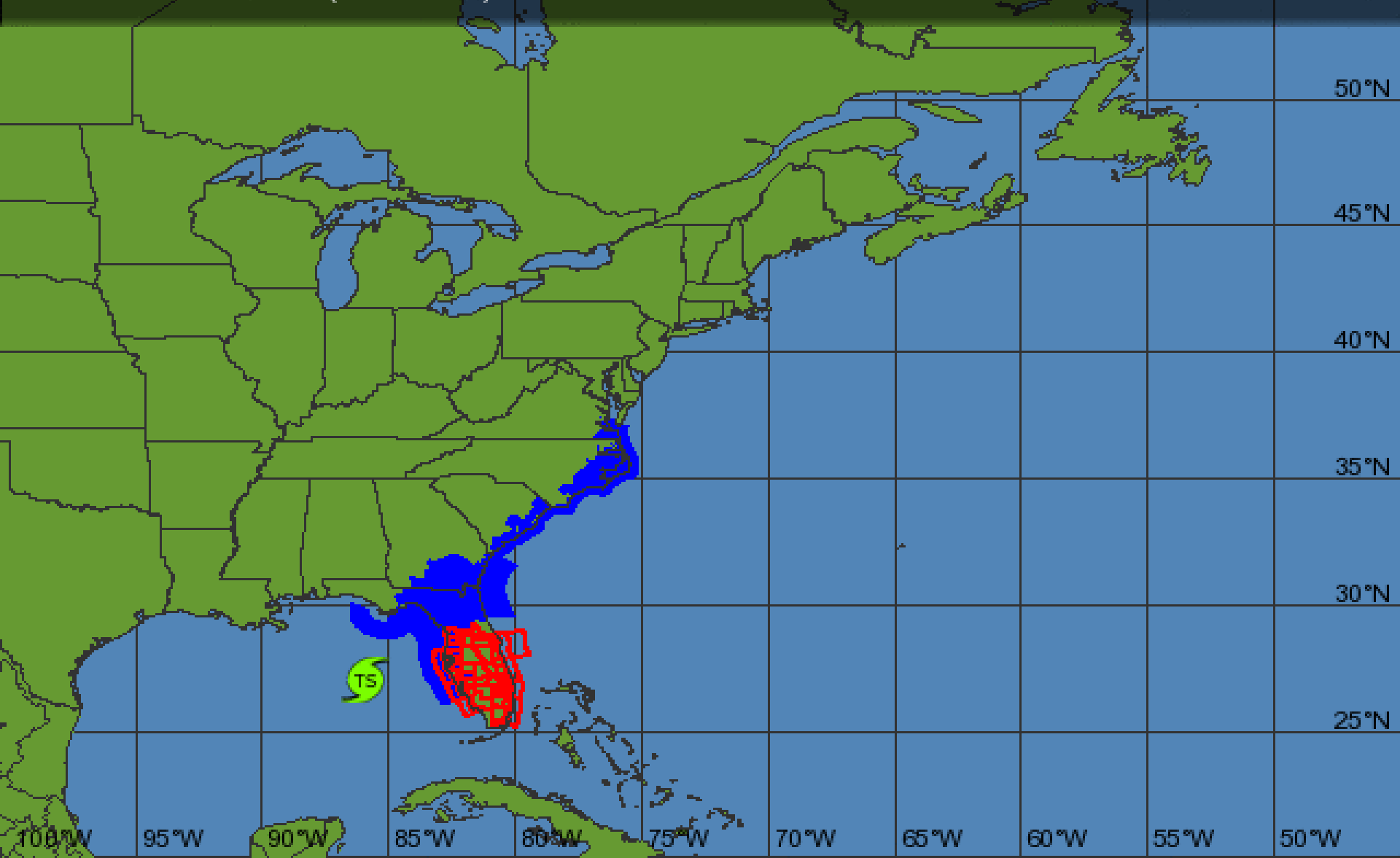
Movement NNE at 12 mph

Minimum Pressure 997 mb (29.43 inches)

