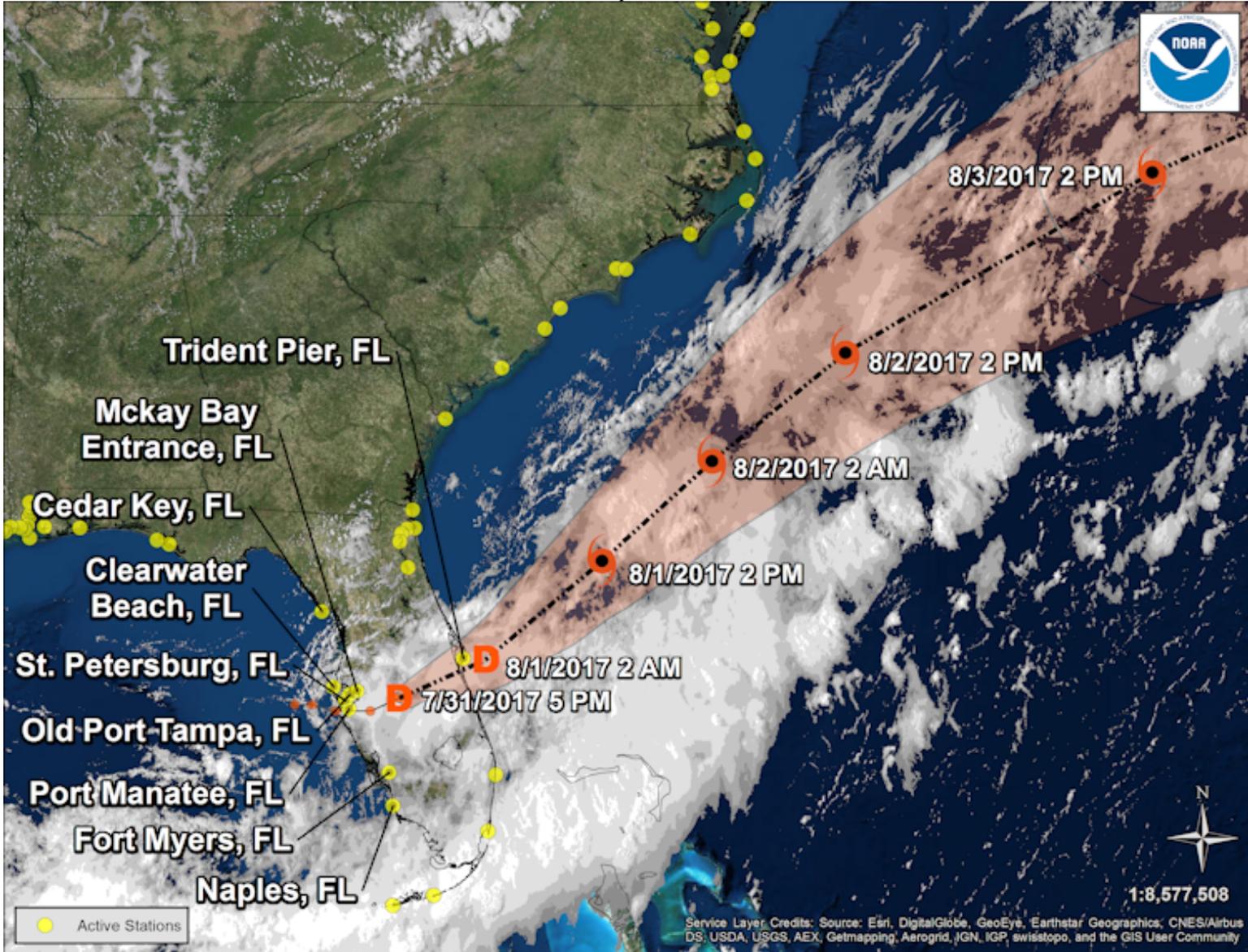




Tropical Depression EMILY QuickLook  
Posted: 18:00 EDT 07/31/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 07/31/2017 18:00 EDT, water levels along the western coast of Florida are slightly elevated and range between 0.20 and 1.40 ft above normal tide levels. Water levels near Trident Pier on the central eastern shore of Florida are elevated by over 0.60 ft above normal tide levels and are rising. Wind speeds are steady across the region, ranging between 5 and 20 knots with slightly higher gusts. Barometric pressure is seasonal, showing little to no effects from EMILY.

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: CF

-----  
SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Tropical Depression Emily Advisory Number 4  
NWS National Hurricane Center Miami FL AL062017  
500 PM EDT Mon Jul 31 2017

...EMILY WEAKENS TO A DEPRESSION OVER CENTRAL FLORIDA...  
...HEAVY RAINFALL STILL POSSIBLE ACROSS SOUTHEASTERN FLORIDA...

SUMMARY OF 500 PM EDT...2100 UTC...INFORMATION

-----  
LOCATION...27.8N 81.7W  
ABOUT 30 MI...45 KM NW OF SEBRING FLORIDA  
ABOUT 70 MI...115 KM WSW OF MELBOURNE FLORIDA  
MAXIMUM SUSTAINED WINDS...35 MPH...55 KM/H  
PRESENT MOVEMENT...ENE OR 70 DEGREES AT 12 MPH...19 KM/H  
MINIMUM CENTRAL PRESSURE...1007 MB...29.74 INCHES

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning has been discontinued for the remainder of the Florida west coast.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

There are no coastal watches or warnings in effect.

DISCUSSION AND 48-HOUR OUTLOOK

-----  
At 500 PM EDT (2100 UTC), the center of Tropical Depression Emily was located near latitude 27.8 North, longitude 81.7 West. Emily is moving toward the east-northeast near 12 mph (19 km/h), and this general motion is expected to continue this afternoon and early evening. A turn toward the northeast with an increase in forward speed is expected by tonight and Tuesday. On the forecast track, the center of Emily will continue to move farther inland over the central Florida peninsula this evening, and move offshore of the east-central Florida coast Tuesday morning.

