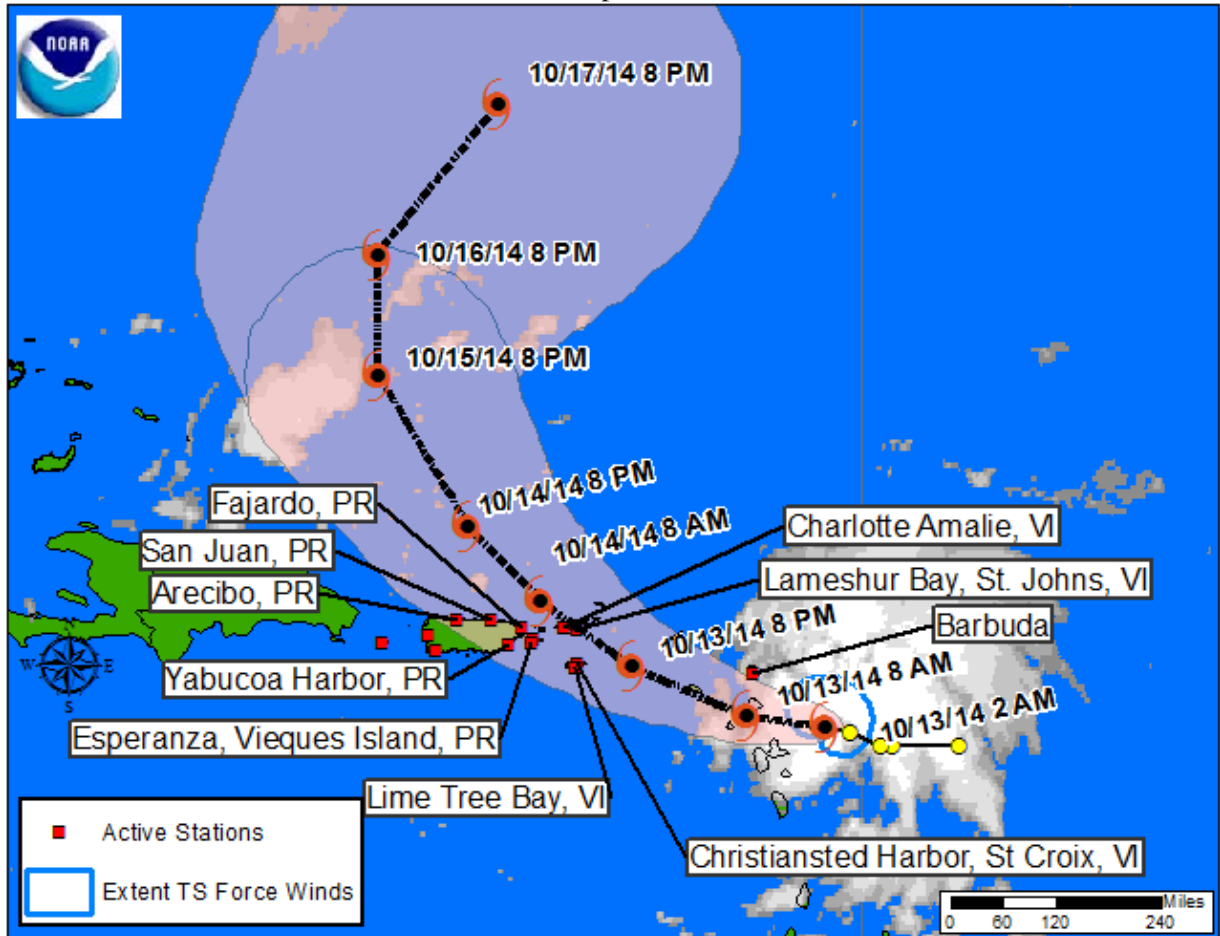




Tropical Storm GONZALO QuickLook
Posted: 06:00 AST 10/13/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/13/2014 06:00 AST, water levels across Barbuda, the U.S. Virgin Islands and Puerto Rico are slightly elevated by up to 0.6 feet above predicted tide levels. Winds have begun to increase, but remain below 20 knots across the region. Wind gusts over 25 knots have been observed on Barbuda over the past 12 hours. Barometric pressure remains steady 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 data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLookHomepage](#).

Analyst: KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM GONZALO ADVISORY NUMBER 4
500 AM AST MON OCT 13 2014

...GONZALO TO PASS THROUGH THE LEEWARD ISLANDS TODAY...
...RAIN BANDS ALREADY MOVING INTO GUADELOUPE...ANTIGUA...AND BARBUDA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WATCH IS IN EFFECT FOR...