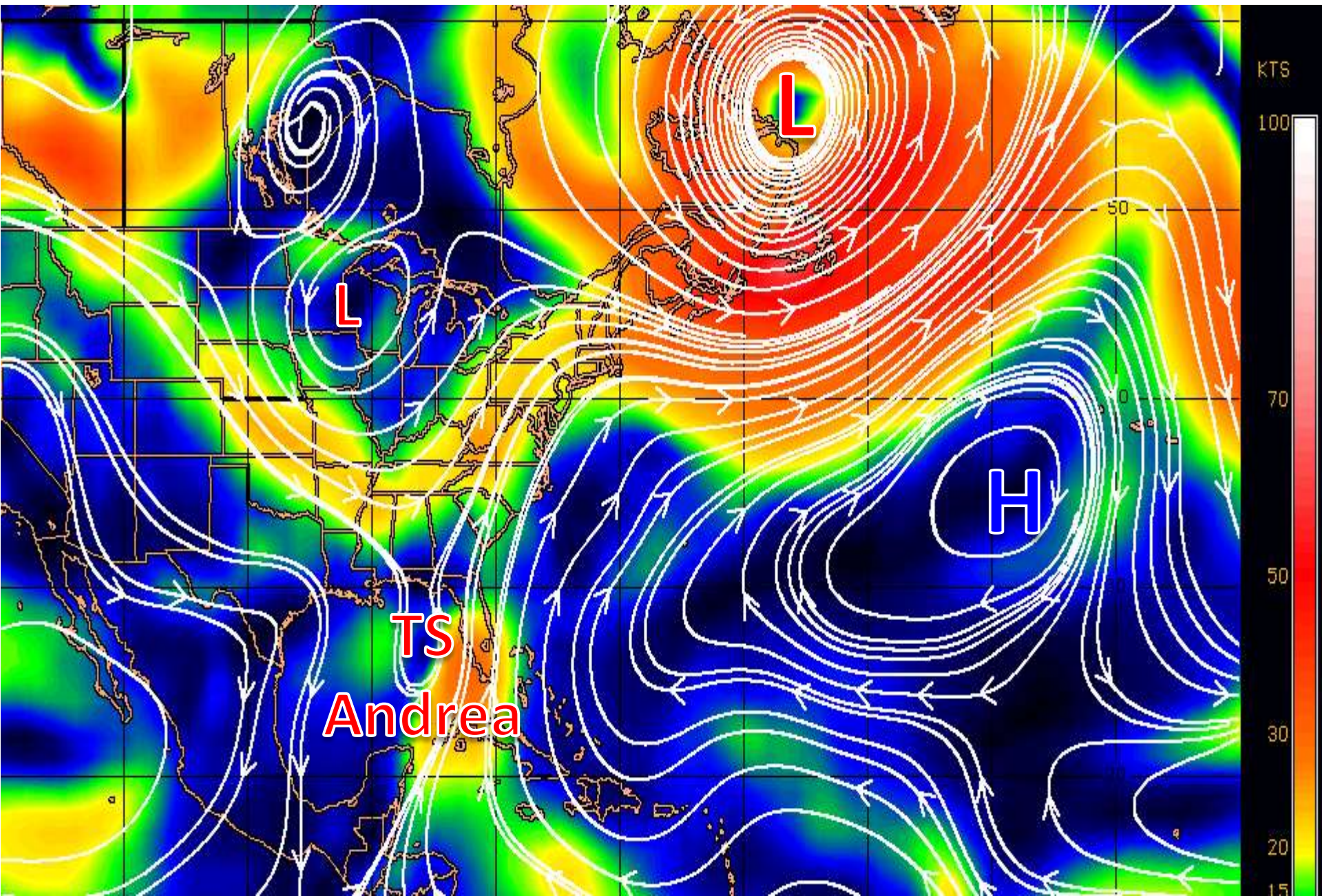
Hurricane Warning
Hurricane Watch

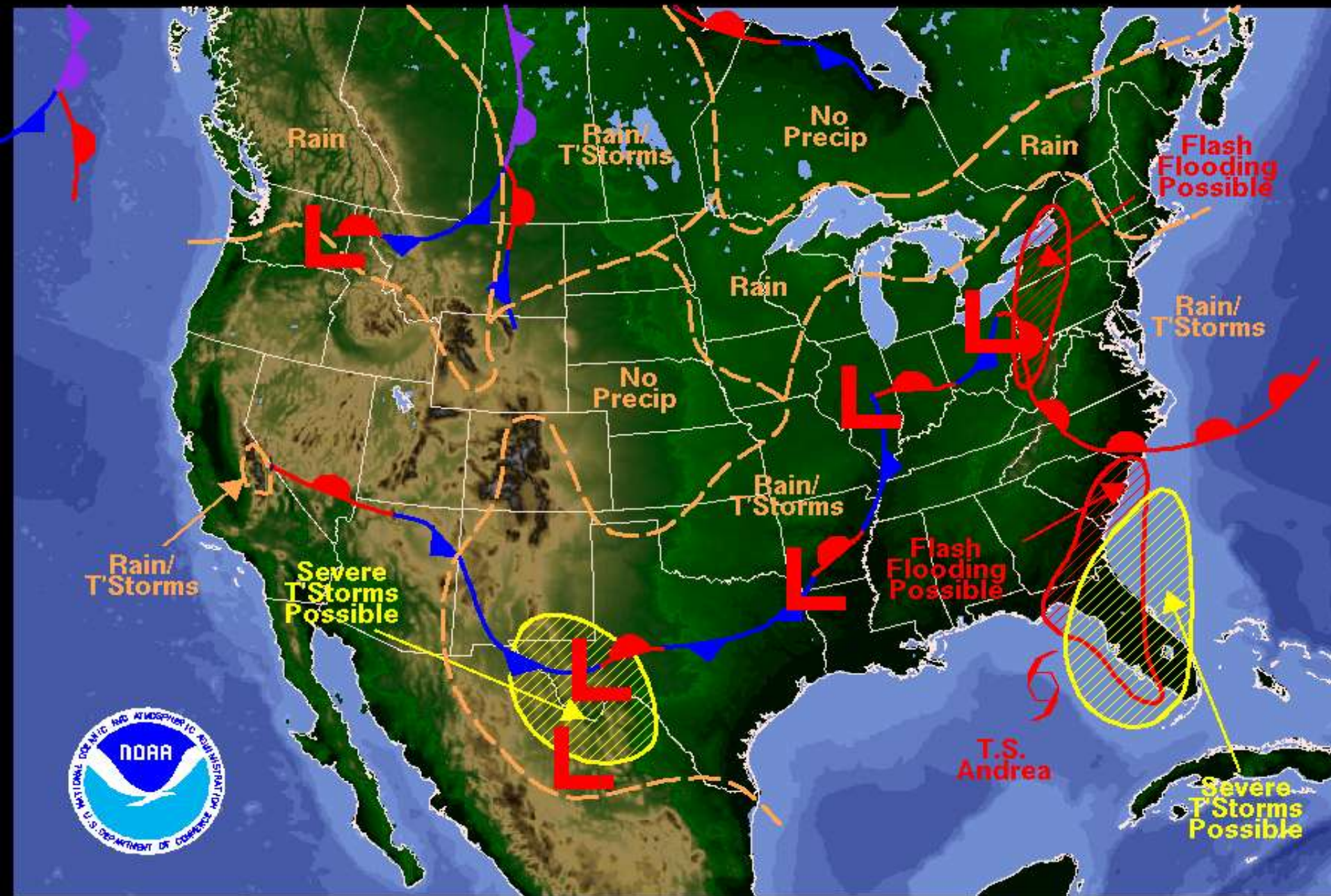
Tropical Storm Warning
Tropical Storm Watch

Tornado Warning
Tornado Watch



Steering Currents





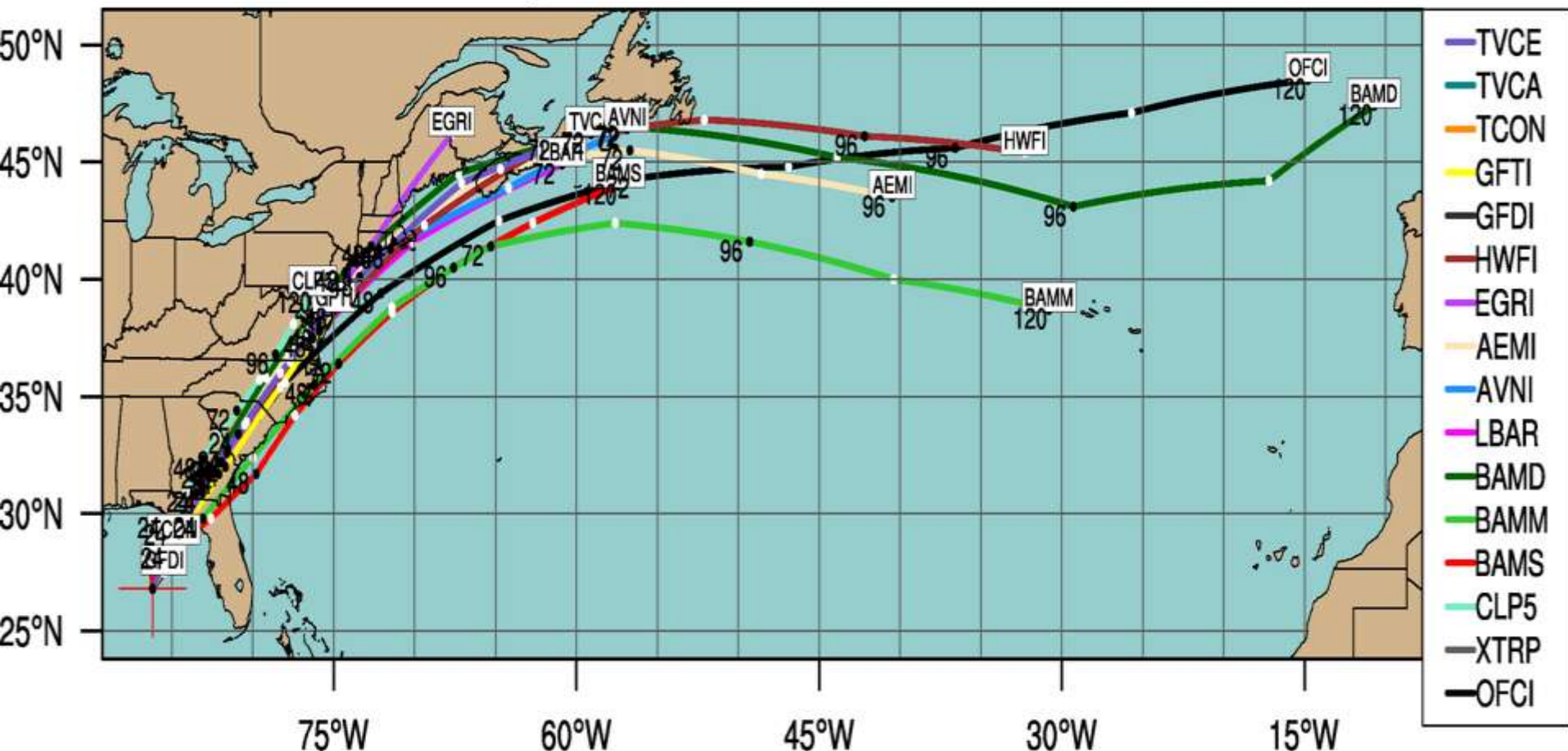
Weather Forecast for Thu, Jun 06, 2013, issued 3:07 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

TROPICAL STORM ANDREA (AL01)

