



Tropical Depression IRMA QuickLook
Posted: 00:00 EDT 09/12/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/12/2017 00:00 EDT, water levels along the Gulf Coast of Florida from Fort Myers to Cedar Key are measuring 1.2 to 2.4 feet above tidal predictions.

Water levels at Apalachicola and Panama City Beach are still running about 0.5 to 0.7 feet below normal but continue to rebound.

On the east coast from St. Johns River to Springmaid Pier, water levels are measuring anywhere from 0.5 to 3.75 feet above tidal predictions. Water levels in the St. Johns River are high due to rainfall but have begun to fall as Irma moves northward.

Winds have gradually weakened at all locations and barometric pressure is returning to normal.

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the [National Hurricane Center](#) (NHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

Water levels in bays and associated waterways may include impacts from hydrological forces, including rainfall runoff. For additional hydrological information see the [NWS Advanced Hydrologic Prediction Services](#) or your local [National Weather Service Forecast Office](#).

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 data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: AC

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

Tropical Depression Irma Advisory Number 52
NWS National Hurricane Center Miami FL
1100 PM EDT Mon Sep 11 2017

...IRMA WEAKENS TO A TROPICAL DEPRESSION...
...HEAVY RAINFALL CONTINUES ACROSS THE SOUTHEASTERN UNITED STATES...

SUMMARY OF 1100 PM EDT...0300 UTC...INFORMATION

LOCATION...32.4N 84.9W
ABOUT 5 MI...10 KM S OF COLUMBUS GEORGIA
ABOUT 95 MI...150 KM SSW OF ATLANTA GEORGIA
MAXIMUM SUSTAINED WINDS...35 MPH...55 KM/H
PRESENT MOVEMENT...NW OR 320 DEGREES AT 15 MPH...24 KM/H
MINIMUM CENTRAL PRESSURE...988 MB...29.18 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

All Storm Surge Warnings and Tropical Storm Warnings have been discontinued.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

There are no coastal watches or warnings in effect.

Interests in the southeastern United States should monitor the progress of Irma.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 PM EDT (0300 UTC), the center of Tropical Depression Irma was located near latitude 32.4 North, longitude 84.9 West. The depression is moving toward the northwest near 15 mph (24 km/h), and this motion at a slightly slower speed is expected through Monday. A turn toward the north-northwest is forecast Monday night. On the forecast track, the center of Irma will move into Alabama soon and then into western Tennessee by Monday evening.

Maximum sustained winds have decreased to near 35 mph (55 km/h) with higher gusts. Additional weakening is forecast, and Irma is expected to degenerate into a remnant low by Monday evening. The low is likely to dissipate by Tuesday evening.

The estimated minimum central pressure is 988 mb (29.18 inches).

HAZARDS AFFECTING LAND

STORM SURGE: Water levels are gradually subsiding along the southeastern United States coast and the west coast of Florida.

WIND: Gusty winds to tropical storm force are possible near the coast of South Carolina and in heavier rainbands across the southeastern United States overnight.

RAINFALL: Irma is expected to produce rain accumulations of 2 to 5 inches with isolated 8 inches through Wednesday across South Carolina and northern portions of Georgia, Alabama, and Mississippi into Tennessee and North Carolina.

SURF: Swells generated by Irma are affecting the southeast coast of the United States. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

This is the last public advisory issued by the National Hurricane Center on this system. Future information on this system can be found in Public Advisories issued by the Weather Prediction Center beginning at 5 AM EDT, under AWIPS header TCPAT1, WMO header WTNT31 KWNH, and on the web at <http://www.wpc.ncep.noaa.gov>.

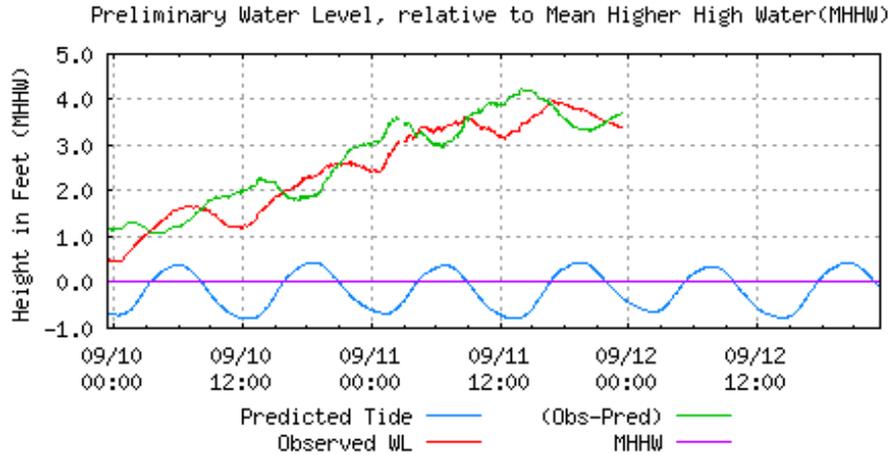
Forecaster Berg

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: [Racy Point, St Johns River - Water Level](#), [Southbank Riverwalk, St Johns River - Water Level](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston, Cooper River Entrance - Water Level](#), [Charleston, Cooper River Entrance - Winds](#), [Charleston, Cooper River Entrance - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Fort Myers, Caloosahatchee River - Water Level](#), [Fort Myers, Caloosahatchee River - Barometric](#), [St Petersburg, Tampa Bay - Water Level](#), [St Petersburg, Tampa Bay - Winds](#), [St Petersburg, Tampa Bay - Barometric](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [Panama City Beach - Water Level](#), [Panama City Beach - Winds](#), [Panama City Beach](#)

- Barometric, Apalachicola - Water Level, Apalachicola - Winds, Apalachicola - Barometric, Cedar Key - Water Level, Cedar Key - Winds, Cedar Key - Barometric

NOAA/NOS/CO-OPS 8720625 Racy Point, St Johns River, FL



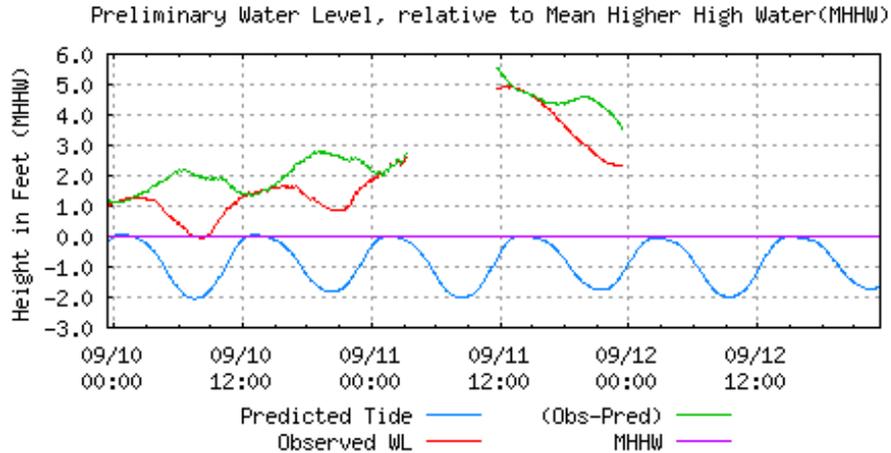
Last Observed Sample: 09/11/2017 23:24 (EDT). Data relative to MHHW

Observed: 3.36 ft. Predicted: -0.34 ft. Residual: 3.70 ft.