- * PUERTO RICO
- * VIEQUES AND CULEBRA
- * U.S. VIRGIN ISLANDS
- * BRITISH VIRGIN ISLANDS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * GUADELOUPE...DESIRADE...LES SAINTES...AND MARIE GALANTE
- * ST. MARTIN
- * ST. BARTHELEMY
- * ST. MAARTIN
- * SABA AND ST. EUSTATIUS
- * BARBUDA
- * ANTIGUA
- * ANGUILLA
- * ST. KITTS AND NEVIS
- * MONTserrat
- * PUERTO RICO
- * VIEQUES AND CULEBRA
- * U.S. VIRGIN ISLANDS
- * BRITISH VIRGIN ISLANDS

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...IN THIS CASE IN THE NEXT 24 HOURS.

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

AT 500 AM AST...THE CENTER OF TROPICAL STORM GONZALO WAS LOCATED NEAR LATITUDE 16.8 NORTH...LONGITUDE 60.9 WEST. GONZALO IS MOVING TOWARD THE WEST NEAR 10 MPH. A TURN TOWARD THE WEST-NORTHWEST IS FORECAST TODAY...FOLLOWED BY A TURN TOWARD THE NORTHWEST BY TONIGHT. ON THE FORECAST TRACK...THE CENTER OF GONZALO WILL MOVE ACROSS THE LEEWARD ISLANDS TODAY...AND NEAR OR OVER THE VIRGIN ISLANDS TONIGHT.

MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 60 MPH... WITH HIGHER GUSTS. SOME ADDITIONAL STRENGTHENING IS EXPECTED DURING THE NEXT 48 HOURS...AND GONZALO IS FORECAST TO BECOME A HURRICANE TONIGHT OR TUESDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 60 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1000 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS WILL SPREAD OVER PORTIONS OF THE WARNING AREA IN THE LEEWARD ISLANDS TODAY. HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE HURRICANE WATCH AREA TONIGHT AND EARLY TUESDAY...WITH TROPICAL STORM CONDITIONS EXPECTED BY THIS EVENING.

RAINFALL...GONZALO IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 4 TO 8 INCHES ACROSS THE LEEWARD ISLANDS... BRITISH AND U.S. VIRGIN ISLANDS...AND EASTERN PUERTO RICO...WITH ISOLATED MAXIMUM TOTALS OF 12 INCHES POSSIBLE.

SURF...SWELLS GENERATED BY GONZALO WILL AFFECT THE LEEWARD ISLANDS FROM DOMINICA NORTHWARD TODAY. SWELLS WILL REACH THE U.S. AND BRITISH VIRGIN ISLANDS BY THIS AFTERNOON. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

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FORECASTER BROWN

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.

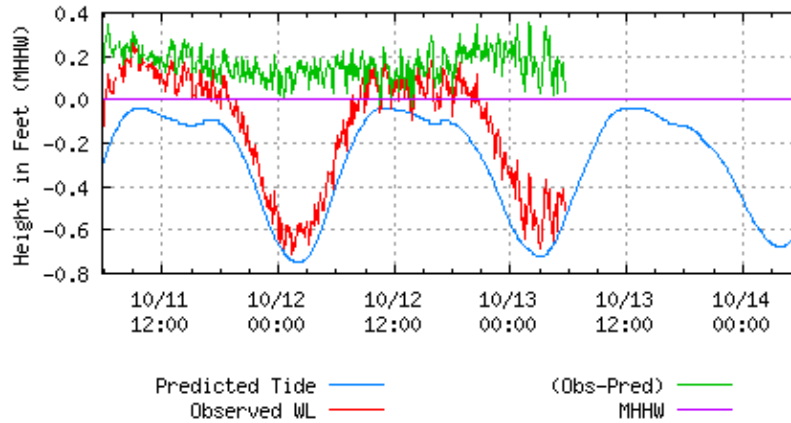
Jump to: [Barbuda - Water Level](#), [Barbuda - Winds](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Lameshur Bay, St John - Water Level](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [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](#), [San Juan - Barometric](#), [Arecibo -](#)

Tropical Storm GONZALO QuickLook, POSTED 06:00 AST 10/13/2014

Water Level

NOAA/NOS/CO-OPS 9761115 Barbuda

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



Last Observed Sample: 10/13/2014 05:42 (AST). Data relative to MHHW

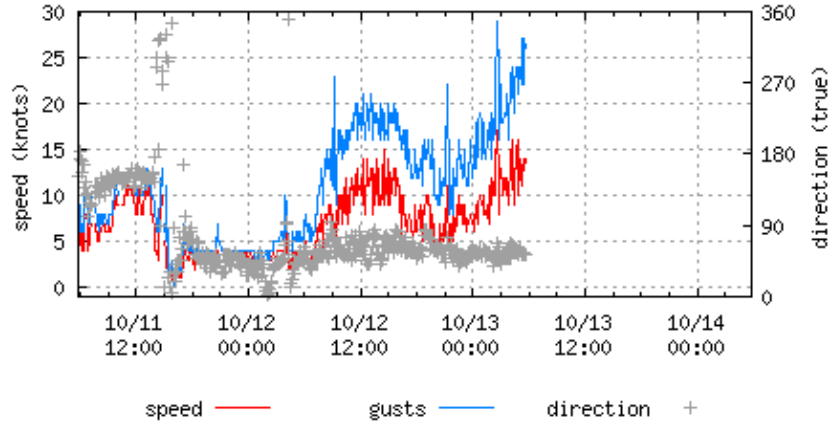
Observed: -0.31 ft. Predicted: -0.54 ft. Residual: 0.23 ft.