Early-cycle track guidance initialized at 0600 UTC, 06 June 2013

Current Intensity: 45 kt

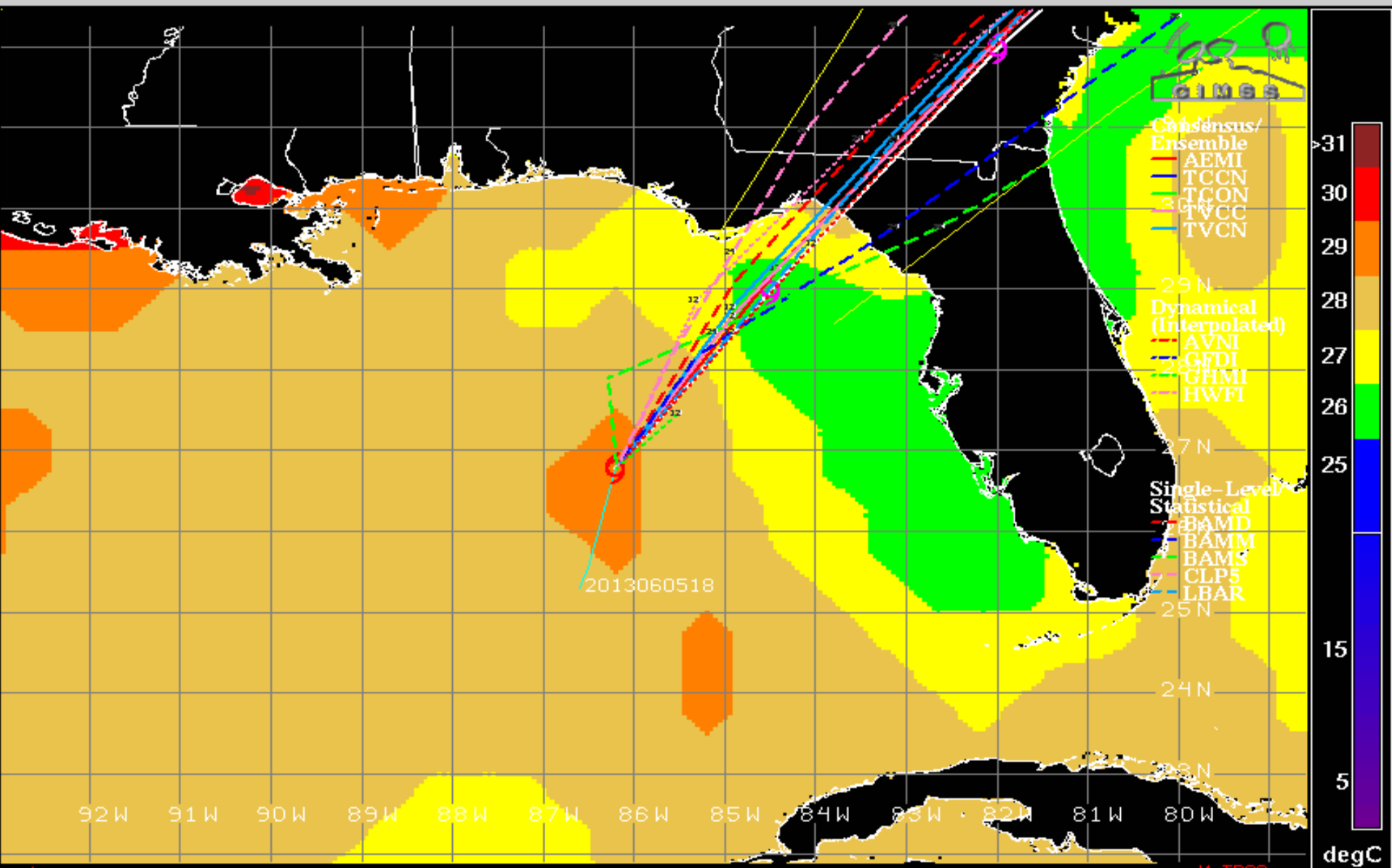
Current Basin: North Atlantic



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Plot generated at 0749 UTC 06 June 2013