Historical Maximum Water Level: n/a

Next High Tide: 09/12/2017 07:45 (EDT), 0.35 ft.

NOAA/NOS/CO-OPS 8720226 Southbank Riverwalk, St Johns River, FL



Last Observed Sample: 09/11/2017 23:30 (EDT). Data relative to MHHW

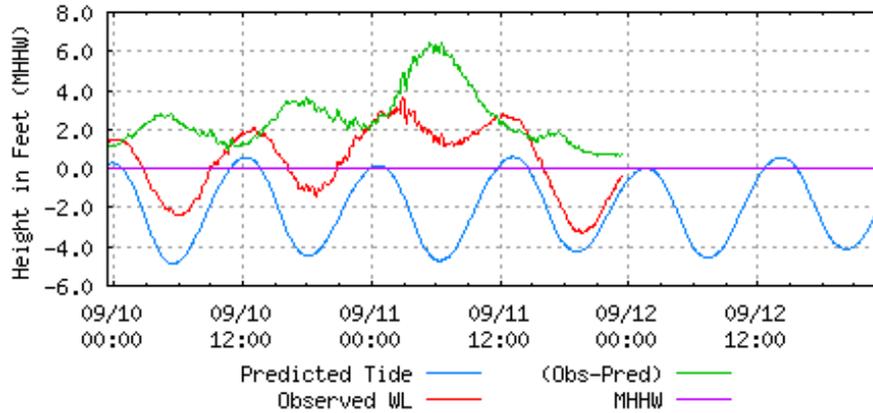
Observed: 2.33 ft. Predicted: -1.16 ft. Residual: 3.49 ft.

Historical Maximum Water Level: Sep 27 2004, 3.44 ft.

Next High Tide: 09/12/2017 02:32 (EDT), -0.05 ft.

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

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



Last Observed Sample: 09/11/2017 23:24 (EDT). Data relative to MHHW

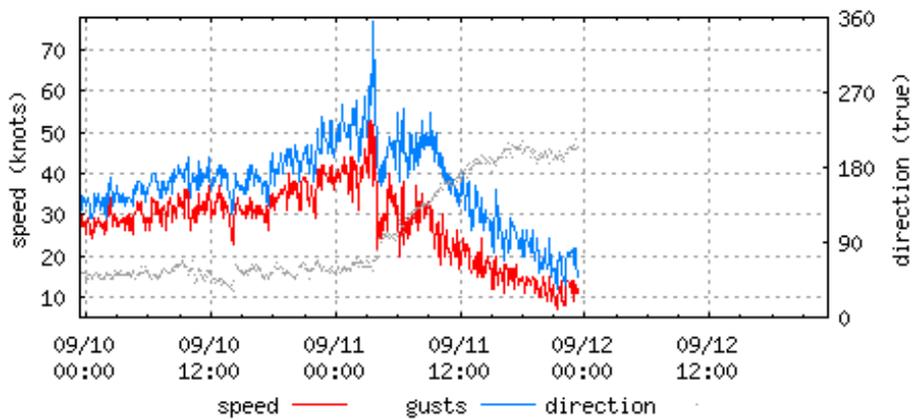
Observed: -0.23 ft. Predicted: -0.99 ft. Residual: 0.76 ft.

Historical Maximum Water Level: Oct 7 2016, 3.22 ft.

Next High Tide: 09/12/2017 01:33 (EDT), 0.03 ft.

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

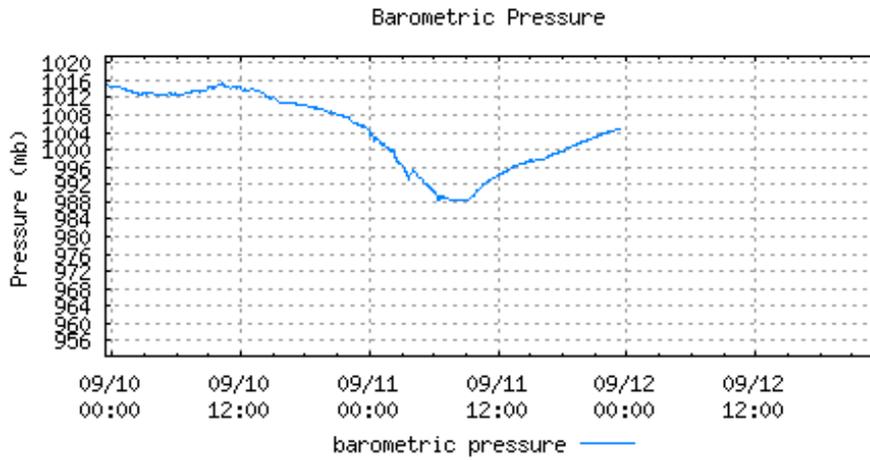
Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2017 23:24 (EDT)

Wind Speed: 14 knots Gusts: 20 knots Direction: 212° T

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

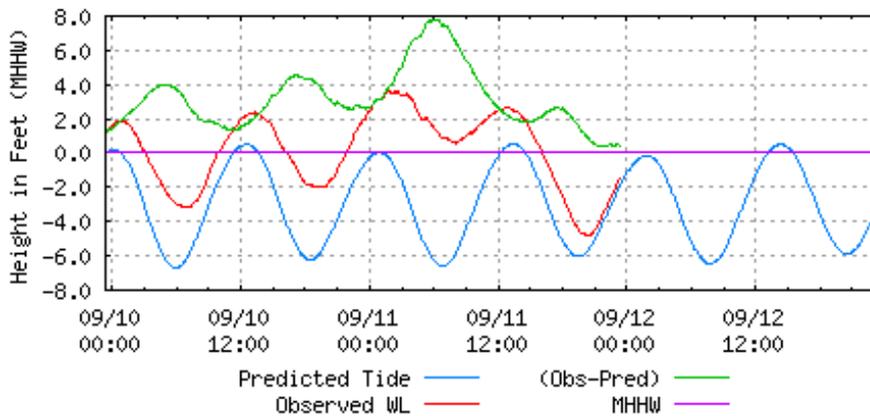


Last Observed Sample: 09/11/2017 23:24 (EDT)

Barometric Pressure: 1004.9 mb

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

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



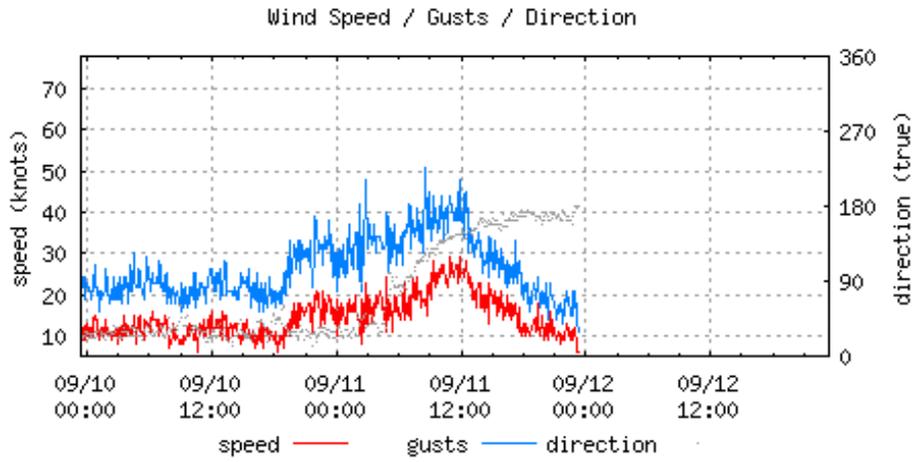
Last Observed Sample: 09/11/2017 23:24 (EDT). Data relative to MHHW

Observed: -1.52 ft. Predicted: -1.98 ft. Residual: 0.46 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 09/12/2017 01:47 (EDT), -0.16 ft.

