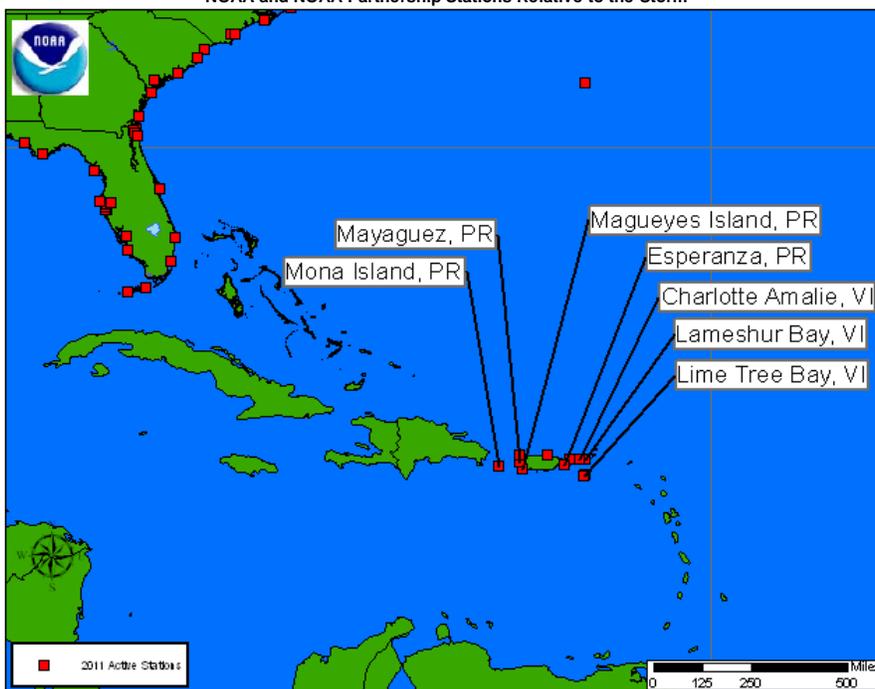




Hurricane IRENE QuickLook

Posted: 18:00 AST 08/22/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

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

As of 08/22/2011 18:00 AST, water levels in Puerto Rico and the US Virgin Islands are beginning to return to normal levels, however they remain elevated by 0.1 to 0.5 feet. Barometric pressure is rising and winds are falling across the region.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website.

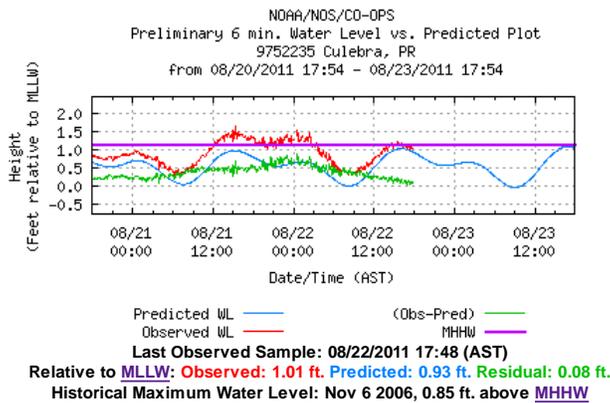
For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see Tidal Datums.

For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

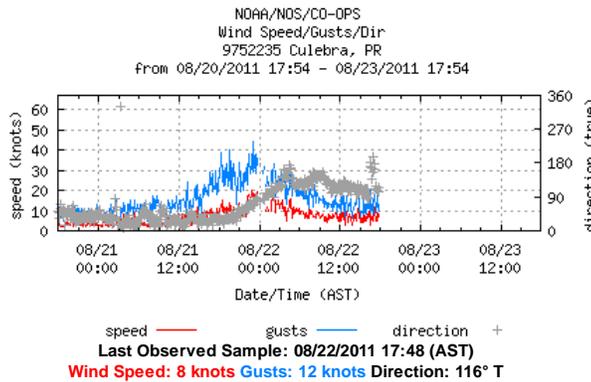
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Culebra - Water Level](#), [Culebra - Winds](#), [Culebra - Barometric](#),
[Culebra - Air/Water Temp](#), [Esperanza, Vieques Island - Water Level](#),
[Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#),
[Esperanza, Vieques Island - Air/Water Temp](#), [San Juan - Water Level](#),
[San Juan - Winds](#), [San Juan - Barometric](#), [Magueyes Island - Water Level](#),
[Magueyes Island - Winds](#), [Mayaguez - Water Level](#), [Mayaguez - Winds](#),
[Mona Island - Water Level](#), [Charlotte Amalie - Water Level](#),
[Lameshur Bay, St. John - Water Level](#), [Lime Tree Bay - Water Level](#),
[Lime Tree Bay - Winds](#),