Sea Surface Temperatures and Model Forecast Tracks



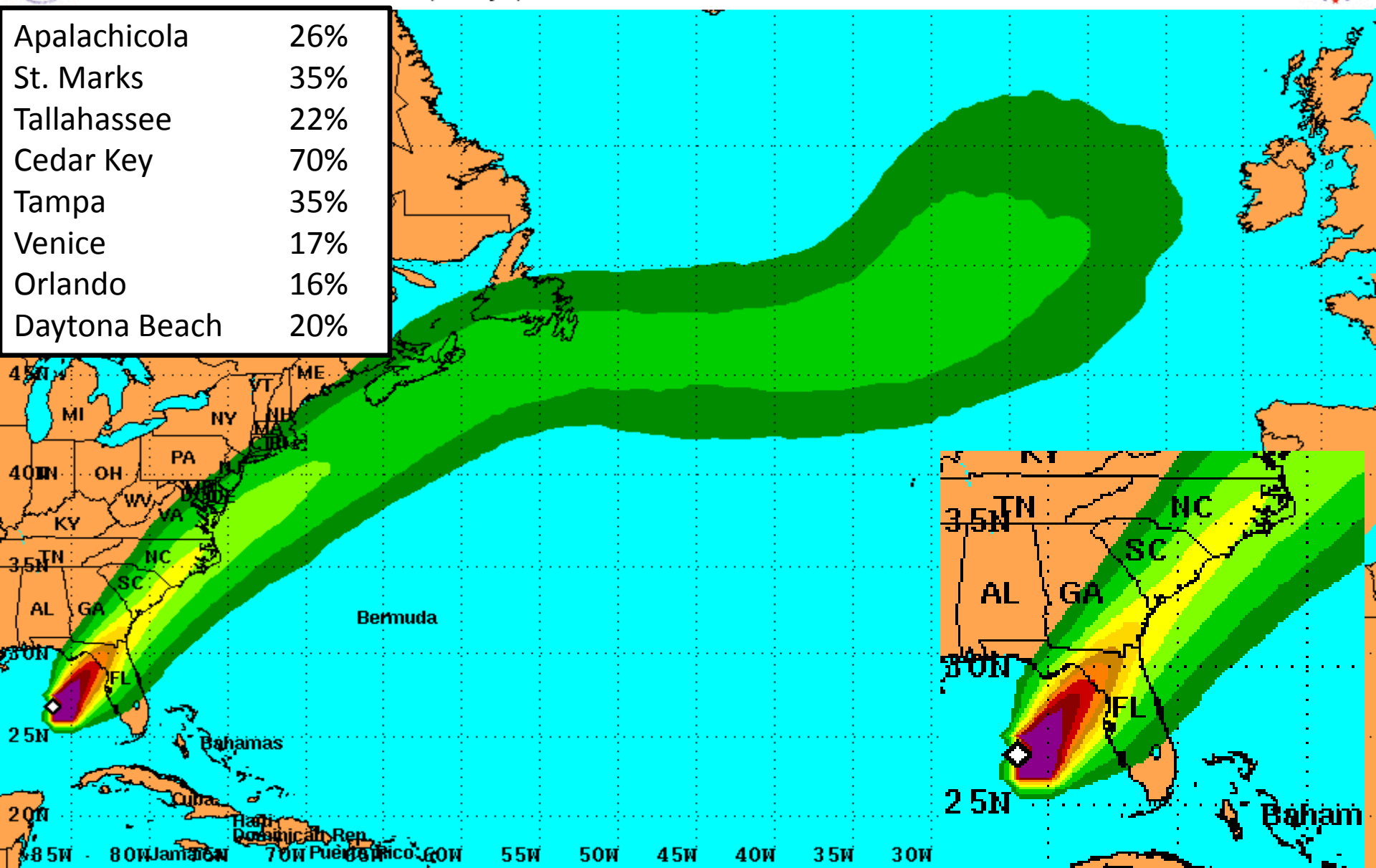


Tropical Storm Force Wind Speed Probabilities

For the 120 hours (5 days) from 1 AM CDT Thu Jun 6 to 1 AM CDT Tue Jun 11



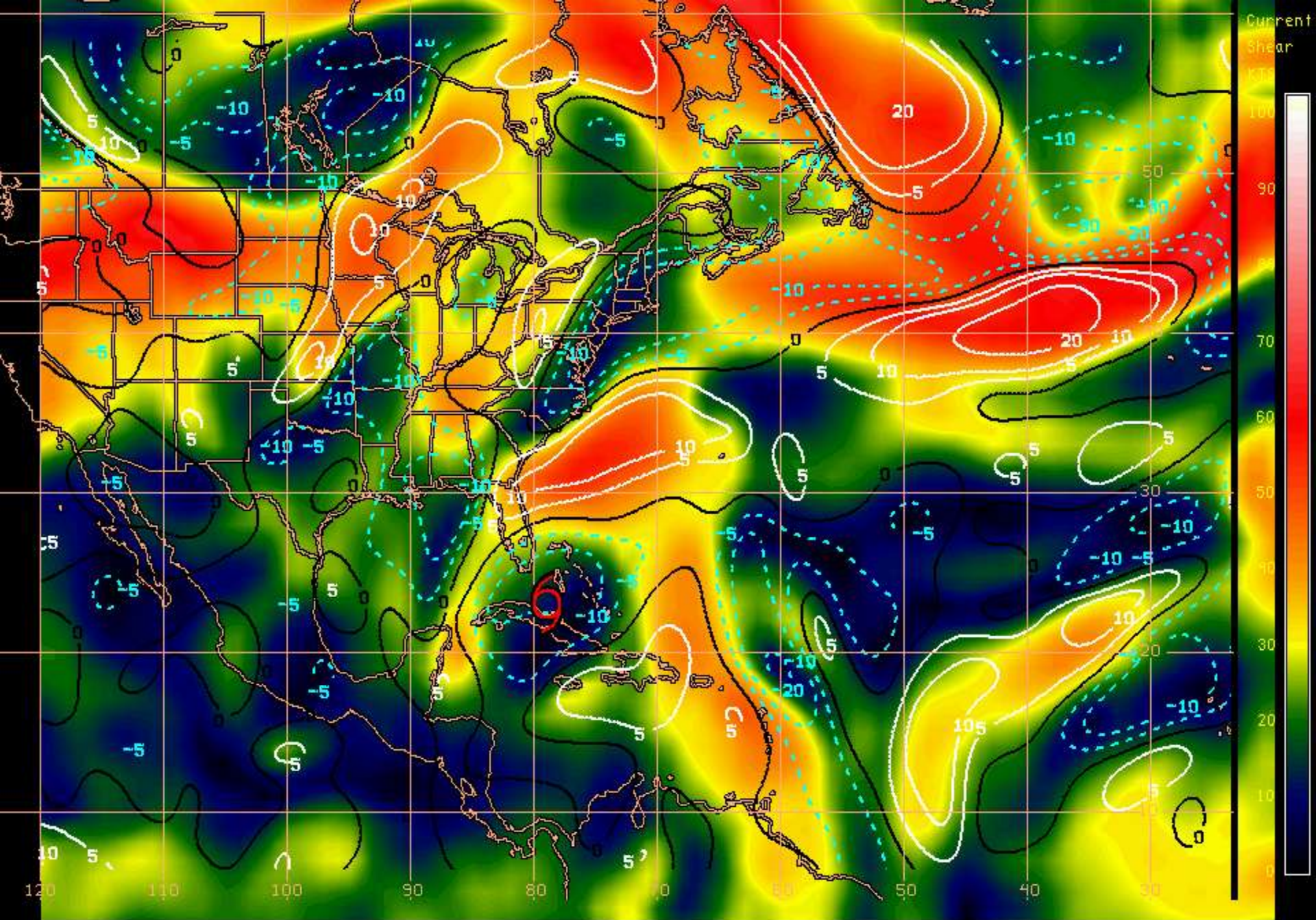
Apalachicola	26%
St. Marks	35%
Tallahassee	22%
Cedar Key	70%
Tampa	35%
Venice	17%
Orlando	16%
Daytona Beach	20%

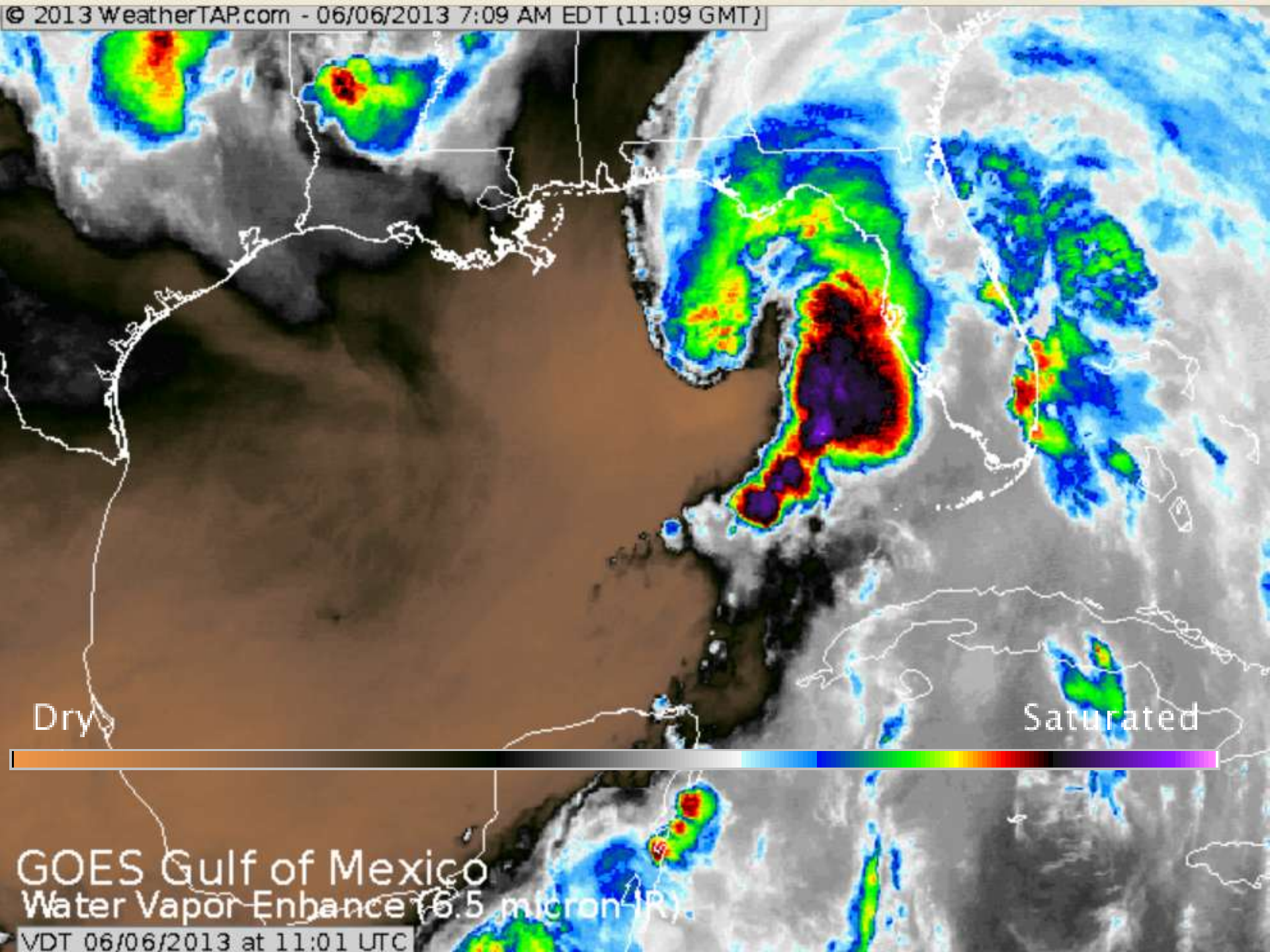


Probability of tropical storm force surface winds (1-minute average ≥ 39 mph) from all tropical cyclones

