



# **TROPICAL UPDATE**

**5 PM EDT**

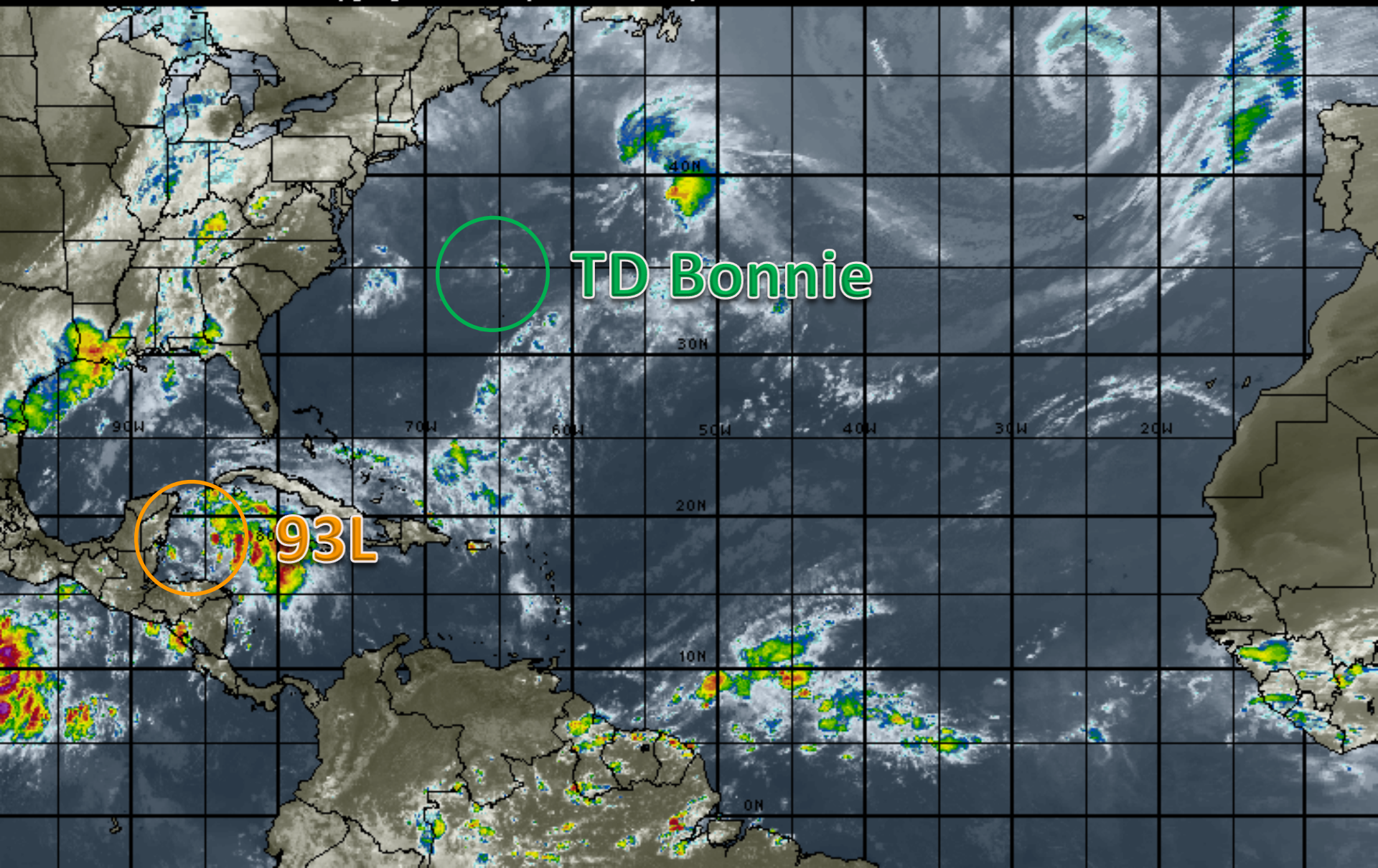
**Saturday, June 4, 2016**

**Invest 93L**

**This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office or visit the National Hurricane Center website at [www.nhc.noaa.gov](http://www.nhc.noaa.gov).**

# Atlantic Basin Satellite Image

18:00 04-JUN-2016 GMT ©Copyright WSI Corporation <http://www.wsi.com>







# Two-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



All Disturbances

Satellite Image from  
1:00 pm EDT Jun 4

BONNIE

www.hurricanes.gov

100W

1  
(70%)

E. PACIFIC  
OUTLOOK

2:00 pm EDT  
Sat Jun 4 2016

80W

70W

60W

50W

40W

30W

20W

45N

35N

25N

15N

5N

Current Disturbances and Two-Day Cyclone Formation Chance: < 40% 40-60% > 60%  
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane  
 Post-Tropical Cyclone Remnants