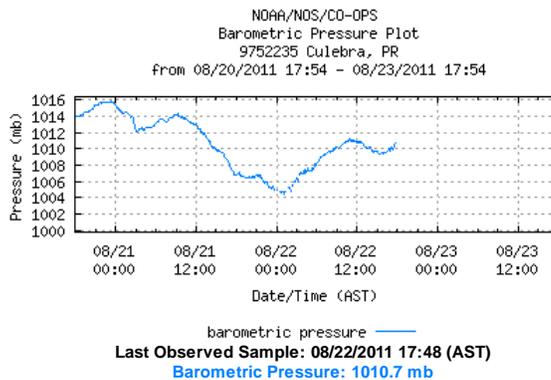
[Culebra, PR](#) - [Return to List](#)



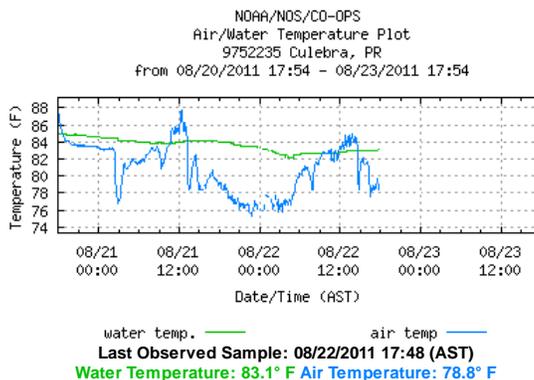
[Culebra, PR - Return to List](#)



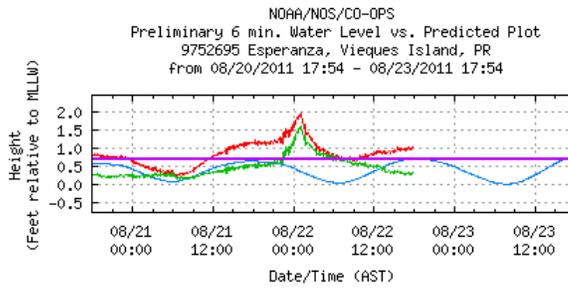
[Culebra, PR - Return to List](#)



[Culebra, PR - Return to List](#)

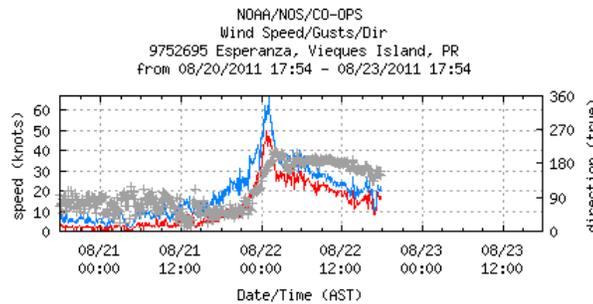


[Esperanza, Vieques Island, PR - Return to List](#)