◇ indicates TROPICAL STORM ANDREA center location at 1 AM CDT Thu Jun 6 2013 (Forecast/Advisory #3)







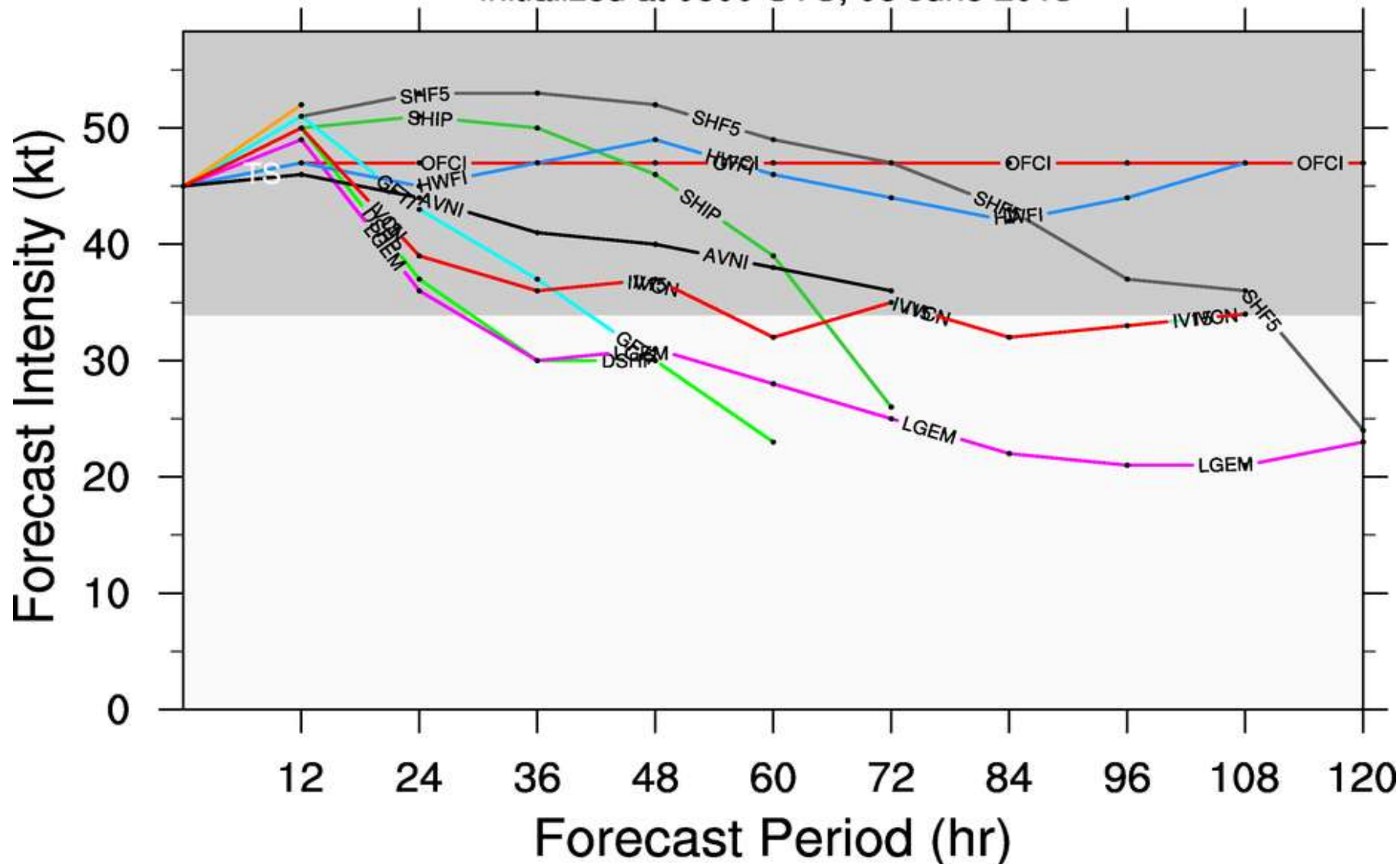
GOES Gulf of Mexico
Water Vapor Enhance (6.5 micron IR)

VDT 06/06/2013 at 11:01 UTC

TROPICAL STORM ANDREA (AL01)

Early-cycle intensity guidance

initialized at 0600 UTC, 06 June 2013



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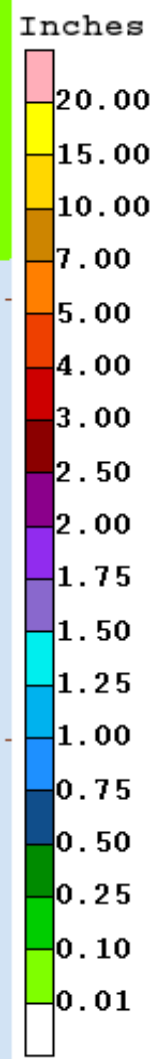
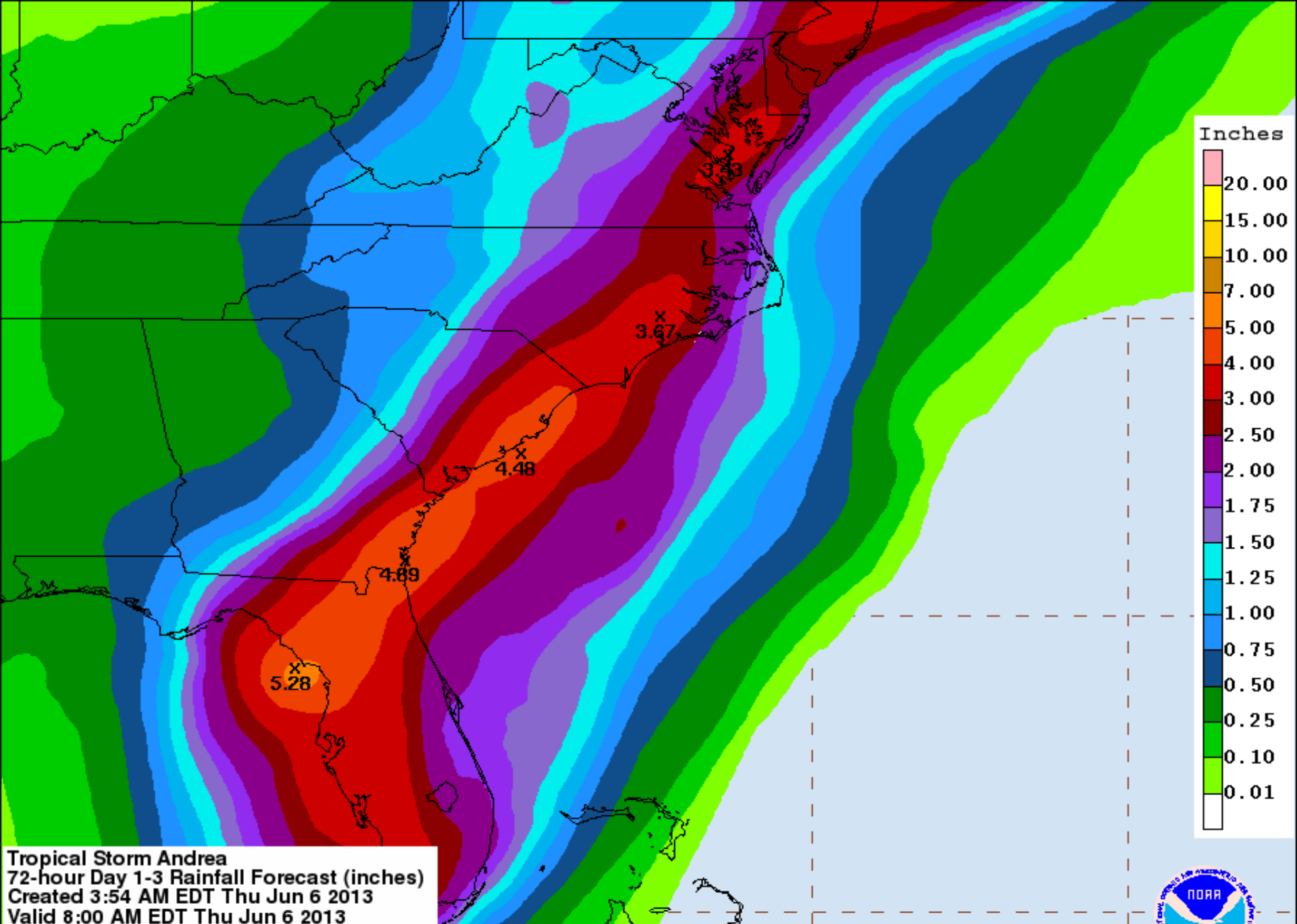
Plot generated at 0749 UTC 06 June 2013



