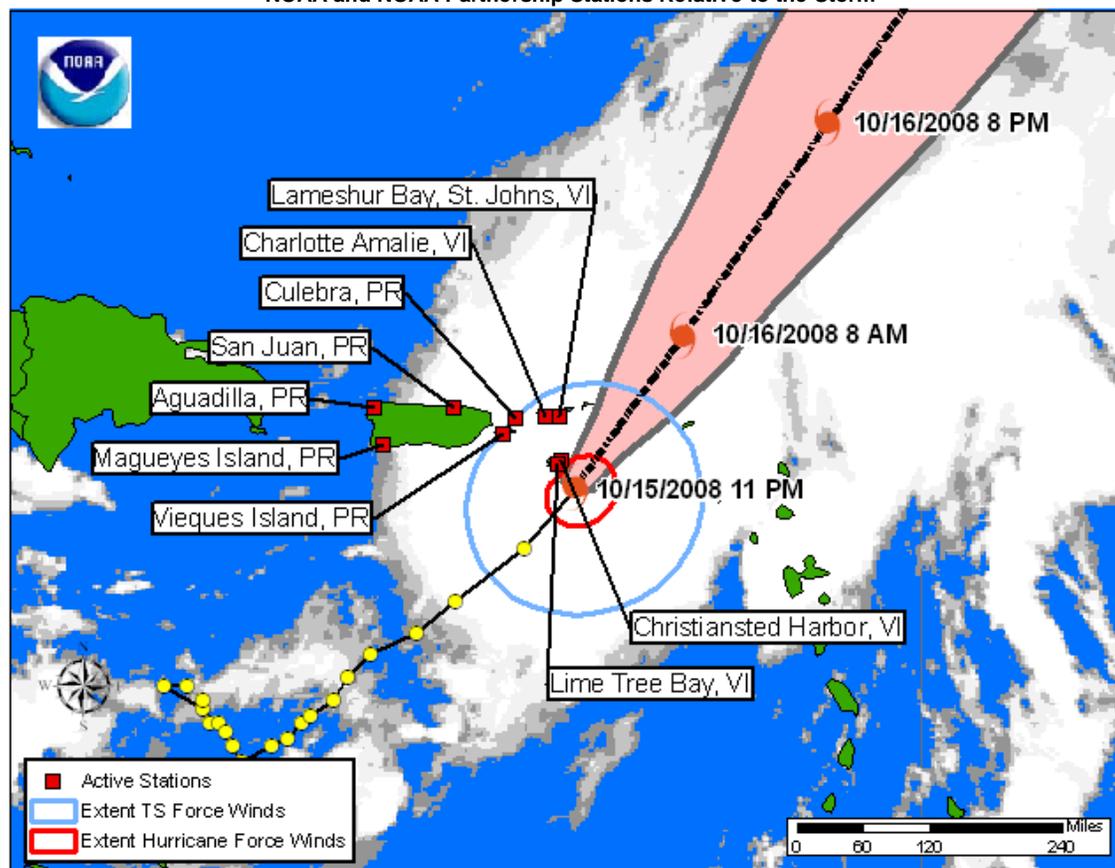




Hurricane OMAR QuickLook  
Posted: 00:00 AST 10/16/2008

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 10/16/2008 00:00 AST, water levels in Puerto Rico and the U.S. Virgin Islands are rising and range 0.3-0.7 ft above predicted. Wind speeds are currently below 11 knots and gusts are 19 knots. Christiansted Harbor wind speeds are currently up to 45 knots and gusts up to 63 knots. Barometric pressure are falling.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to [Mean Lower Low Water](#) are:

Lime Tree Bay, VI: Next predicted high tide is 1.0 ft (0.3 m) at 10/16/2008 11:18 AST.

Christiansted Harbor, St. Croix, VI: Next predicted high tide is 1.1 ft (0.3 m) at 10/16/2008 08:35 AST.

Lameshur Bay, St. Johns, VI: Next predicted high tide is 1.02 ft (0.31 m) at 10/16/2008 10:30 AST.