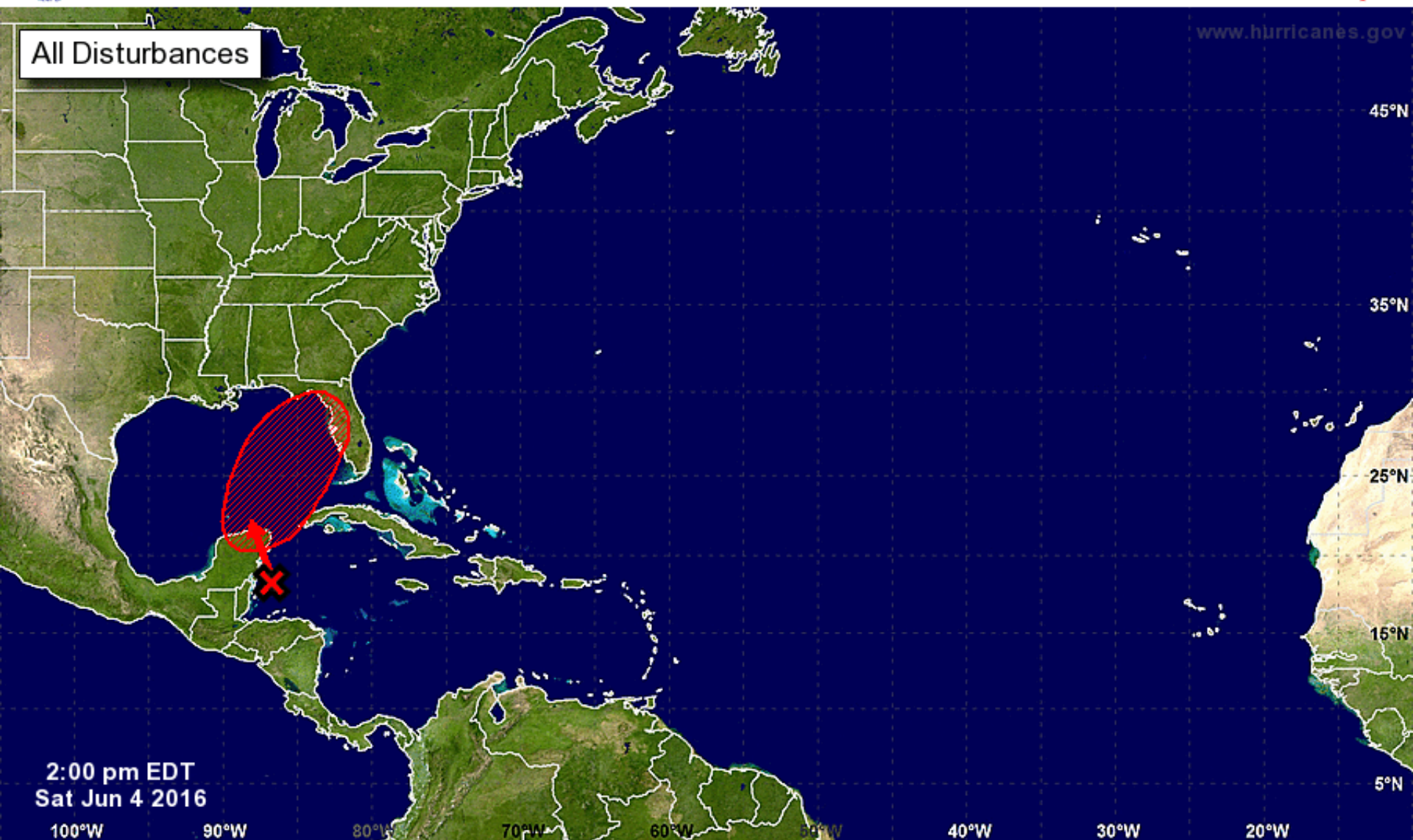
# Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



[www.hurricanes.gov](http://www.hurricanes.gov)

All Disturbances



Tropical Cyclone Formation Potential for the Five-Day Period Ending at 2:00 pm EDT Thu Jun 9 2016

Chance of Cyclone Formation in Five Days: ■ Low < 40% ■ Medium 40-60% ■ High > 60%

X indicates current disturbance location; shading indicates potential formation area.