Maximum sustained winds have decreased to near 35 mph (55 km/h) with higher gusts. Some additional weakening is possible while Emily moves across the central Florida peninsula tonight. Slow strengthening is forecast after Emily emerges over the Atlantic Ocean on Tuesday.

The estimated minimum central pressure based on nearby surface observations is 1007 mb (29.74 inches).

## HAZARDS AFFECTING LAND

-----  
RAINFALL: Emily is expected to produce additional rainfall of 1 to 2 inches across southeast Florida, with isolated storm totals up to 8 inches possible.

## NEXT ADVISORY

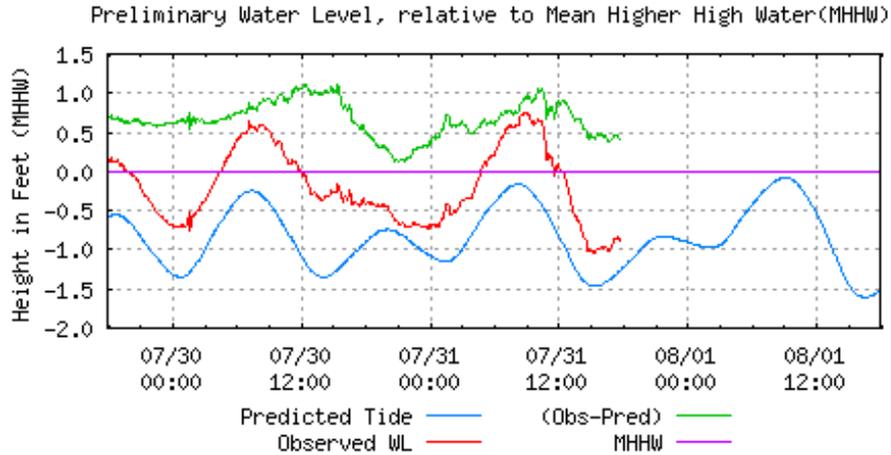
-----  
Next complete advisory at 1100 PM EDT.

Forecaster Stewart

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.

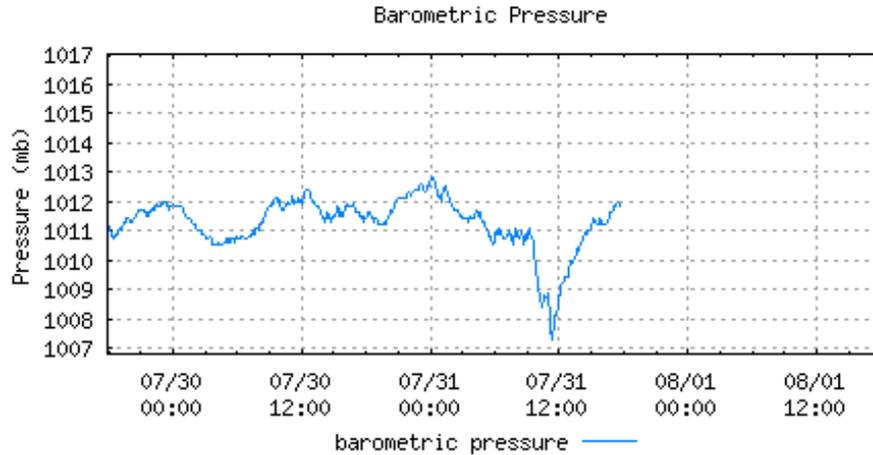
Jump to: [Port Manatee - Water Level](#), [Port Manatee - Barometric](#), [St Petersburg, Tampa Bay - Water Level](#), [St Petersburg, Tampa Bay - Winds](#), [St Petersburg, Tampa Bay - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Old Port Tampa - Barometric](#), [Mckay Bay Entrance - Water Level](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#)

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



Last Observed Sample: 07/31/2017 17:48 (EDT). Data relative to MHHW  
**Observed: -0.86 ft. Predicted: -1.25 ft. Residual: 0.39 ft.**  
 Historical Maximum Water Level: Sep 6 2004, 2.29 ft.  
 Next High Tide: 07/31/2017 21:41 (EDT), -0.83 ft.

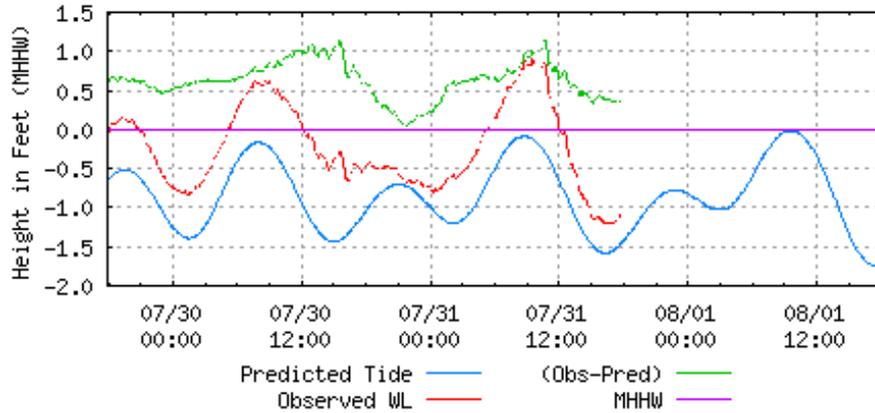
NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)  
**Barometric Pressure: 1011.8 mb**