Charlotte Amalie, VI: Next predicted high tide is 1.2 ft (0.4m) at 10/16/2008 10:32 AST.

Culebra, PR: Next predicted high tide is 1.32 ft (0.40 m) at 10/16/2008 09:48 AST.

Vieques Island, PR: Next predicted high tide is 0.8 ft (0.2 m) at 10/16/2008 09:54 AST.

Magueyes Island, PR: Next predicted high tide is 0.1 ft (0.3 m) at 10/16/2008 11:27 AST.

Aguadilla, PR: Next predicted high tide is 1.67 ft (0.51 m) at 10/16/2008 09:12 AST.

San Juan, PR: Next predicted high tide is 1.02 ft (0.31 m) at 10/16/2008 10:30 AST.

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: TB

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SELECT **NATIONAL HURRICANE CENTER** ADVISORY INFORMATION:

HURRICANE OMAR ADVISORY NUMBER 11

1100 PM AST WED OCT 15 2008

OMAR BECOMES A MAJOR HURRICANE AS IT APPROACHES THE VIRGIN AND NORTHERN LEEWARD ISLANDS.

A HURRICANE WARNING IS IN EFFECT FOR THE U.S. VIRGIN ISLANDS AND THE ISLANDS OF VIEQUES AND CULEBRA. A HURRICANE WARNING IS ALSO IN EFFECT FOR ST. MARTIN/MAARTEN SABA ST. EUSTATIUS ST. BARTHELEMY THE BRITISH VIRGIN ISLANDS AND ANGUILLA. A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH AND A TROPICAL STORM WARNING REMAIN IN EFFECT FOR PUERTO RICO AND ALSO FOR THE ISLANDS OF ST. KITTS AND NEVIS.

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

A TROPICAL STORM WARNING IS IN EFFECT FOR ANTIGUA BARBUDA AND MONTserrat.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WATCH IS IN EFFECT FOR GUADELOUPE.

AT 1100 PM AST THE CENTER OF HURRICANE OMAR WAS LOCATED NEAR OR ABOUT 30 MILES SOUTHEAST OF ST. CROIX AND ABOUT 105 MILES WEST-SOUTHWEST OF ST. MARTIN.

OMAR IS MOVING TOWARD THE NORTHEAST NEAR 20 MPH...32 KM/HR...AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK...THE CENTER OF OMAR WILL PASS JUST EAST OF THE VIRGIN ISLANDS IN THE NEXT FEW HOURS...AND NEAR THE NORTHERN LEEWARD ISLANDS EARLY THURSDAY MORNING.

REPORTS FROM AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 115 MPH...185 KM/HR...WITH HIGHER GUSTS. OMAR IS NOW A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME ADDITIONAL STRENGTHENING IS POSSIBLE TONIGHT AS OMAR MOVES THROUGH THE NORTHERN LEEWARD ISLANDS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 35 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 115 MILES ST. CROIX RECENTLY REPORTED SUSTAINED WINDS OF 39 MPH WITH A WIND GUST OF 59 MPH

THE MINIMUM CENTRAL PRESSURE JUST REPORTED BY THE HURRICANE HUNTER IS 967 MB 28.56 INCHES.

OMAR IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 5 TO 10 INCHES...WITH MAXIMUM AMOUNTS UP TO 20 INCHES WILL BE POSSIBLE ACROSS THE NORTHERN LEEWARD ISLANDS THE VIRGIN ISLANDS VIEQUES AND CULEBRA. ADDITIONAL RAINFALL AMOUNTS OF 2 TO 4 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF UP TO 8 INCHES ARE POSSIBLE FOR PUERTO RICO. THESE RAINS COULD PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