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**8 AM Sat Jun 4 2016**

**Position 16.6 86.6W**

**Maximum Winds 35 mph**

**Movement W at 10 mph**

Blue Marble Basemap Imagery courtesy NASA

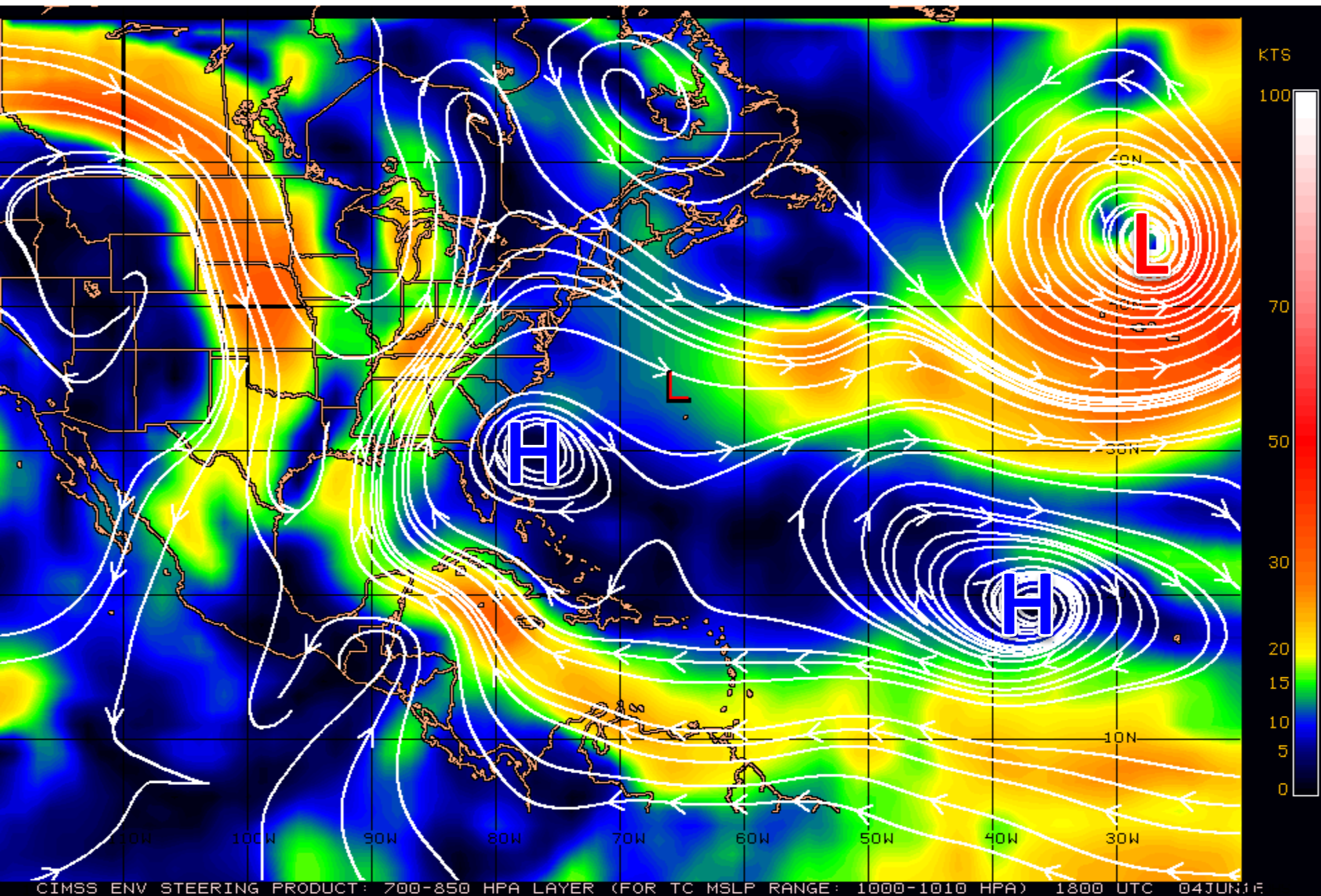
**Satellite 6:29 PM UTC**

**6:29 PM GMT**

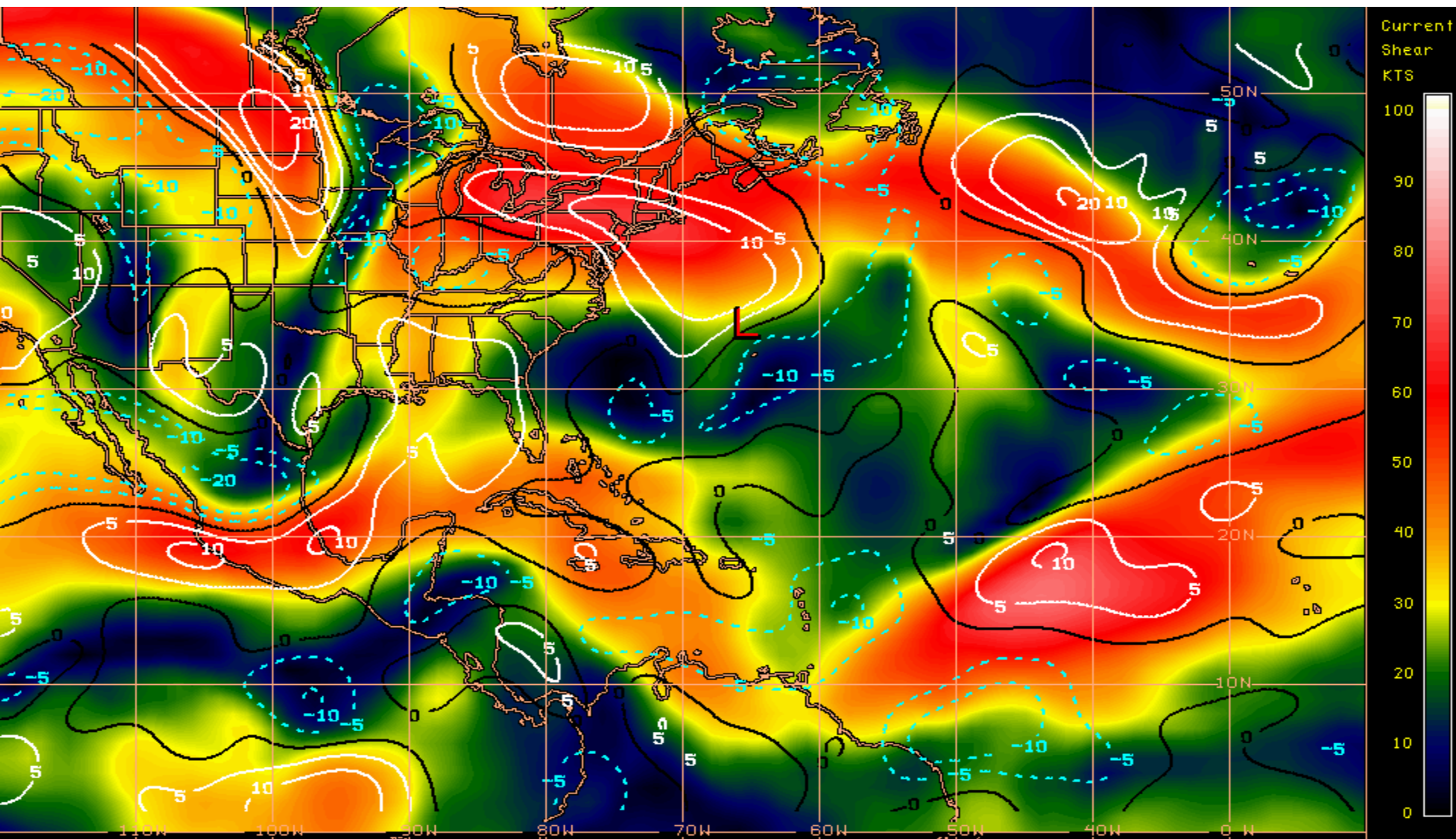




