

# NWS Miami Briefing on Chantal

★ *Wednesday, July 10, 9 AM*

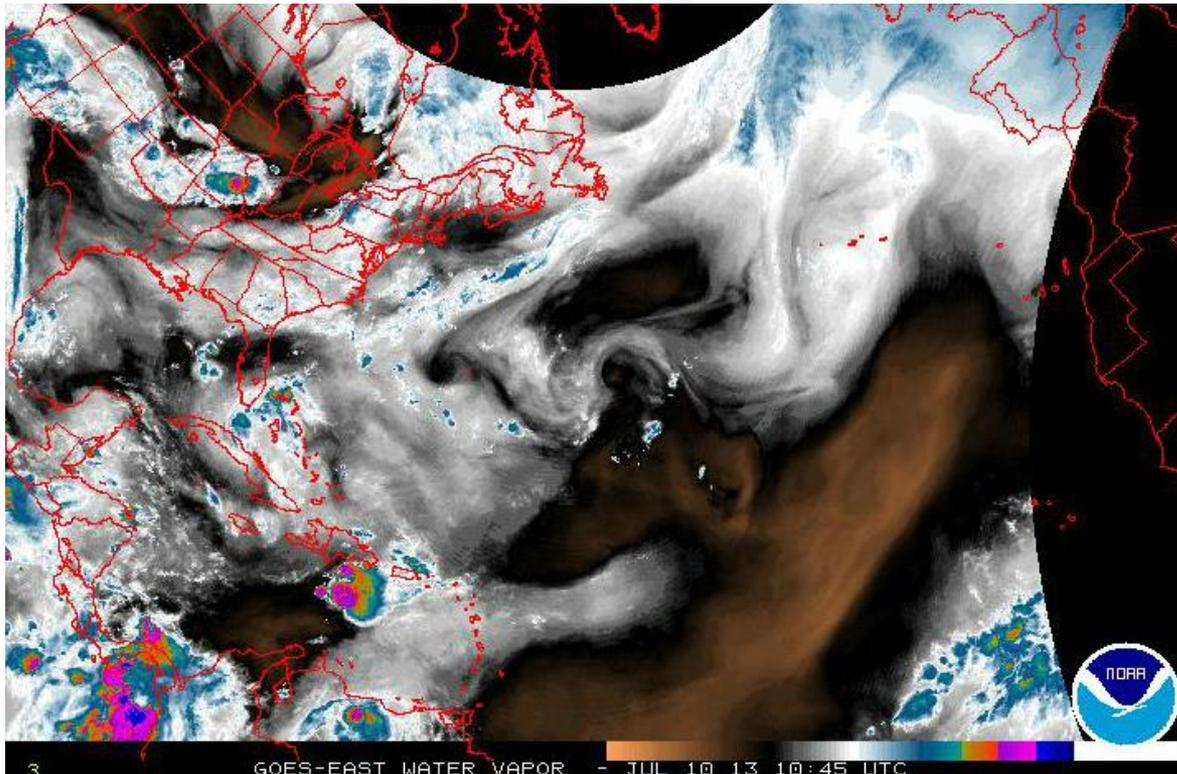
National Weather Service

Miami/South Florida

Forecast Office



# Morning Satellite Image and Latest Trends

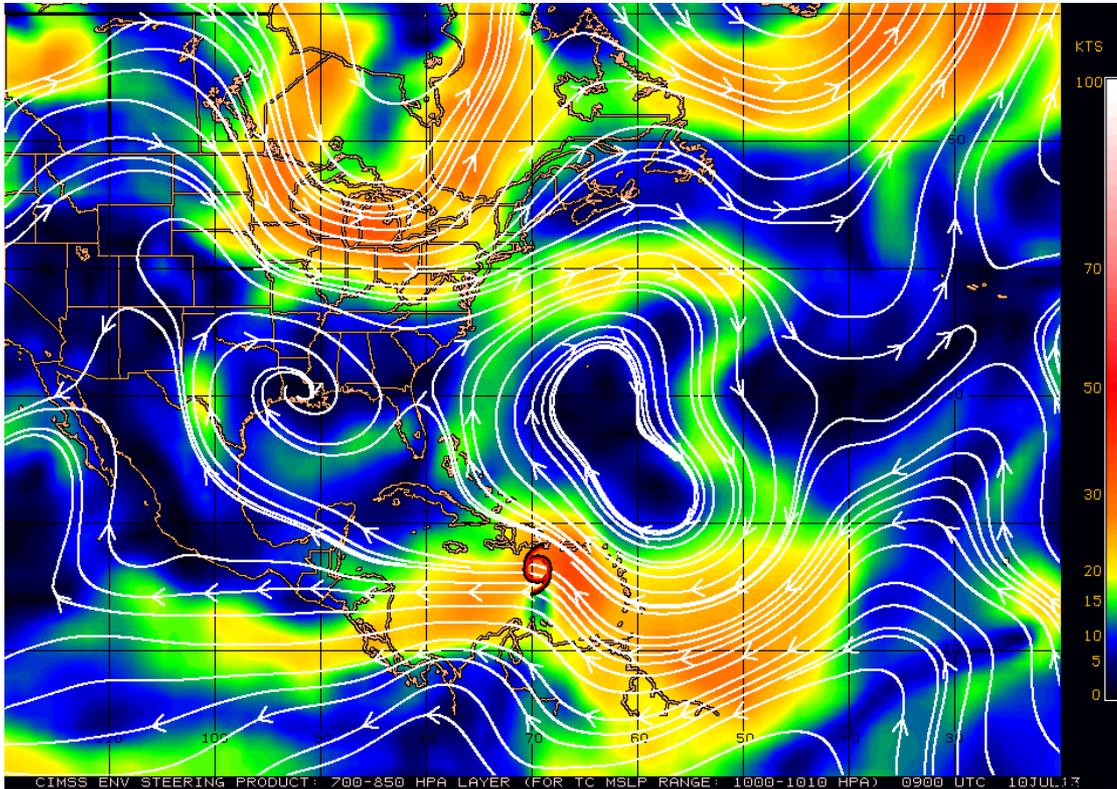


- Chantal still moving fast towards the west encountering