COASTAL STORM SURGE FLOODING OF 4 TO 6 FEET ABOVE NORMAL TIDE

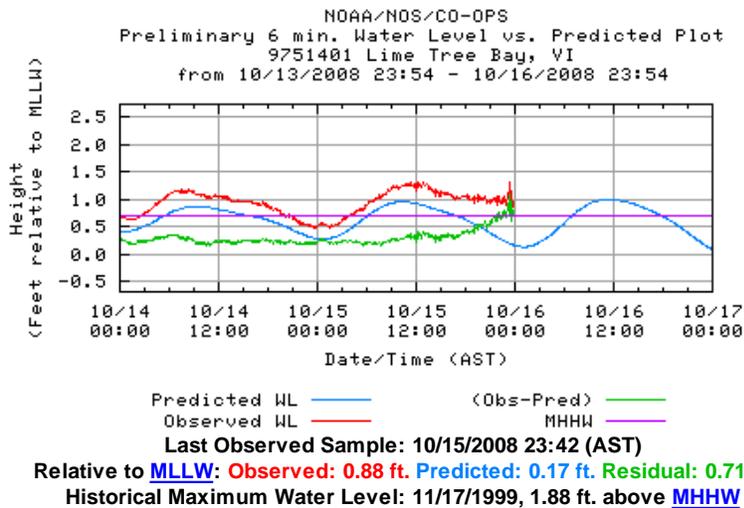
LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES CAN BE EXPECTED NEAR AND TO THE RIGHT OF THE PATH OF OMAR. COASTAL STORM SURGE FLOODING OF 2 TO 4 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES CAN BE EXPECTED ALONG THE COASTS OF THE VIRGIN ISLANDS AND PUERTO RICO. IN ADDITION OMAR IS EXPECTED TO PRODUCE LARGE SWELLS THAT WILL AFFECT THE WEST- AND SOUTH-FACING COASTS OF PUERTO RICO AND THE ISLANDS OF THE LESSER ANTILLES. THESE SWELLS COULD CAUSE BEACH EROSION AND DAMAGE TO COASTAL STRUCTURES.

FORECASTER BEVEN

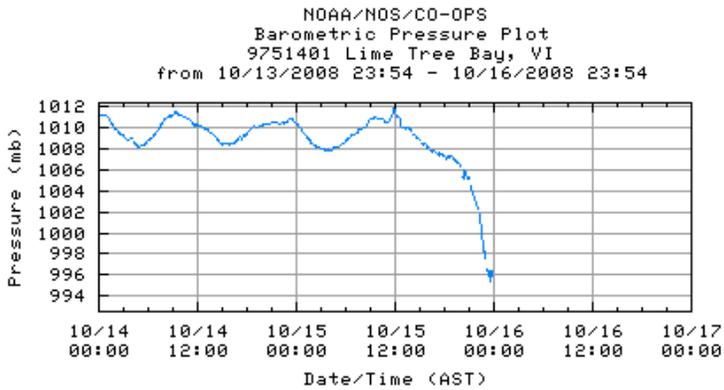
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Lameshur Bay, St. John - Water Level](#), [Lameshur Bay, St. John - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Culebra - Water Level](#), [Esperanza, Vieques Island - Water Level](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Magueyes Island - Barometric](#), [Aguadilla - Water Level](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#),

