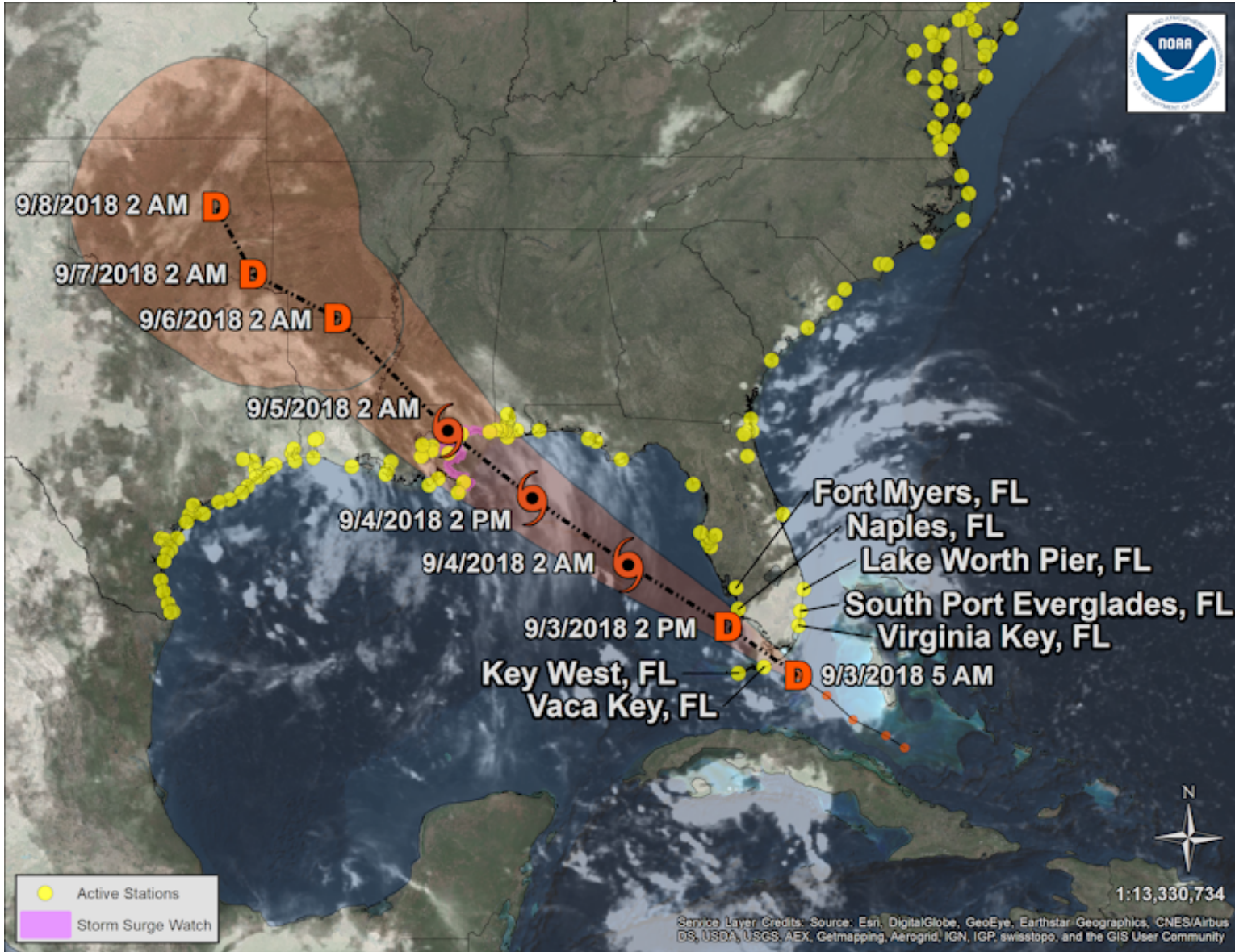




Potential Tropical Cyclone Seven QuickLook
Posted: 06:00 EDT 09/03/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/03/2018 06:00 EDT, water levels across southern Florida are slightly elevated and range between 0.4 and 0.8 feet above normal tide levels. Locations from Lake Worth Pier, FL to Vaca Key, FL are measuring over 15 knot winds. The strongest winds are presently being observed at South Port Everglades, FL where wind speeds have exceeded 25 knots along with gusts over 30 knots. Barometric pressure is slowly falling across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: PFF

Select National Hurricane Center Advisory Information:

Potential Tropical Cyclone Seven Advisory Number 3
NWS National Hurricane Center Miami FL AL072018
500 AM EDT Mon Sep 03 2018

...DISTURBANCE LIKELY TO BECOME A TROPICAL STORM TODAY...
...BRINGING HEAVY RAINS TO PORTIONS OF SOUTH FLORIDA...
...TROPICAL STORM WARNING ISSUED FOR A PORTION OF THE NORTHERN GULF COAST...

