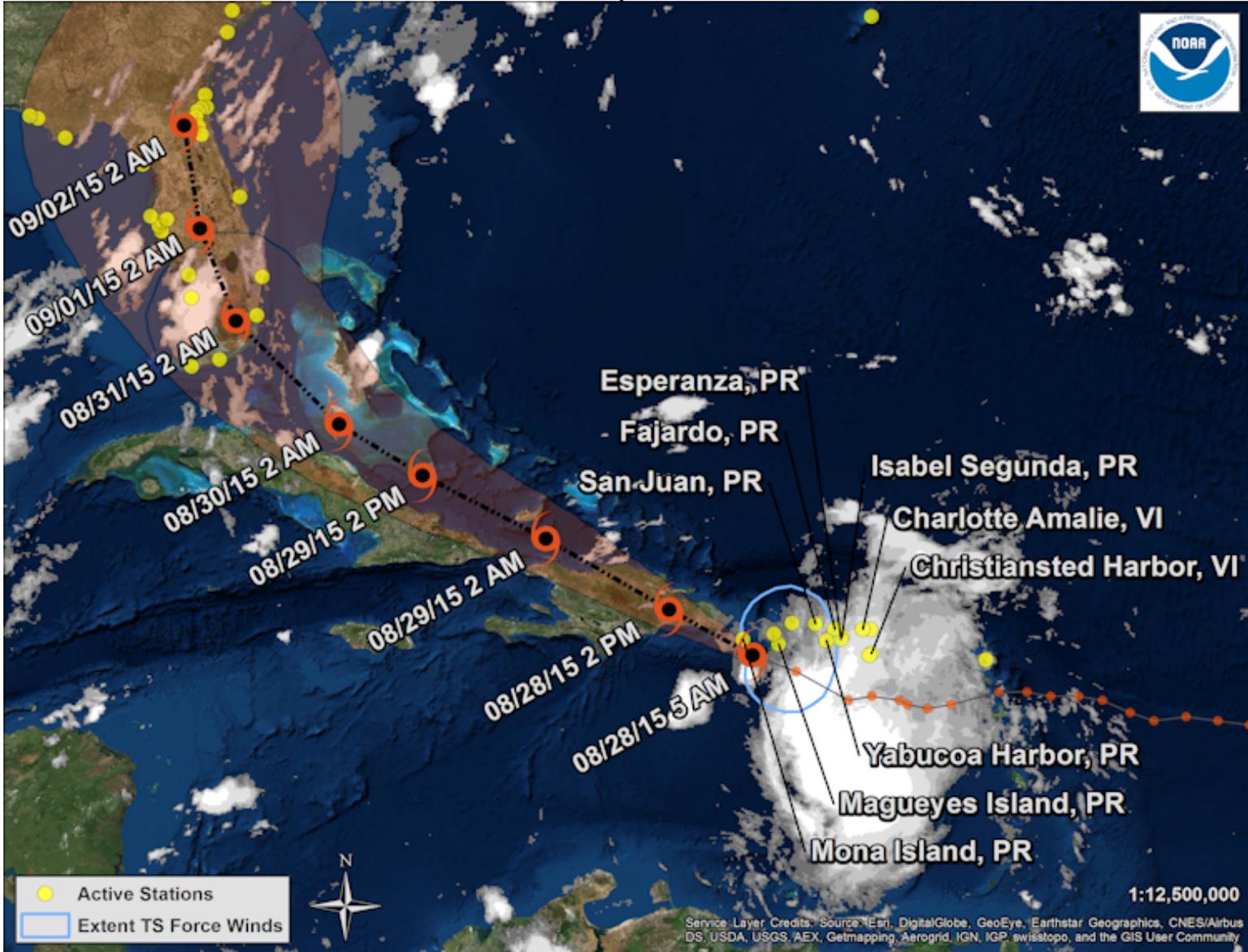




Tropical Storm ERIKA QuickLook  
Posted: 06:00 AST 08/28/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/28/2015 06:00 AST, water levels along the coasts of the U.S. Virgin Islands and Puerto Rico are slightly elevated and range between 0.2 and 1.0 feet above tidal predictions. Wind speeds are increasing with gusts over 40 kts measured at Esperanza, Vieques Island and Yabucoa Harbor, PR. Barometric pressure has begun to level off at most locations.

Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/28/2015

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

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ERIKA ADVISORY NUMBER 14

NWS NATIONAL HURRICANE CENTER MIAMI FL

500 AM AST FRI AUG 28 2015

...TROPICAL STORM CONDITIONS AND HEAVY RAIN STILL AFFECTING THE  
VIRGIN ISLANDS AND PUERTO RICO...

WATCHES AND WARNINGS

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SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- \* Puerto Rico
- \* Vieques
- \* Culebra
- \* U.S. Virgin Islands

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

For storm information specific to your area in the United States, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office. For storm information specific to your area outside the United States, please monitor products issued by your national meteorological service.

DISCUSSION AND 48-HOUR OUTLOOK

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At 500 AM AST, the center of Tropical Storm Erika was located about 155 MI ESE of Santo Domingo Dominican Republic. Erika is moving toward the west-northwest near 17 mph, and this general motion is expected to continue

Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/28/2015

for the next 48 hours. On the forecast track, the center of Erika will move over the Dominican Republic today, move near the Turks and Caicos Islands tonight, and move near the central and northwestern Bahamas Saturday and Saturday night.

Maximum sustained winds are near 50 mph with higher gusts. Some weakening is forecast today as Erika moves over land, followed by little change in strength through Saturday.

Tropical storm force winds extend outward up to 150 miles to the north and east of the center. A Weatherflow station in Las Mareas, Puerto Rico, recently reported a wind of 52 mph.

The estimated minimum central pressure is 1006 mb.

HAZARDS AFFECTING LAND

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WIND: Tropical storm conditions currently affecting the Virgin Islands and Puerto Rico will continue for the next several hours before subsiding later today. Tropical storm conditions will spread across portions of the Dominican Republic and Haiti today, the Turks and Caicos Islands and the southeastern Bahamas later today and tonight, and the central Bahamas on Saturday. Tropical storm conditions are possible in the northwestern Bahamas by Saturday night.

RAINFALL: Erika is expected to produce total rainfall accumulations of 4 to 8 inches with maximum amounts of 12 inches possible across portions of the Virgin Islands, Puerto Rico, the Dominican Republic and Haiti, the Turks and Caicos Islands, and the southeastern and central Bahamas through Saturday. These rains could cause life-threatening flash floods and mud slides.

NEXT ADVISORY

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Next intermediate advisory at 800 AM AST.

Next complete advisory at 1100 AM AST.

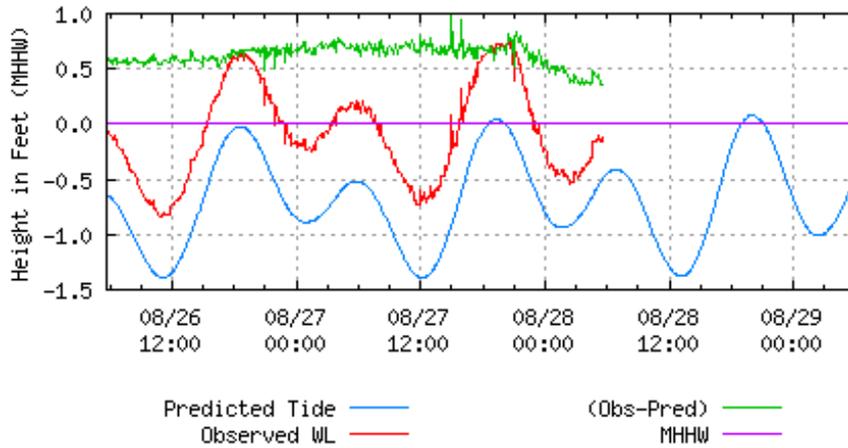
Forecaster Brennan

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: [Isabel Segunda, Vieques Island - Water Level](#), [Isabel Segunda, Vieques Island - Winds](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Fajardo - Water Level](#), [Fajardo - Winds](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Mona Island - Water Level](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#)