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

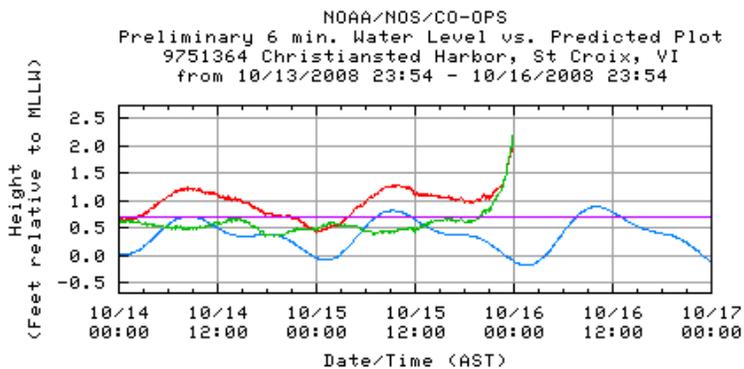


#### [Lime Tree Bay, VI - Station Map](#) [Return to List](#)



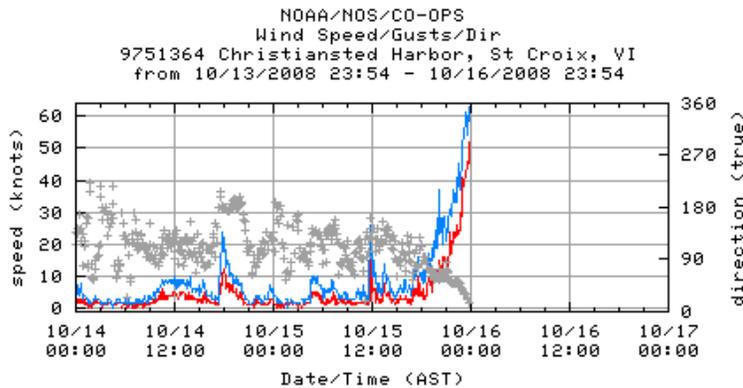
barometric pressure —  
**Last Observed Sample: 10/15/2008 23:42 (AST)**  
**Barometric Pressure: 996.3 mb**

[Christiansted Harbor, St Croix, VI - Station Map](#) [Return to List](#)



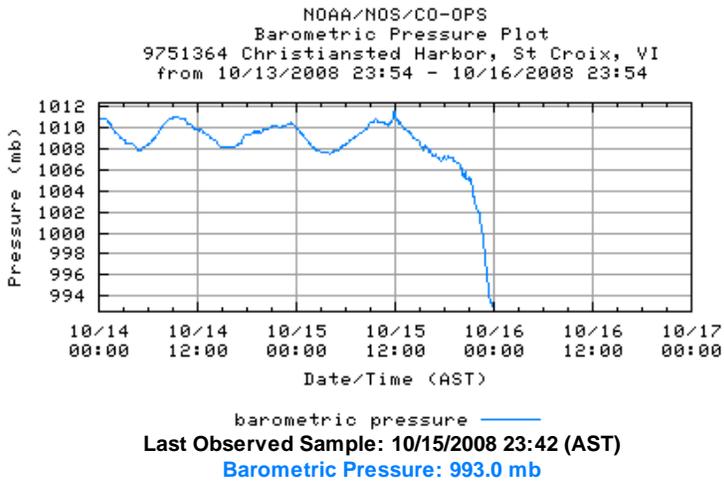
Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —  
**Last Observed Sample: 10/15/2008 23:42 (AST)**  
**Relative to MLLW: Observed: 2.10 ft. Predicted: -0.08 ft. Residual: 2.18 ft.**  
**Historical Maximum Water Level: 10/13/2006, 0.73 ft. above MHHW**

[Christiansted Harbor, St Croix, VI - Station Map](#) [Return to List](#)

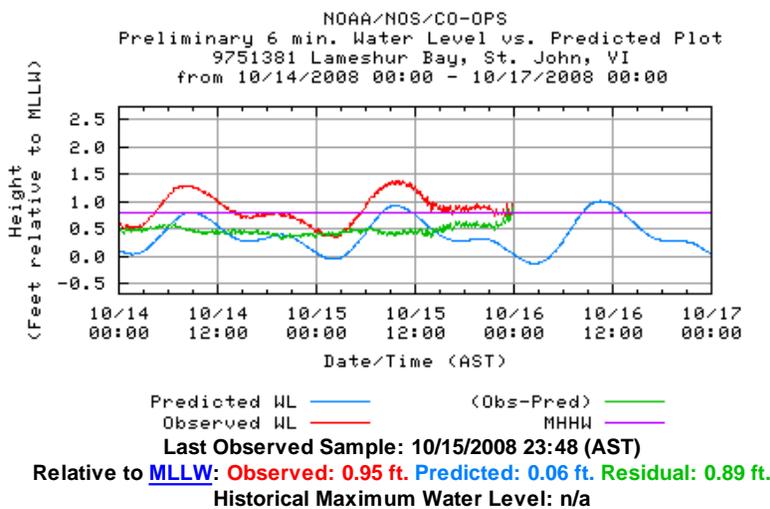


speed — gusts — direction +  
**Last Observed Sample: 10/15/2008 23:42 (AST)**  
**Wind Speed: 52 knots Gusts: 62 knots Direction: 015° T**

