



# **TROPICAL UPDATE**

**5 PM EDT**

**Saturday, October 28, 2017**

**Tropical Depression 18**

**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).**



# TROPICAL STORM PHILIPPE

5:00 PM EDT

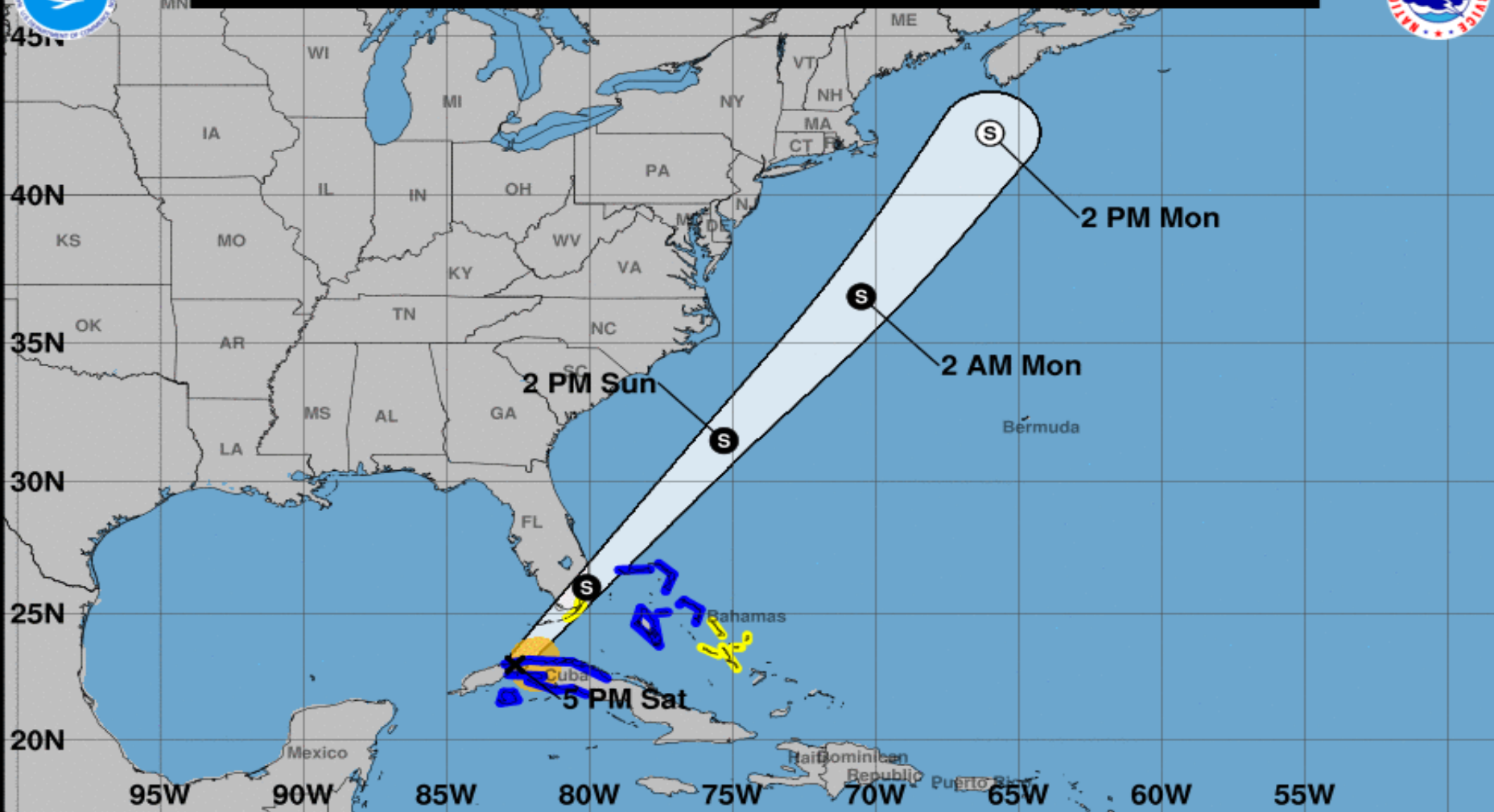
LAT: 23.0°N LON: 82.6°W  
120 MI SSW OF KEY WEST FLORIDA