Historical Maximum Water Level: Aug 23 2012, 1.05 ft.

Next High Tide: 10/13/2014 12:51 (AST), -0.04 ft.

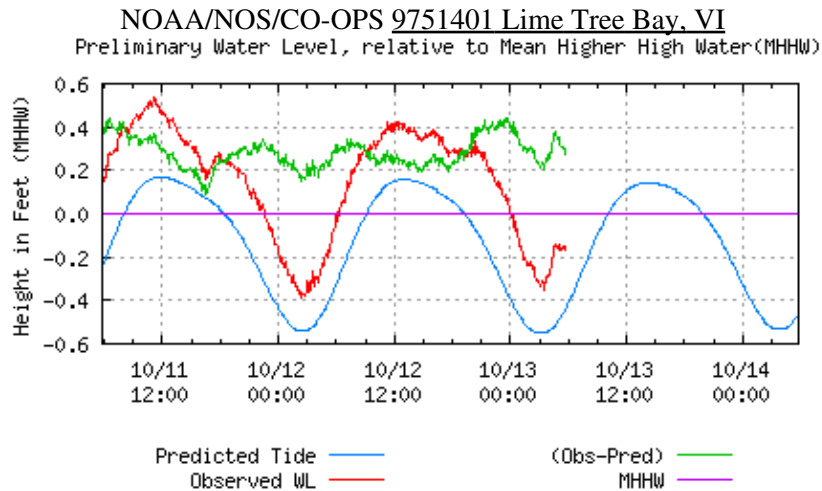
NOAA/NOS/CO-OPS 9761115 Barbuda

Wind Speed / Gusts / Direction

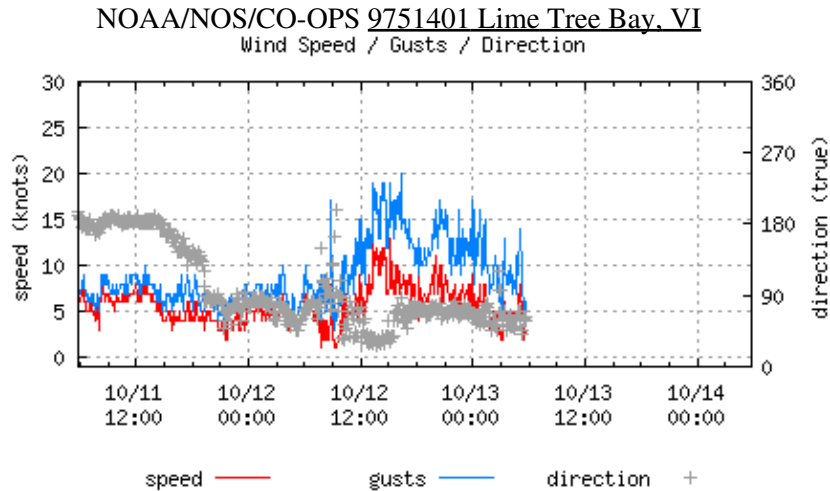


Last Observed Sample: 10/13/2014 05:42 (AST)

Wind Speed: 19 knots Gusts: 30 knots Direction: 54° T

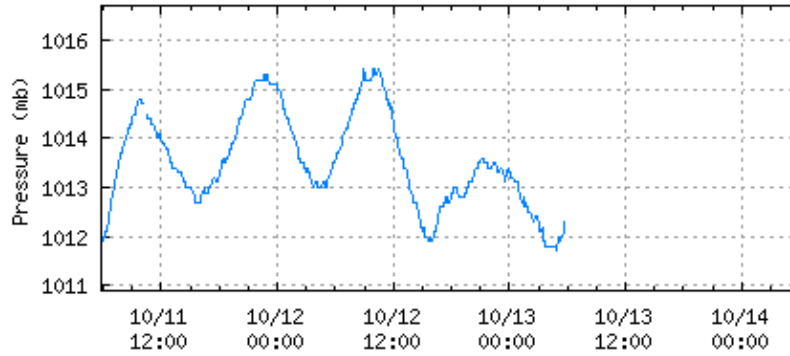


Last Observed Sample: 10/13/2014 05:42 (AST). Data relative to MHHW
Observed: -0.17 ft. Predicted: -0.44 ft. Residual: 0.27 ft.
Historical Maximum Water Level: Nov 17 1999, 1.88 ft.
Next High Tide: 10/13/2014 14:15 (AST), 0.14 ft.