# Steering Currents



# Current Wind Shear (Shaded) and Shear Tendency (Lines)

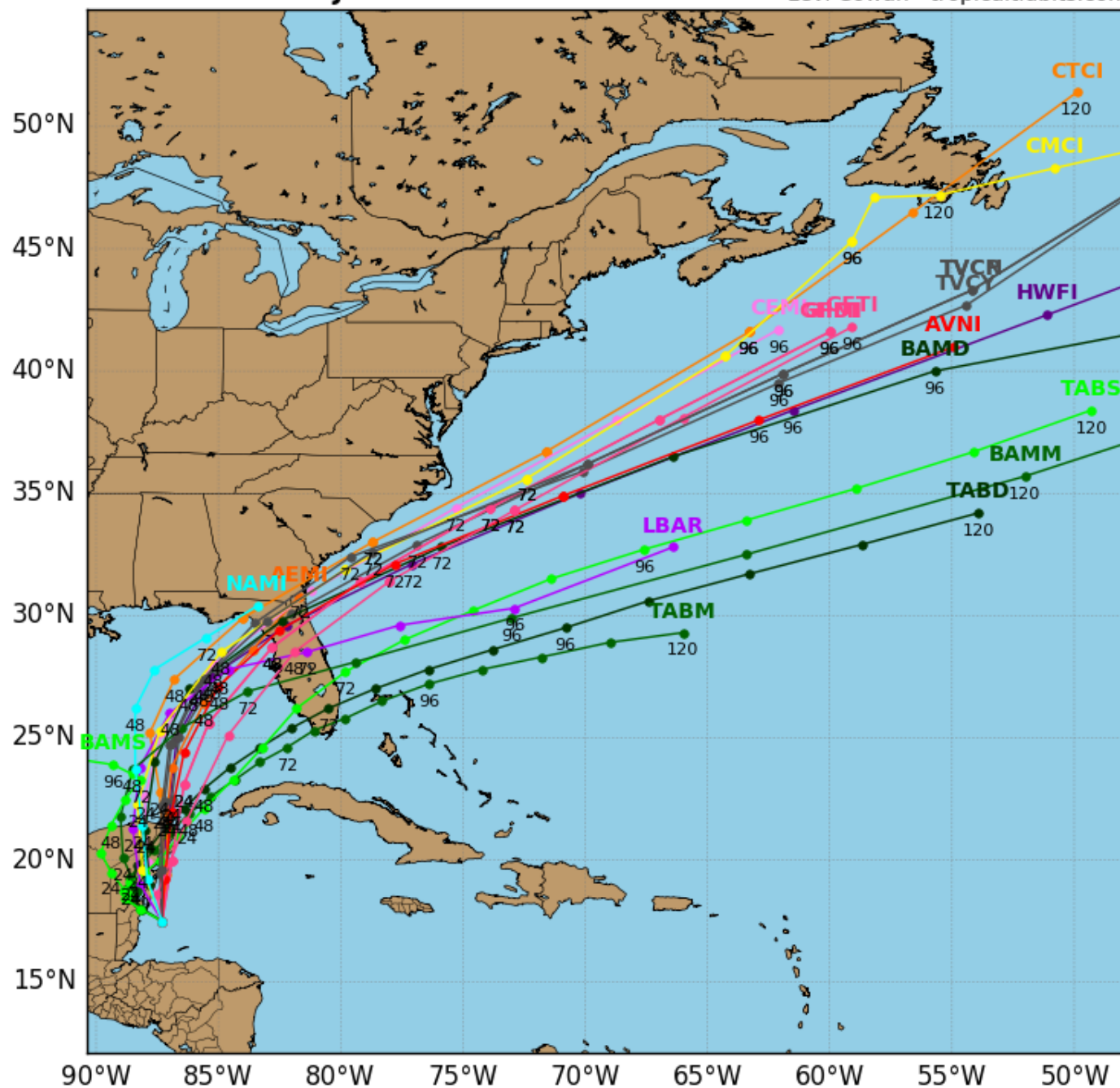


Shear Tendency (KTS) Over Past 24 Hours: Increasing — Decreasing ----

# Invest 93L Model Track Guidance

Initialized at 18z Jun 04 2016

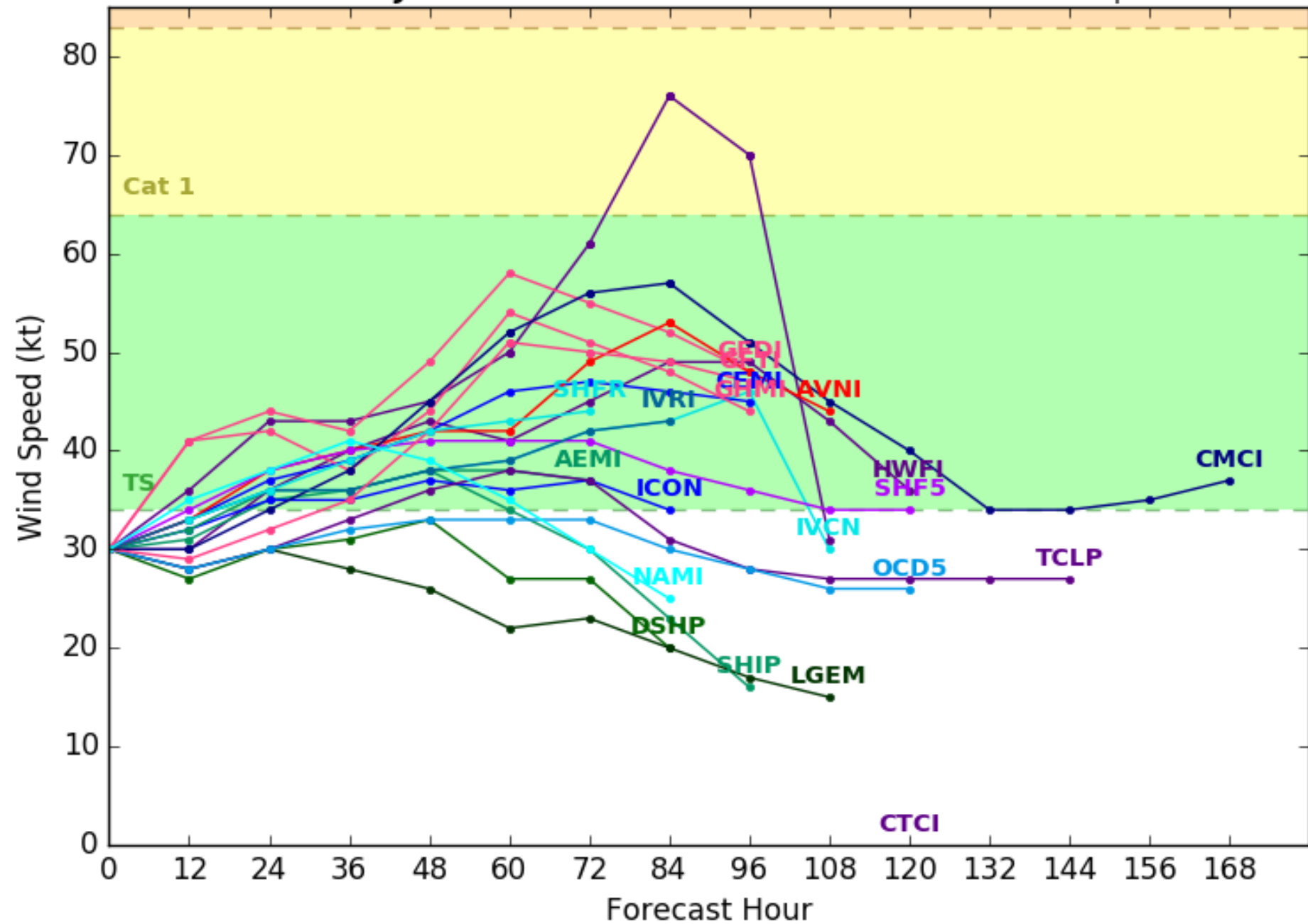
Levi Cowan - [tropicaltidbits.com](http://tropicaltidbits.com)