strong wind shear ahead of it as well as dry air in its path.
- Result: Weakening with poor satellite presentation.

**8 AM Prelim: Max wind: 45 mph Moving: West 29 mph**



# Steering Flow

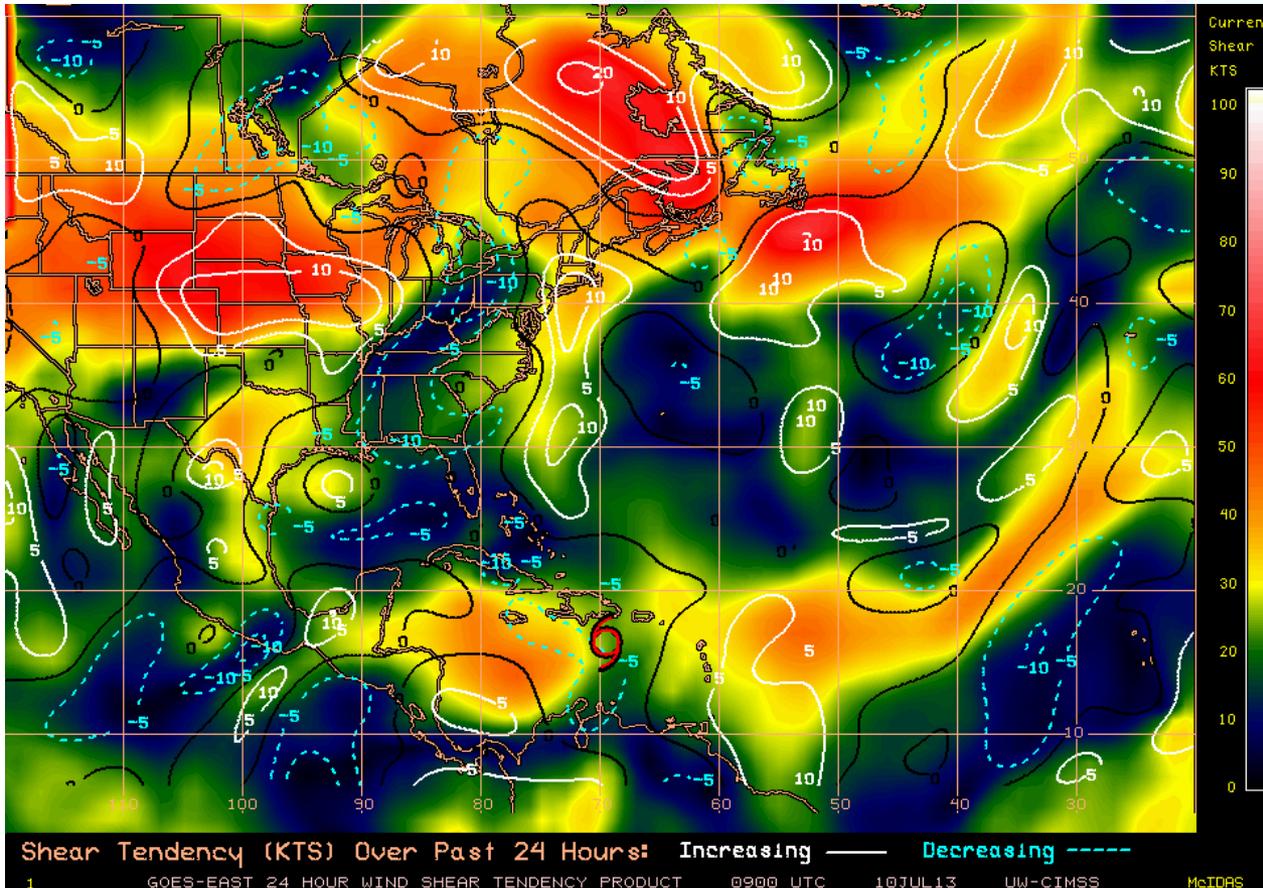


- Steering Mechanism: Strong ridge of high pressure north of the Islands.