Last Observed Sample: 10/13/2014 05:42 (AST)
Wind Speed: 3 knots Gusts: 6 knots Direction: 64° T

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
Barometric Pressure

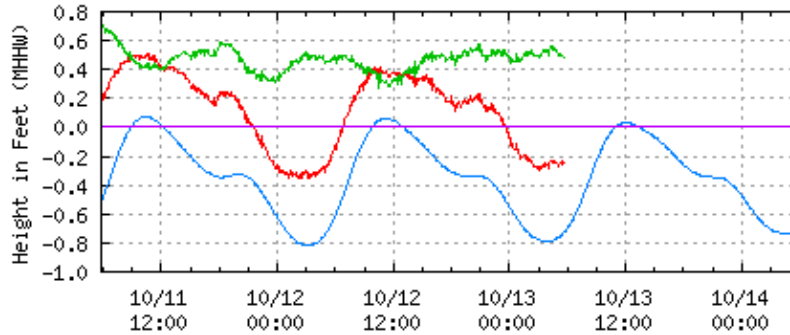


barometric pressure —

Last Observed Sample: 10/13/2014 05:42 (AST)

Barometric Pressure: 1012.3 mb

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



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

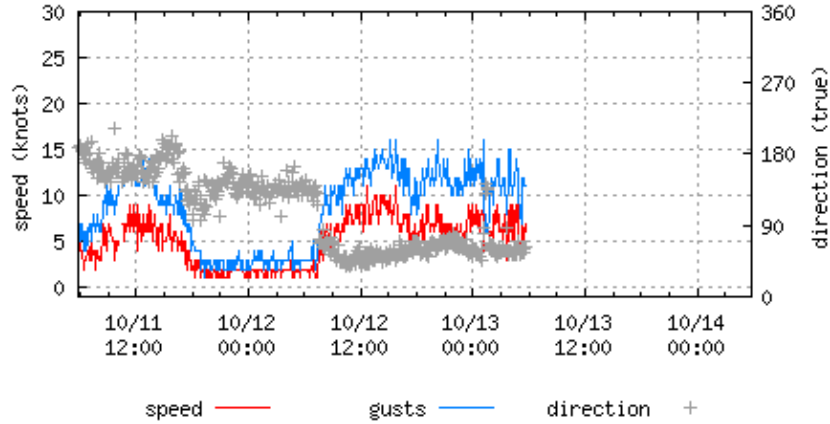
Last Observed Sample: 10/13/2014 05:42 (AST). Data relative to MHHW

Observed: -0.23 ft. Predicted: -0.73 ft. Residual: 0.50 ft.

Historical Maximum Water Level: Oct 16 2008, 1.17 ft.

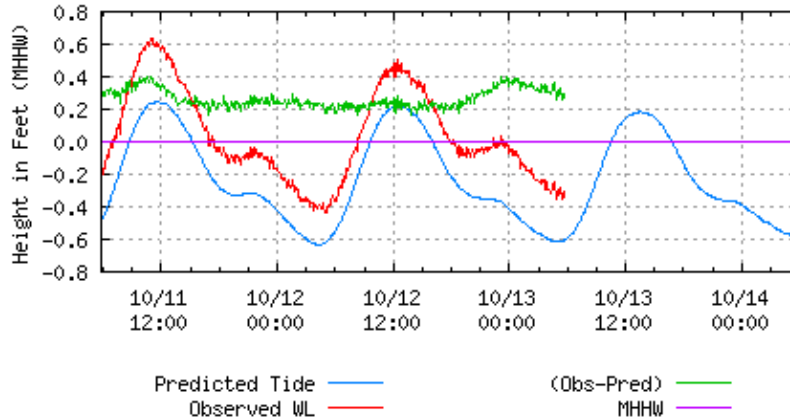
Next High Tide: 10/13/2014 12:03 (AST), 0.03 ft.

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Wind Speed / Gusts / Direction



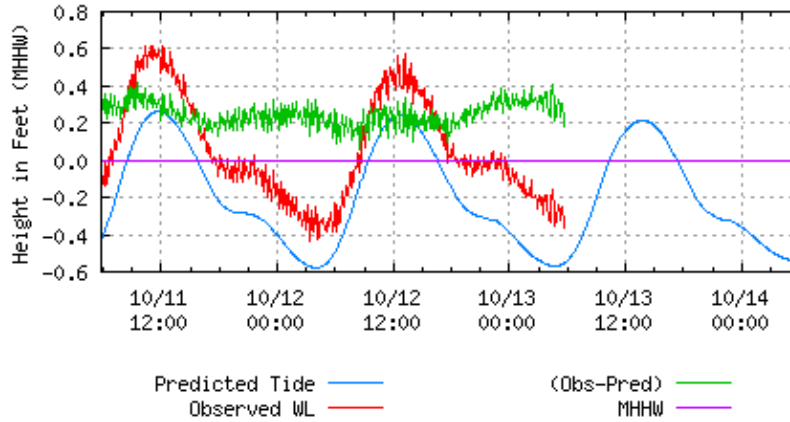
Last Observed Sample: 10/13/2014 05:42 (AST)
Wind Speed: 5 knots Gusts: 12 knots Direction: 82° T

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 10/13/2014 05:48 (AST). Data relative to MHHW
Observed: -0.33 ft. Predicted: -0.60 ft. Residual: 0.27 ft.
Historical Maximum Water Level: Aug 30 2010, 0.89 ft.
Next High Tide: 10/13/2014 13:30 (AST), 0.18 ft.