Intensity (Maximum Wind Speed) Probability Table
Tropical Storm Andrea Advisory Number 3
4:00 AM CDT Jun 6 2013



Wind Range (mph)	Forecast Time						
	12 hour for 1 PM Thu	24 hour for 1 AM Fri	36 hour for 1 PM Fri	48 hour for 1 AM Sat	72 hour for 1 AM Sun	96 hour for 1 AM Mon	120 hour for 1 AM Tue
Dissipated	<1%	4%	8%	18%	27%	26%	23%
Tropical Depression (<39)	2%	25%	27%	32%	32%	28%	19%
Tropical Storm (39-73)	91%	67%	60%	46%	39%	42%	48%
Hurricane (all categories)	7%	5%	5%	4%	3%	4%	10%
-- Category 1 (74-95)	6%	5%	4%	4%	3%	4%	9%
-- 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	60 mph	45 mph	45 mph	45 mph	40 mph	40 mph	50 mph



Tropical Storm Andrea
72-hour Day 1-3 Rainfall Forecast (inches)
Created 3:54 AM EDT Thu Jun 6 2013
Valid 8:00 AM EDT Thu Jun 6 2013
through 8:00 AM EDT Sun Jun 9 2013
NOAA/NWS/NCEP/WPC

Local point maximum rainfall may be higher than shown.
See the WPC public advisories for the latest tropical cyclone information. 70



Local Tropical Storm Isaac Hazards Links

- 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 Jacksonville

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

Storm Surge

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



Lat: 28.3650 Lon: -80.1123

Legend

Height above NGVD-29 (feet)

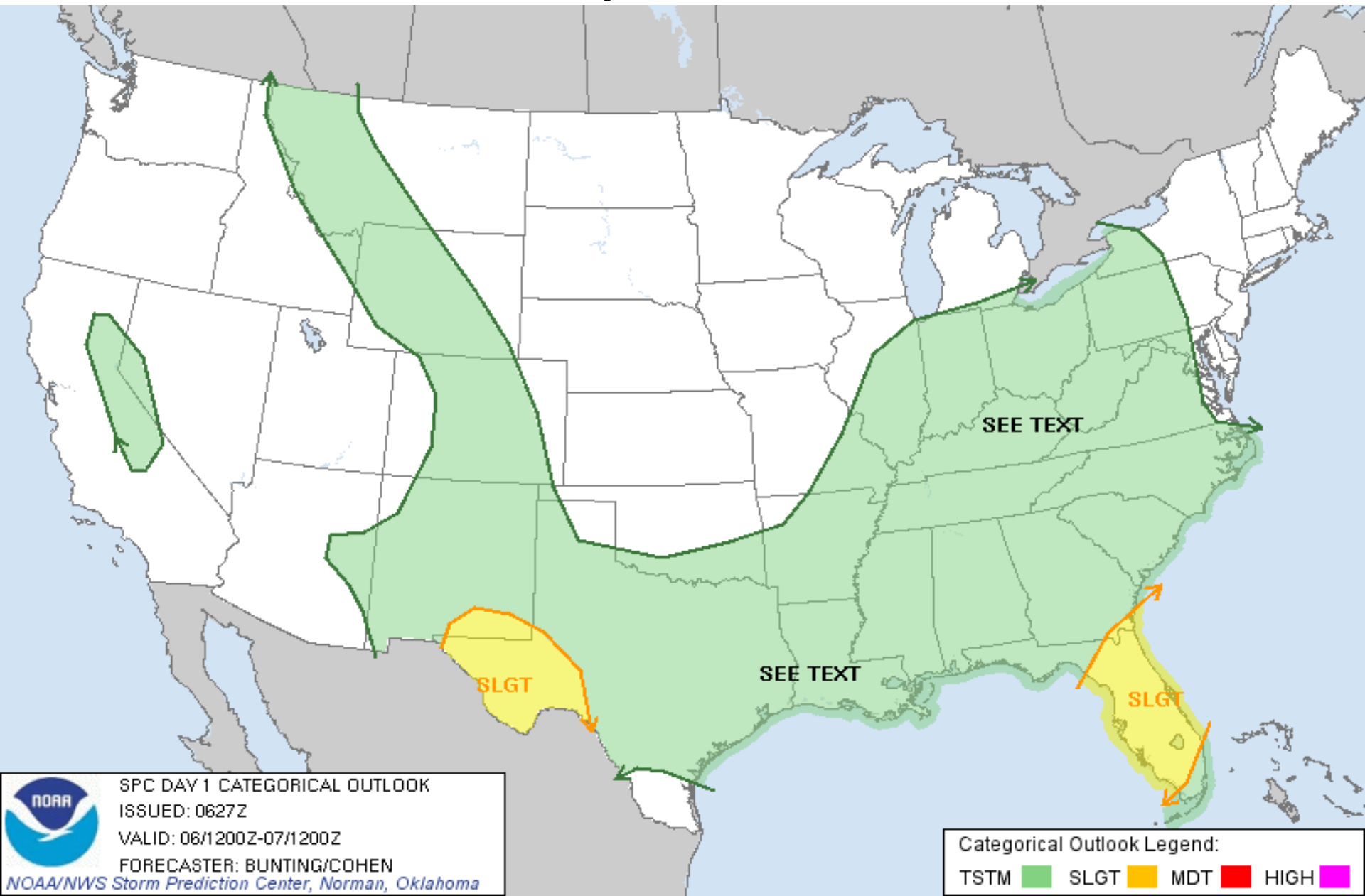
0 to < 2	11 to < 13	23 to < 25
2 to < 3	13 to < 15	25 to < 27
3 to < 5	15 to < 17	27 to < 29
5 to < 7	17 to < 19	29 to < 36
7 to < 9	19 to < 21	
9 to < 11	21 to < 23	