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

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



Last Observed Sample: 07/31/2017 17:42 (EDT). Data relative to MHHW

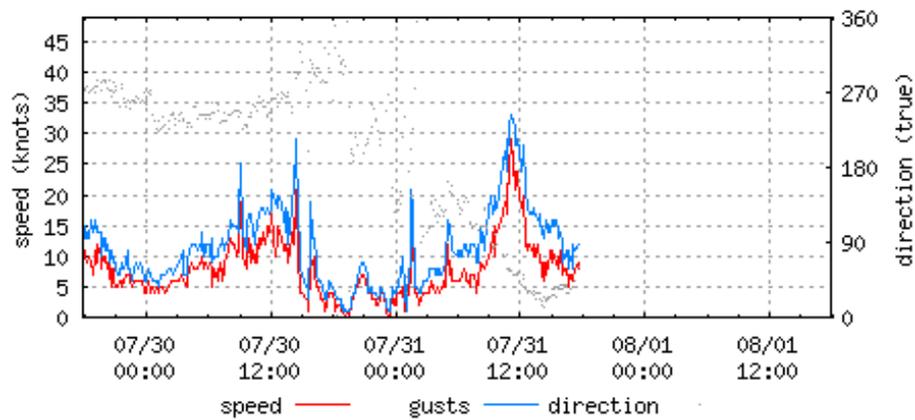
**Observed: -1.10 ft. Predicted: -1.47 ft. Residual: 0.37 ft.**

Historical Maximum Water Level: Aug 31 1985, 4.00 ft.

Next High Tide: 07/31/2017 22:49 (EDT), -0.78 ft.

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

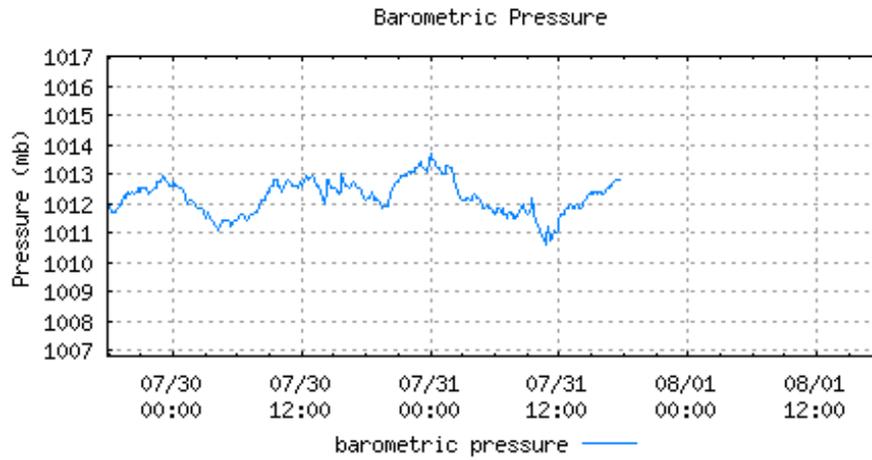
Wind Speed / Gusts / Direction



Last Observed Sample: 07/31/2017 17:42 (EDT)

**Wind Speed: 8 knots Gusts: 12 knots Direction: 60° T**

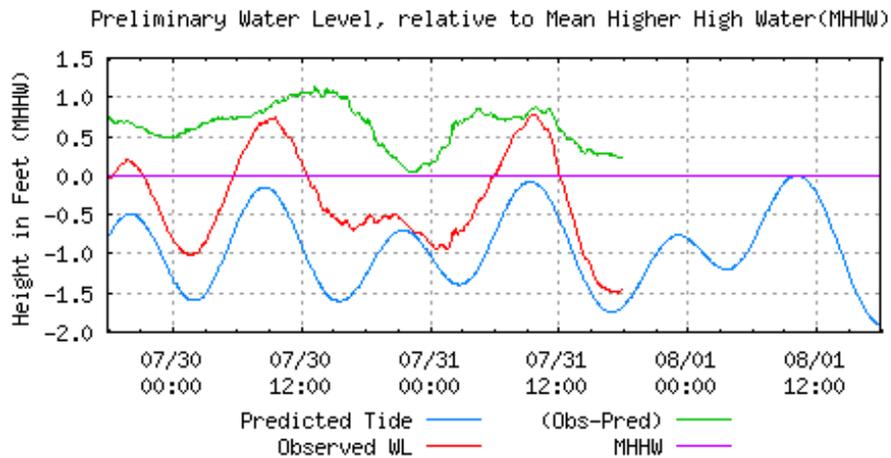
NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



Last Observed Sample: 07/31/2017 17:42 (EDT)

Barometric Pressure: 1012.8 mb

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL



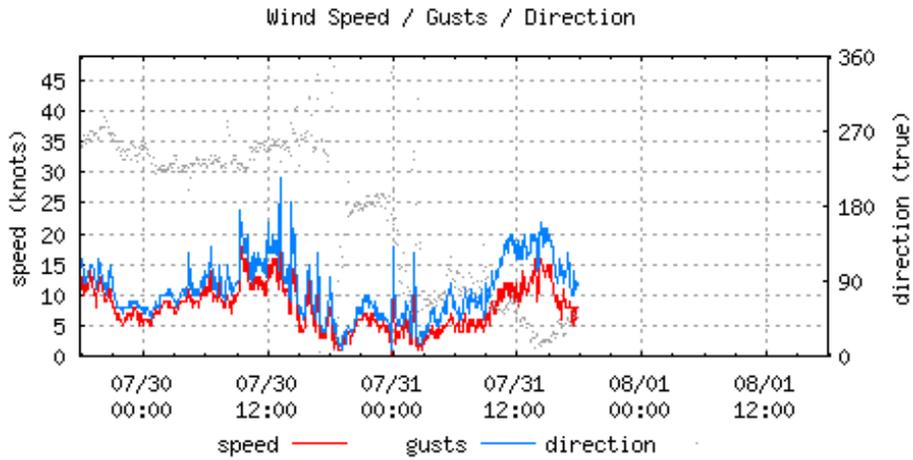
Last Observed Sample: 07/31/2017 17:48 (EDT). Data relative to MHHW

Observed: -1.45 ft. Predicted: -1.69 ft. Residual: 0.24 ft.