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



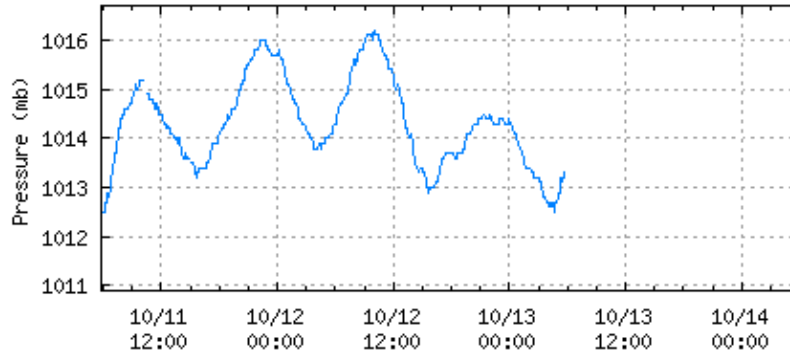
Last Observed Sample: 10/13/2014 05:42 (AST). Data relative to MHHW
Observed: -0.37 ft. Predicted: -0.55 ft. Residual: 0.18 ft.
Historical Maximum Water Level: Sep 16 1995, 2.93 ft.
Next High Tide: 10/13/2014 13:44 (AST), 0.21 ft.

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

This data type is not currently available from this station.

Last Observed Sample: 10/13/2014 05:42 (AST)
Wind Speed: 3 knots Gusts: 6 knots Direction: 81° T

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

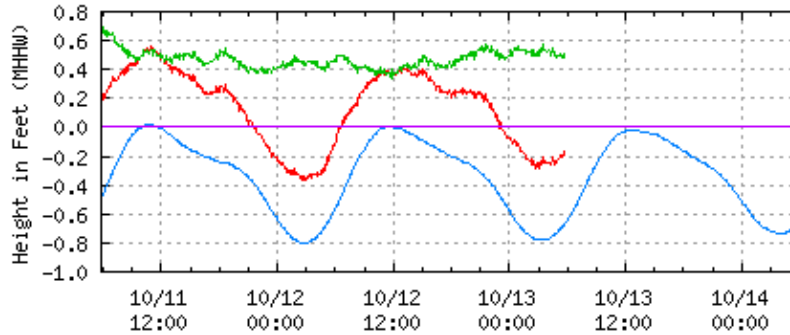


barometric pressure —

Last Observed Sample: 10/13/2014 05:42 (AST)

Barometric Pressure: 1013.3 mb

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



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

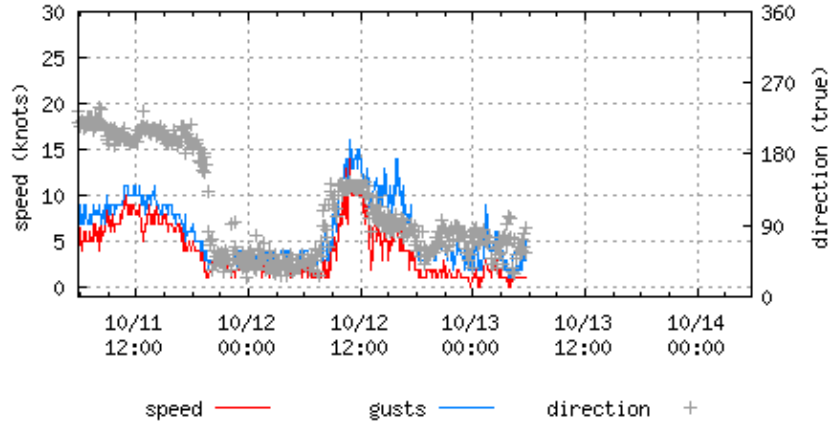
Last Observed Sample: 10/13/2014 05:48 (AST). Data relative to MHHW

Observed: -0.14 ft. Predicted: -0.66 ft. Residual: 0.52 ft.

Historical Maximum Water Level: Aug 22 2011, 0.99 ft.