SUMMARY OF 500 AM EDT...0900 UTC...INFORMATION

LOCATION...24.5N 80.2W
ABOUT 60 MI...95 KM ESE OF MARATHON FLORIDA
MAXIMUM SUSTAINED WINDS...30 MPH...45 KM/H
PRESENT MOVEMENT...WNW OR 300 DEGREES AT 16 MPH...26 KM/H
MINIMUM CENTRAL PRESSURE...1011 MB...29.86 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Tropical Storm Watch from the Alabama-Florida border westward to east of Morgan City, Louisiana, including Lake Pontchartrain and Lake Maurepas has been changed to a Tropical Storm Warning.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Watch is in effect for...

* Mississippi-Alabama border westward to the Mouth of the Mississippi River

A Tropical Storm Warning is in effect for...

* Alabama-Florida border westward to east of Morgan City, Louisiana, including Lake Pontchartrain and Lake Maurepas

Interests in the Florida Keys and the southern Florida peninsula should monitor the progress of this system.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND OUTLOOK

At 500 AM EDT (0900 UTC), the disturbance was centered near latitude 24.5 North, longitude 80.2 West. The system is moving toward the west-northwest near 16 mph (26 km/h) and a westward-northwestward to northwestward motion is expected over the next 48 hours. On the forecast track, the disturbance will pass over the Florida Keys or the southern portion of the Florida peninsula this morning, move over the southeastern Gulf of Mexico later today evening, and reach the central Gulf Coast by late Tuesday or Tuesday night.

Maximum sustained winds are near 30 mph (45 km/h) with higher gusts. Gradual strengthening is forecast during the next 48 hours, and the disturbance is forecast to become a tropical storm by tonight.

Conditions appear to be conducive for development, and this system is expected to become a tropical cyclone by tonight.

* Formation chance through 48 hours...high...80 percent

* Formation chance through 5 days...high...80 percent

The estimated minimum central pressure is 1011 mb (29.86 inches).

HAZARDS AFFECTING LAND

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere in the indicated areas if the peak surge occurs at the time of high tide...

Destin Florida to the Mississippi-Alabama border...1 to 2 ft.

Mississippi-Alabama border to the Mouth of Mississippi River...2 to 4 ft

Mouth of the Mississippi River to the Louisiana-Texas border...1 to 2 ft.

The deepest water will occur along the immediate coast near and to the east of the landfall location, where the surge will be accompanied by large waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: The disturbance is expected to produce total rain accumulations of 2 to 4 inches over the central and northwestern Bahamas, the Florida Keys, and South Florida through early Tuesday. Isolated maximum amounts of 8 inches are possible over the southern Florida peninsula. This rainfall may cause flooding. The disturbance is expected to produce heavy rainfall along the central Gulf Coast of the United States by the middle of the week.

WIND: Tropical storm conditions are expected within portions of the warning area by late Tuesday. Tropical-storm-force wind gusts will be possible today across portions of South Florida and the Florida Keys.

NEXT ADVISORY

Next intermediate advisory at 800 AM EDT.

Next complete advisory at 1100 AM EDT.

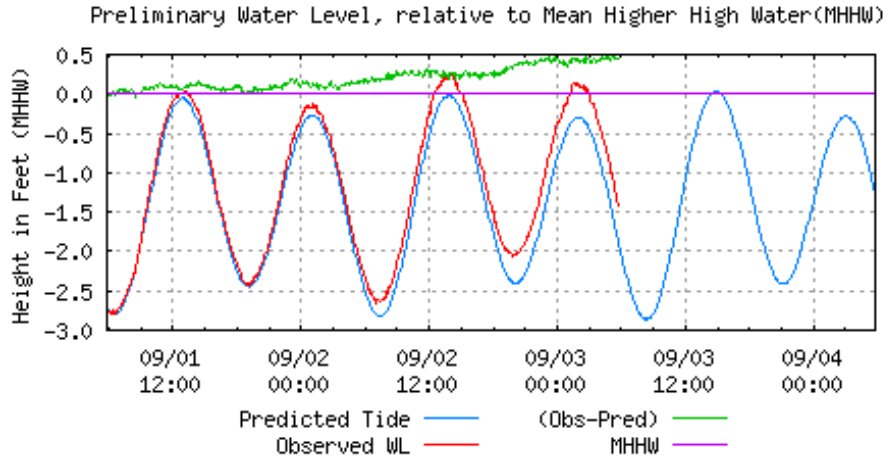
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Forecaster Pasch