Courtesy of CIMMS: <http://tropic.ssec.wisc.edu/real-time/atlantic/winds/wg8dlm1.GIF>



# Wind Shear

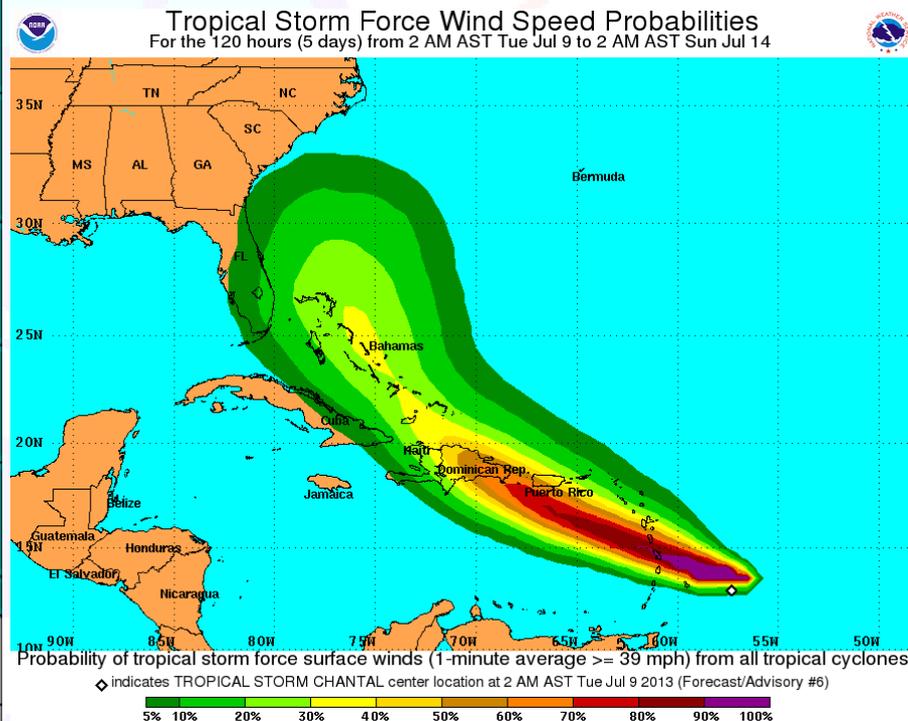
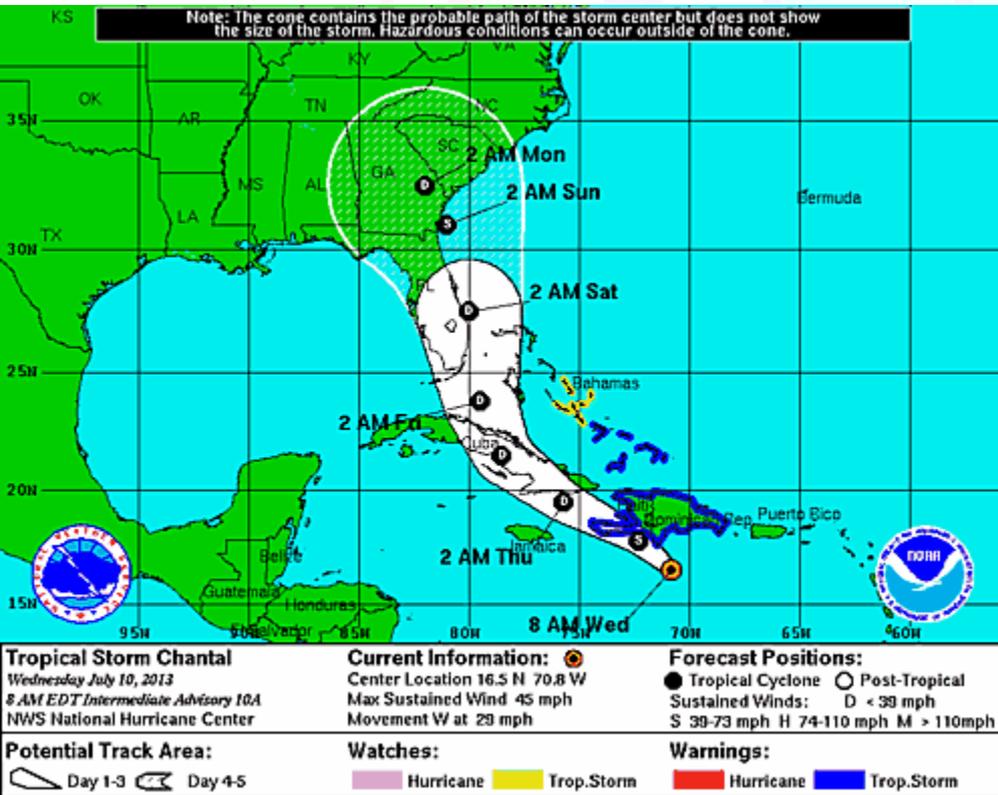


- Notice strong wind shear ahead of the system across central Caribbean.

Courtesy of CIMMS: <http://tropic.ssec.wisc.edu/real-time/atlantic/winds/wg8sht.GIF>