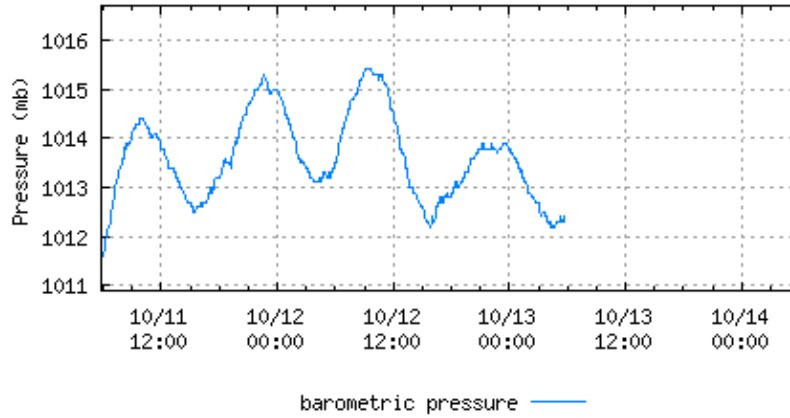
Next High Tide: 10/13/2014 12:32 (AST), -0.02 ft.

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

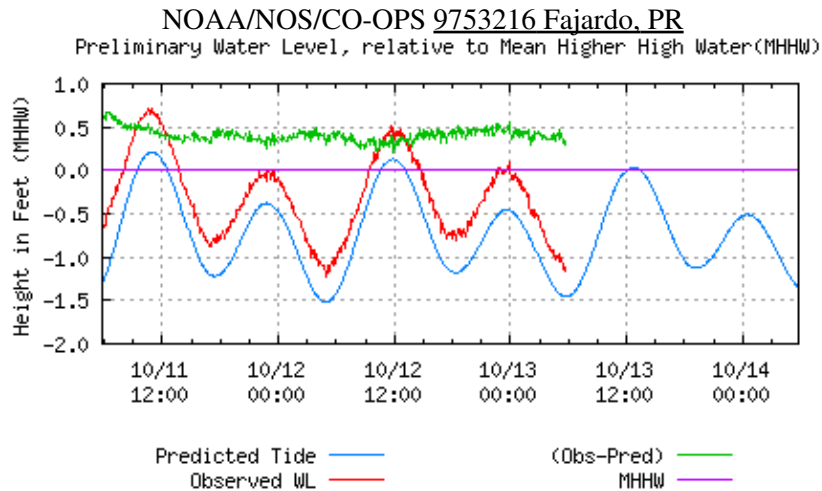


Last Observed Sample: 10/13/2014 05:48 (AST)
Wind Speed: 1 knots Gusts: 2 knots Direction: 53° T

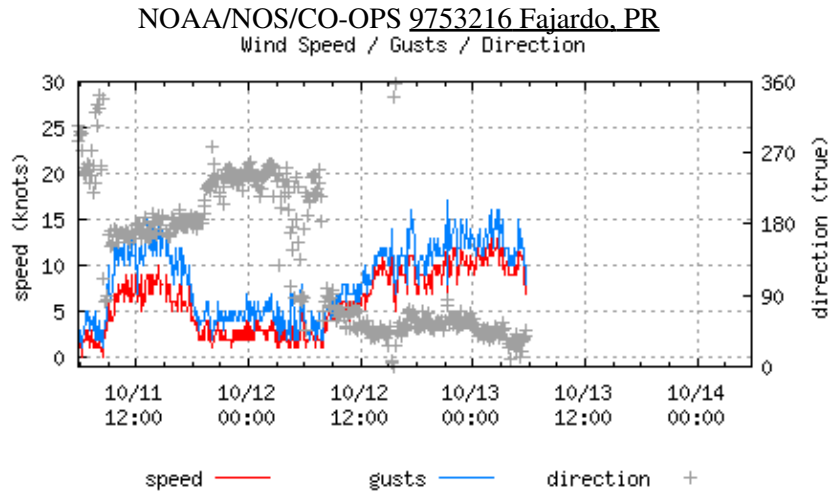
NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Barometric Pressure



Last Observed Sample: 10/13/2014 05:48 (AST)
Barometric Pressure: 1012.5 mb

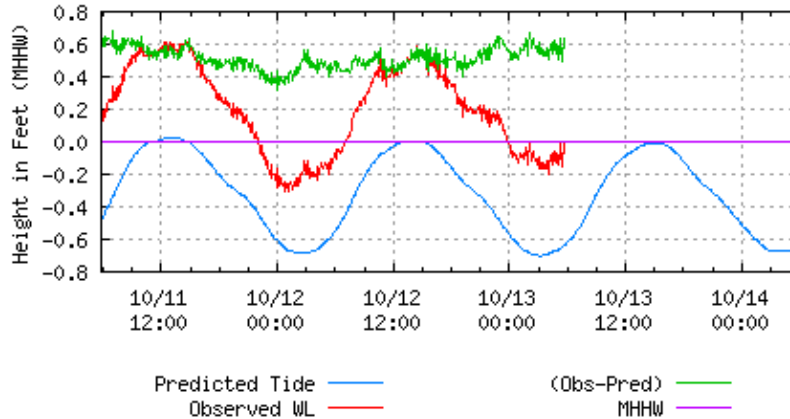


Last Observed Sample: 10/13/2014 05:48 (AST). Data relative to MHHW
Observed: -1.17 ft. Predicted: -1.46 ft. Residual: 0.29 ft.
 Historical Maximum Water Level: Aug 30 2010, 0.84 ft.
 Next High Tide: 10/13/2014 12:43 (AST), 0.04 ft.