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lake Worth Pier, Atlantic Ocean - Water Level](#), [Lake Worth Pier, Atlantic Ocean - Winds](#), [South Port Everglades - Water Level](#), [South Port Everglades - Winds](#), [South Port Everglades - Barometric](#), [Virginia Key, Biscayne Bay - Water Level](#), [Virginia Key, Biscayne Bay - Winds](#), [Virginia Key, Biscayne Bay - Barometric](#), [Vaca Key, Florida Bay - Water Level](#), [Vaca Key, Florida Bay - Winds](#), [Vaca Key, Florida Bay - Barometric](#), [Key West - Water Level](#), [Key West - Winds](#), [Naples, Gulf of Mexico - Water Level](#), [Naples, Gulf of Mexico - Winds](#), [Naples, Gulf of Mexico - Barometric](#), [Fort Myers, Caloosahatchee River - Water Level](#), [Fort Myers, Caloosahatchee River - Winds](#)

NOAA/NOS/CO-OPS 8722670 Lake Worth Pier, Atlantic Ocean, FL



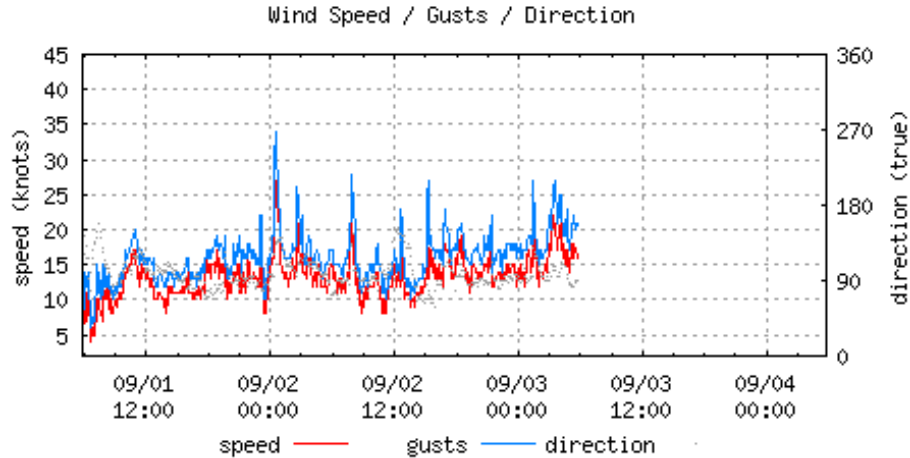
Last Observed Sample: 09/03/2018 05:48 (EDT). Data relative to MHHW

Observed: -1.46 ft. Predicted: -1.92 ft. Residual: 0.46 ft.

Historical Maximum Water Level: Oct 28 2012, 2.00 ft.

Next High Tide: 09/03/2018 14:52 (EDT), 0.03 ft.

NOAA/NOS/CO-OPS 8722670 Lake Worth Pier, Atlantic Ocean, FL

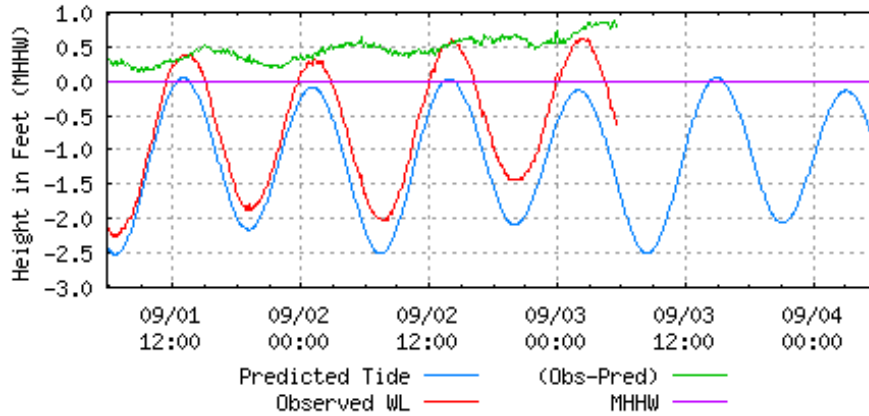


Last Observed Sample: 09/03/2018 05:48 (EDT)

Wind Speed: 19 knots Gusts: 23 knots Direction: 139° T

NOAA/NOS/CO-OPS 8722956 South Port Everglades, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/03/2018 05:36 (EDT). Data relative to MHHW

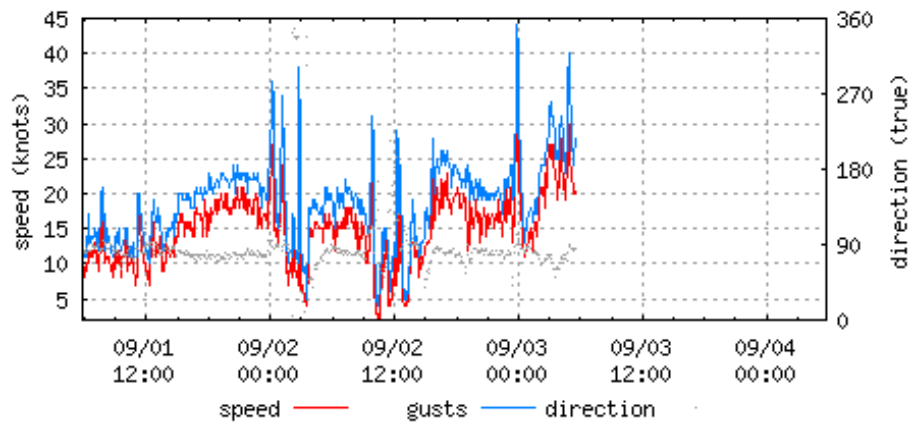
Observed: -0.72 ft. Predicted: -1.48 ft. Residual: 0.76 ft.