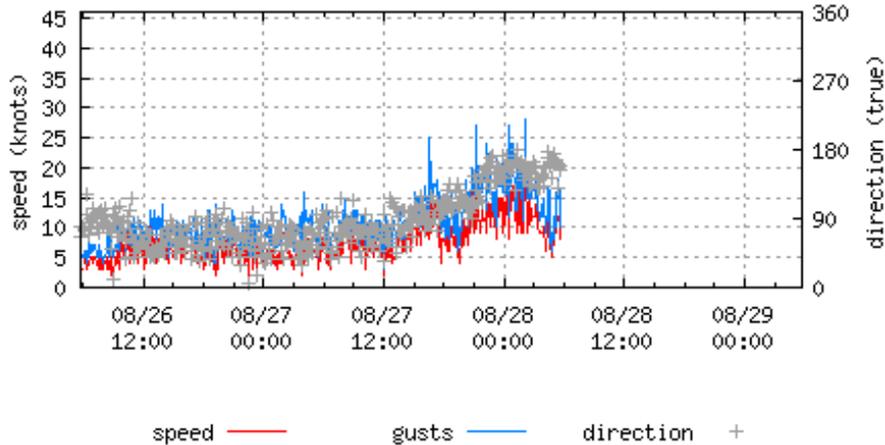
Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/28/2015

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR  
 Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/28/2015 05:36 (AST). Data relative to MHHW  
**Observed: -0.13 ft. Predicted: -0.49 ft. Residual: 0.36 ft.**  
 Historical Maximum Water Level: n/a  
 Next High Tide: 08/28/2015 06:51 (AST), -0.41 ft.

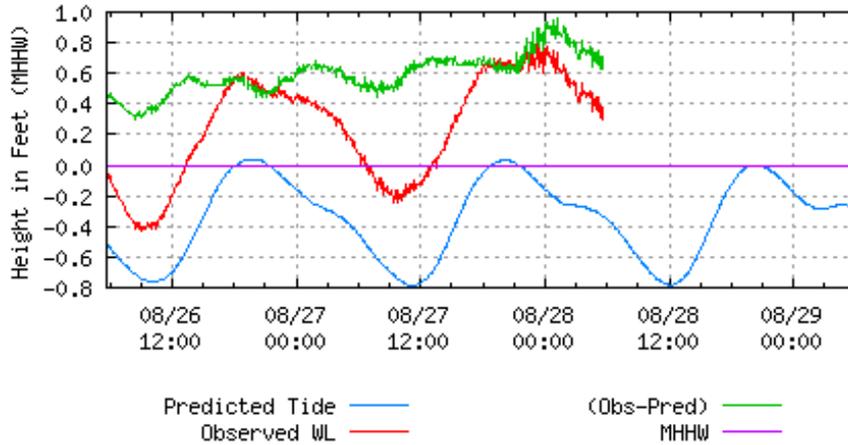
NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR  
 Wind Speed / Gusts / Direction



Last Observed Sample: 08/28/2015 05:36 (AST)  
**Wind Speed: 8 knots Gusts: 10 knots Direction: 154° T**

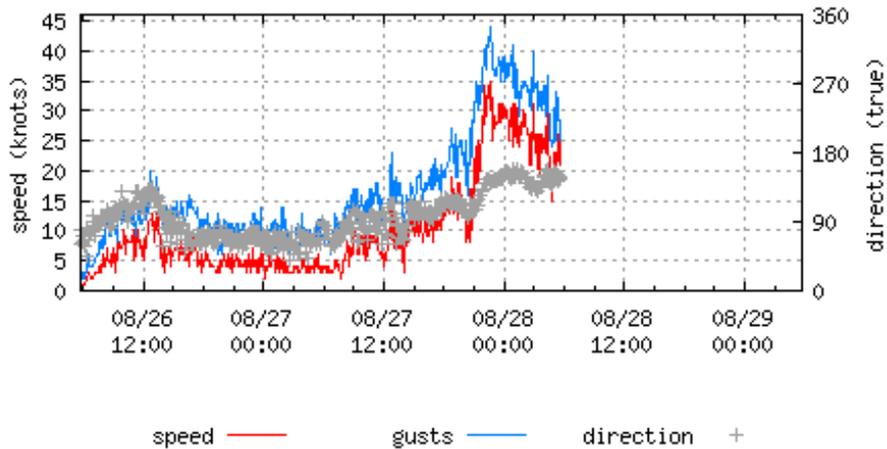
Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/28/2015

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR  
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