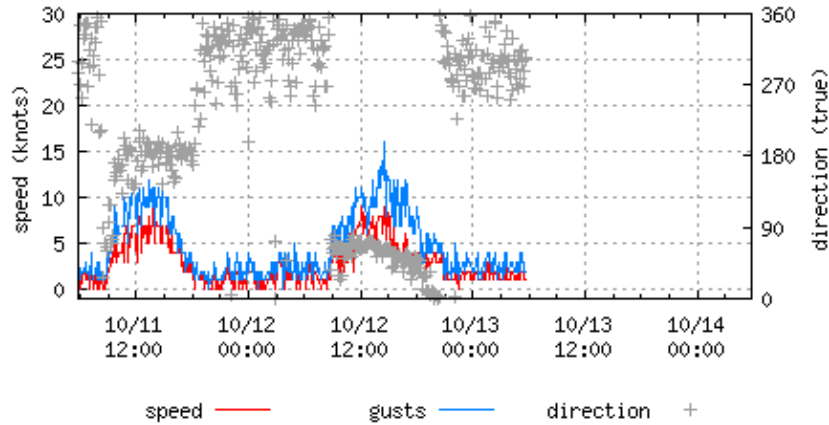
Last Observed Sample: 10/13/2014 05:48 (AST)
Wind Speed: 6 knots Gusts: 9 knots Direction: 35° T

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

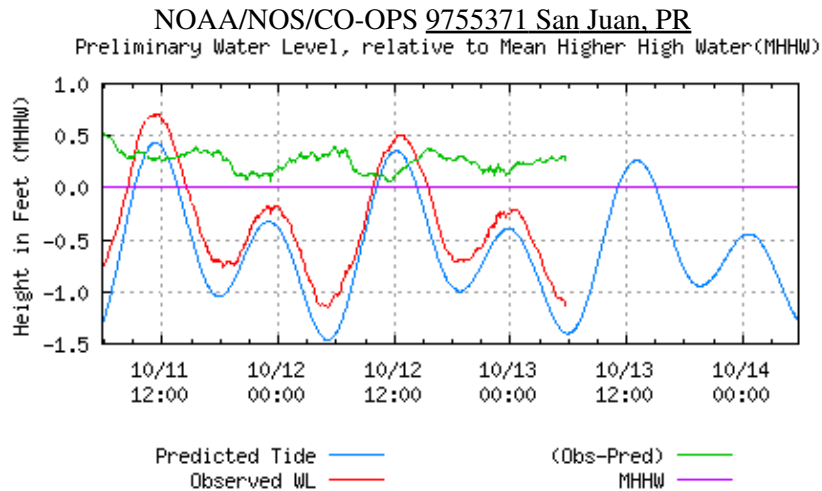


Last Observed Sample: 10/13/2014 05:48 (AST). Data relative to MHHW
Observed: -0.18 ft. Predicted: -0.64 ft. Residual: 0.46 ft.
 Historical Maximum Water Level: n/a
 Next High Tide: 10/13/2014 15:07 (AST), -0.01 ft.

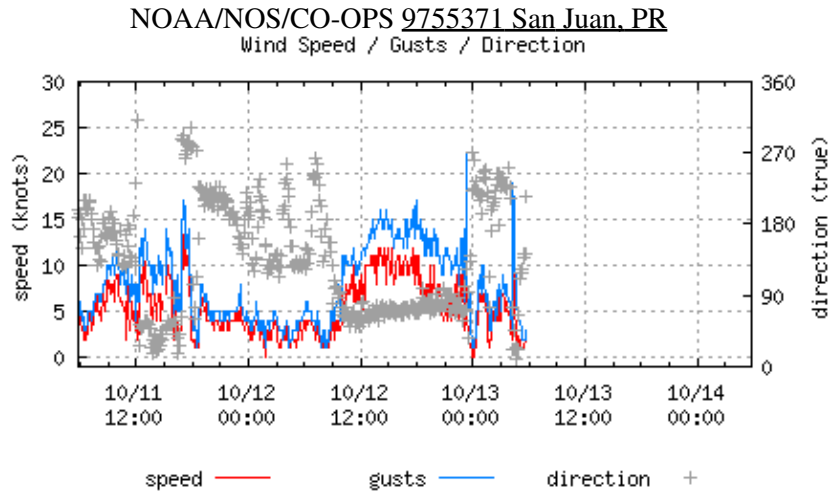
NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR
 Wind Speed / Gusts / Direction