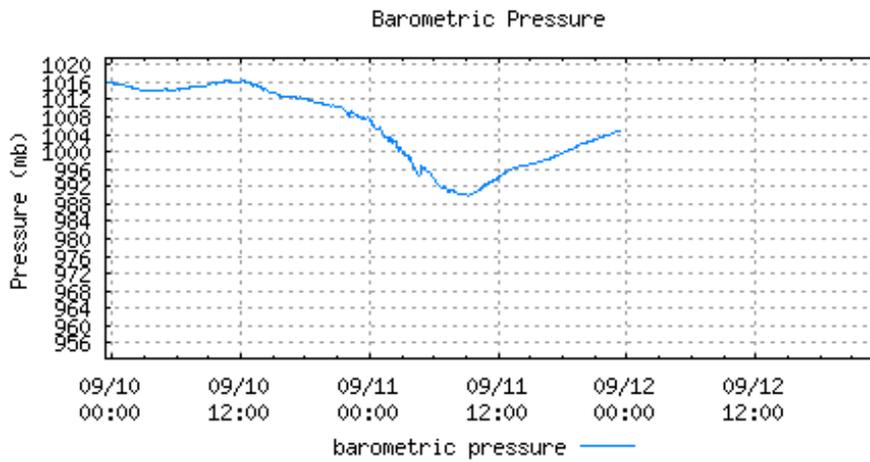
NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



Last Observed Sample: 09/11/2017 23:24 (EDT)

Wind Speed: 9 knots Gusts: 15 knots Direction: 176° T

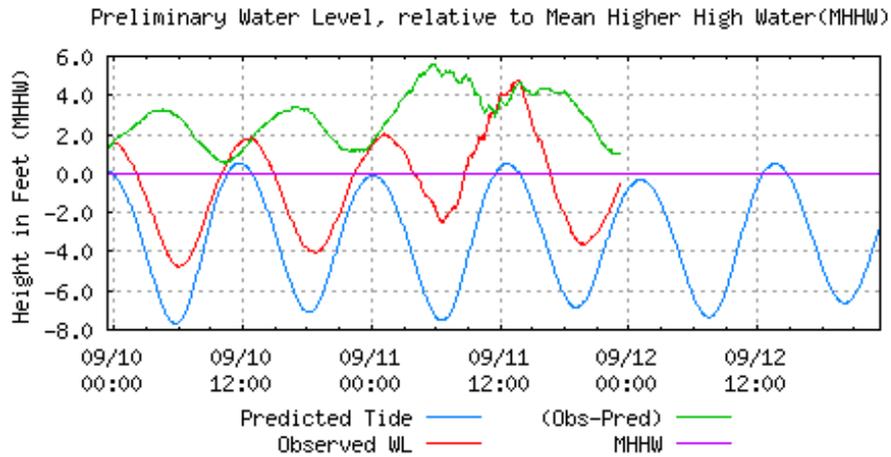
NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



Last Observed Sample: 09/11/2017 23:24 (EDT)

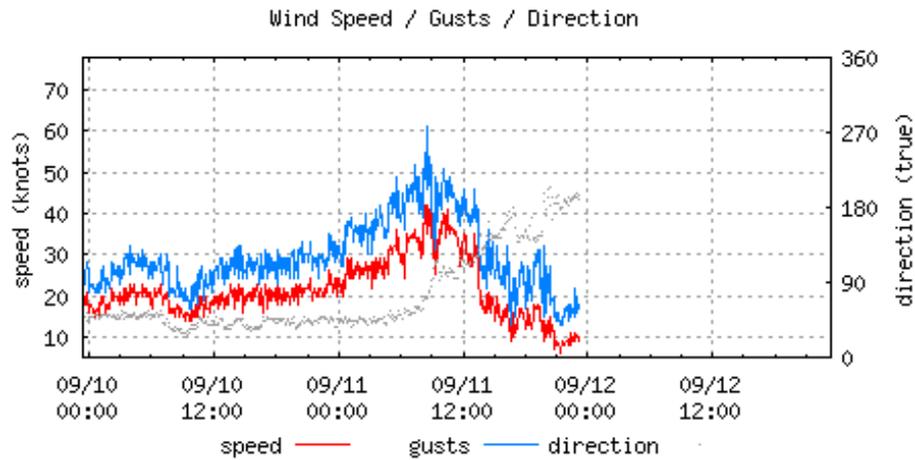
Barometric Pressure: 1004.8 mb

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



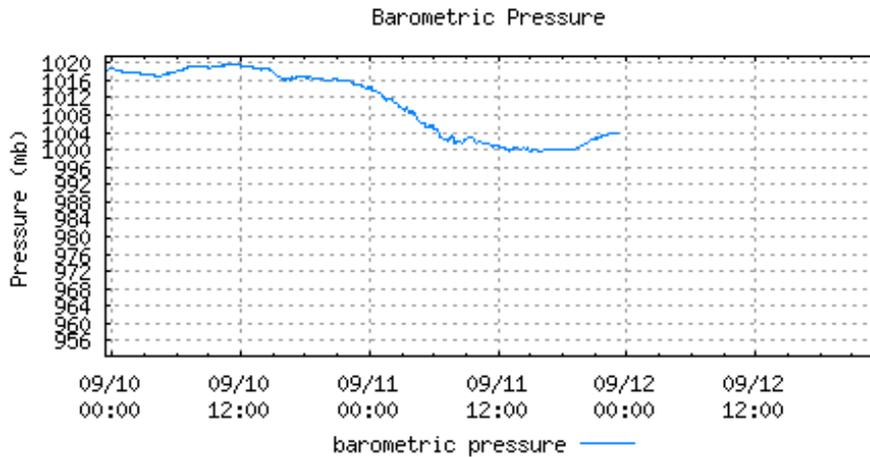
Last Observed Sample: 09/11/2017 23:18 (EDT). Data relative to MHHW
Observed: -0.39 ft. Predicted: -1.43 ft. Residual: 1.04 ft.
 Historical Maximum Water Level: Oct 15 1947, 3.40 ft.
 Next High Tide: 09/12/2017 01:06 (EDT), -0.32 ft.