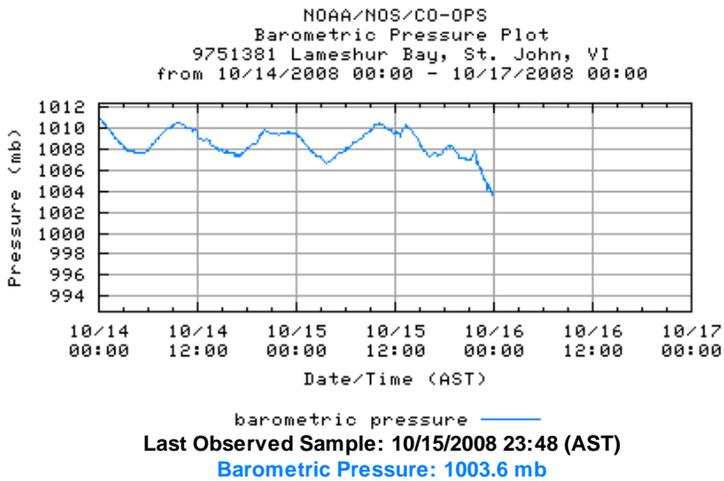
[Christiansted Harbor, St Croix, VI - Station Map](#) [Return to List](#)



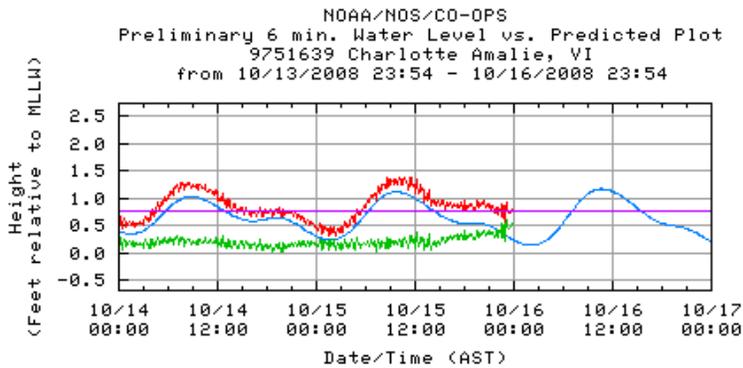
[Lameshur Bay, St. John, VI - Station Map](#) [Return to List](#)



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



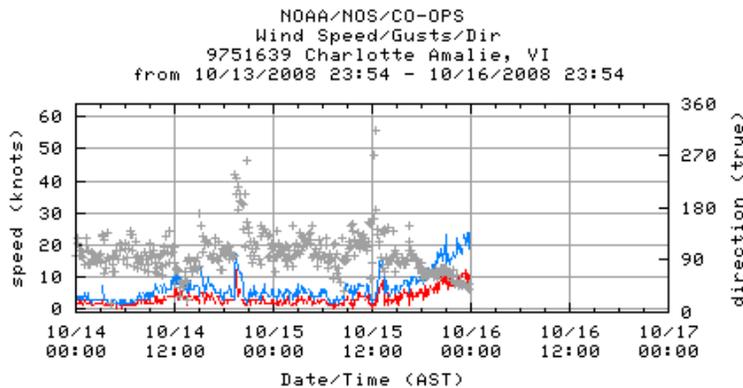
[Charlotte Amalie, VI - Station Map](#) [Return to List](#)



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

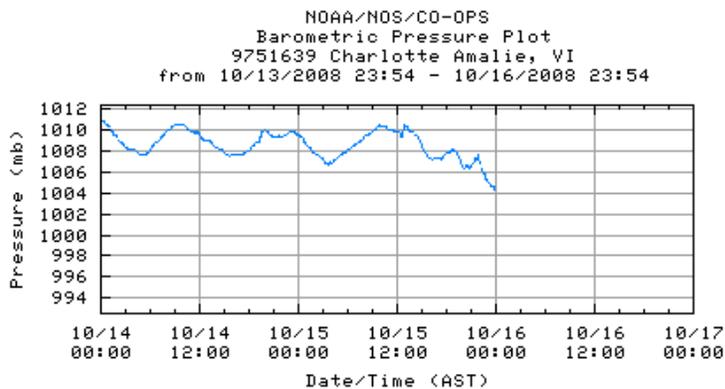
**Last Observed Sample: 10/15/2008 23:42 (AST)**  
**Relative to MLLW: Observed: 0.76 ft. Predicted: 0.25 ft. Residual: 0.51 ft.**  
**Historical Maximum Water Level: 09/16/1995, 2.93 ft. above MHHW**