Historical Maximum Water Level: Oct 8 1996, 3.60 ft.

Next High Tide: 07/31/2017 23:06 (EDT), -0.77 ft.

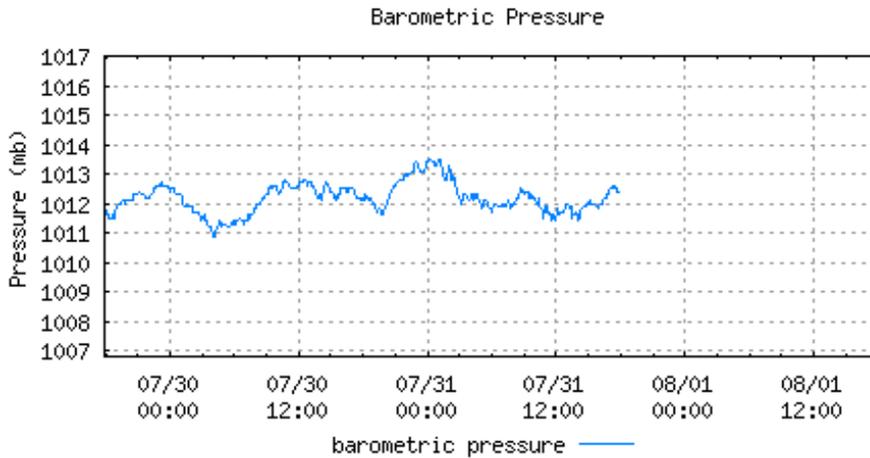
NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)

Wind Speed: 8 knots    Gusts: 12 knots    Direction: 45° T

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL

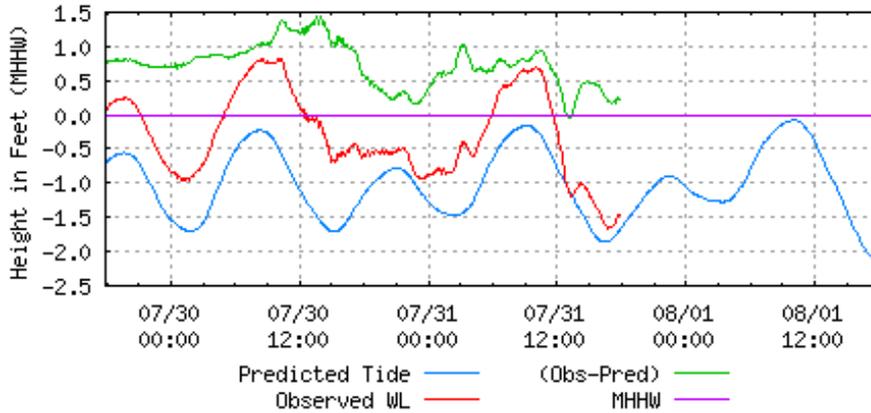


Last Observed Sample: 07/31/2017 17:48 (EDT)

Barometric Pressure: 1012.4 mb

NOAA/NOS/CO-OPS 8726667 Mckay Bay Entrance, FL

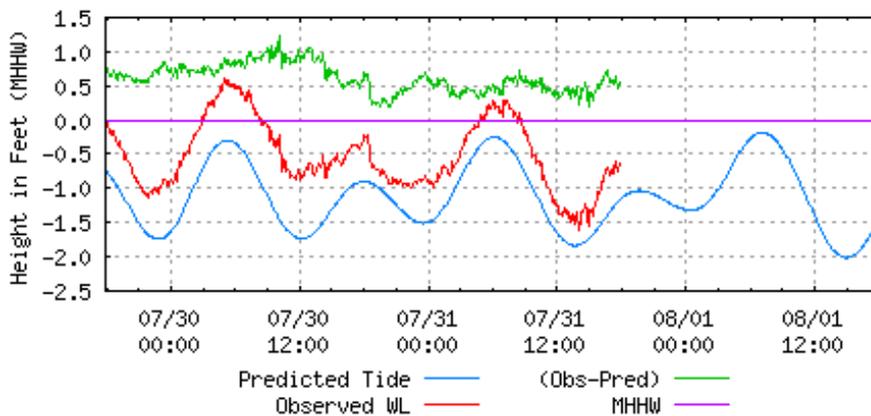
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 07/31/2017 17:48 (EDT). Data relative to MHHW  
**Observed: -1.46 ft. Predicted: -1.69 ft. Residual: 0.23 ft.**  
 Historical Maximum Water Level: Oct 8 1996, 4.32 ft.  
 Next High Tide: 07/31/2017 22:24 (EDT), -0.90 ft.

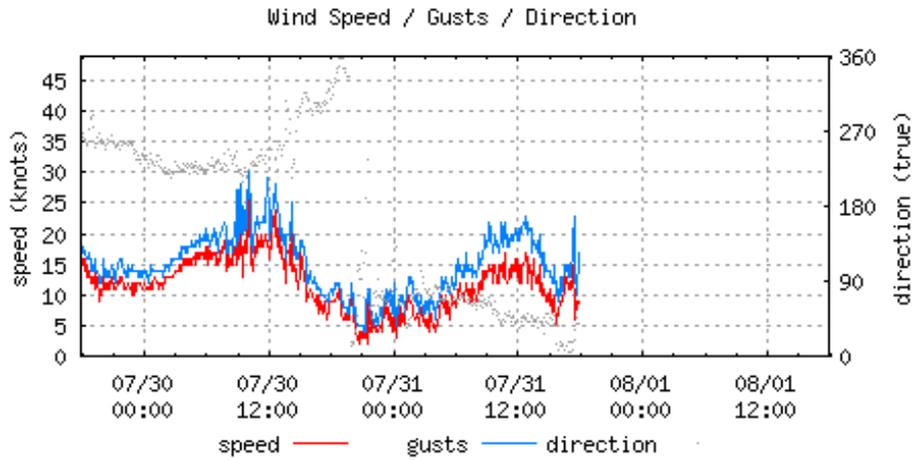
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

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



Last Observed Sample: 07/31/2017 17:48 (EDT). Data relative to MHHW  
**Observed: -0.62 ft. Predicted: -1.18 ft. Residual: 0.56 ft.**  
 Historical Maximum Water Level: Mar 13 1993, 4.00 ft.  
 Next High Tide: 07/31/2017 19:39 (EDT), -1.03 ft.