Disclaimer



Historical Data:
NHC this storm
NHC all storms
MDL

SPC Day 1 Outlook





Tornado Watch # 282 - Valid from 345 AM until 1100 AM EDT

Tropical Storm Andrea # 3

June 6, 2013

5 AM EDT Thursday

Current Location 27.0 N 85.9 W

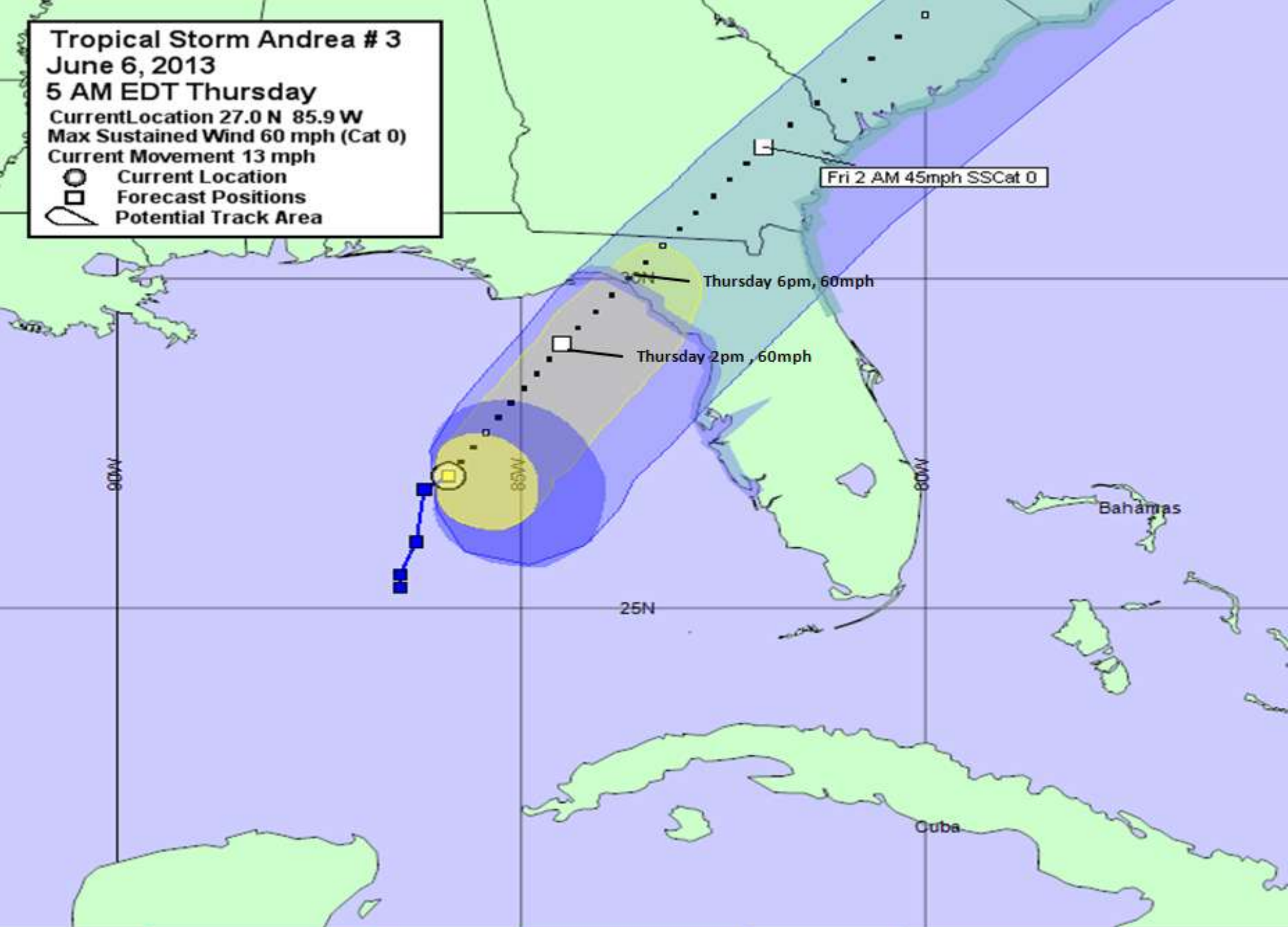
Max Sustained Wind 60 mph (Cat 0)

Current Movement 13 mph

○ Current Location

□ Forecast Positions

Potential Track Area



Tropical Storm Andrea # 3

June 6, 2013

5 AM EDT Thursday

Current Location 27.0 N 85.9 W

Max Sustained Wind 60 mph (Cat 0)

Current Movement 13 mph



Current Location

Forecast Positions

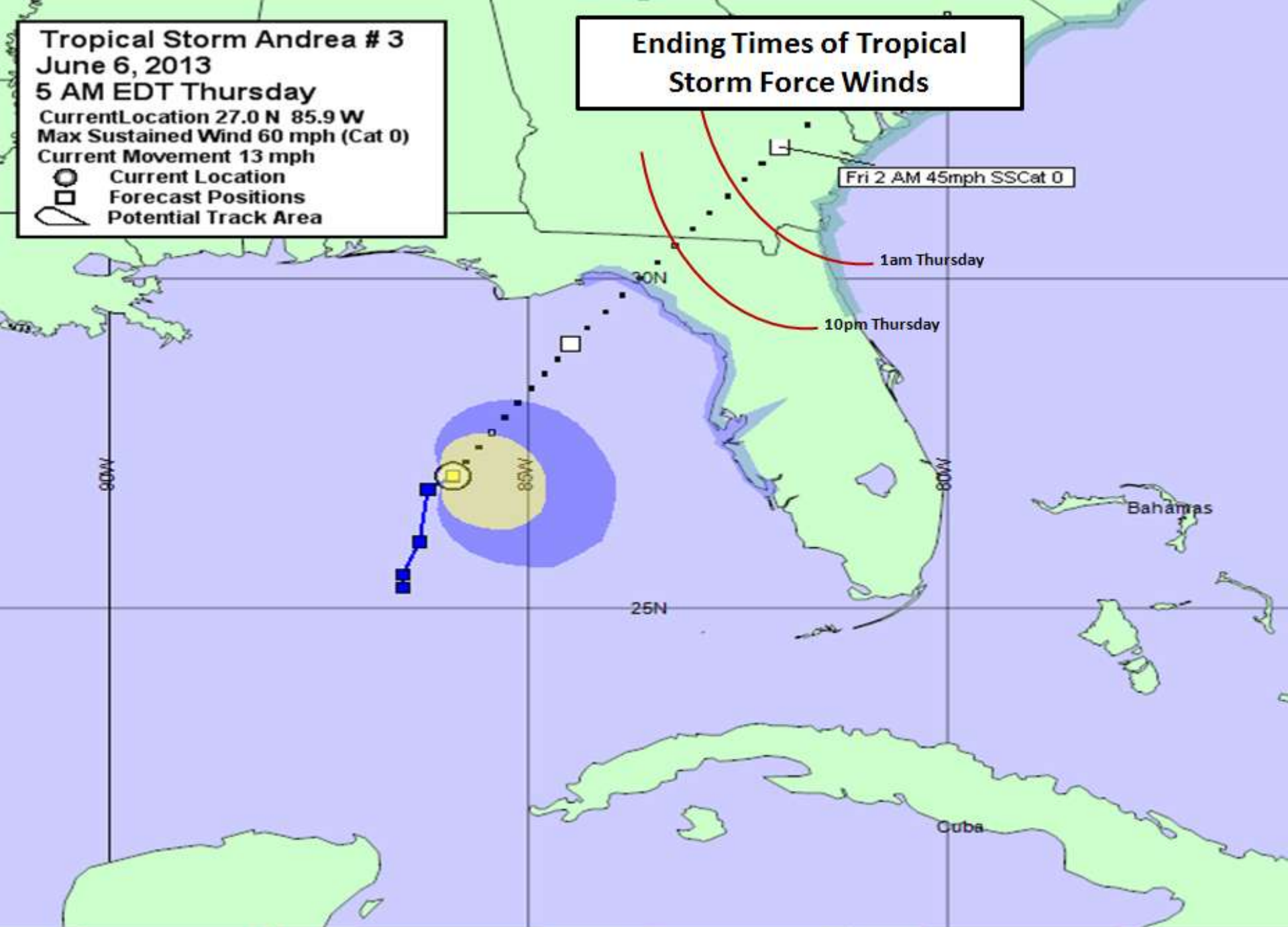
Potential Track Area

Ending Times of Tropical Storm Force Winds

Fri 2 AM 45mph SSCat 0

1am Thursday

10pm Thursday



Hurricane Warning

Hurricane Watch

Trop. Storm Warning

Trop. Storm Watch

Tropical Storm Andrea # 3

June 6, 2013

5 AM EDT Thursday

Current Location 27.0 N 85.9 W

Max Sustained Wind 60 mph (Cat 0)