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



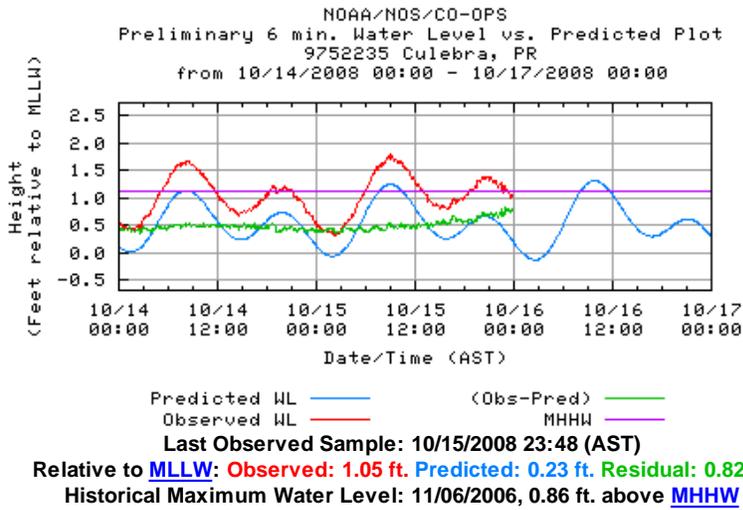
speed ——— gusts ——— direction +  
**Last Observed Sample: 10/15/2008 23:42 (AST)**  
**Wind Speed: 8 knots Gusts: 19 knots Direction: 041° T**

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

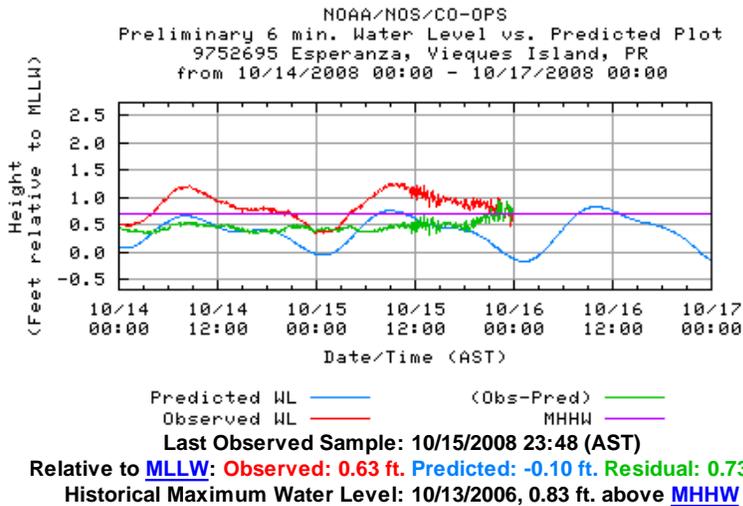


barometric pressure ———  
**Last Observed Sample: 10/15/2008 23:42 (AST)**  
**Barometric Pressure: 1004.3 mb**