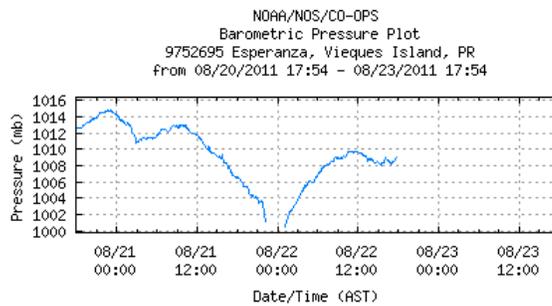
Last Observed Sample: 08/22/2011 17:48 (AST)
 Relative to MLLW: Observed: 0.99 ft. Predicted: 0.70 ft. Residual: 0.29 ft.
 Historical Maximum Water Level: Aug 30 2010, 0.84 ft. above MHW

[Esperanza, Vieques Island, PR - Return to List](#)



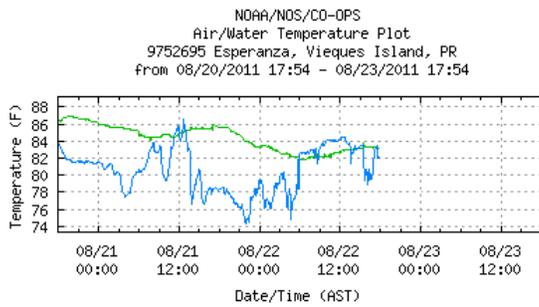
Last Observed Sample: 08/22/2011 17:48 (AST)
 Wind Speed: 16 knots Gusts: 20 knots Direction: 158° T

[Esperanza, Vieques Island, PR - Return to List](#)



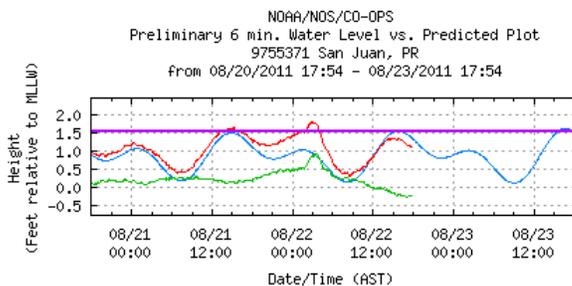
Last Observed Sample: 08/22/2011 17:48 (AST)
 Barometric Pressure: 1009.1 mb

[Esperanza, Vieques Island, PR - Return to List](#)



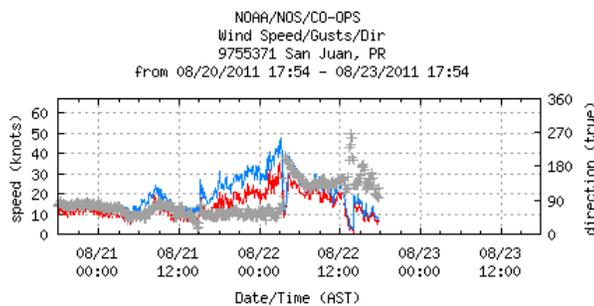
water temp. — air temp —
Last Observed Sample: 08/22/2011 17:48 (AST)
Water Temperature: 83.1° F Air Temperature: 82.2° F

[San Juan, PR - Return to List](#)



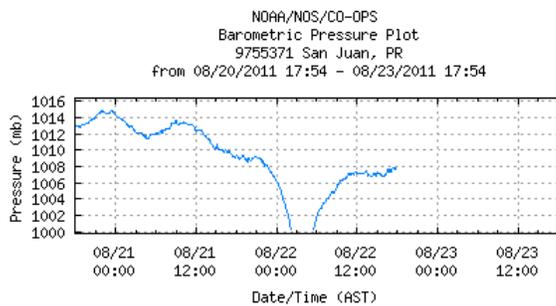
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —
Last Observed Sample: 08/22/2011 17:48 (AST)
Relative to MLLW: Observed: 1.10 ft. Predicted: 1.35 ft. Residual: -0.25 ft.
Historical Maximum Water Level: Sep 21 1998, 1.21 ft. above MHHW

[San Juan, PR - Return to List](#)