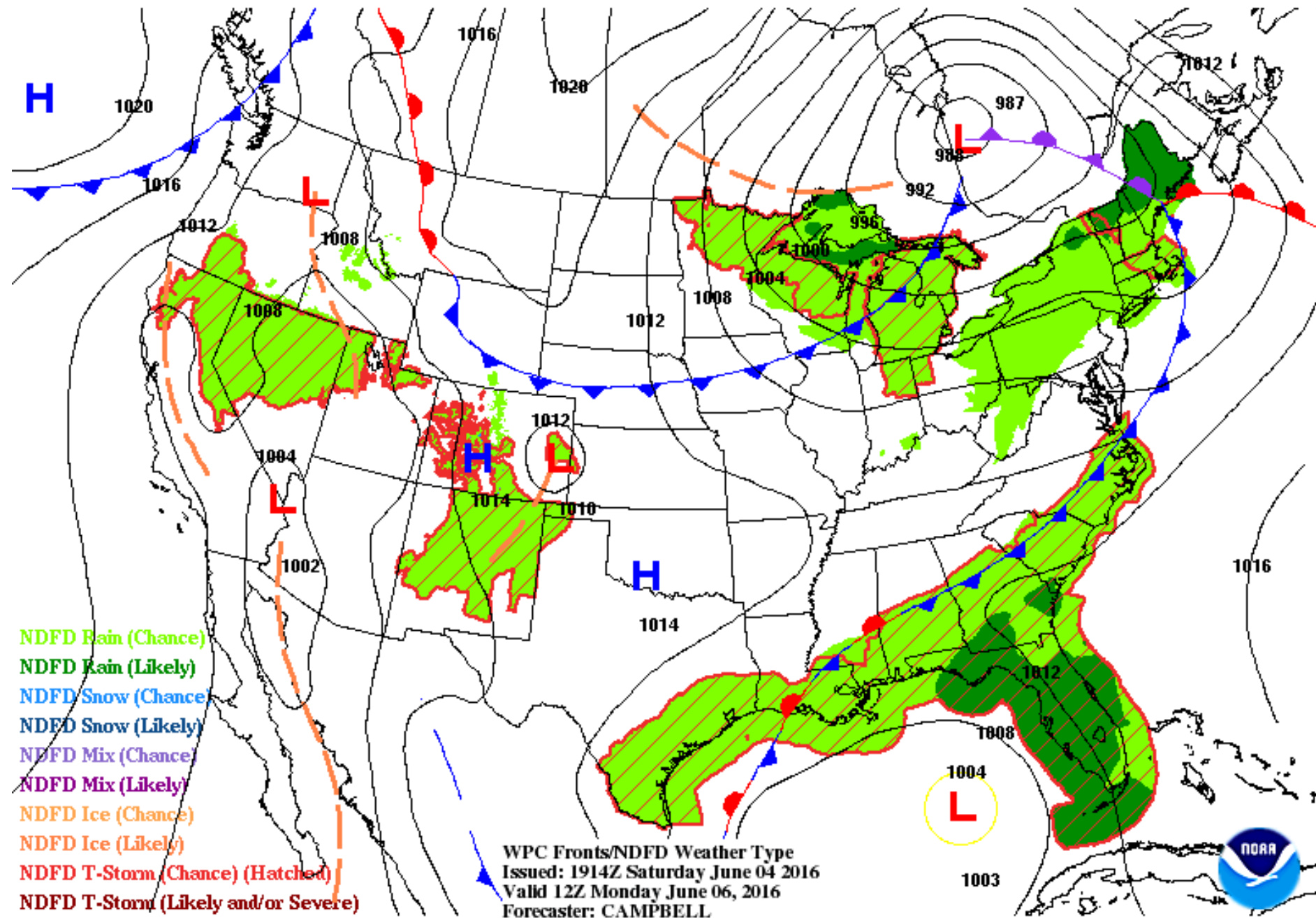


**Initialized at 18z Jun 04 2016**

Levi Cowan - [tropicaltidbits.com](http://tropicaltidbits.com)