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 09/11/2017 23:18 (EDT)
Wind Speed: 11 knots Gusts: 21 knots Direction: 194° T

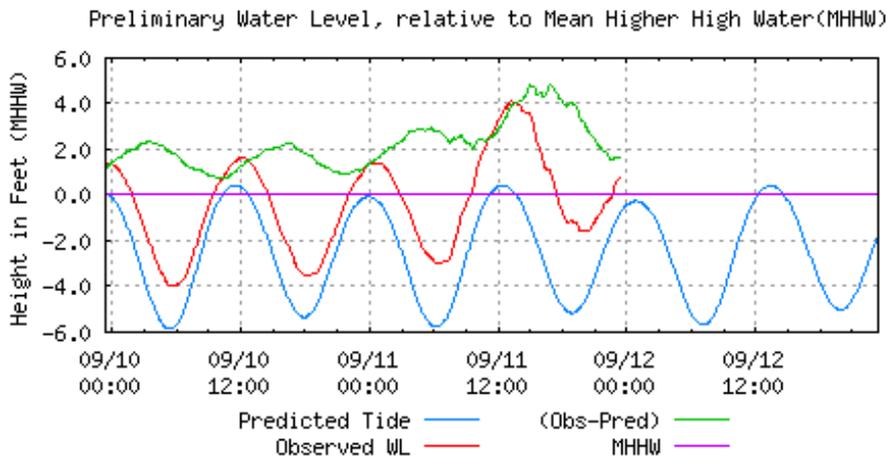
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 09/11/2017 23:18 (EDT)

Barometric Pressure: 1004.1 mb

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



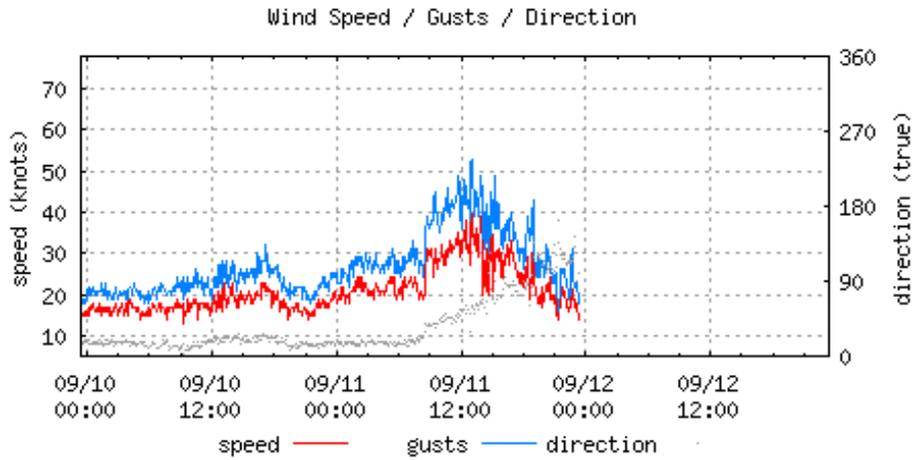
Last Observed Sample: 09/11/2017 23:18 (EDT). Data relative to MHHW

Observed: 0.79 ft. Predicted: -0.85 ft. Residual: 1.64 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 09/12/2017 00:50 (EDT), -0.26 ft.

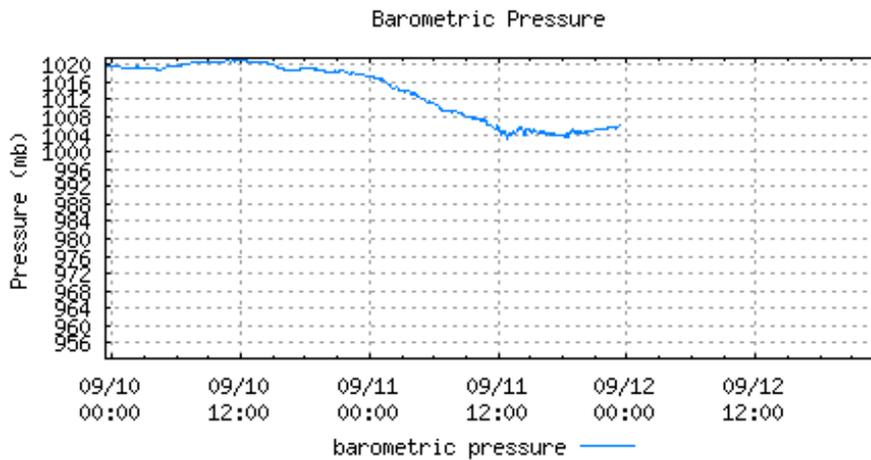
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/11/2017 23:18 (EDT)

Wind Speed: 14 knots Gusts: 18 knots Direction: 100° T

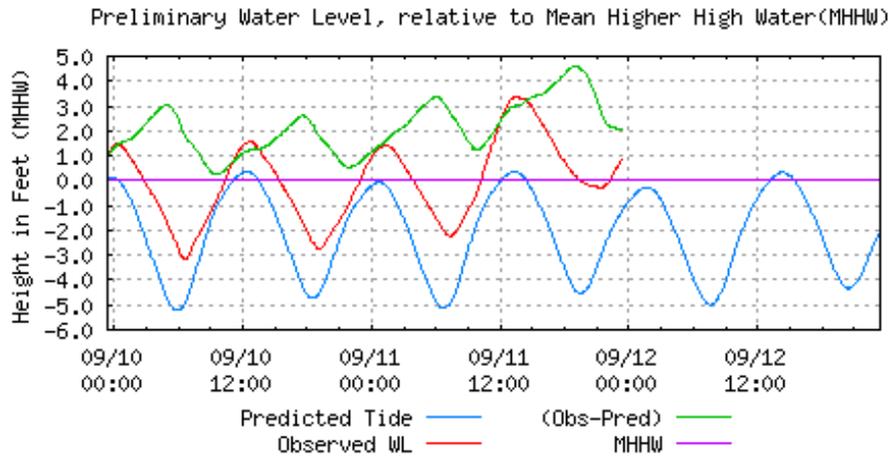
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/11/2017 23:18 (EDT)

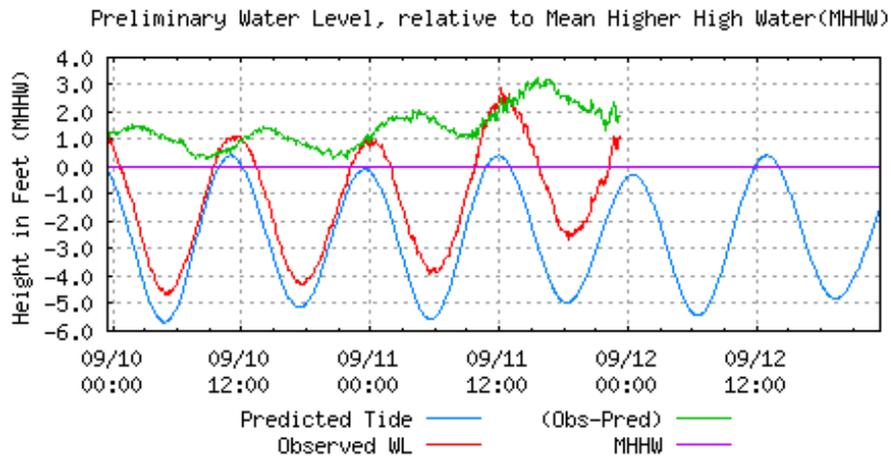
Barometric Pressure: 1005.9 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC