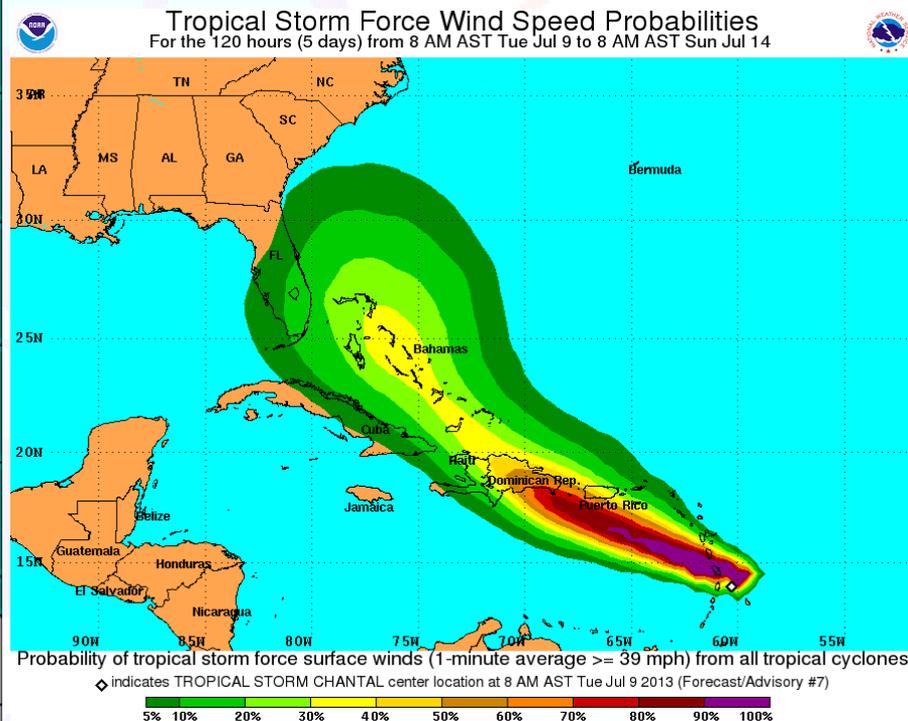
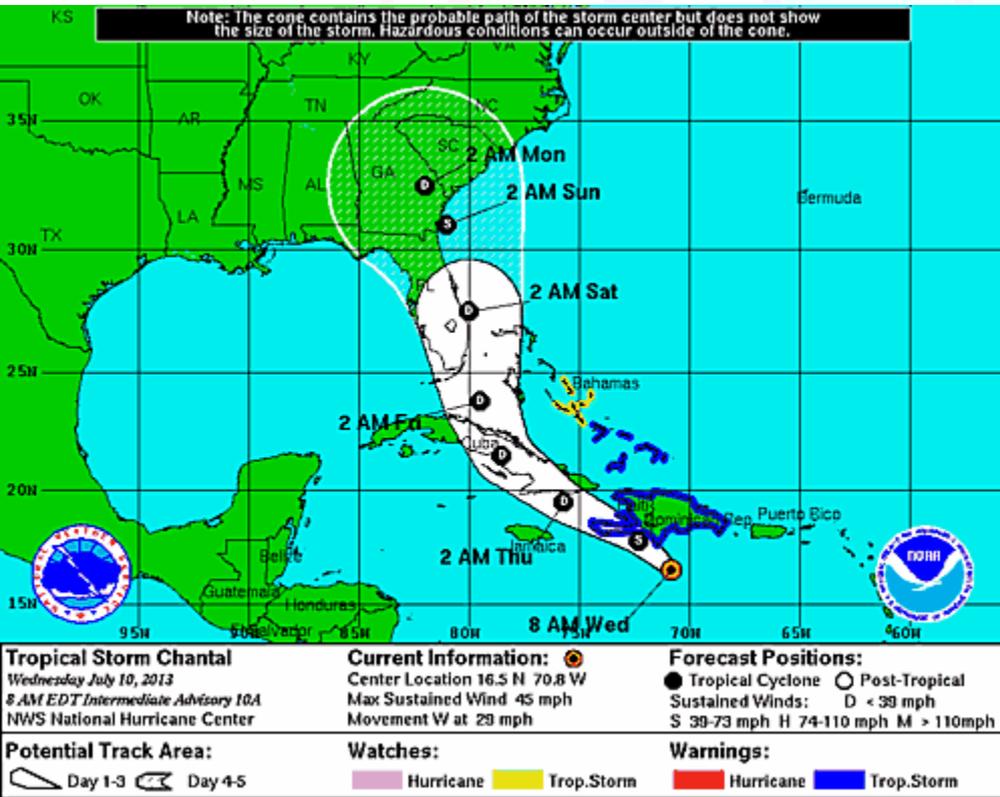
# Official Forecast



- Track: Forecast is for storm to move through vicinity of SFLA on Friday as a depression.
- Notice decreasing trends in tropical storm wind speed probabilities.