Historical Maximum Water Level: n/a

Next High Tide: 09/03/2018 14:56 (EDT), 0.04 ft.

NOAA/NOS/CO-OPS 8722956 South Port Everglades, FL

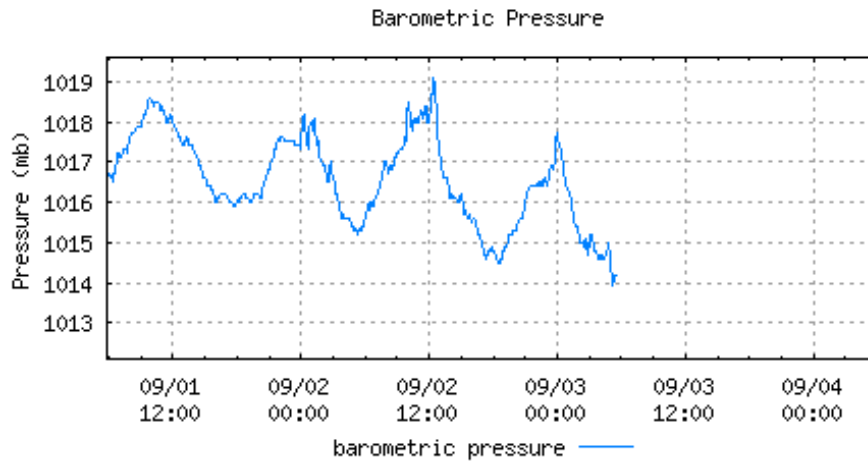
Wind Speed / Gusts / Direction



Last Observed Sample: 09/03/2018 05:36 (EDT)

Wind Speed: 18 knots Gusts: 25 knots Direction: 81° T

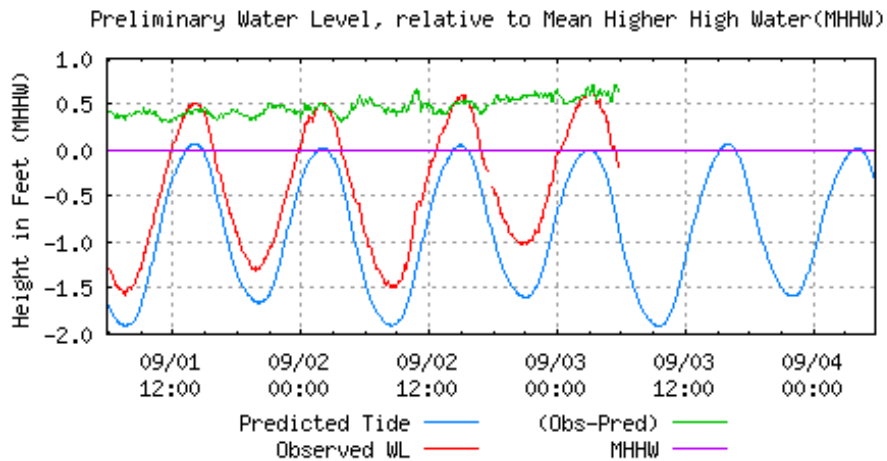
NOAA/NOS/CO-OPS 8722956 South Port Everglades, FL



Last Observed Sample: 09/03/2018 05:36 (EDT)

Barometric Pressure: 1014.2 mb

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



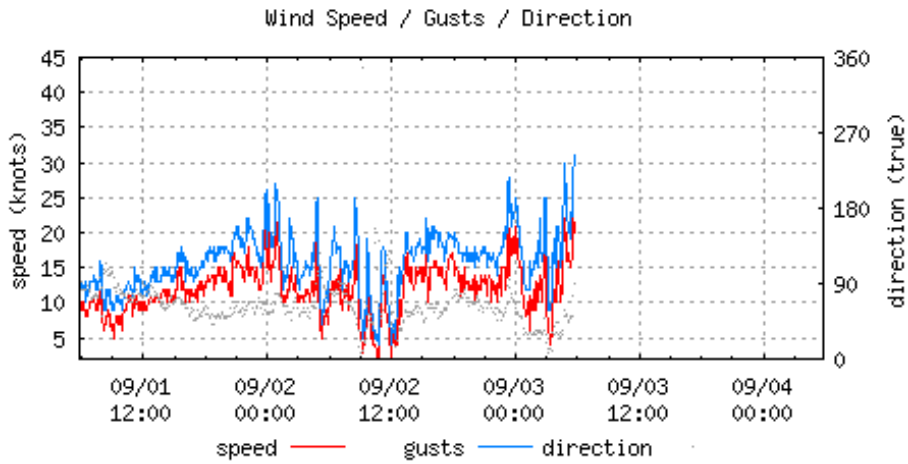
Last Observed Sample: 09/03/2018 05:48 (EDT). Data relative to MHHW

Observed: -0.25 ft. Predicted: -0.88 ft. Residual: 0.63 ft.