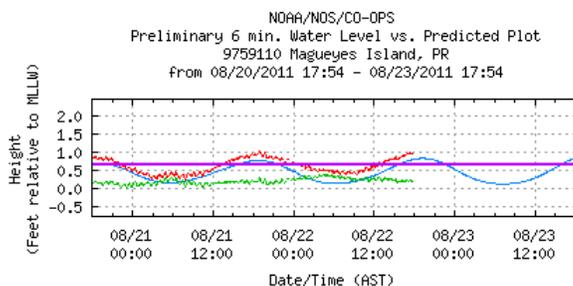
speed — gusts — direction +
Last Observed Sample: 08/22/2011 17:48 (AST)
Wind Speed: 7 knots Gusts: 8 knots Direction: 123° T

[San Juan, PR - Return to List](#)



barometric pressure —
Last Observed Sample: 08/22/2011 17:48 (AST)
Barometric Pressure: 1007.8 mb

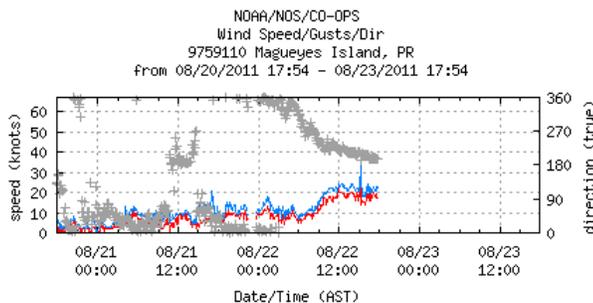
[Maqueyes Island, PR - Return to List](#)



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

Last Observed Sample: 08/22/2011 17:42 (AST)
Relative to MLLW: Observed: 0.97 ft. Predicted: 0.78 ft. Residual: 0.19 ft.
Historical Maximum Water Level: Sep 22 1998, 1.6 ft. above MHHW

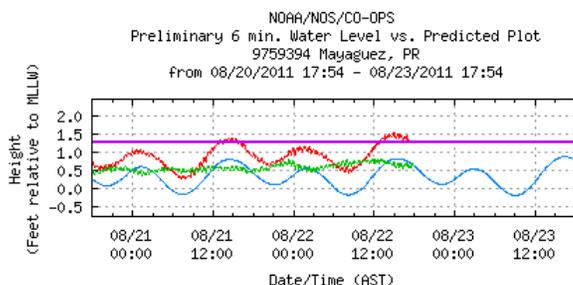
[Maqueyes Island, PR - Return to List](#)



speed — gusts — direction +

Last Observed Sample: 08/22/2011 17:42 (AST)
Wind Speed: 17 knots Gusts: 23 knots Direction: 196° T

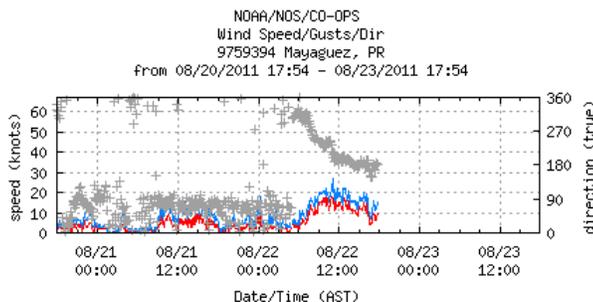
[Mayaguez, PR - Return to List](#)



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

Last Observed Sample: 08/22/2011 17:48 (AST)
Relative to MLLW: Observed: 1.30 ft. Predicted: 0.63 ft. Residual: 0.67 ft.
Historical Maximum Water Level: , 0 ft. above MHHW

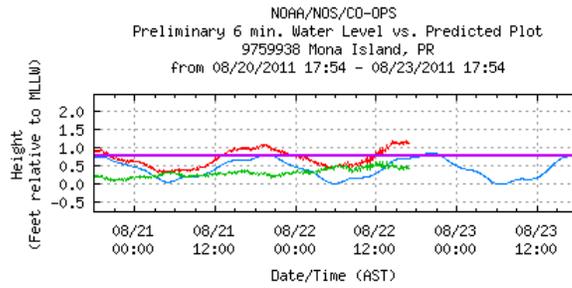
[Mayaguez, PR - Return to List](#)