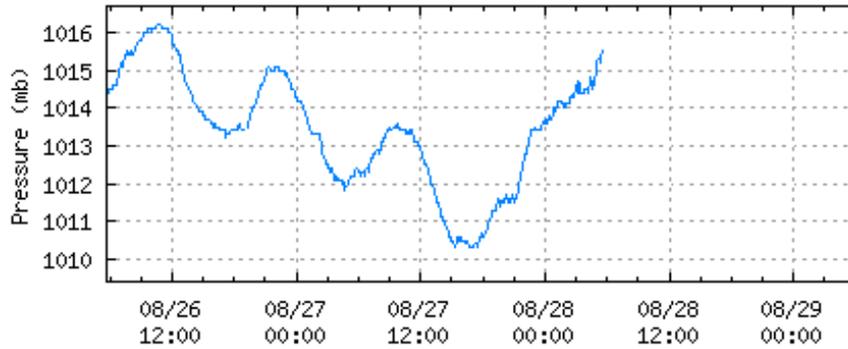
Last Observed Sample: 08/28/2015 05:36 (AST). Data relative to MHHW  
**Observed: 0.38 ft. Predicted: -0.33 ft. Residual: 0.71 ft.**  
 Historical Maximum Water Level: Aug 22 2011, 0.99 ft.  
 Next High Tide: 08/28/2015 20:17 (AST), -0.01 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR  
 Wind Speed / Gusts / Direction



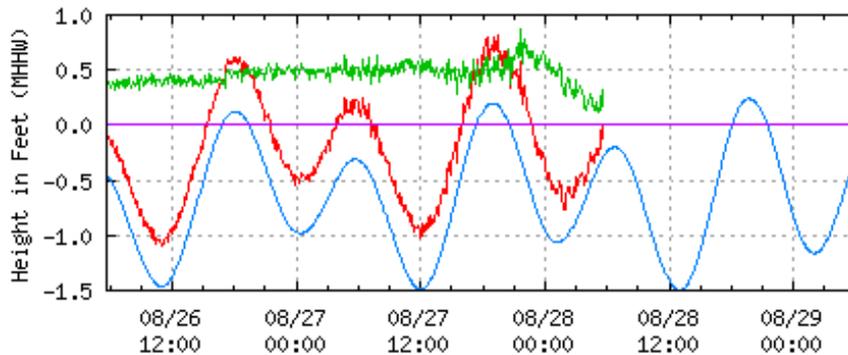
Last Observed Sample: 08/28/2015 05:36 (AST)  
**Wind Speed: 25 knots Gusts: 28 knots Direction: 145° T**

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR  
Barometric Pressure



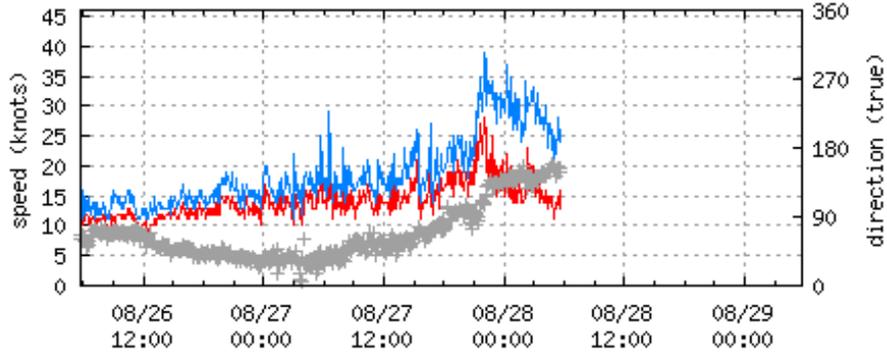
barometric pressure —  
Last Observed Sample: 08/28/2015 05:36 (AST)  
Barometric Pressure: 1015.5 mb

NOAA/NOS/CO-OPS 9753216 Fajardo, PR  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