Last Observed Sample: 10/13/2014 05:48 (AST)
Wind Speed: 2 knots Gusts: 3 knots Direction: 303° T

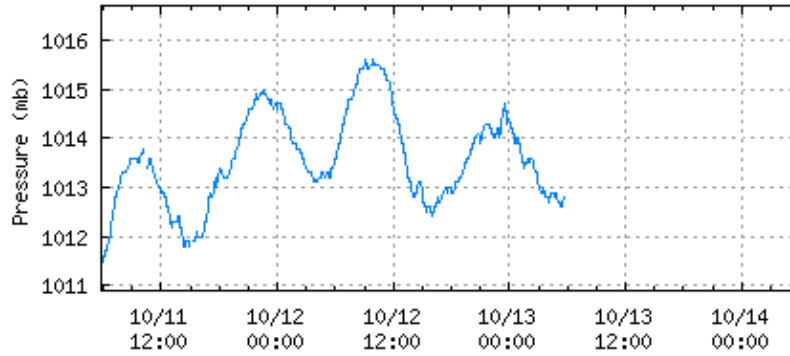


Last Observed Sample: 10/13/2014 05:48 (AST). Data relative to MHHW
Observed: -1.10 ft. Predicted: -1.40 ft. Residual: 0.30 ft.
 Historical Maximum Water Level: Sep 18 1989, 2.77 ft.
 Next High Tide: 10/13/2014 13:03 (AST), 0.27 ft.



Last Observed Sample: 10/13/2014 05:48 (AST)
Wind Speed: 2 knots Gusts: 3 knots Direction: 190° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR
Barometric Pressure

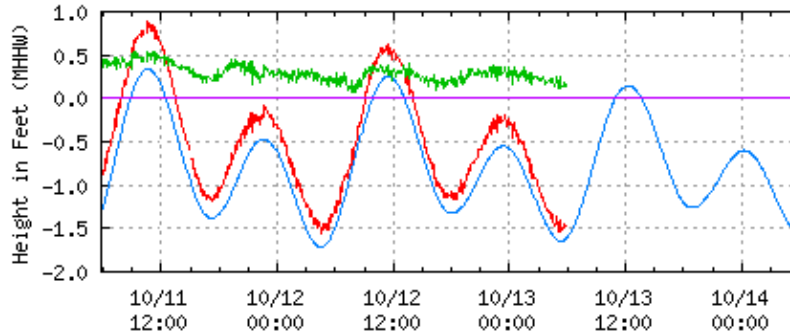


barometric pressure —

Last Observed Sample: 10/13/2014 05:48 (AST)

Barometric Pressure: 1012.8 mb

NOAA/NOS/CO-OPS 9757809 Arecibo, PR
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

Last Observed Sample: 10/13/2014 05:48 (AST). Data relative to MHHW

Observed: -1.47 ft. Predicted: -1.62 ft. Residual: 0.15 ft.

Historical Maximum Water Level: Oct 8 2010, 0.90 ft.

Next High Tide: 10/13/2014 12:19 (AST), 0.14 ft.

Tropical Storm GONZALO QuickLook, POSTED 06:00 AST 10/13/2014

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
9761115	Barbuda	10/13/2014 05:42 (AST)	-0.31 ft	-0.54 ft	0.23 ft	0.20 ft
9751401	Lime Tree Bay, VI	10/13/2014 05:42 (AST)	-0.17 ft	-0.44 ft	0.27 ft	0.42 ft
9751364	Christiansted Harbor, St Croix, VI	10/13/2014 05:42 (AST)	-0.23 ft	-0.73 ft	0.50 ft	0.42 ft
9751381	Lameshur Bay, St John, VI	10/13/2014 05:48 (AST)	-0.33 ft	-0.60 ft	0.27 ft	0.50 ft
9751639	Charlotte Amalie, VI	10/13/2014 05:42 (AST)	-0.37 ft	-0.55 ft	0.18 ft	0.57 ft
9752695	Esperanza, Vieques Island, PR	10/13/2014 05:48 (AST)	-0.14 ft	-0.66 ft	0.52 ft	0.41 ft
9753216	Fajardo, PR	10/13/2014 05:48 (AST)	-1.17 ft	-1.46 ft	0.29 ft	0.52 ft
9754228	Yabucoa Harbor, PR	10/13/2014 05:48 (AST)	-0.18 ft	-0.64 ft	0.46 ft	0.59 ft
9755371	San Juan, PR	10/13/2014 05:48 (AST)	-1.10 ft	-1.40 ft	0.30 ft	0.51 ft
9757809	Arecibo, PR	10/13/2014 05:48 (AST)	-1.47 ft	-1.62 ft	0.15 ft	0.63 ft

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