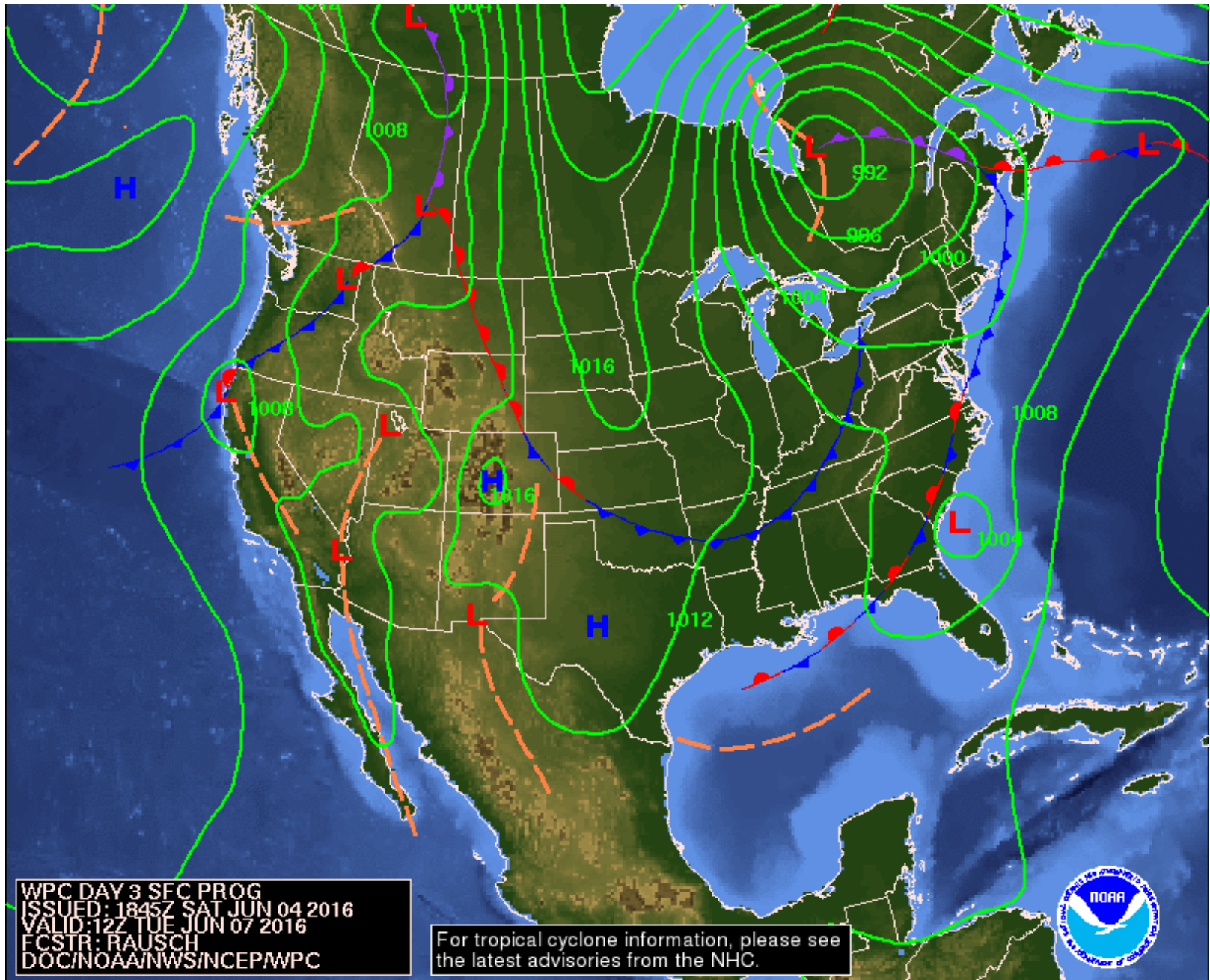


# Monday (06/06) Weather Map

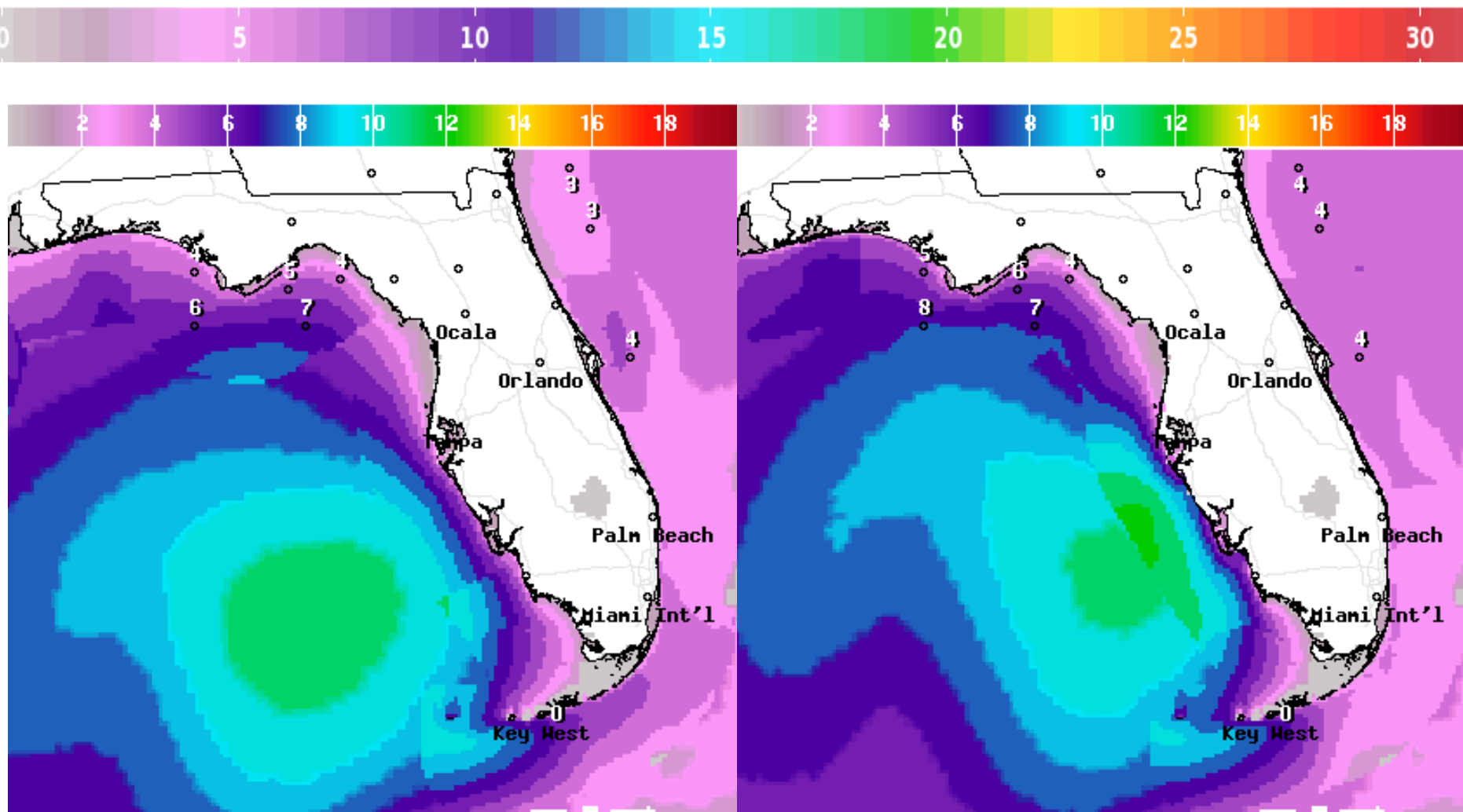




# Tuesday (06/07) Weather Map



# Forecast Wave Heights – Monday



Wave Height(ft) Ending Mon Jun 06 2016 2PM EDT

(Mon Jun 06 2016 18Z)



**National Digital Forecast Database**

04z issuance

Graphic created-Jun 04 12:37AM EDT



Wave Height(ft) Ending Mon Jun 06 2016 8PM EDT

(Tue Jun 07 2016 00Z)