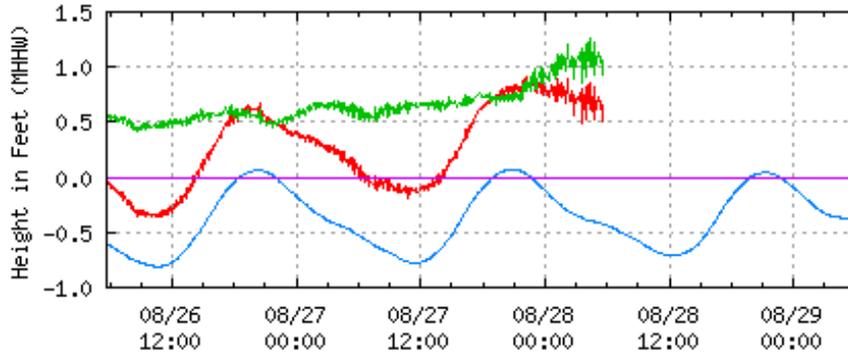
Last Observed Sample: 08/28/2015 05:36 (AST). Data relative to MHHW  
Observed: -0.12 ft. Predicted: -0.30 ft. Residual: 0.18 ft.  
Historical Maximum Water Level: Aug 30 2010, 0.84 ft.  
Next High Tide: 08/28/2015 06:44 (AST), -0.20 ft.

NOAA/NOS/CO-OPS 9753216 Fajardo, PR  
Wind Speed / Gusts / Direction



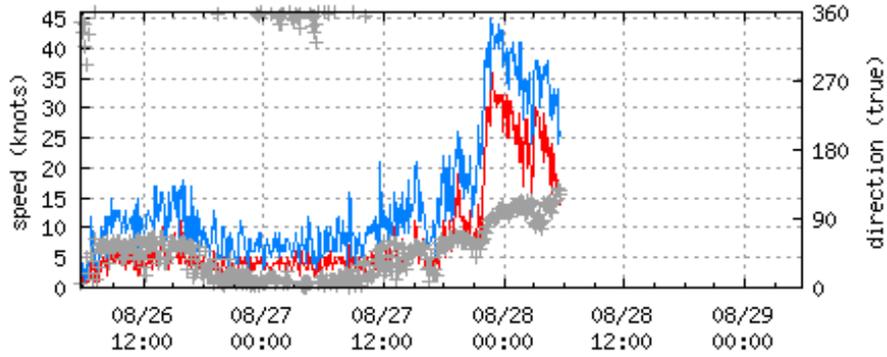
speed — gusts — direction +  
Last Observed Sample: 08/28/2015 05:36 (AST)  
Wind Speed: 16 knots Gusts: 24 knots Direction: 154° T

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



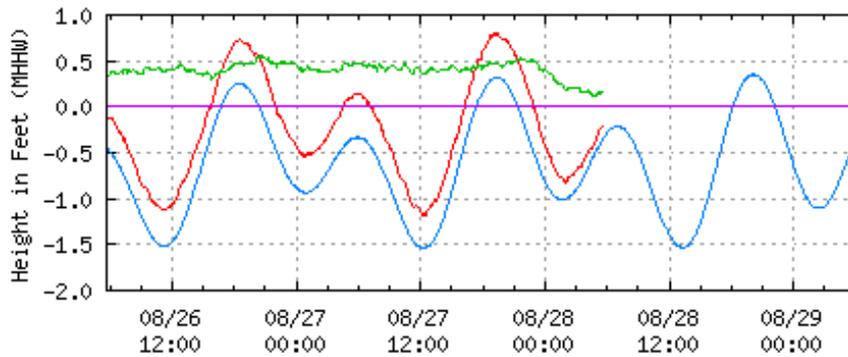
Last Observed Sample: 08/28/2015 05:36 (AST). Data relative to MHHW  
Observed: 0.50 ft. Predicted: -0.43 ft. Residual: 0.93 ft.  
Historical Maximum Water Level: n/a  
Next High Tide: 08/28/2015 21:14 (AST), 0.04 ft.