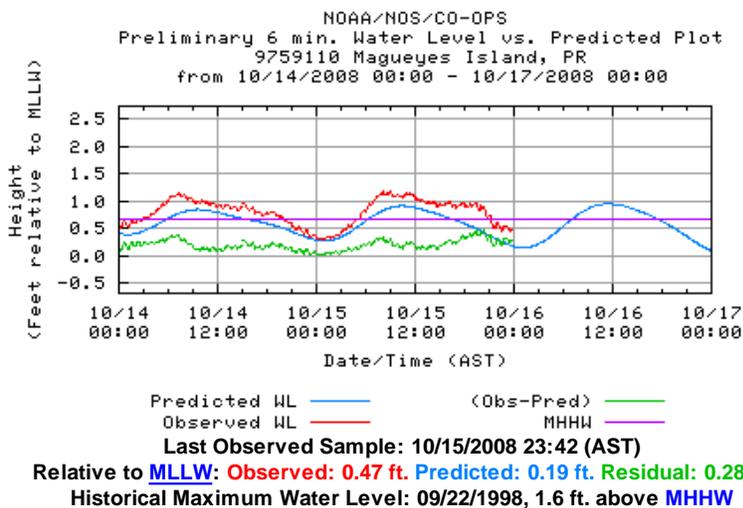
[Culebra, PR - Station Map](#) [Return to List](#)



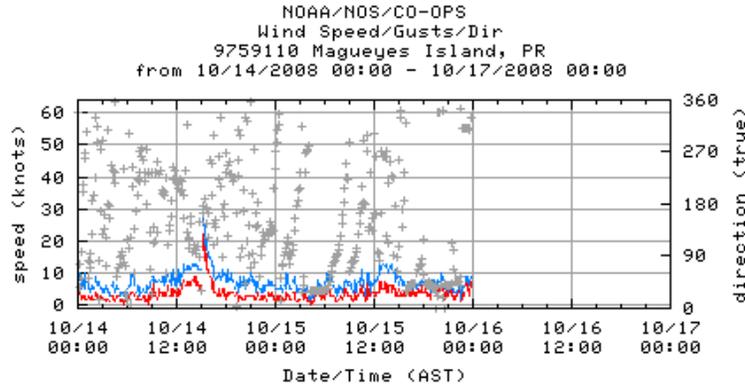
[Esperanza, Vieques Island, PR - Station Map](#) [Return to List](#)



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

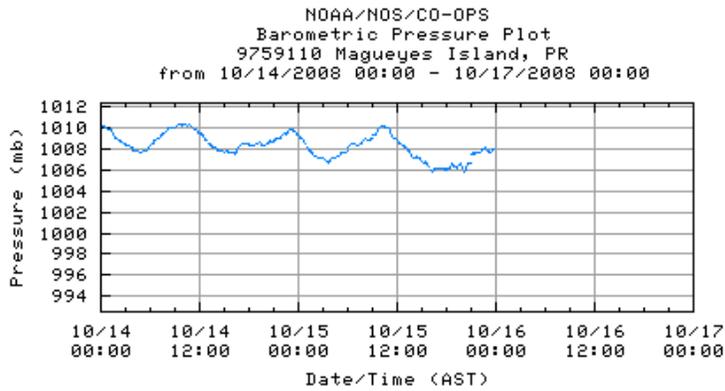


[Maqueyes Island, PR - Station Map](#) [Return to List](#)



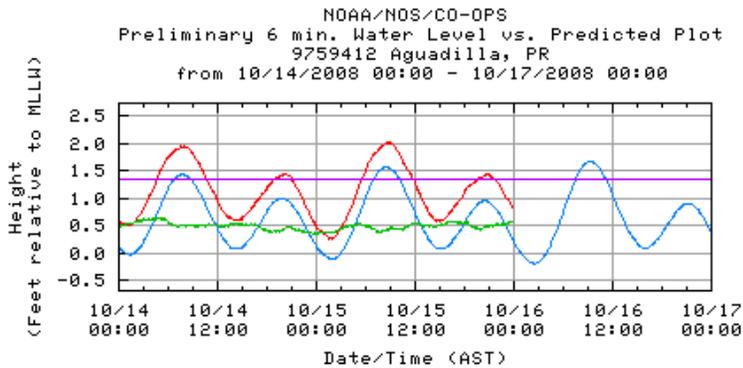
speed — gusts — direction +  
**Last Observed Sample: 10/15/2008 23:42 (AST)**  
**Wind Speed: 7 knots Gusts: 9 knots Direction: 331° T**