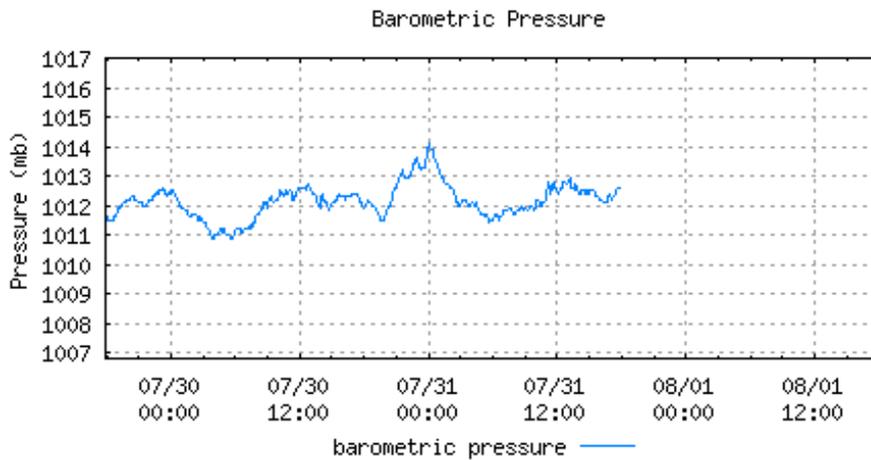
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)

Wind Speed: 9 knots Gusts: 17 knots Direction: 39° T

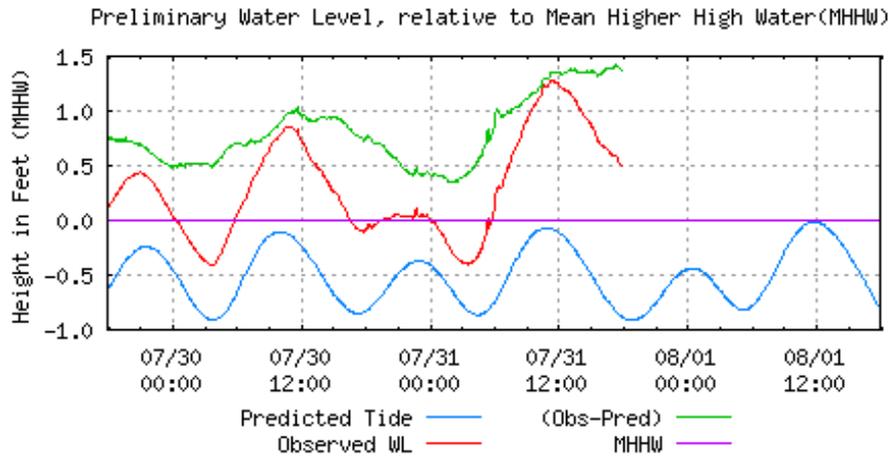
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)