**National Digital Forecast Database**

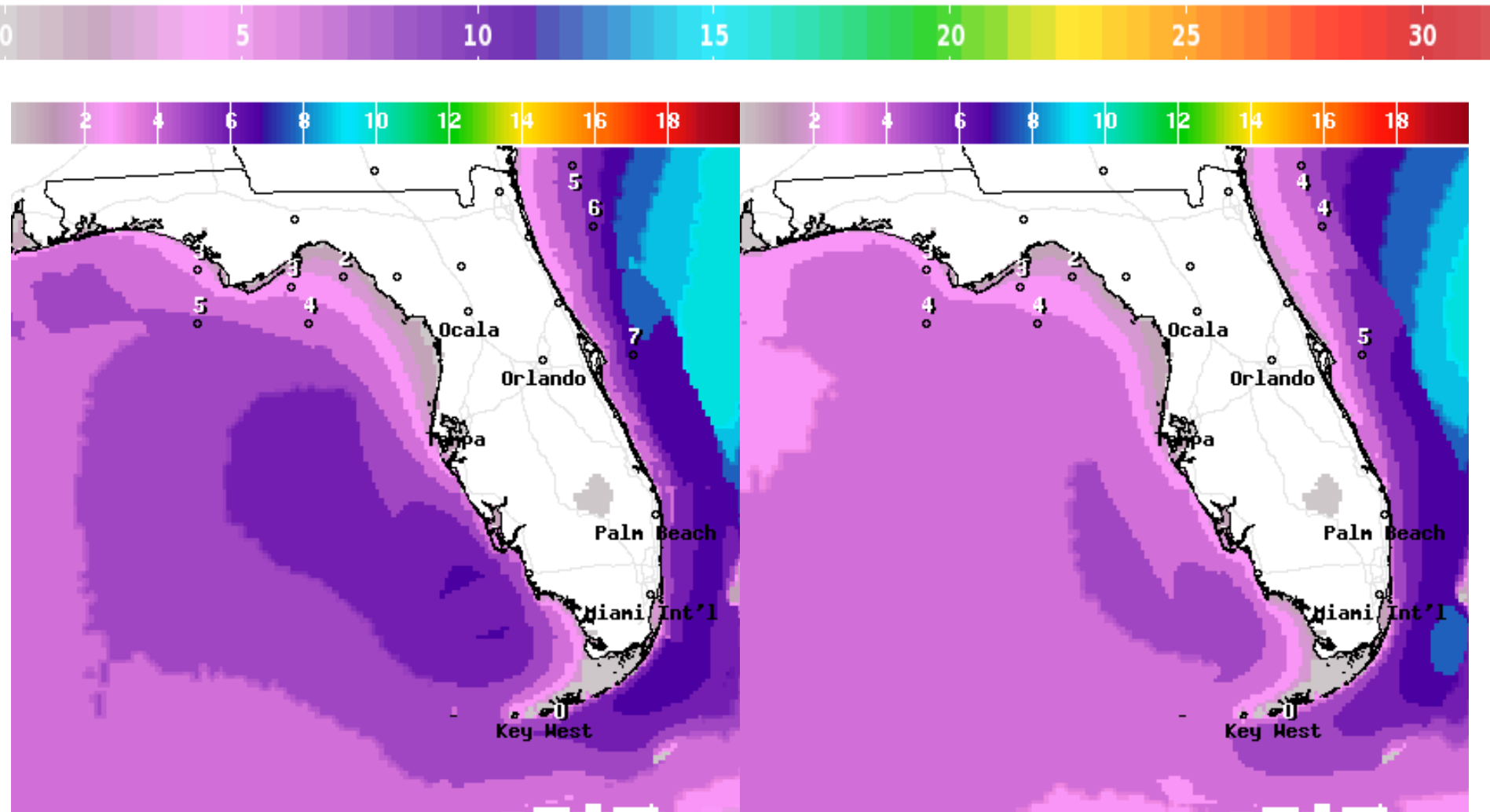
04z issuance

Graphic created-Jun 04 12:37AM EDT





# Forecast Wave Heights – Tuesday



Wave Height(ft) Ending Tue Jun 07 2016 2PM EDT

(Tue Jun 07 2016 18Z)



**National Digital Forecast Database**

01z issuance Graphic created-Jun 03 9:45PM EDT



Wave Height(ft) Ending Tue Jun 07 2016 8PM EDT

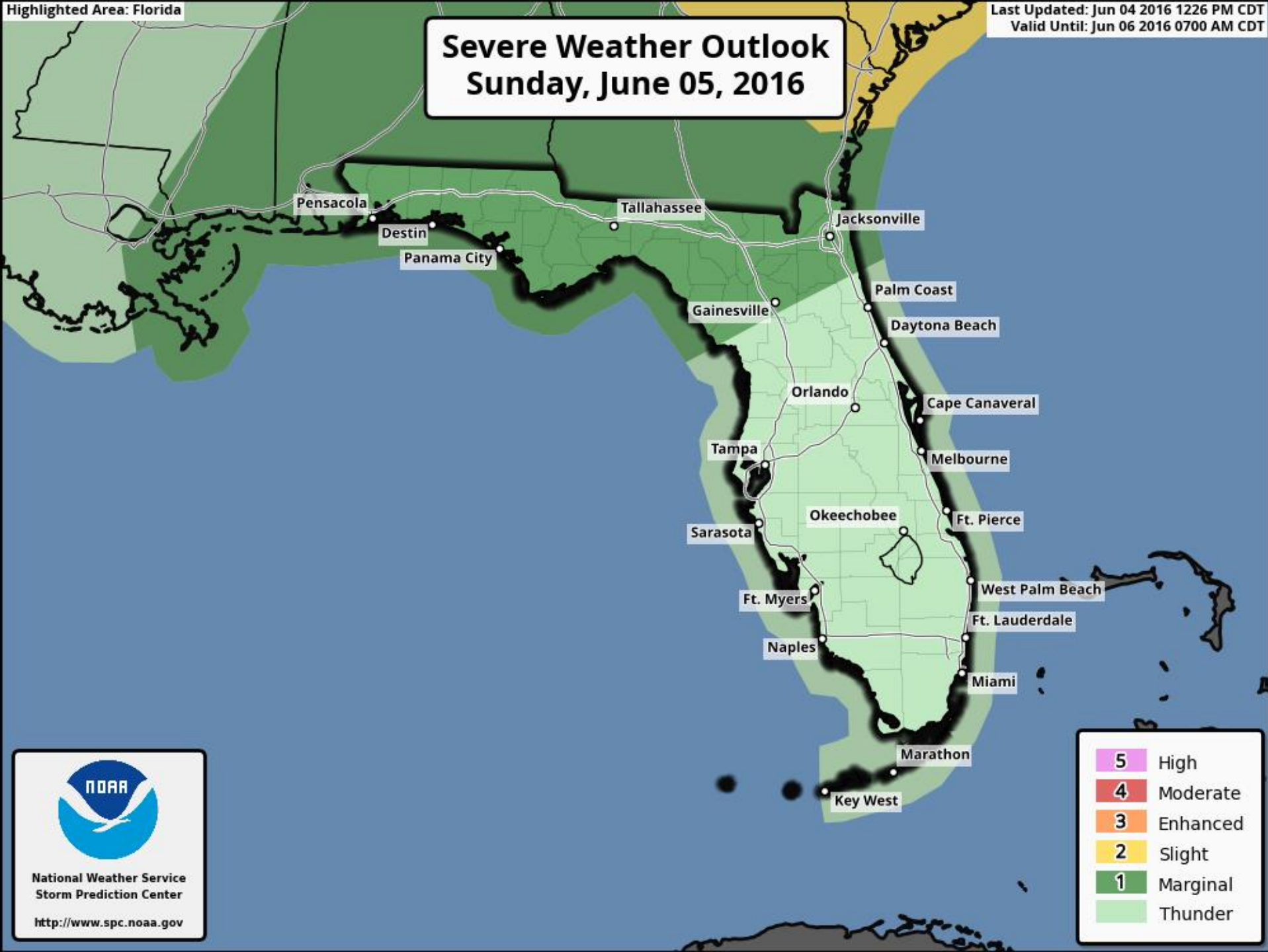
(Wed Jun 08 2016 00Z)