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR  
Wind Speed / Gusts / Direction



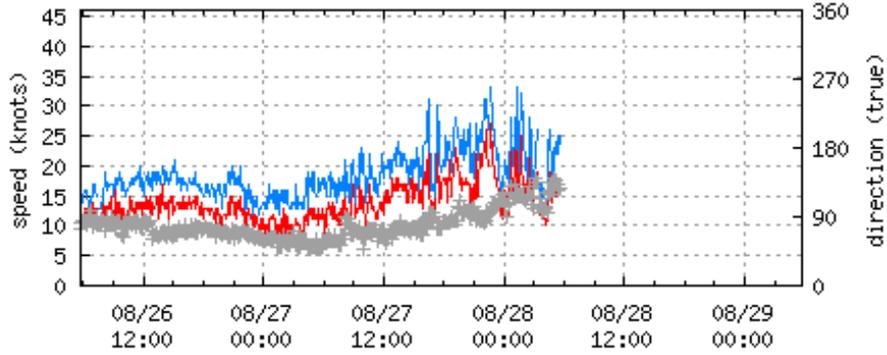
speed — gusts — direction +  
Last Observed Sample: 08/28/2015 05:36 (AST)  
Wind Speed: 14 knots Gusts: 26 knots Direction: 121° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



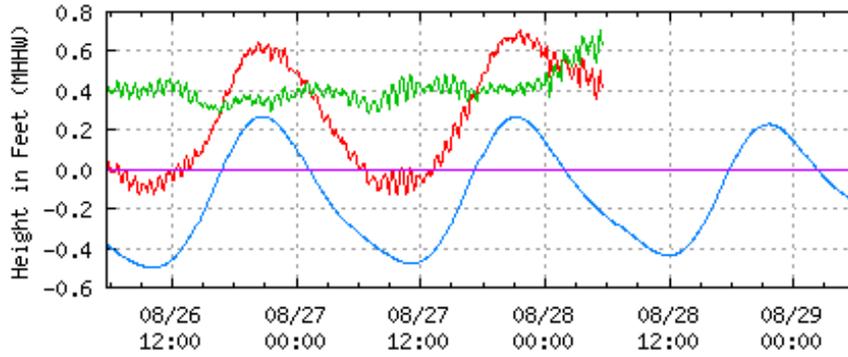
Last Observed Sample: 08/28/2015 05:30 (AST). Data relative to MHHW  
Observed: -0.20 ft. Predicted: -0.36 ft. Residual: 0.16 ft.  
Historical Maximum Water Level: Sep 18 1989, 2.77 ft.  
Next High Tide: 08/28/2015 07:00 (AST), -0.21 ft.

NOAA/NOS/CO-OPS 9755371 San Juan, PR  
Wind Speed / Gusts / Direction



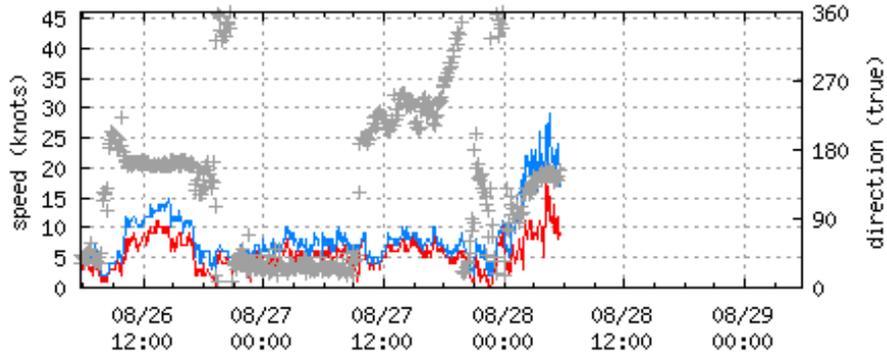
speed — gusts — direction +  
Last Observed Sample: 08/28/2015 05:30 (AST)  
Wind Speed: 18 knots Gusts: 25 knots Direction: 126° T

NOAA/NOS/CO-OPS 9759110 Magueyes Island, PR  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



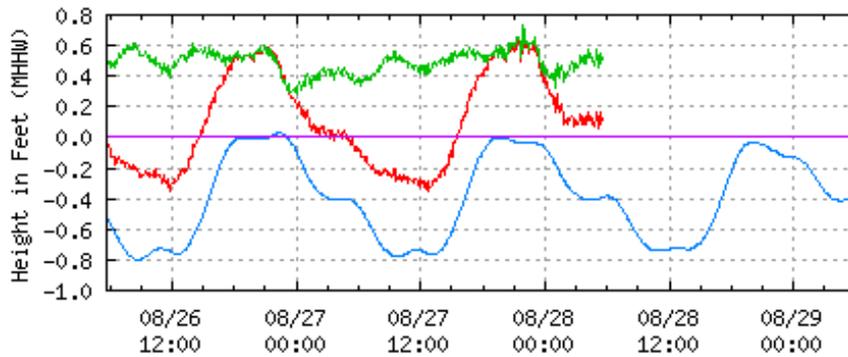
Last Observed Sample: 08/28/2015 05:30 (AST). Data relative to MHHW  
Observed: 0.42 ft. Predicted: -0.22 ft. Residual: 0.64 ft.  
Historical Maximum Water Level: Sep 22 1998, 1.60 ft.  
Next High Tide: 08/28/2015 21:35 (AST), 0.23 ft.