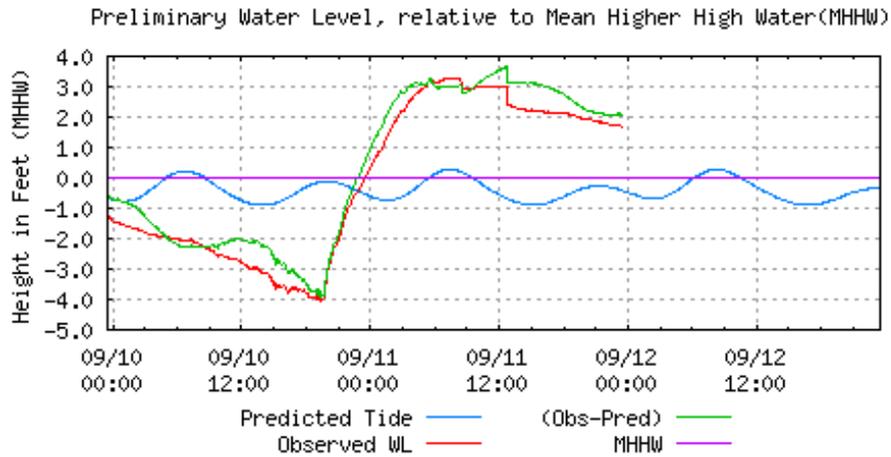
Last Observed Sample: 09/11/2017 23:18 (EDT). Data relative to MHHW
Observed: 0.84 ft. Predicted: -1.26 ft. Residual: 2.10 ft.
 Historical Maximum Water Level: Oct 8 2016, 4.64 ft.
 Next High Tide: 09/12/2017 01:38 (EDT), -0.26 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



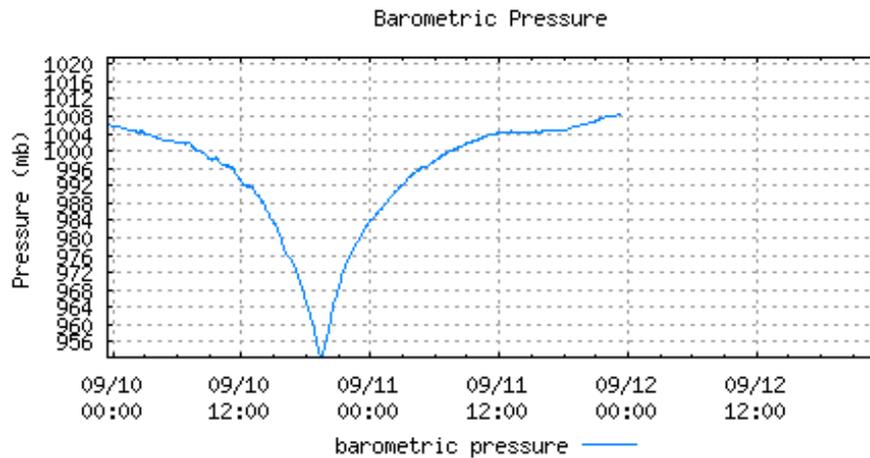
Last Observed Sample: 09/11/2017 23:18 (EDT). Data relative to MHHW
Observed: 1.11 ft. Predicted: -0.72 ft. Residual: 1.83 ft.
 Historical Maximum Water Level: Jan 1 1987, 3.65 ft.
 Next High Tide: 09/12/2017 00:29 (EDT), -0.30 ft.

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



Last Observed Sample: 09/11/2017 23:24 (EDT). Data relative to MHHW
Observed: 1.67 ft. Predicted: -0.42 ft. Residual: 2.09 ft.
 Historical Maximum Water Level: Nov 23 1988, 3.41 ft.
 Next High Tide: 09/12/2017 08:15 (EDT), 0.27 ft.

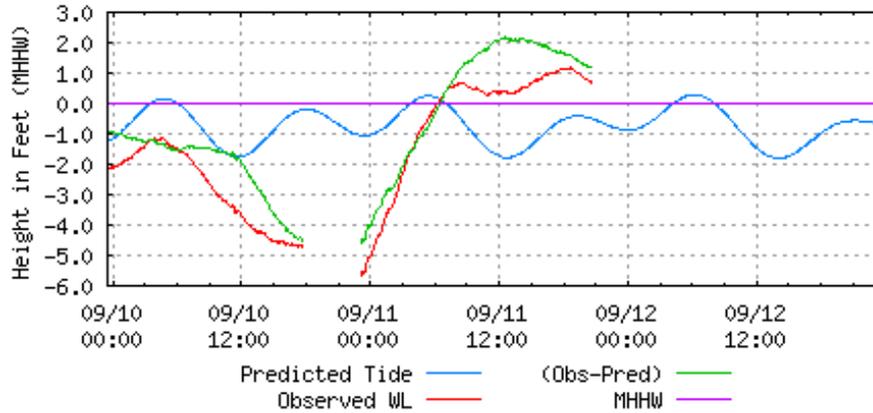
NOAA/NOS/CO-OPS 8725520 Fort Myers, Caloosahatchee River, FL



Last Observed Sample: 09/11/2017 23:24 (EDT)
Barometric Pressure: 1008.5 mb

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

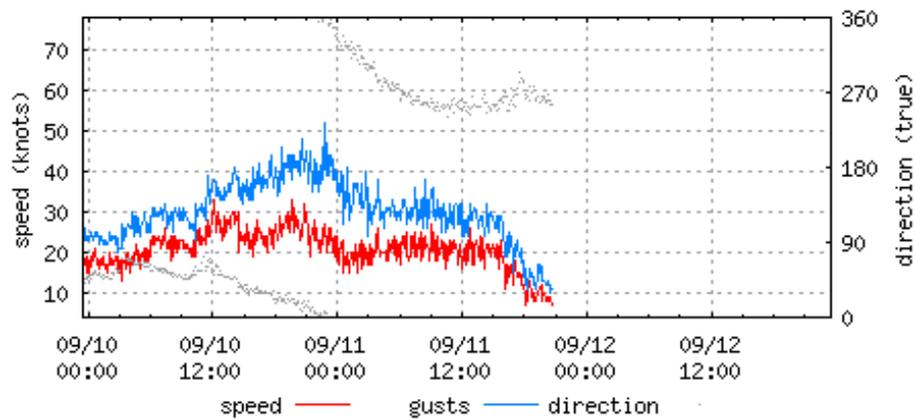
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/11/2017 20:36 (EDT). Data relative to MHHW
Observed: 0.69 ft. Predicted: -0.50 ft. Residual: 1.19 ft.
 Historical Maximum Water Level: Aug 31 1985, 4.00 ft.
 Next High Tide: 09/12/2017 06:10 (EDT), 0.29 ft.