Current Movement 13 mph

Current Location

Forecast Positions

Potential Track Area

Start of Tropical Storm Force winds

Fri 2 AM 45mph SSCat 0

1am, Thursday

5pm, Thursday

1pm, Thursday

Bahamas

Cuba

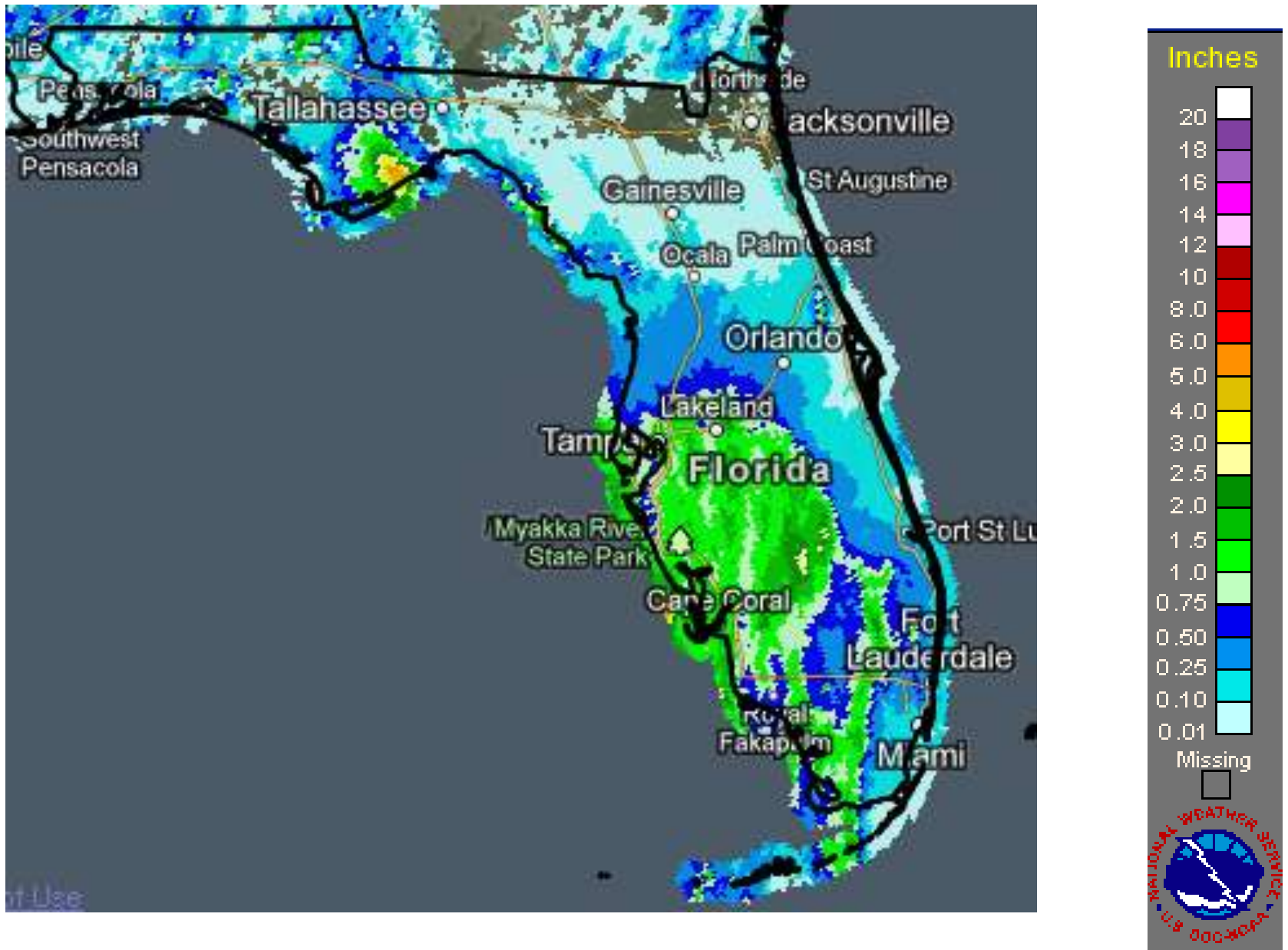
Hurricane Warning

Hurricane Watch

Trop. Storm Warning

Trop. Storm Watch

Rainfall in the last 12 hours



- 5am Thursday Summary:
- At 5am Tuesday, Tropical Storm Andrea was located in the northeastern Gulf of Mexico about 220 miles west-southwest of Tampa, Florida, or approximately 195 miles south-southwest of Apalachicola, Florida.
- Maximum sustained winds have increased overnight and are now around 60mph, mainly on the east side of the storm. The forward speed has also increased and Andrea is now moving north-northeast 13 mph.
- A turn to the northeast along with an increase in forward speed is expected today as it is steered ahead of an approaching cold front.
- Andrea is likely near peak intensity as wind shear and dry air near the storm should be unfavorable enough to preclude any strengthening.
- NOAA Hurricane Hunters will continue to monitor the strength of the system until landfall.
- Computer model track guidance, along with the official NHC forecast, take the center of TS Andrea into the Florida Big Bend region later today and then into southeastern Georgia tonight before moving quickly up the US eastern seaboard through the weekend while gradually weakening.
- Regardless of the track, the primary effects from the storm are already impacting the state, with heavy rainfall expected across much of the Florida Peninsula, minor storm surge coastal flooding along the West Coast of Florida, and isolated tornadoes along the Florida Peninsula. Wind from the tropical storm is not expected to be significant.
- Florida outlook:
- Tropical Storm Warnings have been extended and now stretch from Boca Grande (Charlotte County) to Indian Pass (Franklin County) along the Gulf Coast and from Flagler Beach (Flagler County) northward into Virginia. Inland counties of Madison, Hamilton, Suwannee, Lafayette, Gilchrist, Columbia, Alachua, Baker, Bradford, Union, Clay, Putnam, Marion, Lake, and Desoto are also included in the Tropical Storm Warning.
- Portions of the Florida Big Bend and northern Florida Peninsula have a 30-60% chance of receiving tropical storm force winds within the next 24 hours.
- The combination of storm surge and high tide today could result in water rises of 2-4 feet from Tampa Bay northward into Apalachee Bay, resulting in minor to moderate coastal beach erosion and minor flooding of low lying areas near the coast. Breaking waves could reach as high as 6 feet at the coast and be as high as 8-12 feet offshore.
- Rainfall totals of 1-3 inches, with isolated areas up to 6 inches, has already fallen across much of Florida during the past 48 hours. An additional 3-6 inches may occur today along much of the Florida Peninsula and Florida Big Bend, with locally higher amounts up to 8 inches possible.
- Flood Watches remain in effect for Southwest Florida, all of Central Florida and Northeast Florida, with a Flash Flood Watch for the Florida Big Bend and some eastern Panhandle Counties.
- Any rainfall amounts above 3 inches within a 3 hours period could lead to flash flooding of localized areas. Run-off from daily rainfall may continue to affect some North Florida rivers and creeks in the days ahead and there is a chance that some rivers and creeks may rise into flood stage by this weekend.
- Isolated tornadoes remain a threat today. The Storm Prediction Center has placed much of the Florida Peninsula in a slight risk of severe weather today and a Tornado Watch is in effect for Central and South Florida until 11am. Tornado Watches will likely be extended into this afternoon.