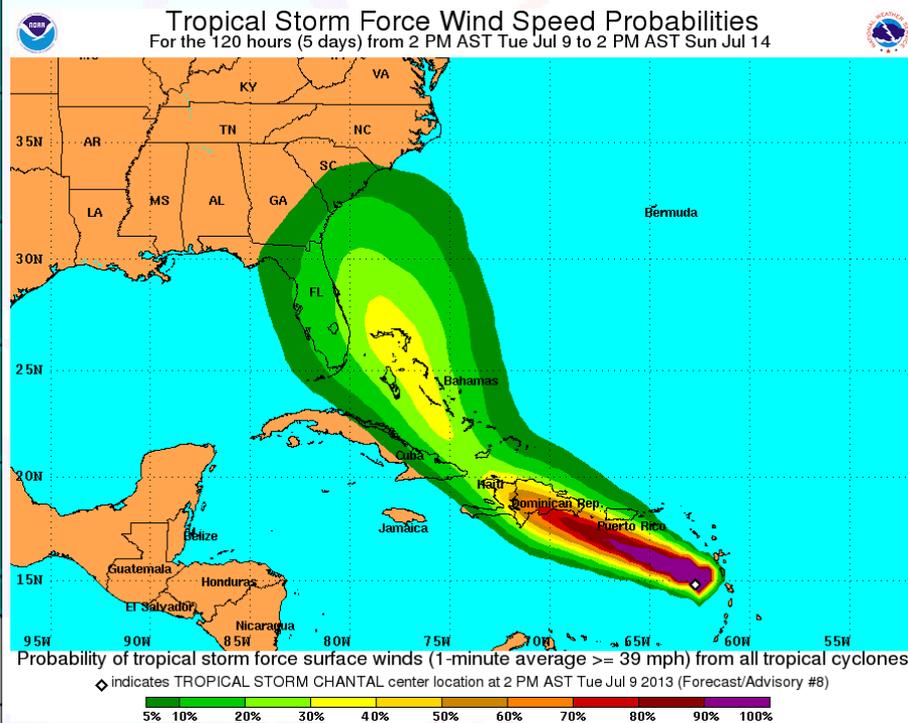
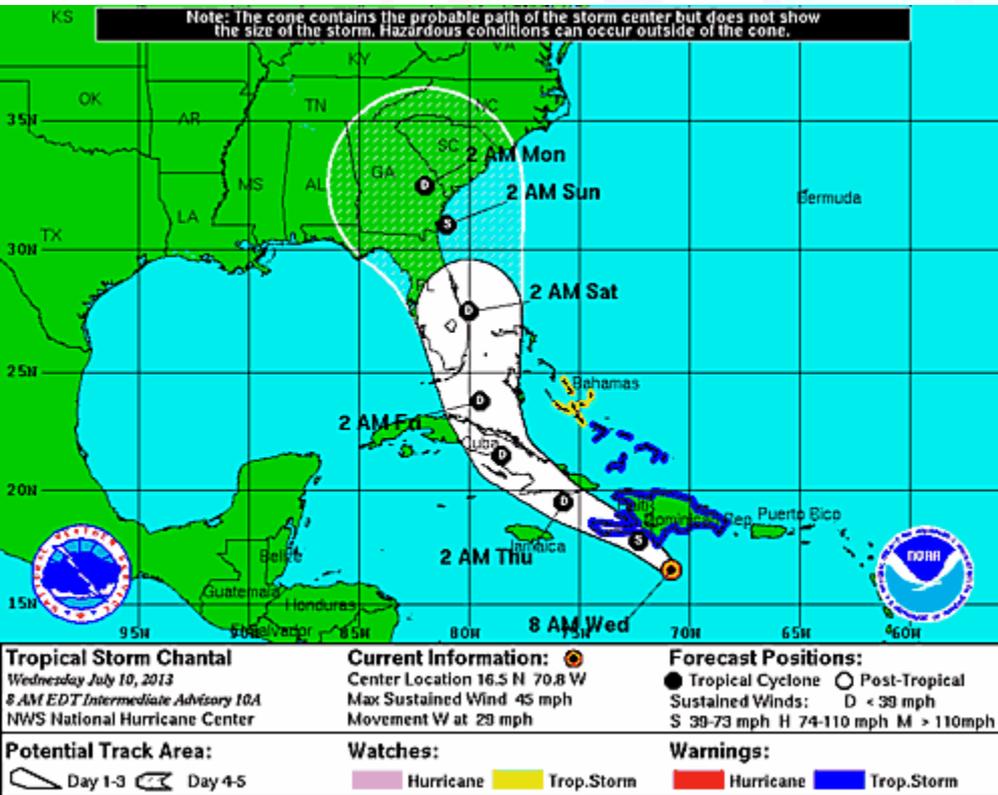
# Official Forecast



- Track: Forecast is for storm to move through vicinity of SFLA on Friday as a depression.
- Notice decreasing trends in tropical storm wind speed probabilities.