WINDS: 40 MPH  
PRESSURE: 1002 mb  
MOVING: N at 29 MPH





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 Philippe

Saturday October 28, 2017

5 PM EDT Advisory 5

NWS National Hurricane Center

## Current information: x

Center location 23.0 N 82.6 W

Maximum sustained wind 40 mph

Movement N at 29 mph

## Forecast positions:

● Tropical Cyclone ○ Post/Potential TC

Sustained winds: D < 39 mph

S 39-73 mph H 74-110 mph M > 110 mph

## Potential track area:

Day 1-3 Day 4-5

## Watches:

Hurricane Trop Stm

## Warnings:

Hurricane Trop Stm

## Current wind extent:

Hurricane Trop Stm



# TROPICAL STORM PHILIPPE

## ALERTS

HURRICANE  
WATCH

HURRICANE  
WARNING

TROPICAL STORM  
WATCH

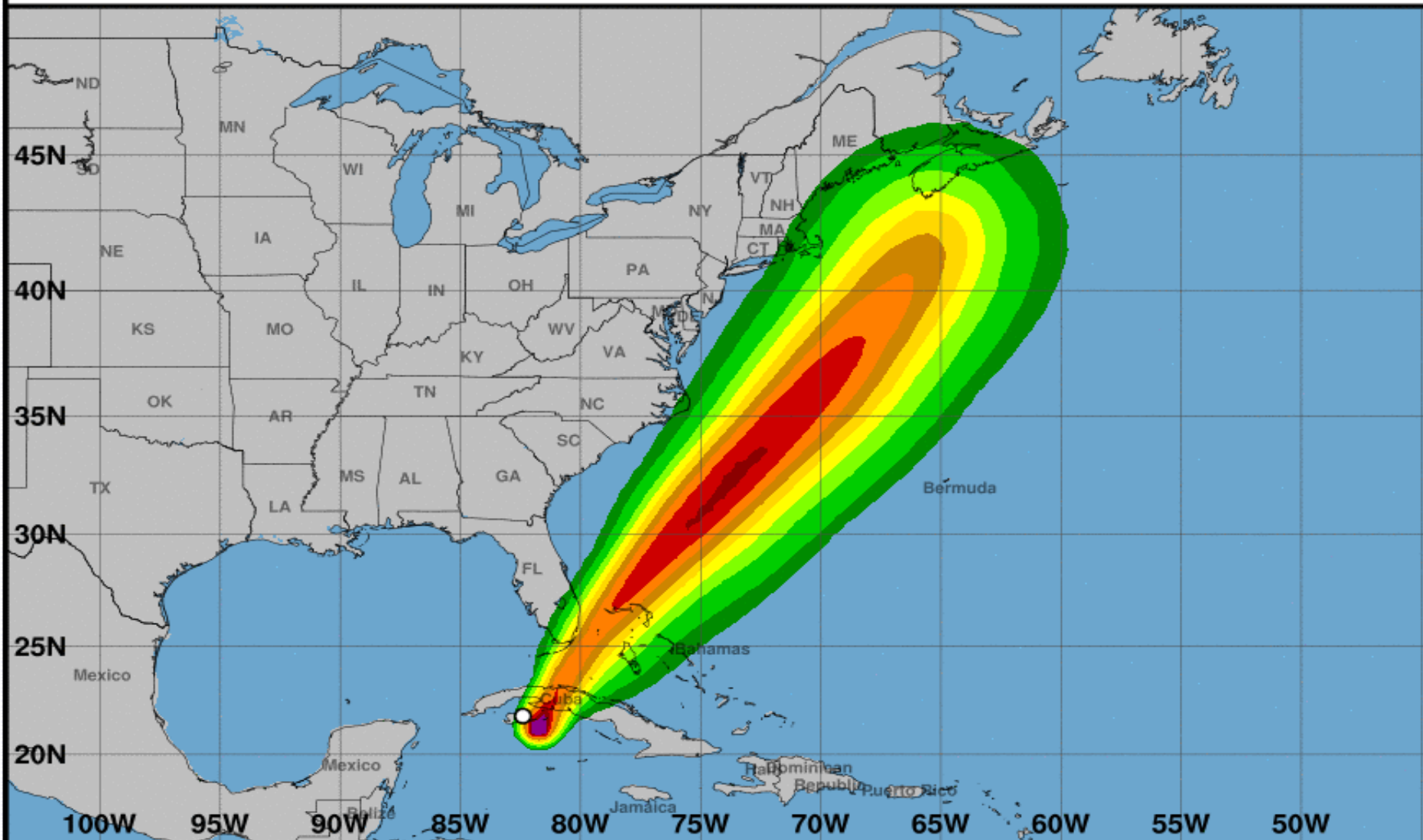
TROPICAL STORM  
WARNING





## Tropical-Storm-Force Wind Speed Probabilities

For the 120 hours (5.00 days) from 2 PM EDT SAT OCT 28 to 2 PM EDT THU NOV 02

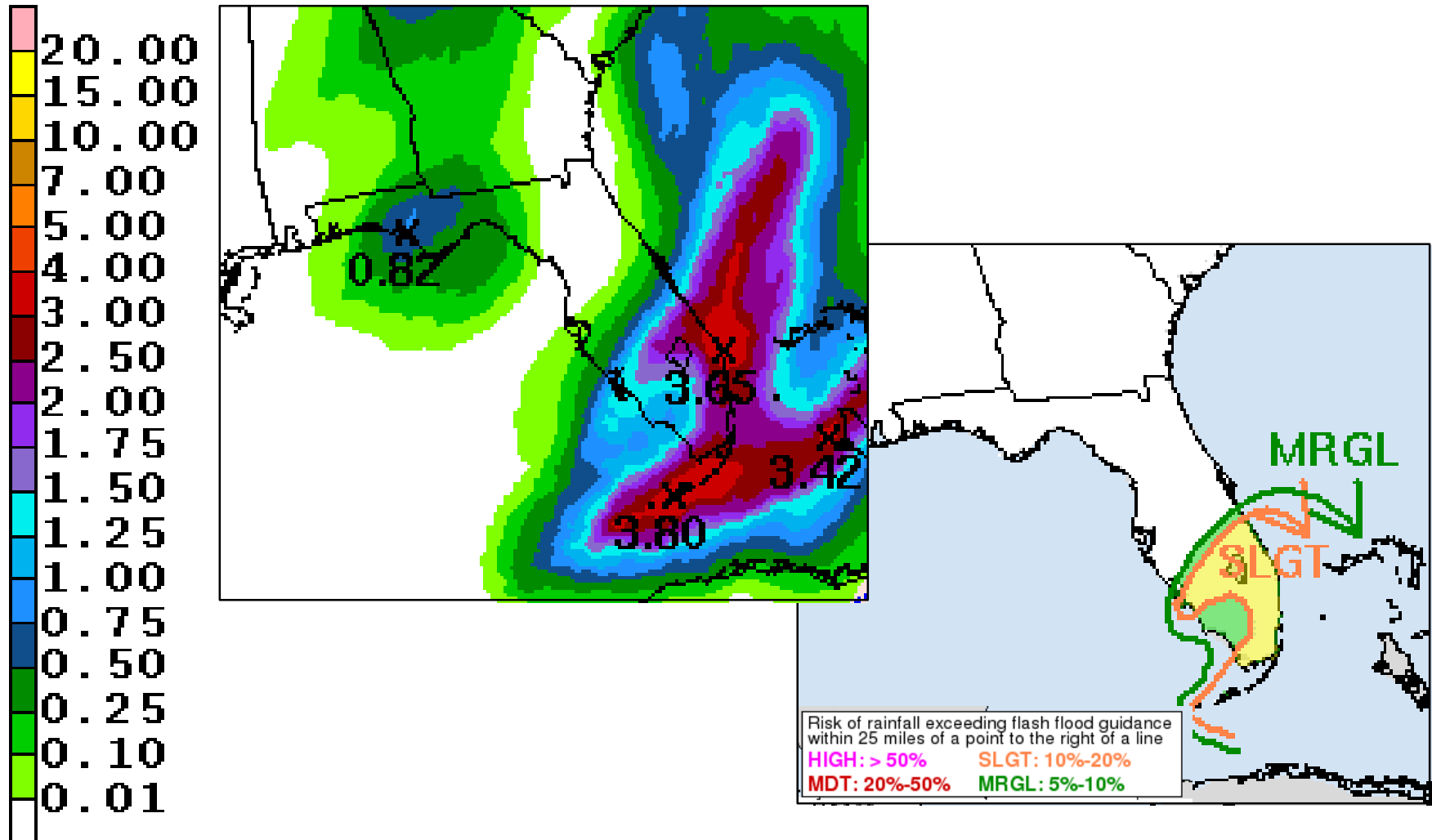


Probability of tropical-storm-force winds (1-minute average  $\geq 39$  mph) from all tropical cyclones  
○ indicates Tropical Storm Philippe center location at 2 PM EDT SAT OCT 28, 2017 (Forecast/Advisory #5)