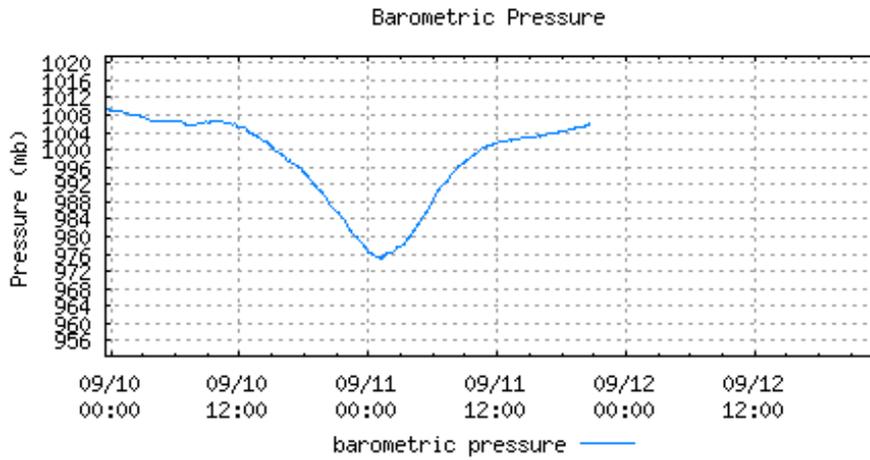
NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2017 20:36 (EDT)
Wind Speed: 7 knots Gusts: 11 knots Direction: 256° T

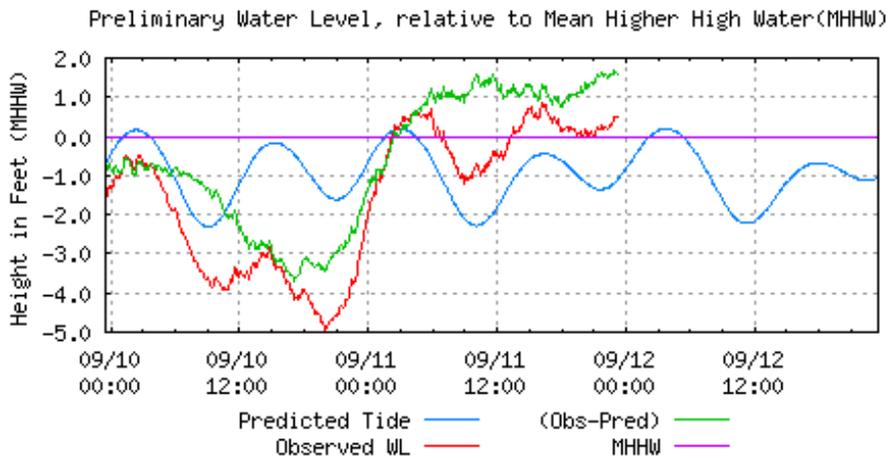
NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



Last Observed Sample: 09/11/2017 20:36 (EDT)

Barometric Pressure: 1005.9 mb

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



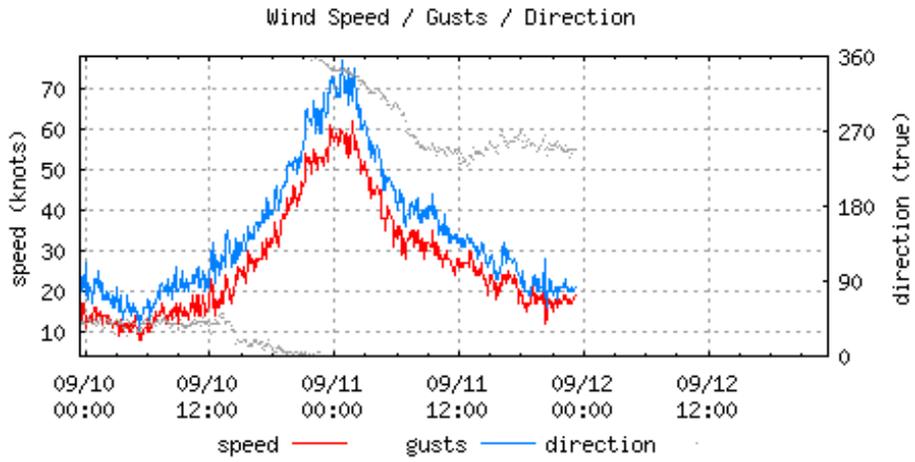
Last Observed Sample: 09/11/2017 23:12 (EDT). Data relative to MHHW

Observed: 0.48 ft. Predicted: -1.11 ft. Residual: 1.59 ft.

Historical Maximum Water Level: Mar 13 1993, 4.00 ft.

Next High Tide: 09/12/2017 03:43 (EDT), 0.19 ft.

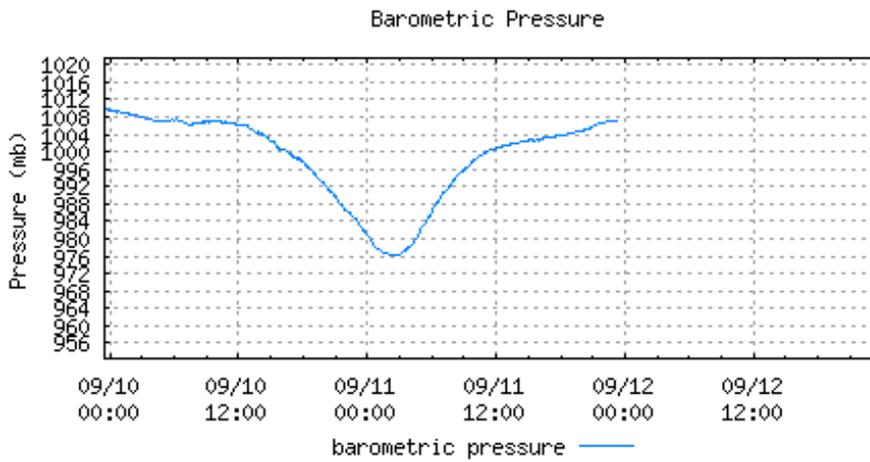
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 09/11/2017 23:12 (EDT)

Wind Speed: 19 knots Gusts: 21 knots Direction: 249° T

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

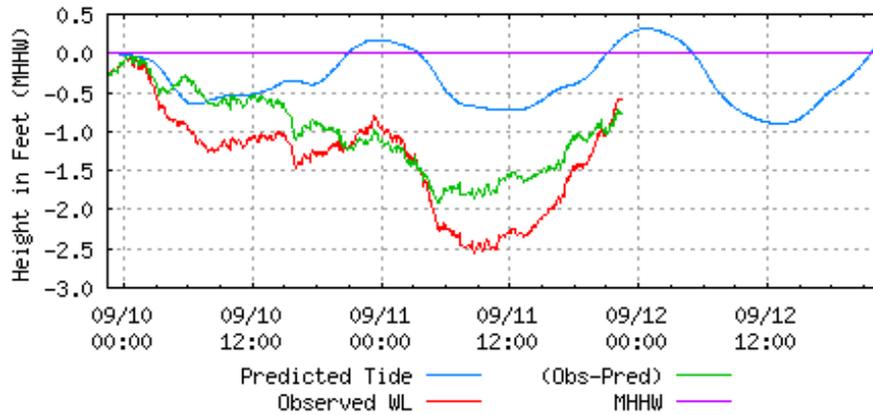


Last Observed Sample: 09/11/2017 23:12 (EDT)

Barometric Pressure: 1007.2 mb

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

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



Last Observed Sample: 09/11/2017 22:24 (CDT). Data relative to MHHW

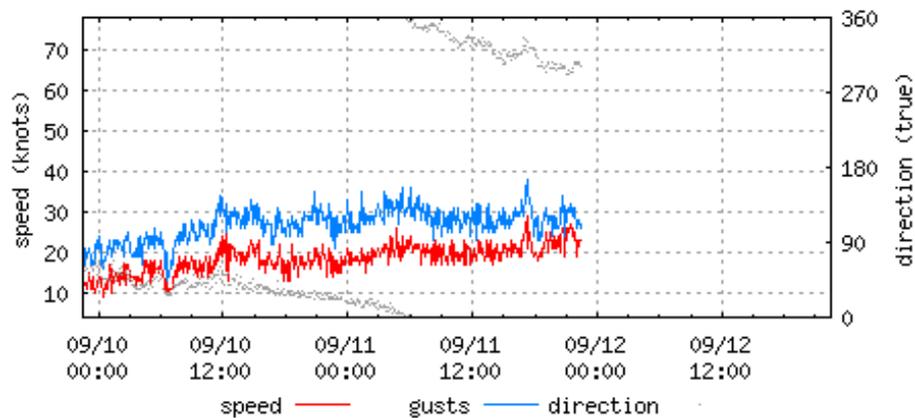
Observed: -0.59 ft. Predicted: 0.18 ft. Residual: -0.77 ft.