Historical Maximum Water Level: Sep 10 2017, 3.59 ft.

Next High Tide: 09/03/2018 16:01 (EDT), 0.07 ft.

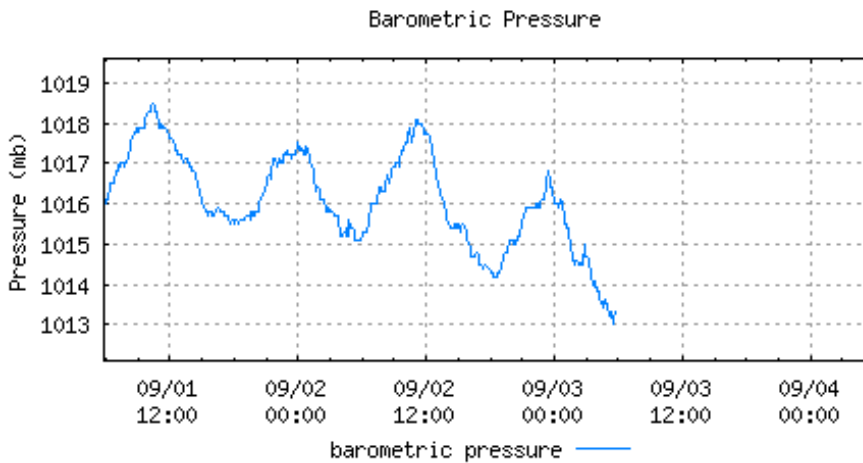
NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL



Last Observed Sample: 09/03/2018 05:48 (EDT)

Wind Speed: 17 knots Gusts: 26 knots Direction: 101° T

NOAA/NOS/CO-OPS 8723214 Virginia Key, Biscayne Bay, FL

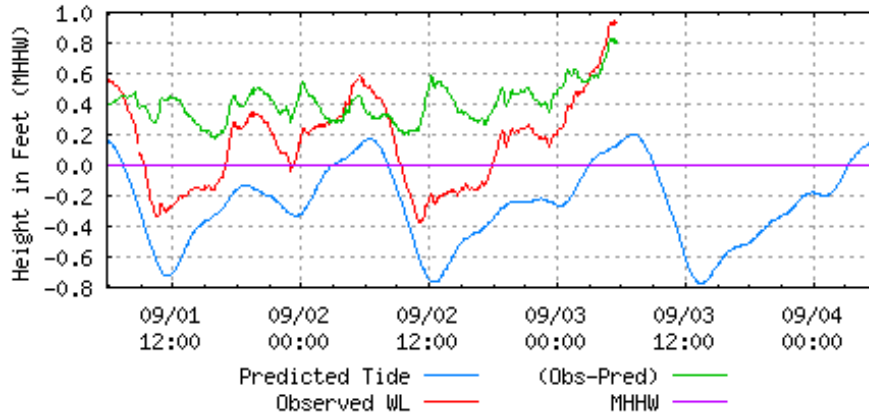


Last Observed Sample: 09/03/2018 05:48 (EDT)

Barometric Pressure: 1013.4 mb

NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL

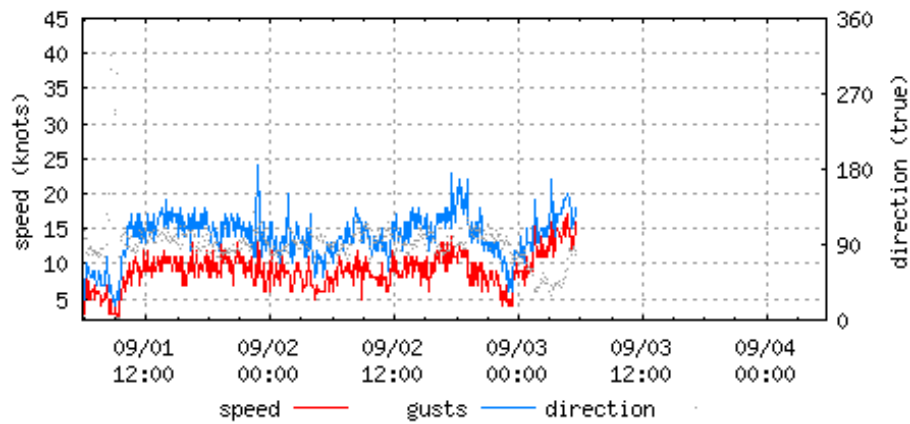
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/03/2018 05:42 (EDT). Data relative to MHHW
Observed: 0.95 ft. Predicted: 0.14 ft. Residual: 0.81 ft.
Historical Maximum Water Level: Oct 24 2005, 5.80 ft.
Next High Tide: 09/03/2018 07:09 (EDT), 0.20 ft.