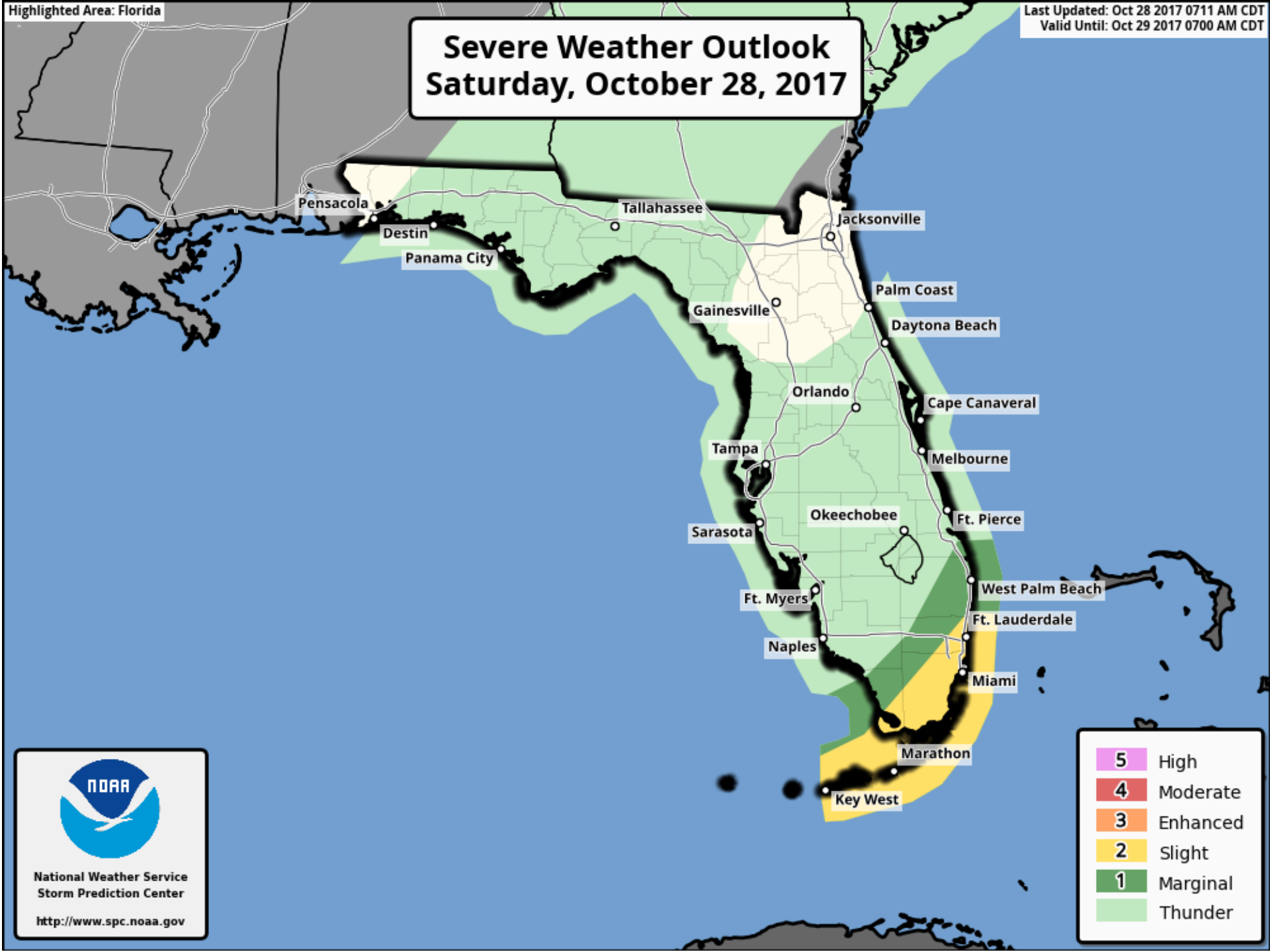


# Forecast Rainfall Totals & Flooding Risk Through Tonight

Today, the cold front and PTC 18 will enhance rainfall chances across most of the state. Below are forecast rainfall totals through tomorrow morning; locally higher amounts are possible. There is some potential for localized minor flooding as well, primarily south of Lake Okeechobee.