NOAA/NOS/CO-OPS 9759110 Magueyes Island, PR  
Wind Speed / Gusts / Direction



speed — gusts — direction +  
 Last Observed Sample: 08/28/2015 05:30 (AST)  
 Wind Speed: 9 knots Gusts: 17 knots Direction: 153° T

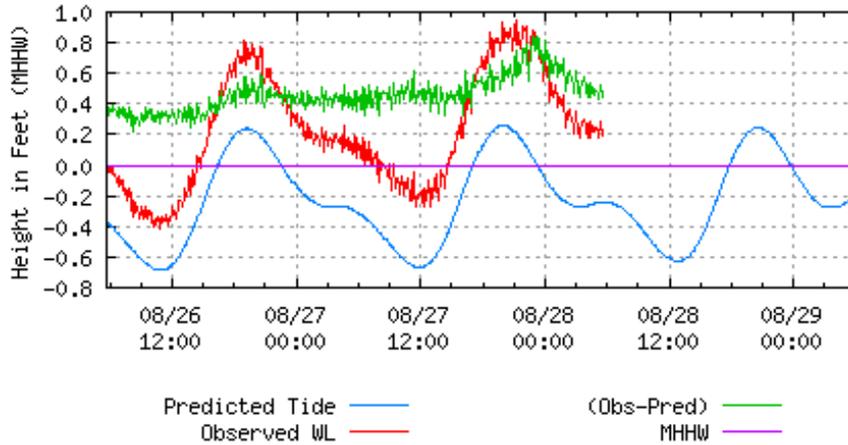
NOAA/NOS/CO-OPS 9759938 Mona Island, PR  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/28/2015 05:36 (AST). Data relative to MHHW  
 Observed: 0.13 ft. Predicted: -0.39 ft. Residual: 0.52 ft.  
 Historical Maximum Water Level: Dec 23 2010, 1.26 ft.  
 Next High Tide: 08/28/2015 05:59 (AST), -0.39 ft.

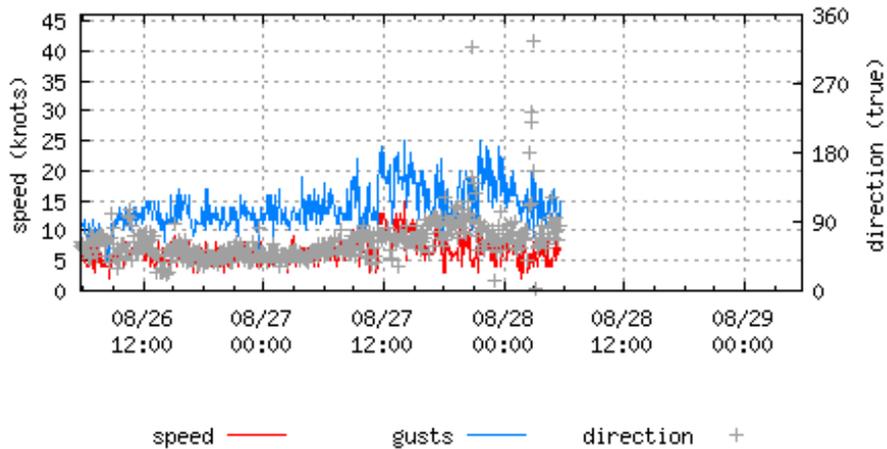
Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/28/2015

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI  
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