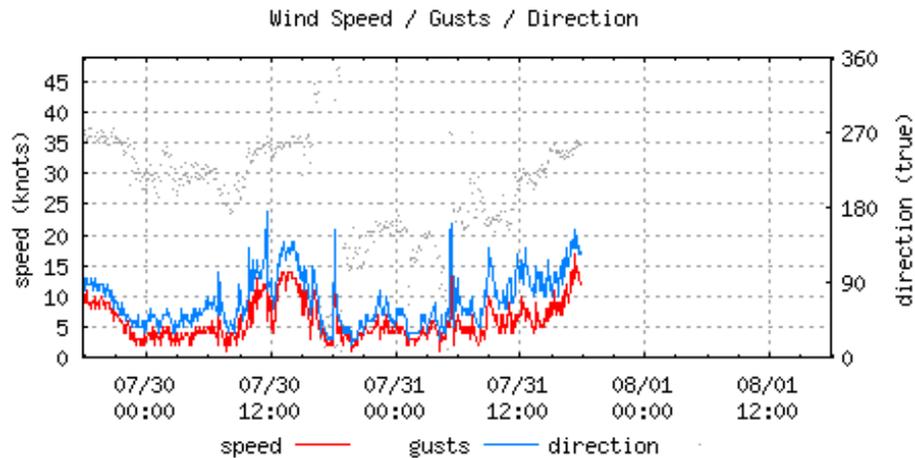
Barometric Pressure: 1012.6 mb

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



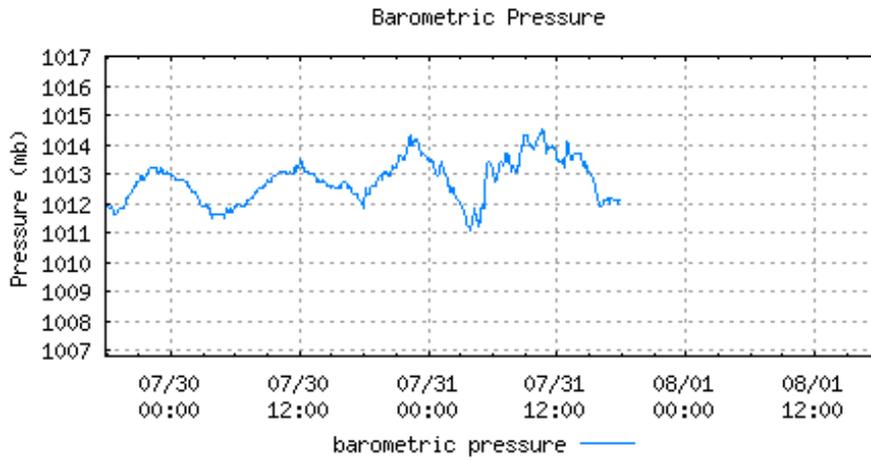
Last Observed Sample: 07/31/2017 17:48 (EDT). Data relative to MHHW  
**Observed: 0.49 ft. Predicted: -0.88 ft. Residual: 1.37 ft.**  
 Historical Maximum Water Level: Nov 23 1988, 3.41 ft.  
 Next High Tide: 08/01/2017 00:23 (EDT), -0.43 ft.

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



Last Observed Sample: 07/31/2017 17:48 (EDT)  
**Wind Speed: 12 knots Gusts: 17 knots Direction: 256° T**

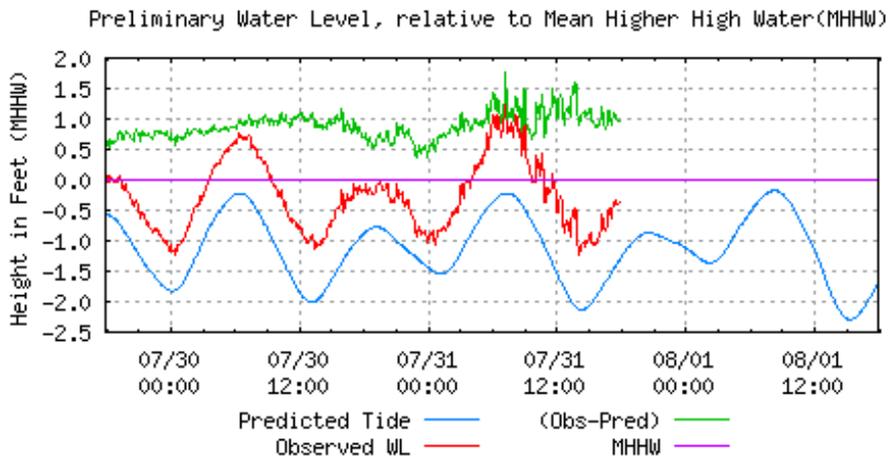
NOAA/NOS/CO-OPS 8725520 Fort Myers, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)

Barometric Pressure: 1012.1 mb

NOAA/NOS/CO-OPS 8725110 Naples, FL



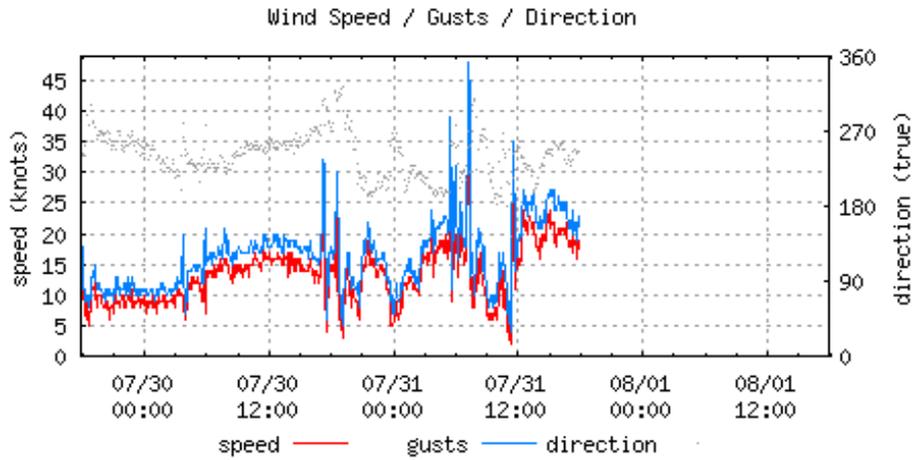
Last Observed Sample: 07/31/2017 17:48 (EDT). Data relative to MHHW

Observed: -0.37 ft. Predicted: -1.32 ft. Residual: 0.95 ft.

Historical Maximum Water Level: Dec 21 1972, 3.11 ft.

Next High Tide: 07/31/2017 20:29 (EDT), -0.87 ft.

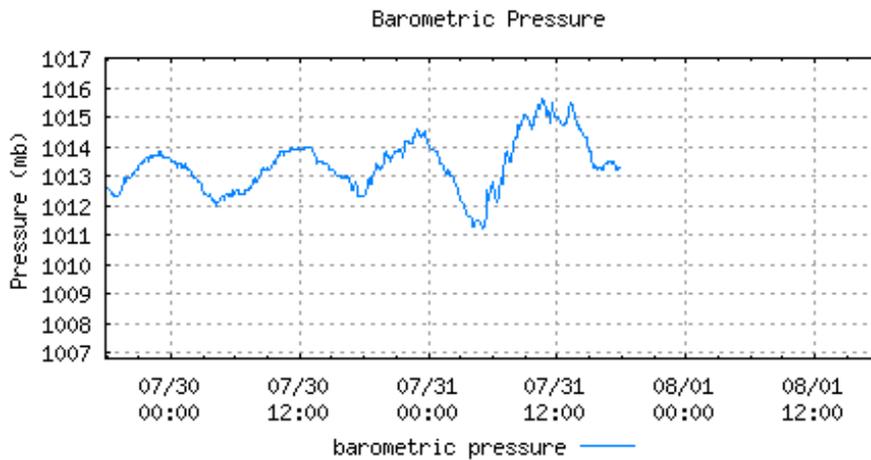
NOAA/NOS/CO-OPS 8725110 Naples, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)