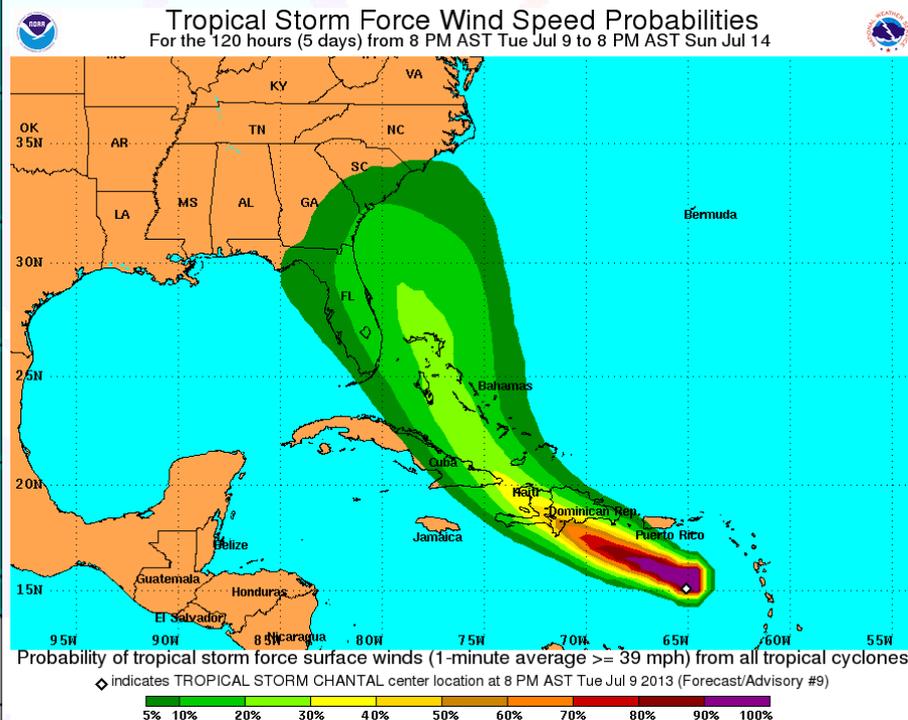
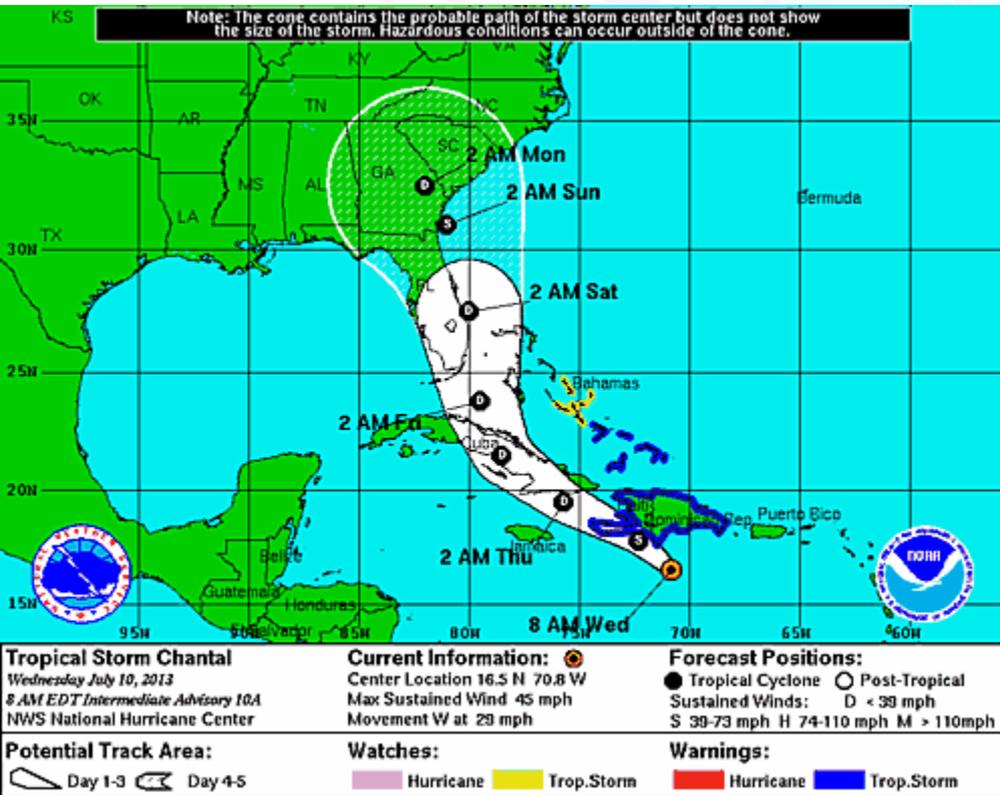
# Official Forecast



- Track: Forecast is for storm to move through vicinity of SFLA on Friday as a depression.
- Notice decreasing trends in tropical storm wind speed probabilities.



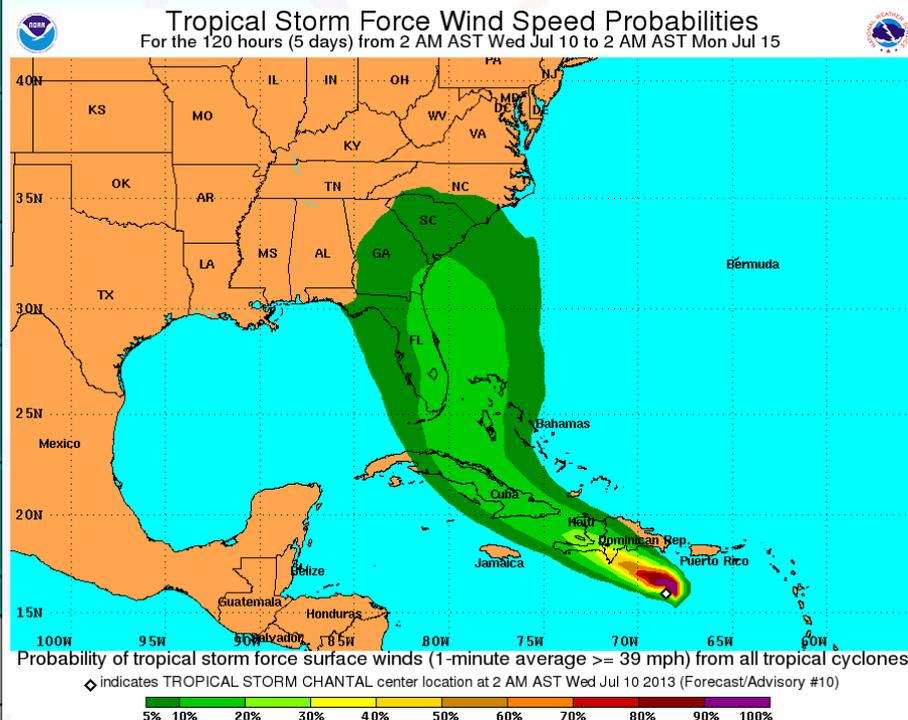
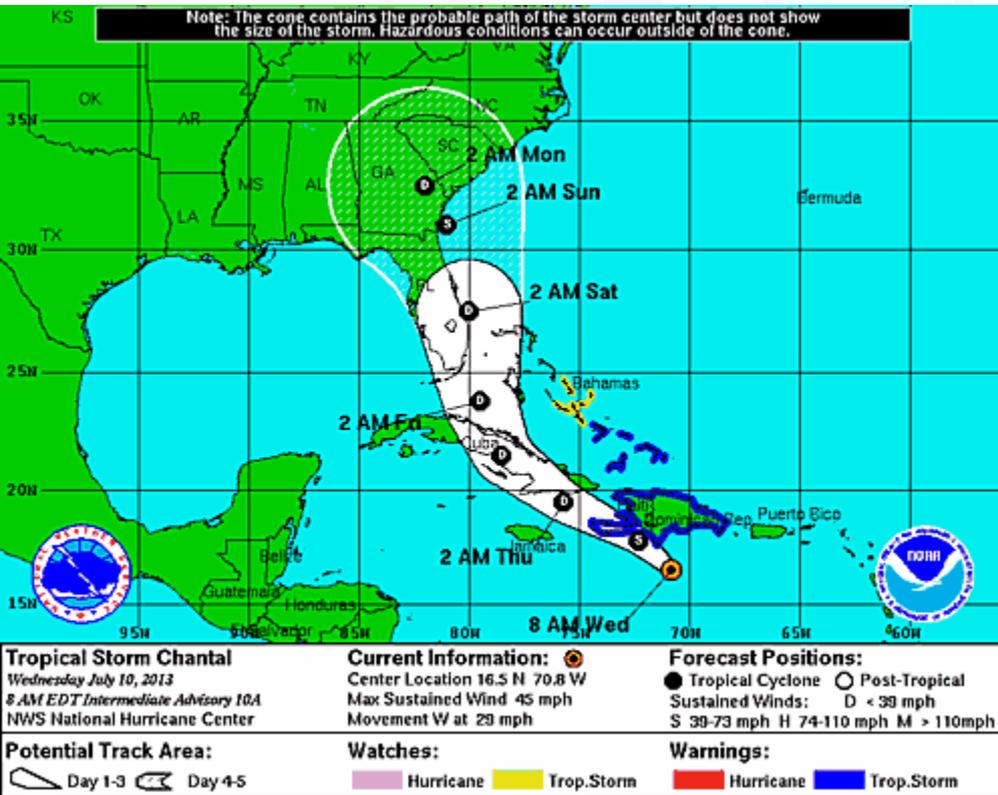
# Official Forecast