speed — gusts — direction +

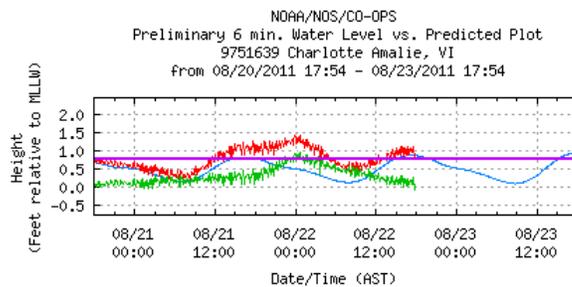
Last Observed Sample: 08/22/2011 17:48 (AST)

Wind Speed: 10 knots Gusts: 15 knots Direction: 183° T

[Mona Island, PR - Return to List](#)

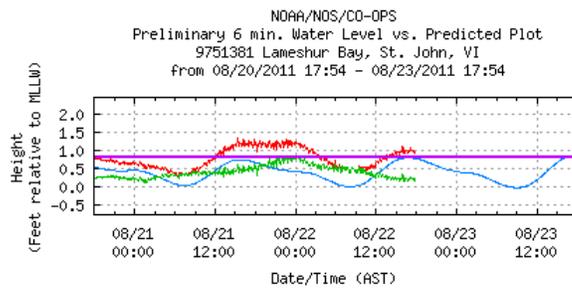
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/22/2011 16:54 (AST)
Relative to MLLW: Observed: 1.11 ft. Predicted: 0.69 ft. Residual: 0.42 ft.
Historical Maximum Water Level: Dec 23 2010, 1.26 ft. above MHHW

[Charlotte Amalie, VI - Return to List](#)

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

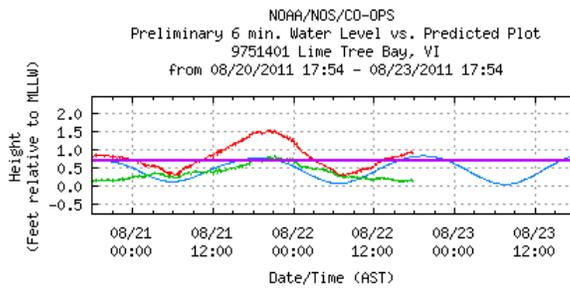
Last Observed Sample: 08/22/2011 17:48 (AST)
Relative to MLLW: Observed: 0.92 ft. Predicted: 0.86 ft. Residual: 0.06 ft.
Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above MHHW

[Lameshur Bay, St. John, VI - Return to List](#)

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

Last Observed Sample: 08/22/2011 17:48 (AST)
Relative to MLLW: Observed: 0.97 ft. Predicted: 0.77 ft. Residual: 0.20 ft.
Historical Maximum Water Level: Aug 30 2010, 0.9 ft. above MHHW

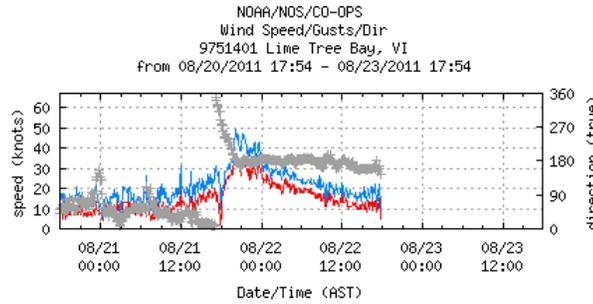
[Lime Tree Bay, VI - Return to List](#)



Predicted WL — (Obs-Pred) —
 Observed WL — MHW —

Last Observed Sample: 08/22/2011 17:42 (AST)
Relative to MLLW: Observed: 0.88 ft. Predicted: 0.79 ft. Residual: 0.09 ft.
Historical Maximum Water Level: Nov 17 1999, 1.88 ft. above MHW

[Lime Tree Bay, VI - Return to List](#)



speed — gusts — direction +

Last Observed Sample: 08/22/2011 17:42 (AST)
Wind Speed: 5 knots Gusts: 10 knots Direction: 146° T