Wind Speed: 19 knots Gusts: 23 knots Direction: 245° T

NOAA/NOS/CO-OPS 8725110 Naples, FL

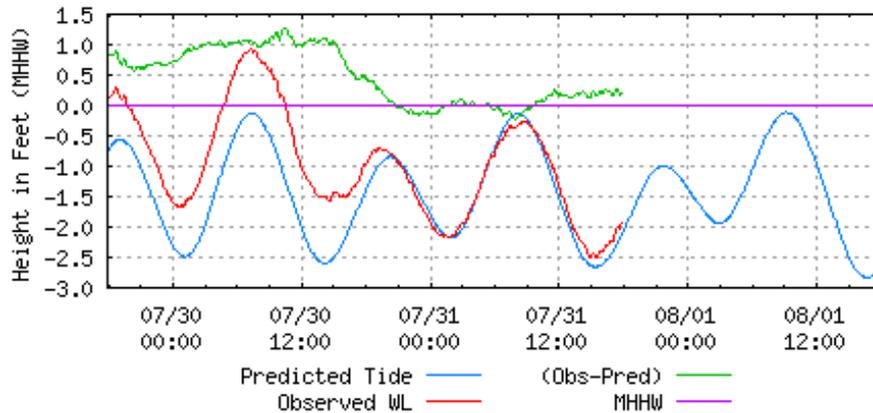


Last Observed Sample: 07/31/2017 17:48 (EDT)

Barometric Pressure: 1013.3 mb

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

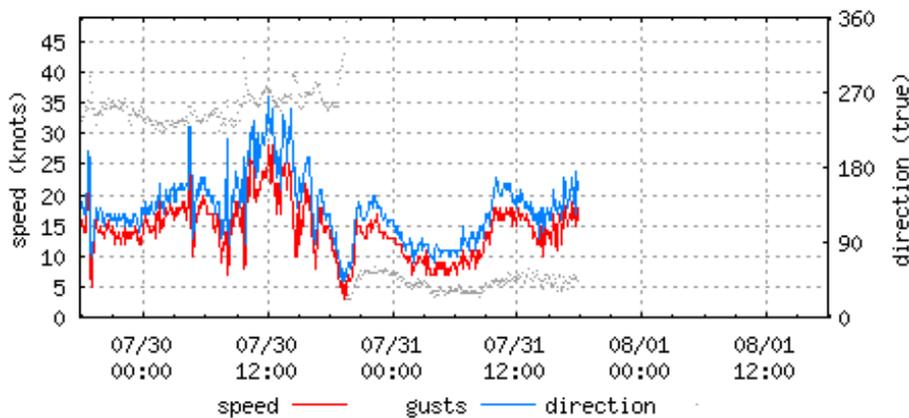
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 07/31/2017 17:48 (EDT). Data relative to MHHW  
**Observed: -1.94 ft. Predicted: -2.14 ft. Residual: 0.20 ft.**  
 Historical Maximum Water Level: Oct 7 1996, 5.15 ft.  
 Next High Tide: 07/31/2017 21:41 (EDT), -0.99 ft.

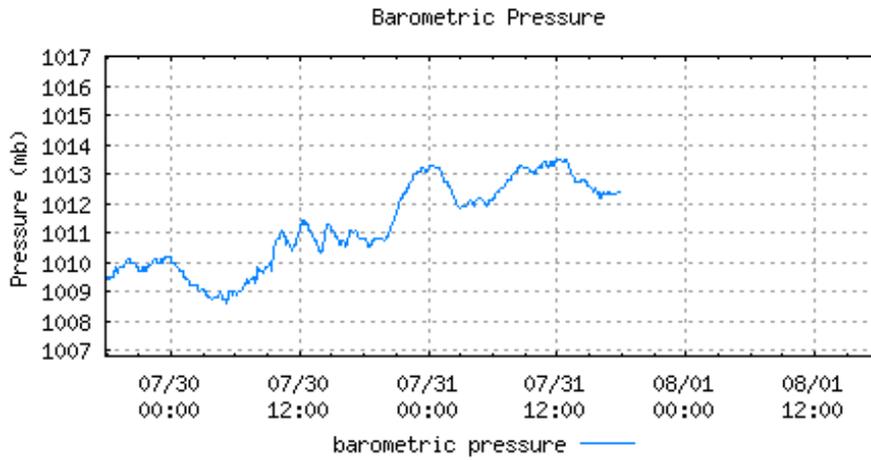
NOAA/NOS/CO-OPS 8727520 Cedar Key, FL

Wind Speed / Gusts / Direction



Last Observed Sample: 07/31/2017 17:48 (EDT)  
**Wind Speed: 16 knots Gusts: 21 knots Direction: 43° T**

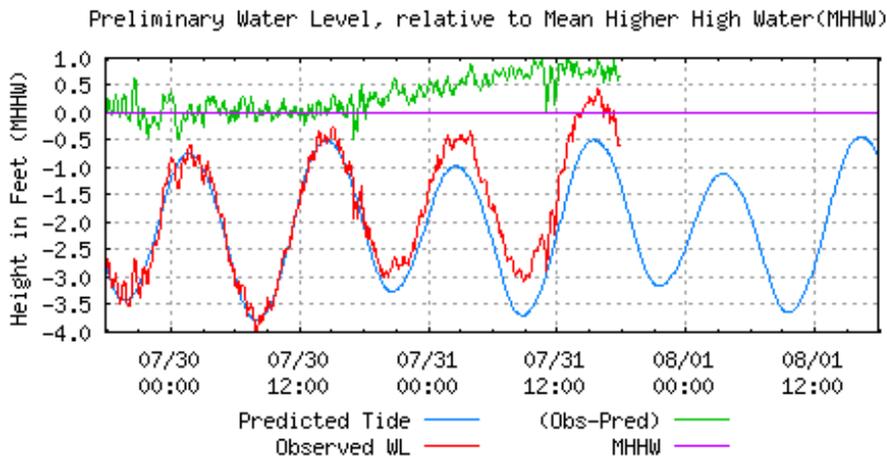
NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)