- Track: Forecast is for storm to move through vicinity of SFLA on Friday as a depression.
- Notice decreasing trends in tropical storm wind speed probabilities.



# Official Forecast



- Track: Forecast is for storm to move through vicinity of SFLA on Friday as a depression.
- Notice decreasing trends in tropical storm wind speed probabilities.

# Official Forecast

Intensity (Maximum Wind Speed) Probability Table  
 Tropical Storm Chantal Advisory Number 10  
 5:00 AM AST Jul 10 2013



Wind Range (mph)	Forecast Time						
	12 hour for 2 PM Wed	24 hour for 2 AM Thu	36 hour for 2 PM Thu	48 hour for 2 AM Fri	72 hour for 2 AM Sat	96 hour for 2 AM Sun	120 hour for 2 AM Mon
Dissipated	1%	10%	15%	19%	26%	29%	38%
Tropical Depression (<39)	31%	49%	45%	41%	36%	31%	31%
Tropical Storm (39-73)	67%	40%	38%	37%	36%	37%	29%
Hurricane (all categories)	1%	1%	2%	2%	2%	3%	2%
-- Category 1 (74-95)	1%	1%	2%	2%	2%	3%	2%
-- Category 2 (96-110)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
-- Category 3 (111-129)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
-- Category 4 (130-156)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
-- Category 5 (>156)	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Forecast Maximum Wind	40 mph	35 mph	35 mph	35 mph	35 mph	40 mph	30 mph

- Notice Intensity-wise, chances of storm moving across vicinity of South Florida as a depression or tropical storm are still about the same.
- Notice it could dissipate as well.