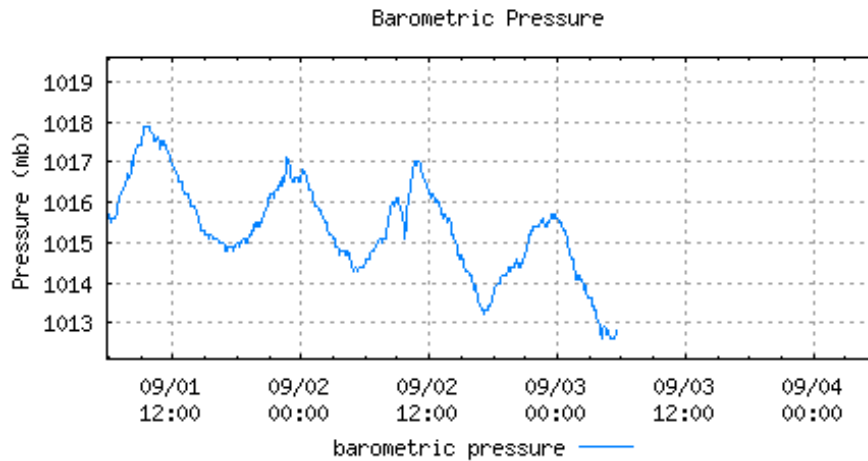
NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL

Wind Speed / Gusts / Direction



Last Observed Sample: 09/03/2018 05:42 (EDT)
Wind Speed: 14 knots Gusts: 17 knots Direction: 82° T

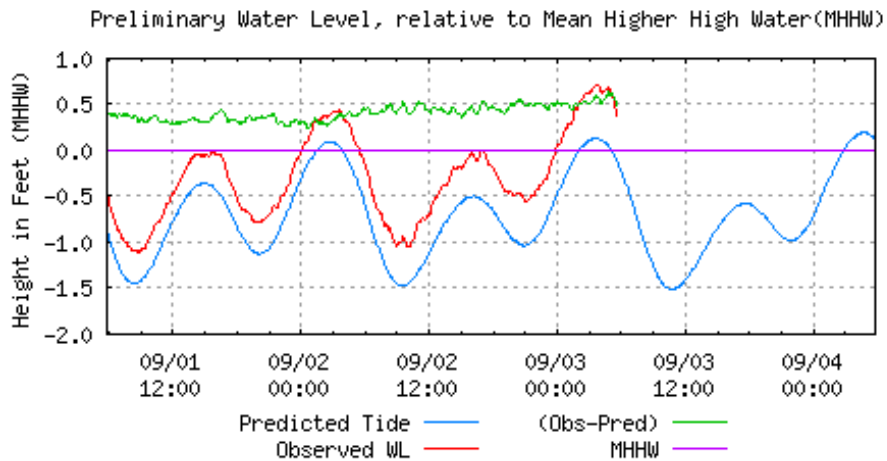
NOAA/NOS/CO-OPS 8723970 Vaca Key, Florida Bay, FL



Last Observed Sample: 09/03/2018 05:42 (EDT)

Barometric Pressure: 1012.9 mb

NOAA/NOS/CO-OPS 8724580 Key West, FL



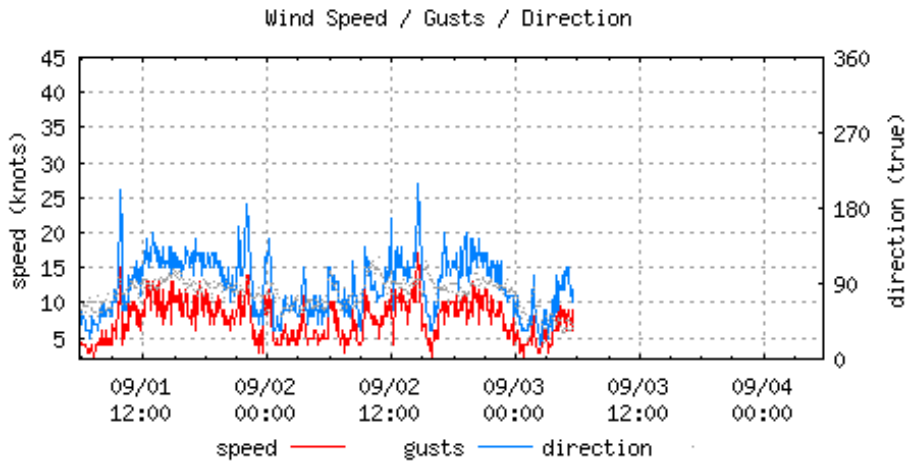
Last Observed Sample: 09/03/2018 05:42 (EDT). Data relative to MHHW

Observed: 0.37 ft. Predicted: -0.12 ft. Residual: 0.49 ft.