Barometric Pressure: 1012.4 mb

NOAA/NOS/CO-OPS 8721604 Trident Pier, FL



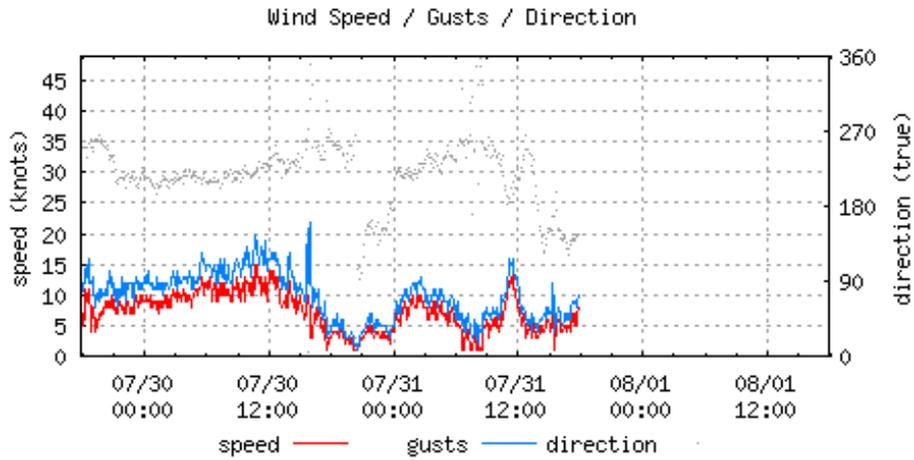
Last Observed Sample: 07/31/2017 17:48 (EDT). Data relative to MHHW

Observed: -0.60 ft. Predicted: -1.25 ft. Residual: 0.65 ft.

Historical Maximum Water Level: Sep 26 2004, 4.01 ft.

Next High Tide: 08/01/2017 03:25 (EDT), -1.11 ft.

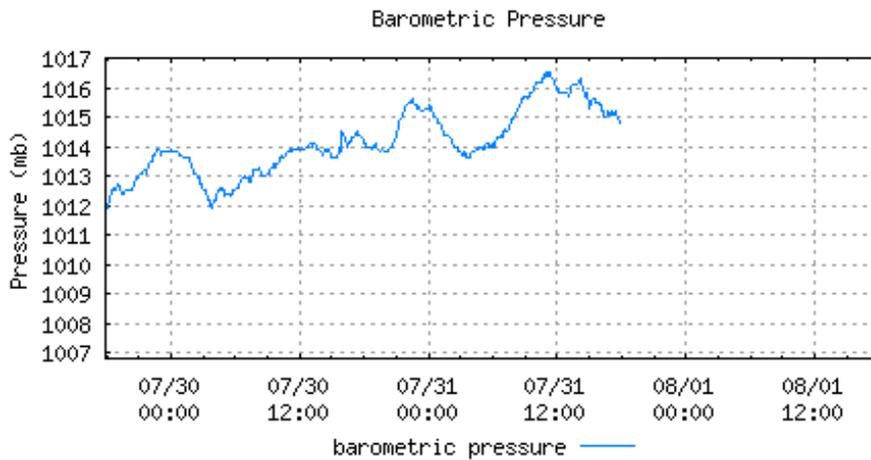
NOAA/NOS/CO-OPS 8721604 Trident Pier, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)

Wind Speed: 8 knots Gusts: 10 knots Direction: 146° T

NOAA/NOS/CO-OPS 8721604 Trident Pier, FL



Last Observed Sample: 07/31/2017 17:48 (EDT)

Barometric Pressure: 1014.8 mb

Latest Water Level Observations on MHHW

<b>Station ID</b>	<b>Station Name</b>	<b>Date/Time</b>	<b>Observed Water Level</b>	<b>Predicted Tide</b>	<b>Residual Water Level</b>	<b>24 Hour Maximum Storm Tide</b>
8726384	Port Manatee, FL	07/31/2017 17:48 (EDT)	-0.86 ft	-1.25 ft	0.39 ft	0.76 ft
8726520	St Petersburg, Tampa Bay, FL	07/31/2017 17:42 (EDT)	-1.10 ft	-1.47 ft	0.37 ft	0.89 ft
8726607	Old Port Tampa, FL	07/31/2017 17:48 (EDT)	-1.45 ft	-1.69 ft	0.24 ft	0.78 ft
8726667	Mckay Bay Entrance, FL	07/31/2017 17:48 (EDT)	-1.46 ft	-1.69 ft	0.23 ft	0.69 ft
8726724	Clearwater Beach, FL	07/31/2017 17:48 (EDT)	-0.62 ft	-1.18 ft	0.56 ft	0.28 ft
8725520	Fort Myers, FL	07/31/2017 17:48 (EDT)	0.49 ft	-0.88 ft	1.37 ft	1.27 ft
8725110	Naples, FL	07/31/2017 17:48 (EDT)	-0.37 ft	-1.32 ft	0.95 ft	1.54 ft
8727520	Cedar Key, FL	07/31/2017 17:48 (EDT)	-1.94 ft	-2.14 ft	0.20 ft	-0.26 ft
8721604	Trident Pier, FL	07/31/2017 17:48 (EDT)	-0.60 ft	-1.25 ft	0.65 ft	0.46 ft

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