Historical Maximum Water Level: Oct 4 1995, 6.84 ft.

Next High Tide: 09/12/2017 00:43 (CDT), 0.32 ft.

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

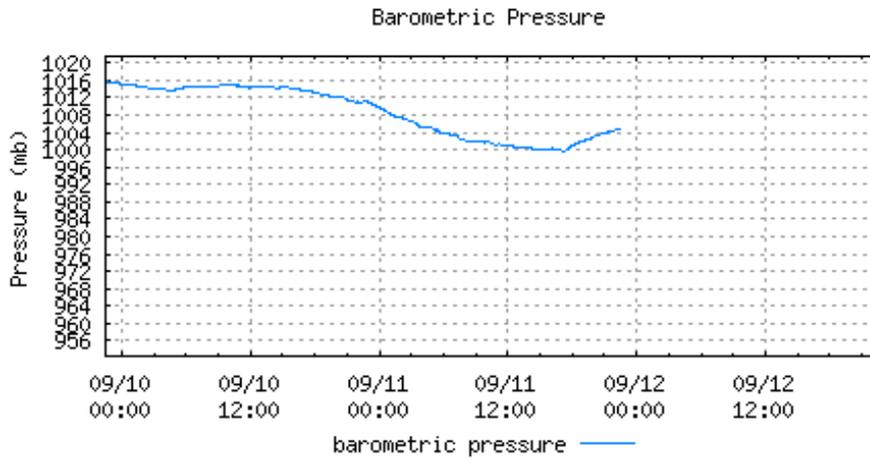
Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2017 22:24 (CDT)

Wind Speed: 23 knots Gusts: 26 knots Direction: 302° T

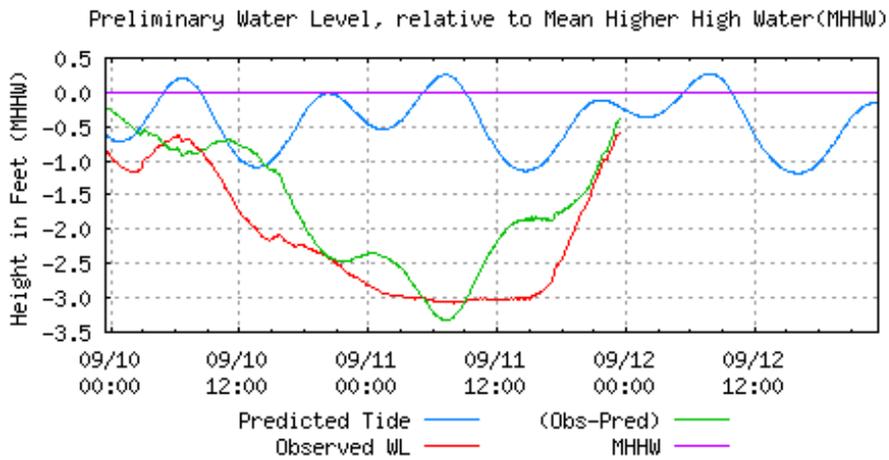
NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL



Last Observed Sample: 09/11/2017 22:24 (CDT)

Barometric Pressure: 1004.7 mb

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL



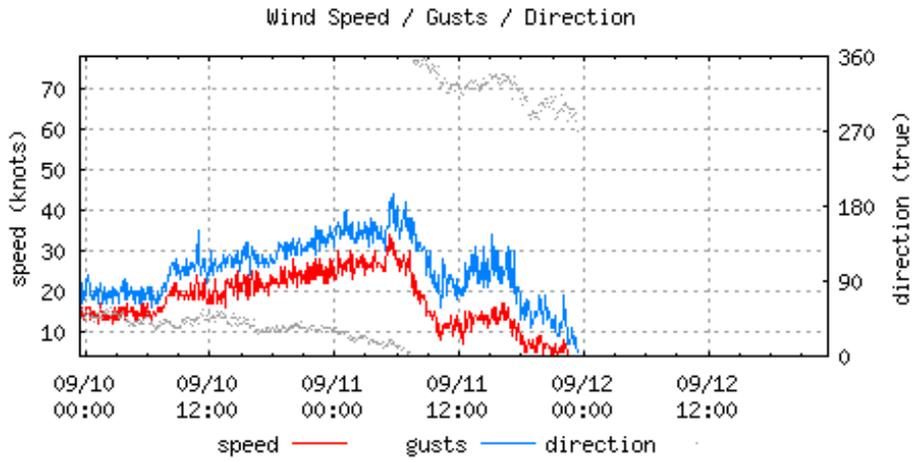
Last Observed Sample: 09/11/2017 23:24 (EDT). Data relative to MHHW

Observed: -0.60 ft. Predicted: -0.21 ft. Residual: -0.39 ft.

Historical Maximum Water Level: Jul 10 2005, 6.43 ft.

Next High Tide: 09/12/2017 07:48 (EDT), 0.27 ft.

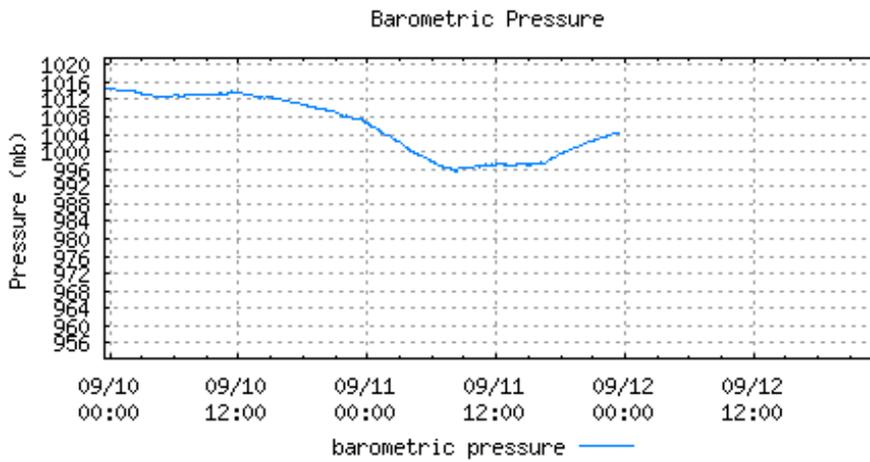
NOAA/NOS/CO-OPS 8728690 Apalachicola, FL