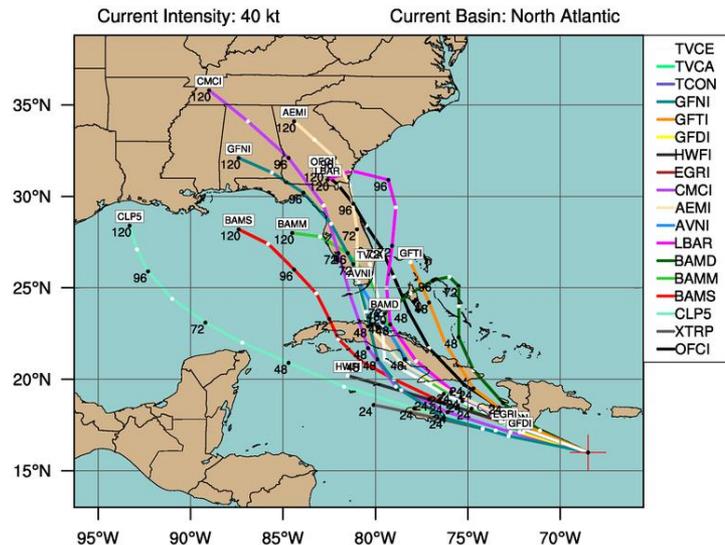


# Model Guidance and Trends



## TROPICAL STORM CHANTAL (AL03)

Early-cycle track guidance initialized at 0600 UTC, 10 July 2013



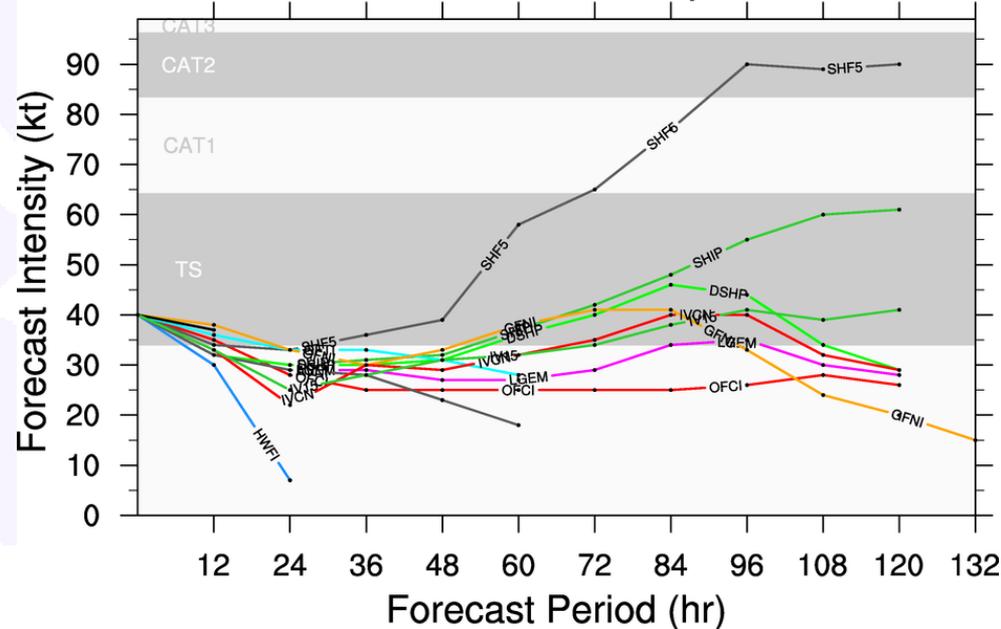
By using this plot, the user agrees to the UCAR Terms of Use which can be accessed at: <http://www2.ucar.edu/terms-of-use>

Plot generated at 0749 UTC 10 July 2013



## TROPICAL STORM CHANTAL (AL03)

Early-cycle intensity guidance initialized at 0600 UTC, 10 July 2013



By using this plot, the user agrees to the UCAR Terms of Use which can be accessed at: <http://www2.ucar.edu/terms-of-use>

Plot generated at 0749 UTC 10 July 2013

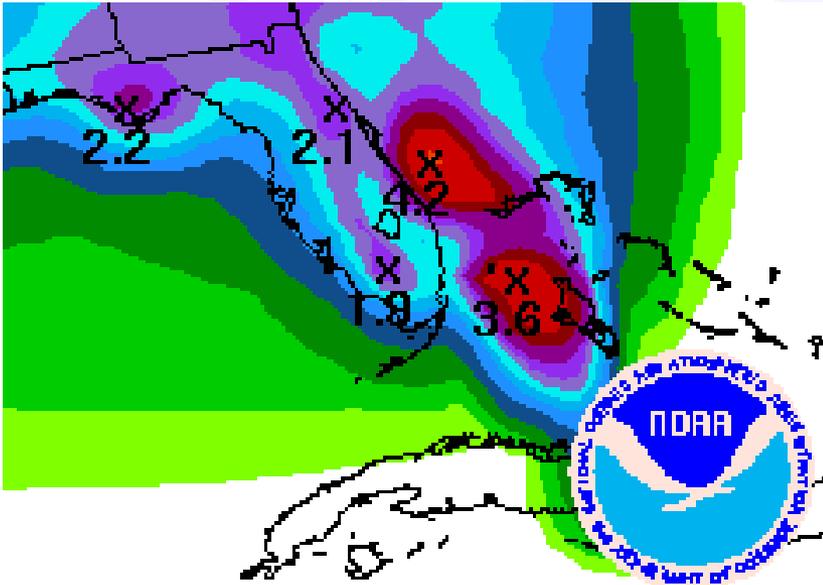


- Track: Model spread has increased since yesterday meaning greater uncertainty.
- Intensity: Official forecast calls for a depression in vicinity of South Florida by Friday but we could still potentially be dealing with a tropical storm somewhere across the area



# Potential South FL Impacts

## **RAIN/FLOODING**



- 2-4 inches area-wide through Sunday.
- At this time, significant flooding is not a concern.
- However, this could change. Depending how the system evolves, there is a potential for much higher local amounts so we will have to monitor this.



# Summary

## Potential South FL Impacts



- Trends are for minimal impacts across the area and official forecast reflects that. There is even a potential that the system be downgraded later today.
- Main concern at this time is still the potential for some locally heavy rainfall through the weekend regardless whether the system is an open wave, a depression, or a tropical storm.
- However, there is still a potential that tropical storm force winds could be felt across South Florida anytime from Friday on through Saturday. At this time, there are no more details that can be provided as far as the wind goes.
- Caution: should the system strengthen and approach the area as a tropical storm, we would be going into watches or warnings sometime over the next two days with very little notice. Should that happen more detailed information will be made available at that time.



# Social Media



- Facebook:

[www.facebook.com/US.NationalWeatherService.Miami.gov](http://www.facebook.com/US.NationalWeatherService.Miami.gov)

- Twitter: <https://twitter.com/NWSMiami>

**We also monitor EM/county/city social media sites.** Please pass along your social media links to us so we can monitor.