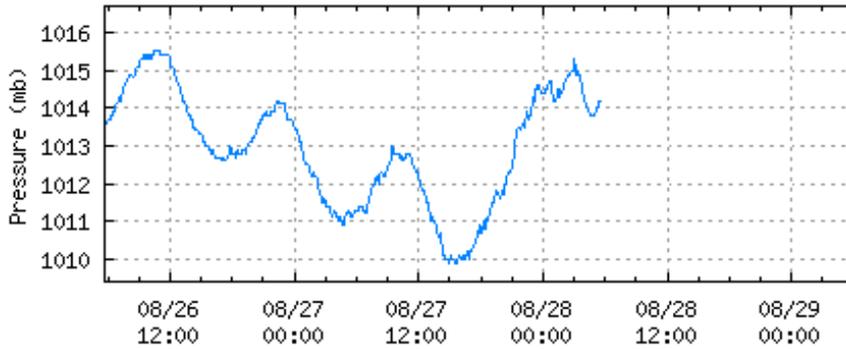
Last Observed Sample: 08/28/2015 05:30 (AST). Data relative to MHHW  
**Observed: 0.19 ft. Predicted: -0.25 ft. Residual: 0.44 ft.**  
 Historical Maximum Water Level: Sep 16 1995, 2.93 ft.  
 Next High Tide: 08/28/2015 05:43 (AST), -0.24 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI  
 Wind Speed / Gusts / Direction



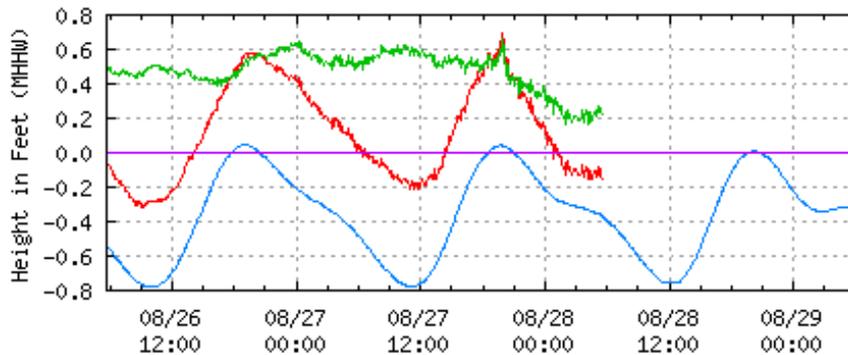
Last Observed Sample: 08/28/2015 05:30 (AST)  
**Wind Speed: 7 knots Gusts: 15 knots Direction: 86° T**

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 08/28/2015 05:30 (AST)  
Barometric Pressure: 1014.2 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/28/2015 05:30 (AST). Data relative to MHHW  
Observed: -0.15 ft. Predicted: -0.37 ft. Residual: 0.22 ft.  
Historical Maximum Water Level: Oct 16 2008, 1.17 ft.  
Next High Tide: 08/28/2015 20:12 (AST), 0.01 ft.

Tropical Storm ERIKA QuickLook, POSTED 06:00 AST 08/28/2015

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
9752619	Isabel Segunda, Vieques Island, PR	08/28/2015 05:36 (AST)	-0.13 ft	-0.49 ft	0.36 ft	0.77 ft
9752695	Esperanza, Vieques Island, PR	08/28/2015 05:36 (AST)	0.38 ft	-0.33 ft	0.71 ft	0.79 ft
9753216	Fajardo, PR	08/28/2015 05:36 (AST)	-0.12 ft	-0.30 ft	0.18 ft	0.81 ft
9754228	Yabucoa Harbor, PR	08/28/2015 05:36 (AST)	0.50 ft	-0.43 ft	0.93 ft	0.94 ft
9755371	San Juan, PR	08/28/2015 05:30 (AST)	-0.20 ft	-0.36 ft	0.16 ft	0.81 ft
9759110	Magueyes Island, PR	08/28/2015 05:30 (AST)	0.42 ft	-0.22 ft	0.64 ft	0.70 ft
9759938	Mona Island, PR	08/28/2015 05:36 (AST)	0.13 ft	-0.39 ft	0.52 ft	0.71 ft
9751639	Charlotte Amalie, VI	08/28/2015 05:30 (AST)	0.19 ft	-0.25 ft	0.44 ft	0.95 ft
9751364	Christiansted Harbor, St Croix, VI	08/28/2015 05:30 (AST)	-0.15 ft	-0.37 ft	0.22 ft	0.69 ft

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