Last Observed Sample: 09/11/2017 23:24 (EDT)

Wind Speed: 3 knots Gusts: 5 knots Direction: 269° T

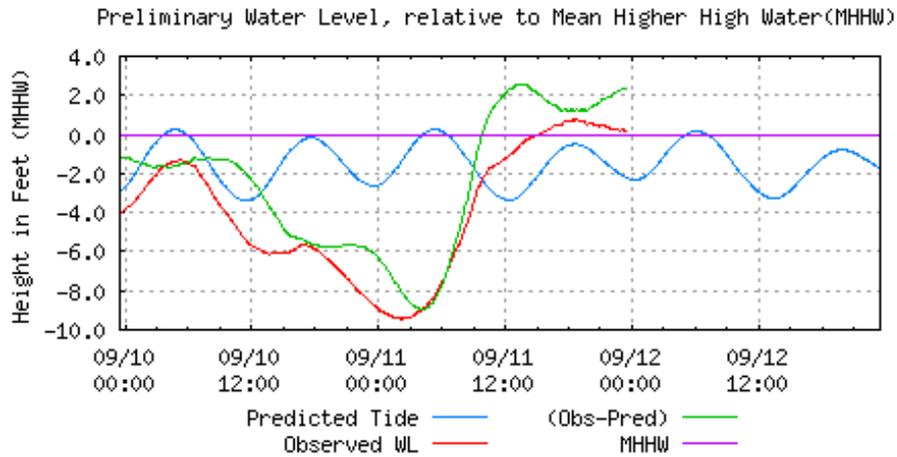
NOAA/NOS/CO-OPS 8728690 Apalachicola, FL



Last Observed Sample: 09/11/2017 23:24 (EDT)

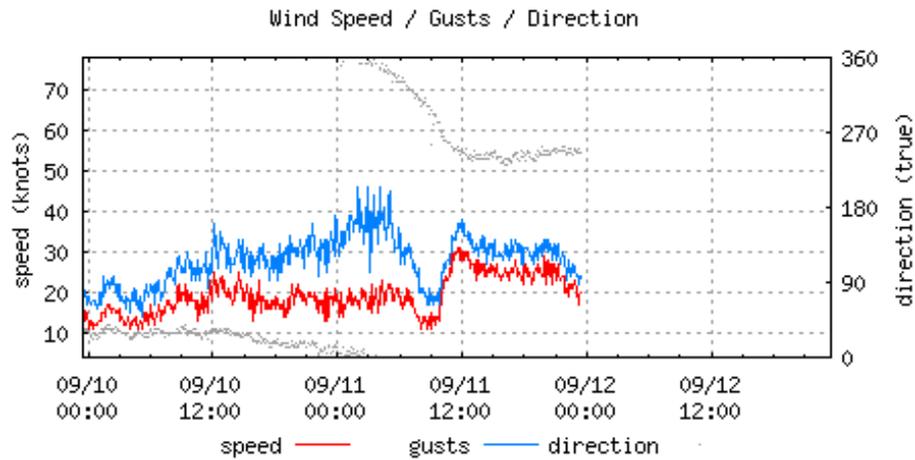
Barometric Pressure: 1004.4 mb

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 09/11/2017 23:24 (EDT). Data relative to MHHW
Observed: 0.19 ft. Predicted: -2.20 ft. Residual: 2.39 ft.
 Historical Maximum Water Level: Sep 2 2016, 5.98 ft.
 Next High Tide: 09/12/2017 06:07 (EDT), 0.17 ft.

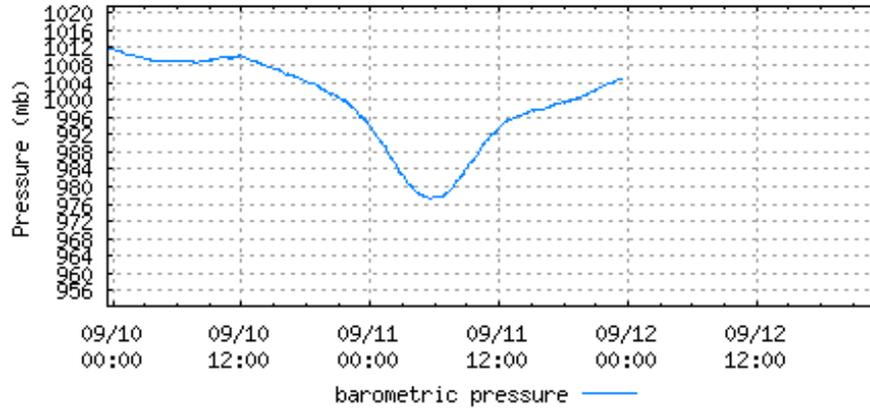
NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 09/11/2017 23:24 (EDT)
Wind Speed: 20 knots Gusts: 24 knots Direction: 246° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL

Barometric Pressure



Last Observed Sample: 09/11/2017 23:24 (EDT)

Barometric Pressure: 1004.7 mb

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
8720625	Racy Point, St Johns River, FL	09/11/2017 23:24 (EDT)	3.36 ft	-0.34 ft	3.70 ft	3.96 ft
8720226	Southbank Riverwalk, St Johns River, FL	09/11/2017 23:30 (EDT)	2.33 ft	-1.16 ft	3.49 ft	4.94 ft
8720218	Mayport (Bar Pilots Dock), FL	09/11/2017 23:24 (EDT)	-0.23 ft	-0.99 ft	0.76 ft	3.62 ft
8720030	Fernandina Beach, FL	09/11/2017 23:24 (EDT)	-1.52 ft	-1.98 ft	0.46 ft	3.60 ft
8670870	Fort Pulaski, GA	09/11/2017 23:18 (EDT)	-0.39 ft	-1.43 ft	1.04 ft	4.74 ft
8665530	Charleston, Cooper River Entrance, SC	09/11/2017 23:18 (EDT)	0.79 ft	-0.85 ft	1.64 ft	4.16 ft
8662245	Oyster Landing (N Inlet Estuary), SC	09/11/2017 23:18 (EDT)	0.84 ft	-1.26 ft	2.10 ft	3.35 ft
8661070	Springmaid Pier, SC	09/11/2017 23:18 (EDT)	1.11 ft	-0.72 ft	1.83 ft	2.87 ft
8725520	Fort Myers, Caloosahatchee River, FL	09/11/2017 23:24 (EDT)	1.67 ft	-0.42 ft	2.09 ft	3.28 ft
8726520	St Petersburg, Tampa Bay, FL	09/11/2017 20:36 (EDT)	0.69 ft	-0.50 ft	1.19 ft	1.17 ft
8726724	Clearwater Beach, FL	09/11/2017 23:12 (EDT)	0.48 ft	-1.11 ft	1.59 ft	0.86 ft
8729210	Panama City Beach, FL	09/11/2017 22:24 (CDT)	-0.59 ft	0.18 ft	-0.77 ft	-0.58 ft
8728690	Apalachicola, FL	09/11/2017 23:24 (EDT)	-0.60 ft	-0.21 ft	-0.39 ft	-0.60 ft
8727520	Cedar Key, FL	09/11/2017 23:24 (EDT)	0.19 ft	-2.20 ft	2.39 ft	0.82 ft

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