# Severe Weather Outlook Saturday, October 28, 2017



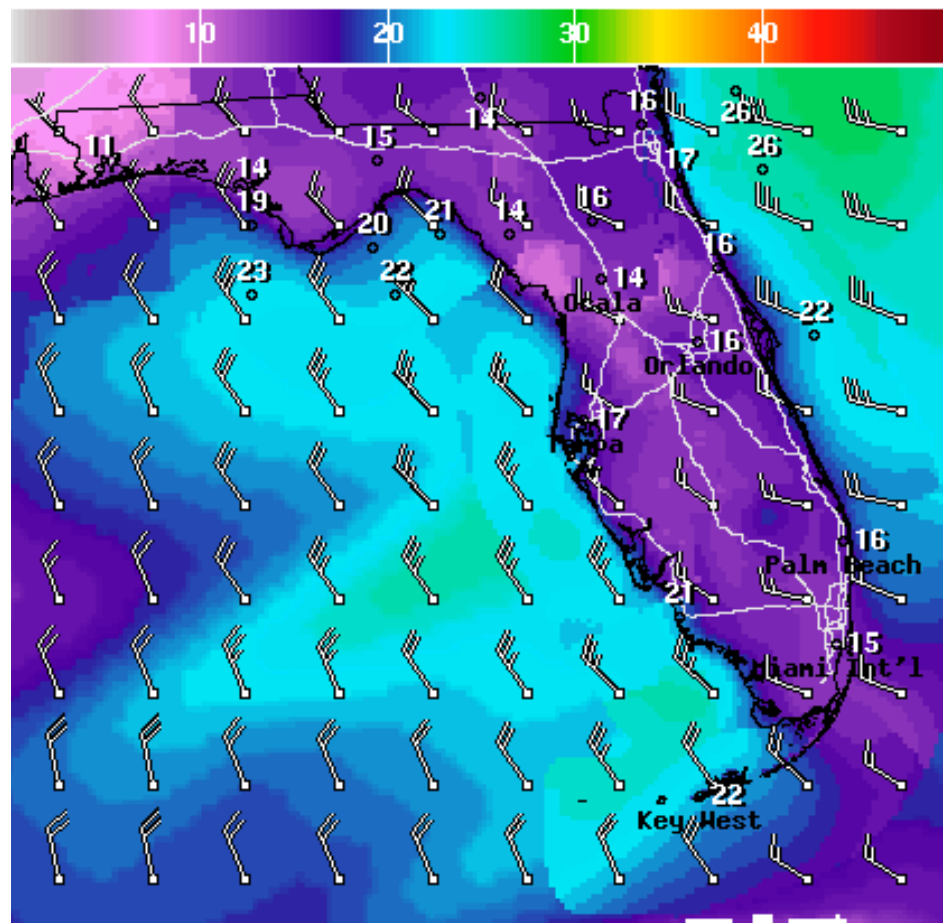


National Weather Service  
Storm Prediction Center  
<http://www.spc.noaa.gov>

5	High
4	Moderate
3	Enhanced
2	Slight
1	Marginal
	Thunder



# Wind Speeds and Gusts on Sunday

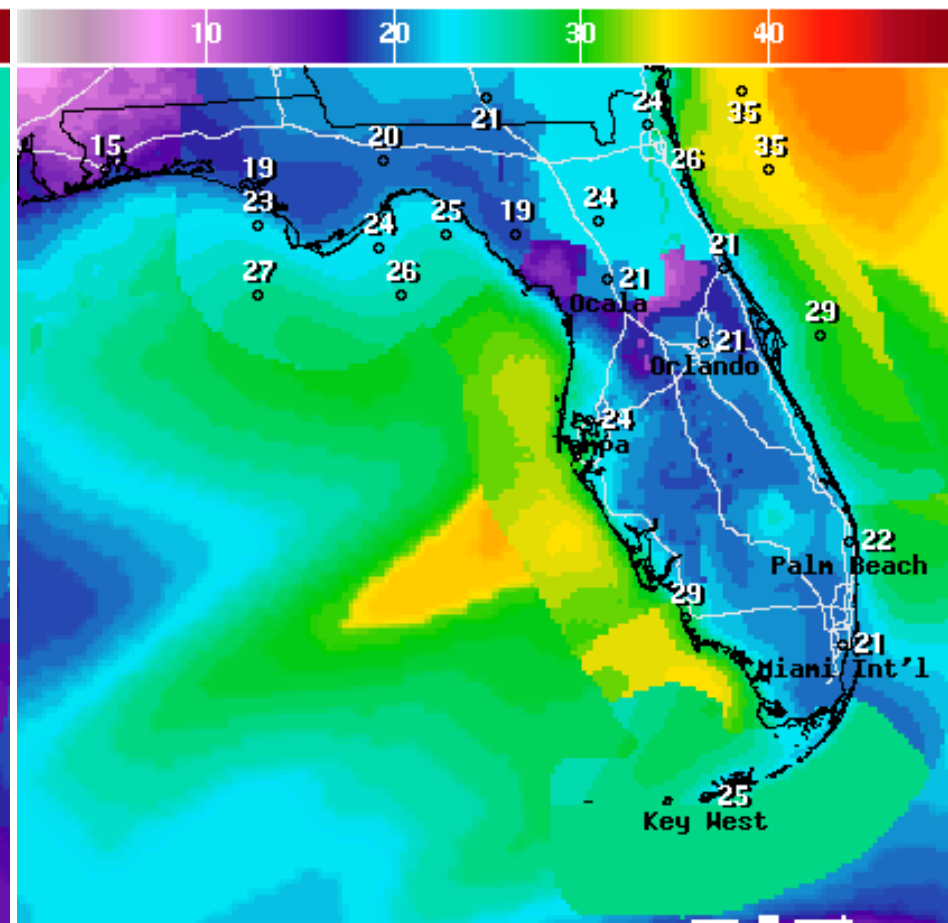


WindSpd(Kts) & WindDir For Sun Oct 29 2017 2PM EDT  
(Sun Oct 29 2017 18Z)



**National Digital Forecast Database**

19z issuance Graphic created-Oct 28 3:30PM EDT



Wind Gust(Kts) Sun Oct 29 2017 2PM EDT  
(Sun Oct 29 2017 18Z)



**National Digital Forecast Database**

19z issuance Graphic created-Oct 28 3:33PM EDT





## Summary:

- Potential Tropical Cyclone 18 became Tropical Depression 18 at 11am EDT when aircraft reconnaissance found a well-defined center of circulation. It is now Tropical Storm Philippe, the 16<sup>th</sup> named storm of the 2017 Atlantic hurricane season.
- At 5pm EDT, Philippe was located about 20 miles southwest of Havana, Cuba, or about 120 miles south-southwest of Key West, and was moving north at 29 mph. Maximum sustained winds are near 40 mph with higher gusts.
- Philippe is expected to strengthen some over the next 48 hours while turning northeast tonight and accelerating to the northeast on Sunday.
- On the NHC forecast track, Philippe would move into the Florida Straits this evening, across the Keys or the southern tip of the Florida Peninsula overnight, and across the northwestern Bahamas tomorrow morning.

## Florida Outlook:

- A **Flood Watch** is in effect for Broward, Collier, Indian River, Mainland Monroe, Martin, Miami-Dade, Okeechobee, Palm Beach, and St. Lucie counties.
- Storm total rainfall across the Keys and much of South Florida will generally be 2-4" with locally higher amounts of 6" possible. These amounts could cause some localized minor nuisance flooding, especially in urban and low-lying areas. Expect any lingering showers to clear the Peninsula by late Sunday morning.
- Stronger thunderstorms could produce a couple brief, isolated tornadoes and damaging winds in Southeast Florida and the Keys this evening.
- A **Tropical Storm Watch** is in effect from Craig Key to Golden Beach. Tropical storm force winds, primarily in gusts from brief, heavy squalls, are *possible* overnight in the watch areas.
- The strongest winds are expected to remain east and southeast of Philippe's center.
- On Sunday, in the wake of the cold front, winds of 20-25 mph, with gusts up to 30 mph, are expected in the Keys. Gusts between 20-25 mph are possible in the Peninsula.

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



# TROPICAL UPDATE

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