**National Digital Forecast Database**

01z issuance Graphic created-Jun 03 9:45PM EDT



# Severe Weather Outlook Sunday, June 05, 2016

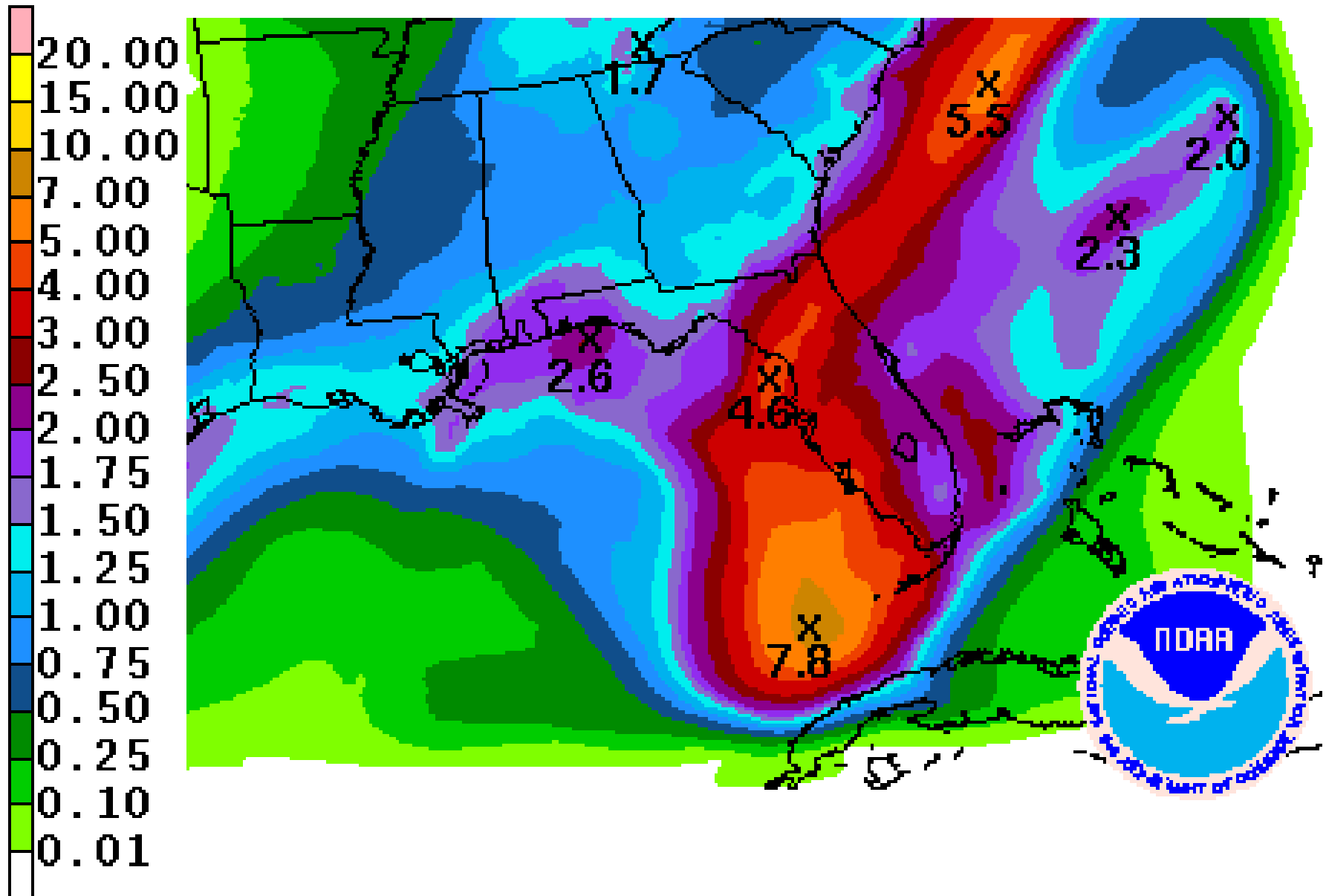


National Weather Service  
Storm Prediction Center

<http://www.spc.noaa.gov>



# *Forecast Total Rainfall Accumulations (Saturday Through Wednesday)*



# Summary

## **General Outlook:**

- Satellite and surface observations indicate that the disturbance in the northwest Caribbean near the Yucatan Peninsula is developing a broad area of low pressure, although it remains poorly organized.
- As of 2pm EDT, the National Hurricane Center is still giving the disturbance a 70% chance of tropical cyclone development over the next 48 hours and an 80% chance of tropical cyclone development over the next five days.
- It is expected to develop further as it moves over the Yucatan Peninsula and into the southern Gulf of Mexico through Sunday, and is likely to develop into a tropical cyclone as it moves through the central and eastern Gulf on Monday.
- Forecast models are in fairly good agreement on the timing of impact to Florida on Monday and Tuesday, but its forecast track and intensity remain somewhat uncertain.
- Most models are forecasting a landfall somewhere along the Nature Coast, trending slightly north since this morning, and are now predicting a weak to moderate tropical storm as it approaches Florida, trending toward slightly stronger intensity since this morning.
- A Hurricane Hunter reconnaissance aircraft is scheduled to investigate the disturbance Sunday afternoon.
- The next name on the 2016 Atlantic storm name list is Colin.
- Elsewhere, Tropical Depression Bonnie is moving east into the Atlantic at 14 mph and is expected to become post-tropical overnight.

## **Florida Outlook:**

- This system is expected to move quickly across the Gulf. Current timing suggests impacts could be felt in the Keys as early as overnight Sunday, spreading north along the West Coast throughout the day Monday and affecting the Florida Peninsula through Tuesday evening.
- The primary impacts expected from this system are heavy rain and flooding. Widespread rainfall amounts could range from 2 to 5 inches throughout the Peninsula, with isolated amounts up to 10 inches possible north of the I-4 corridor.
- Regardless of development, an increased risk of rip currents, minor coastal erosion, severe storms with damaging winds, and isolated tornadoes are possible impacts associated with this system.
- Severe weather is forecast for North Florida on Sunday in association with an approaching cold front, and severe weather is possible for Central and South Florida on Monday and Tuesday.

Another briefing packet will be issued Sunday morning. For more information, visit the NHC website at [www.nhc.noaa.gov](http://www.nhc.noaa.gov).





# TROPICAL UPDATE

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State Meteorological Support Unit

Florida Division of Emergency Management

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