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



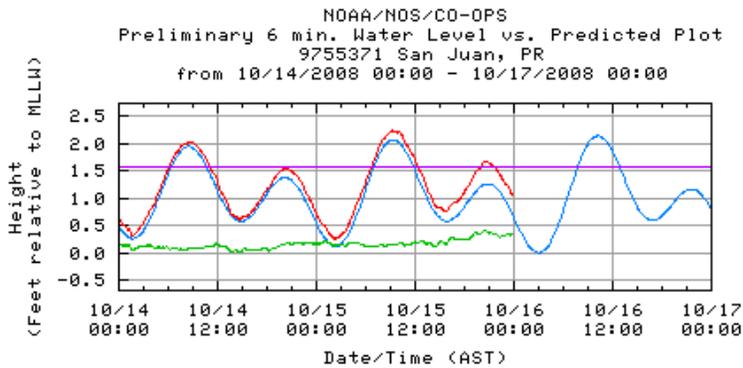
barometric pressure —  
**Last Observed Sample: 10/15/2008 23:42 (AST)**  
**Barometric Pressure: 1008.0 mb**

[Aguadilla, PR - Station Map](#) [Return to List](#)



Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —  
**Last Observed Sample: 10/15/2008 23:48 (AST)**  
**Relative to MLLW: Observed: 0.85 ft. Predicted: 0.27 ft. Residual: 0.58 ft.**  
**Historical Maximum Water Level: 10/28/2007, 0.95 ft. above MHHW**

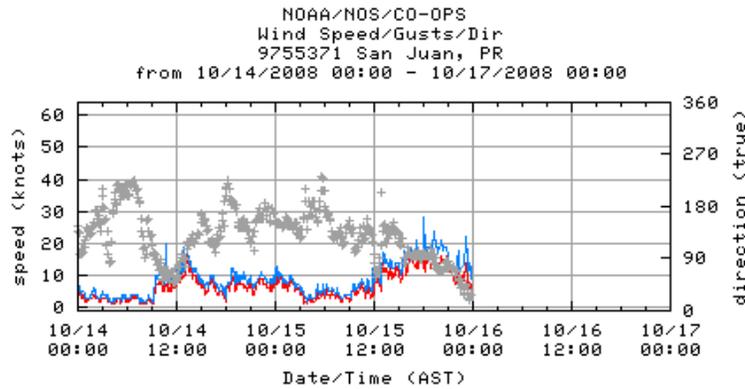
[San Juan, PR - Station Map](#) [Return to List](#)



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

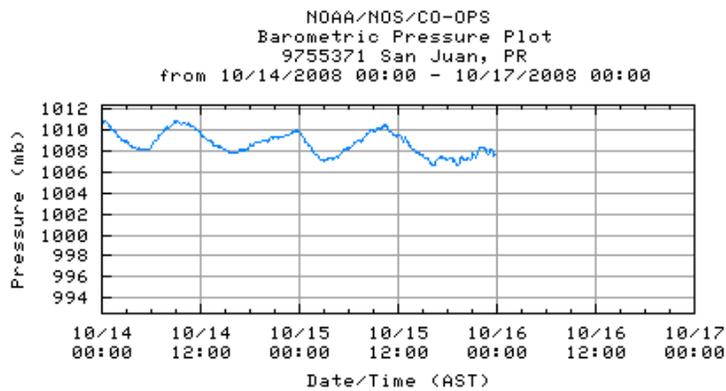
**Last Observed Sample: 10/15/2008 23:48 (AST)**  
**Relative to MLLW: Observed: 1.07 ft. Predicted: 0.71 ft. Residual: 0.36 ft.**  
**Historical Maximum Water Level: 09/21/1998, 1.21 ft. above MHHW**

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



speed ——— gusts ——— direction +  
**Last Observed Sample: 10/15/2008 23:48 (AST)**  
**Wind Speed: 7 knots Gusts: 13 knots Direction: 027° T**

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



barometric pressure ———  
**Last Observed Sample: 10/15/2008 23:48 (AST)**  
**Barometric Pressure: 1007.6 mb**