Historical Maximum Water Level: Oct 24 2005, 3.14 ft.

Next High Tide: 09/03/2018 17:38 (EDT), -0.58 ft.

NOAA/NOS/CO-OPS 8724580 Key West, FL

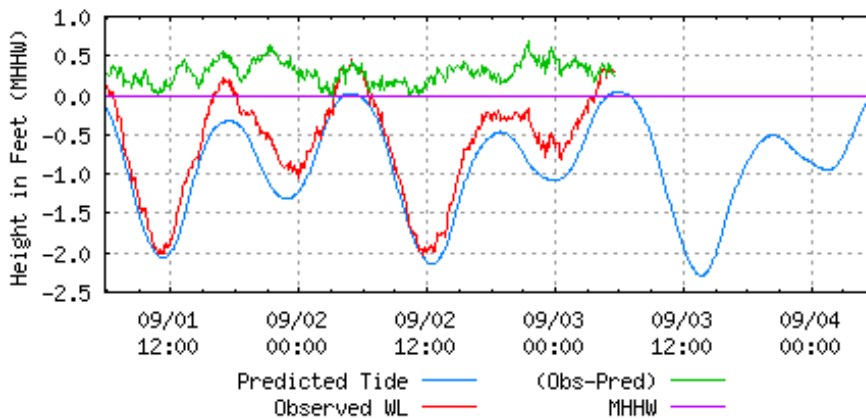


Last Observed Sample: 09/03/2018 05:42 (EDT)

Wind Speed: 7 knots Gusts: 11 knots Direction: 39° T

NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



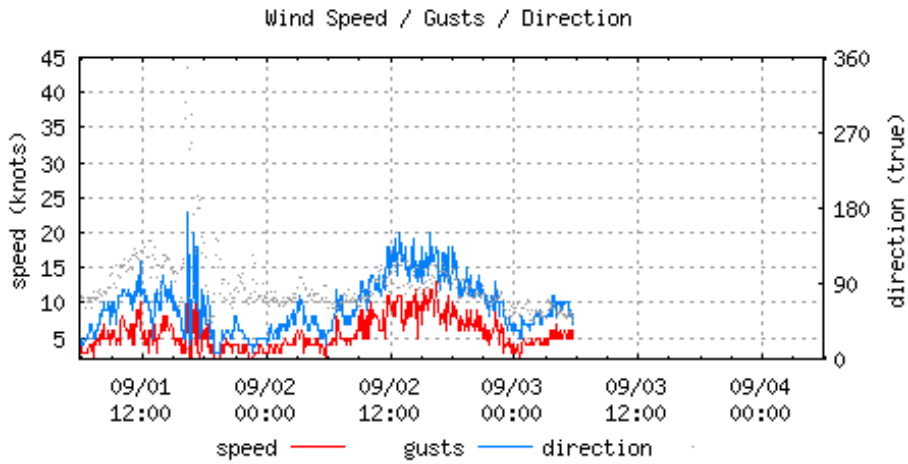
Last Observed Sample: 09/03/2018 05:42 (EDT). Data relative to MHHW

Observed: 0.33 ft. Predicted: 0.03 ft. Residual: 0.30 ft.

Historical Maximum Water Level: Sep 10 2017, 4.02 ft.

Next High Tide: 09/03/2018 05:53 (EDT), 0.04 ft.

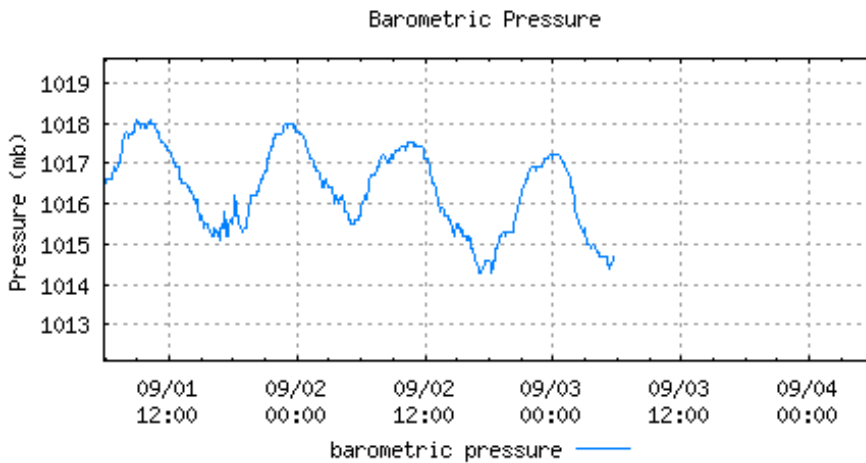
NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



Last Observed Sample: 09/03/2018 05:42 (EDT)

Wind Speed: 6 knots Gusts: 7 knots Direction: 45° T

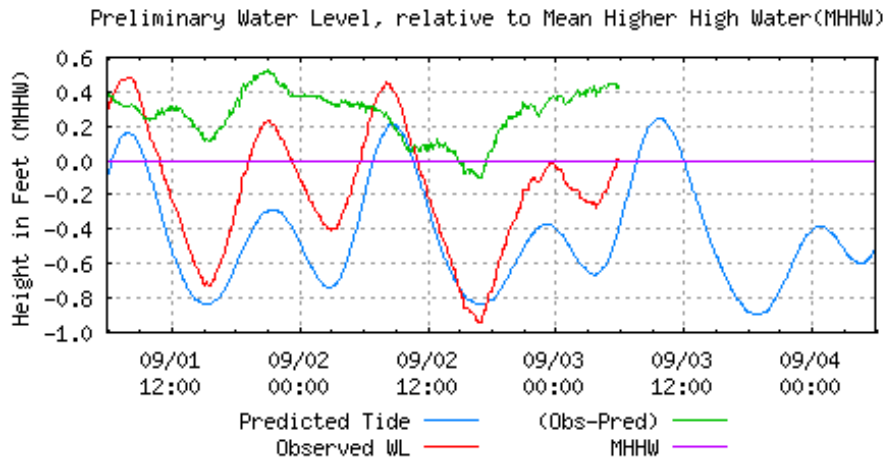
NOAA/NOS/CO-OPS 8725110 Naples, Gulf of Mexico, FL



Last Observed Sample: 09/03/2018 05:42 (EDT)

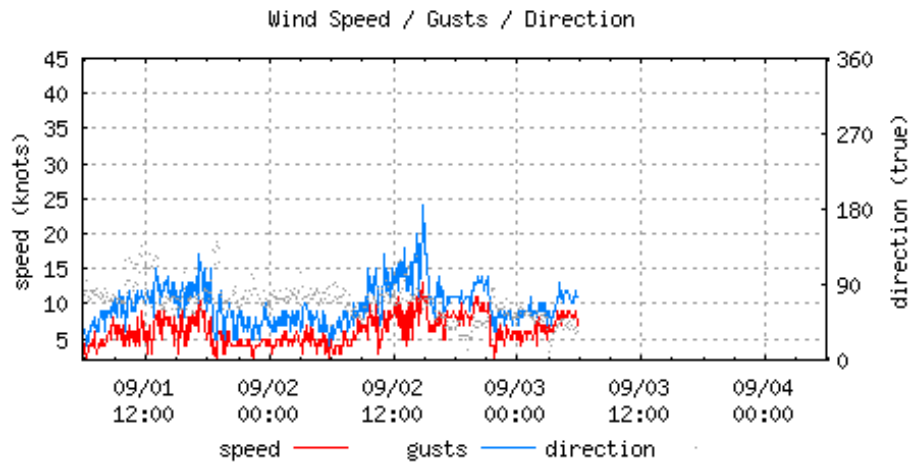
Barometric Pressure: 1014.7 mb

NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/03/2018 05:48 (EDT). Data relative to MHHW
Observed: 0.00 ft. Predicted: -0.42 ft. Residual: 0.42 ft.
 Historical Maximum Water Level: Nov 23 1988, 3.41 ft.
 Next High Tide: 09/03/2018 09:40 (EDT), 0.25 ft.

NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/03/2018 05:48 (EDT)
Wind Speed: 7 knots Gusts: 11 knots Direction: 33° T

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8722670	Lake Worth Pier, Atlantic Ocean, FL	09/03/2018 05:48 (EDT)	-1.46 ft	-1.92 ft	0.46 ft	0.25 ft
8722956	South Port Everglades, FL	09/03/2018 05:36 (EDT)	-0.72 ft	-1.48 ft	0.76 ft	0.63 ft
8723214	Virginia Key, Biscayne Bay, FL	09/03/2018 05:48 (EDT)	-0.25 ft	-0.88 ft	0.63 ft	0.70 ft
8723970	Vaca Key, Florida Bay, FL	09/03/2018 05:42 (EDT)	0.95 ft	0.14 ft	0.81 ft	0.95 ft
8724580	Key West, FL	09/03/2018 05:42 (EDT)	0.37 ft	-0.12 ft	0.49 ft	0.72 ft
8725110	Naples, Gulf of Mexico, FL	09/03/2018 05:42 (EDT)	0.33 ft	0.03 ft	0.30 ft	0.40 ft
8725520	Fort Myers, Caloosahatchee River, FL	09/03/2018 05:48 (EDT)	0.00 ft	-0.42 ft	0.42 ft	0.45 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce