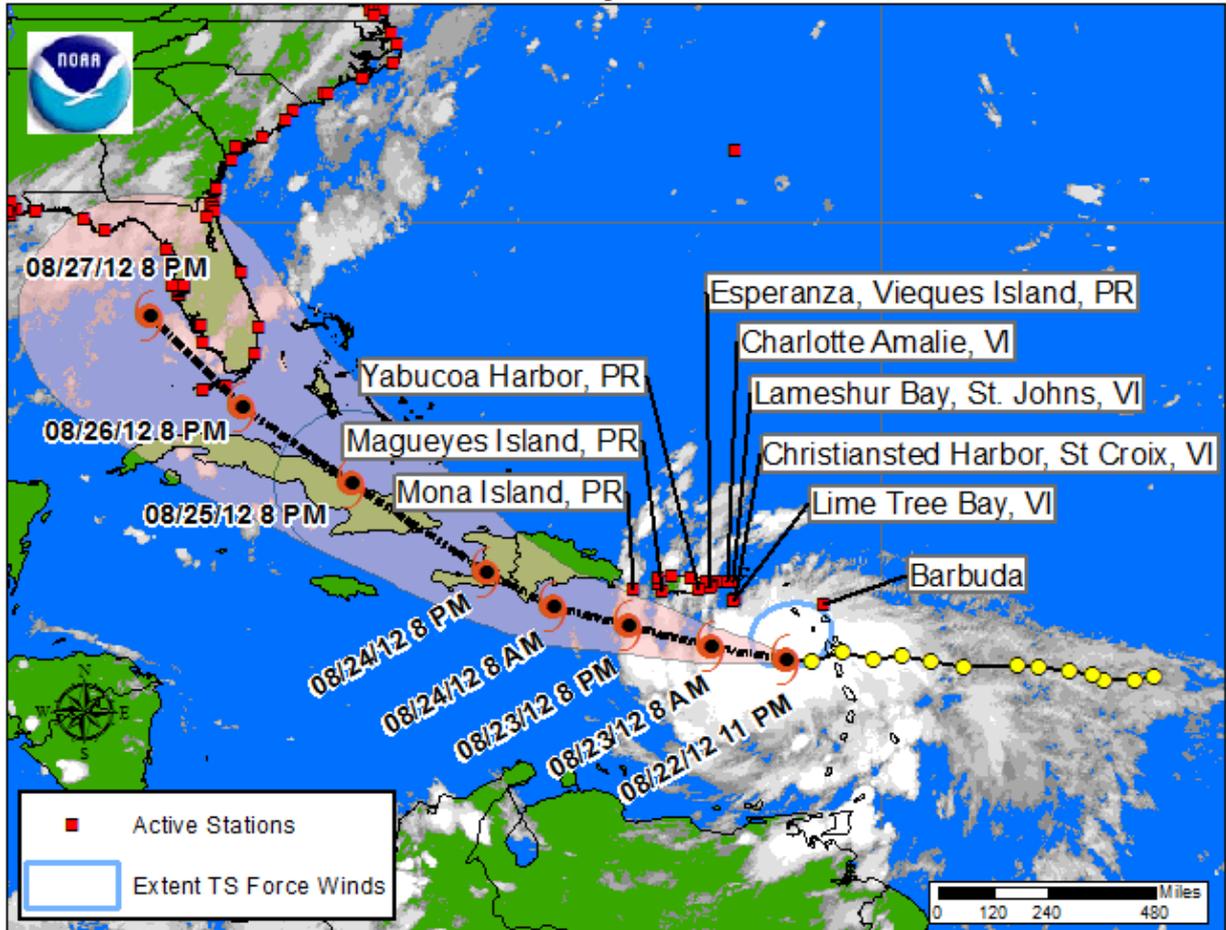




Tropical Storm ISAAC QuickLook
Posted: 00:00 AST 08/23/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/23/2012 00:00 AST, water levels from Barbuda and the U.S. Virgin Islands to Puerto Rico are slowly rising and range between 0.6 to 1.0 ft above tidal predictions. Water levels from Barbuda to Puerto Rico have been elevated by up to 0.5 feet above tidal predictions over the past several months. This residual water level is in addition to any storm surge effects from Isaac. Winds range from 3 to 17 kts with gusts over 25 knots observed at Barbuda. Barometric pressure is falling across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Barbuda: Next predicted high tides are 0.7 ft (0.22 m) at 08/23/2012 19:17 AST and 0.7 ft (0.22 m) at 08/24/2012 19:29 AST.

Christiansted Harbor, St Croix, VI: Next predicted high tides are 0.6 ft (0.19 m) at 08/23/2012 14:23 AST and

Tropical Storm ISAAC QuickLook, POSTED 00:00 AST 08/23/2012

0.7 ft (0.22 m) at 08/24/2012 16:23 AST.

Lameshur Bay, St. John, VI: Next predicted high tides are 0.9 ft (0.28 m) at 08/23/2012 14:55 AST and 1.0 ft (0.30 m) at 08/24/2012 16:02 AST.

Lime Tree Bay, VI: Next predicted high tides are 0.8 ft (0.24 m) at 08/23/2012 18:19 AST and 0.9 ft (0.27 m) at 08/24/2012 18:49 AST.

Charlotte Amalie, VI: Next predicted high tides are 0.9 ft (0.28 m) at 08/23/2012 14:57 AST and 1.0 ft (0.30 m) at 08/24/2012 16:12 AST.

Esperanza, Vieques Island, PR: Next predicted high tides are 0.6 ft (0.19 m) at 08/23/2012 16:08 AST and 0.7 ft (0.22 m) at 08/24/2012 17:02 AST.

Yabucoa Harbor, PR: Next predicted high tides are 0.6 ft (0.20 m) at 08/23/2012 16:48 AST and 0.7 ft (0.22 m) at 08/24/2012 17:33 AST.

Magueyes Island, PR: Next predicted high tides are 0.8 ft (0.25 m) at 08/23/2012 18:14 AST and 0.9 ft (0.27 m) at 08/24/2012 18:43 AST.

Mona Island, PR: Next predicted high tides are 0.8 ft (0.25 m) at 08/23/2012 18:36 AST and 0.9 ft (0.28 m) at 08/24/2012 19:21 AST.

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.

Analyst:KG

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 8
1100 PM AST WED AUG 22 2012

...ISAAC MOVING OVER THE EASTERN CARIBBEAN SEA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE GOVERNMENT OF FRANCE HAS DISCONTINUED THE TROPICAL STORM WARNING FOR MARTINIQUE...GUADELOUPE AND THE SURROUNDING ISLANDS...AND ST. MARTIN.

THE HURRICANE WATCH FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS HAS BEEN DISCONTINUED.

THE GOVERNMENT OF ANTIGUA AND BARBUDA HAS DISCONTINUED THE HURRICANE

WATCH FOR THE BRITISH VIRGIN ISLANDS.

A HURRICANE WARNING HAS BEEN ISSUED FOR HAITI.

THE GOVERNMENT OF THE DOMINICAN REPUBLIC HAS CHANGED THE TROPICAL STORM WATCH TO A TROPICAL STORM WARNING FOR THE NORTH COAST OF THE DOMINICAN REPUBLIC FROM THE HAITI-DOMINICAN REPUBLIC NORTHERN BORDER EASTWARD TO NORTH OF ISLA SAONA.

THE GOVERNMENT OF THE BAHAMAS HAS ISSUED A TROPICAL STORM WATCH FOR THE SOUTHEASTERN BAHAMAS INCLUDING THE ACKLINS...CROOKED ISLAND...LONG CAY...THE INAGUAS...MAYAGUANA...AND THE RAGGED ISLANDS...AS WELL AS FOR THE TURKS AND CAICOS ISLANDS.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- * SOUTH COAST OF DOMINICAN REPUBLIC FROM ISLA SAONA WESTWARD TO THE HAITI-DOMINICAN REPUBLIC SOUTHERN BORDER
- * HAITI

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * DOMINICA
- * ST. KITTS...NEVIS...ANTIGUA...BARBUDA... MONTserrat...AND ANGUILLA
- * SABA...ST. EUSTATIUS...AND ST. MAARTEN
- * BRITISH VIRGIN ISLANDS
- * PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS
- * NORTH COAST OF DOMINICAN REPUBLIC FROM THE HAITI-DOMINICAN REPUBLIC NORTHERN BORDER EASTWARD TO NORTH OF ISLA SAONA

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * SOUTHEASTERN BAHAMAS INCLUDING THE ACKLINS...CROOKED ISLAND...LONG CAY...THE INAGUAS...MAYAGUANA...AND THE RAGGED ISLANDS AND THE TURKS AND CAICOS ISLANDS

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS IN CUBA...JAMAICA...AND ELSEWHERE IN THE BAHAMAS SHOULD MONITOR THE PROGRESS OF ISAAC.

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 1100 PM AST...THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED NEAR LATITUDE 15.8 NORTH... LONGITUDE 63.0 WEST. ISAAC IS MOVING TOWARD THE WEST NEAR 20 MPH...AND A GRADUAL TURN TOWARD THE WEST-NORTHWEST IS EXPECTED OVER THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD CONTINUE TO MOVE AWAY FROM THE LEEWARD ISLANDS DURING THE NEXT FEW HOURS...PASS TO THE SOUTH OF THE VIRGIN ISLANDS AND PUERTO RICO ON THURSDAY...AND APPROACH THE DOMINICAN REPUBLIC THURSDAY NIGHT AND FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 45 MPH...WITH HIGHER GUSTS. SOME STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS... AND ISAAC COULD BECOME A HURRICANE THURSDAY NIGHT OR FRIDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES... FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1003 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS SHOULD BEGIN TO SUBSIDE OVER THE LEEWARD ISLANDS BY THURSDAY MORNING. TROPICAL STORM CONDITIONS ARE EXPECTED OVER PUERTO RICO AND THE U.S. AND BRITISH VIRGIN ISLANDS ON THURSDAY. HURRICANE CONDITIONS ARE EXPECTED OVER PORTIONS OF THE DOMINICAN REPUBLIC BY THURSDAY NIGHT OR EARLY FRIDAY...AND OVER PORTIONS OF HAITI ON FRIDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE OVER THE SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS BY LATE FRIDAY.

RAINFALL...TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES ARE POSSIBLE OVER THE NORTHERN WINDWARD ISLANDS AND THE LEEWARD ISLANDS. TOTAL RAIN ACCUMULATIONS OF 1 TO 3 INCHES WITH MAXIMUM AMOUNTS OF 6 INCHES ARE POSSIBLE OVER PUERTO RICO AND THE VIRGIN ISLANDS. TOTAL RAINFALL ACCUMULATIONS OF 8 TO 12 INCHES...WITH MAXIMUM AMOUNTS OF 20 INCHES...ARE POSSIBLE OVER HISPANIOLA. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE NORMAL TIDE LEVELS IN AREAS OF ONSHORE WINDS ALONG THE COAST OF HISPANIOLA. A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IN THE NORTHERN LEEWARD ISLANDS...PUERTO RICO...AND THE U.S. AND BRITISH VIRGIN ISLANDS. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.

SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT THE WINDWARD

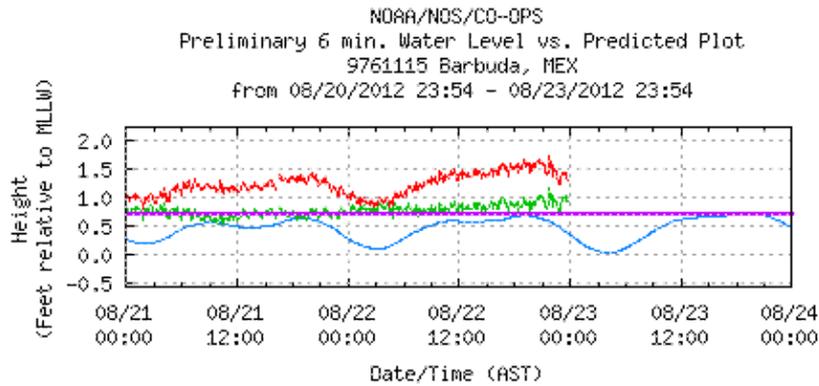
ISLANDS...LEEWARD ISLANDS...VIRGIN ISLANDS...AND PUERTO RICO DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER PASCH/BLAKE

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](#), [Barbuda - Barometric](#), [Barbuda - Air/Water Temp](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Lameshur Bay, St. John - Water Level](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Magueyes Island - Barometric](#), [Mona Island - Water Level](#),

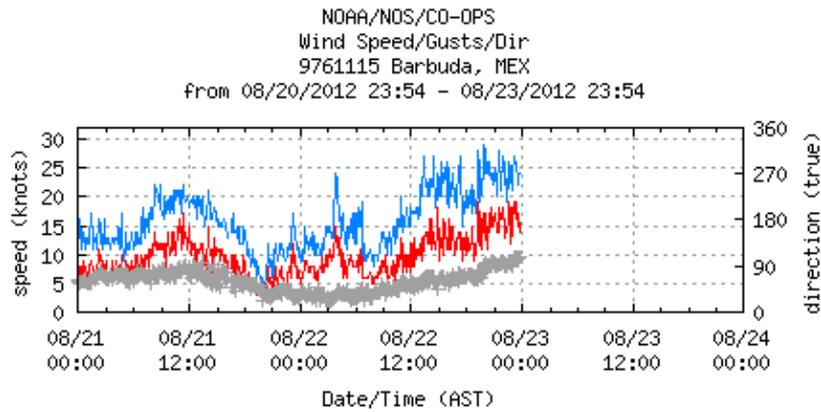
Barbuda, MEX - Return to List



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

Last Observed Sample: 08/22/2012 23:42 (AST)
Relative to MLLW: **Observed: 1.30 ft. Predicted: 0.37 ft. Residual: 0.93 ft.**
Historical Maximum Water Level: , ft. above MHHW

Barbuda, MEX - Return to List

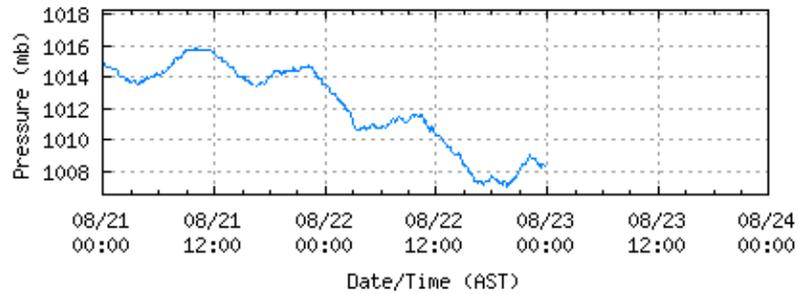


speed — gusts — direction +

Last Observed Sample: 08/22/2012 23:42 (AST)
Wind Speed: 14 knots Gusts: 24 knots Direction: 108° T

Barbuda, MEX - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
9761115 Barbuda, MEX
from 08/20/2012 23:54 - 08/23/2012 23:54



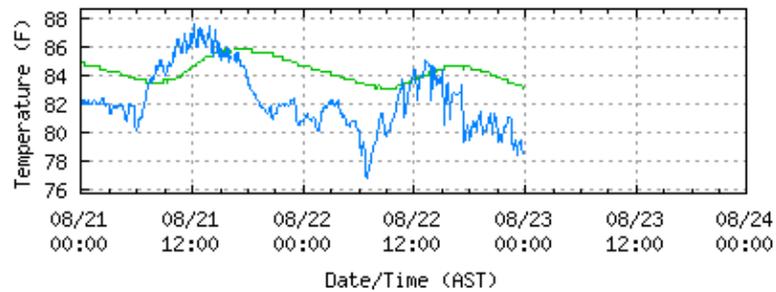
barometric pressure —

Last Observed Sample: 08/22/2012 23:42 (AST)

Barometric Pressure: 1008.3 mb

Barbuda, MEX - Return to List

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
9761115 Barbuda, MEX
from 08/20/2012 23:54 - 08/23/2012 23:54

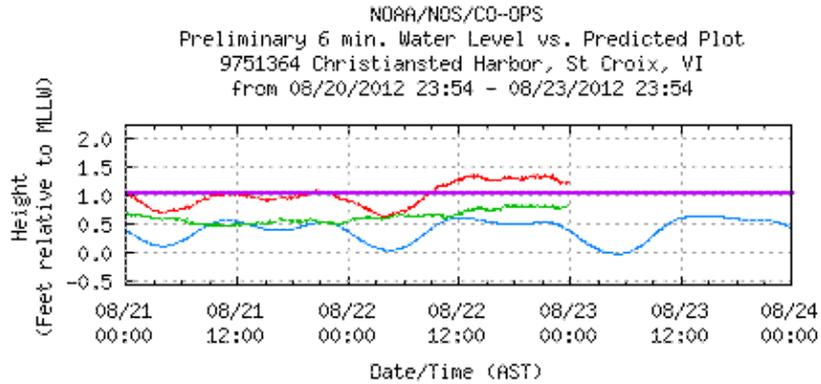


water temp. — air temp —

Last Observed Sample: 08/22/2012 23:42 (AST)

Water Temperature: 83.1° F Air Temperature: 78.6° F

Christiansted Harbor, St Croix, VI - Return to List



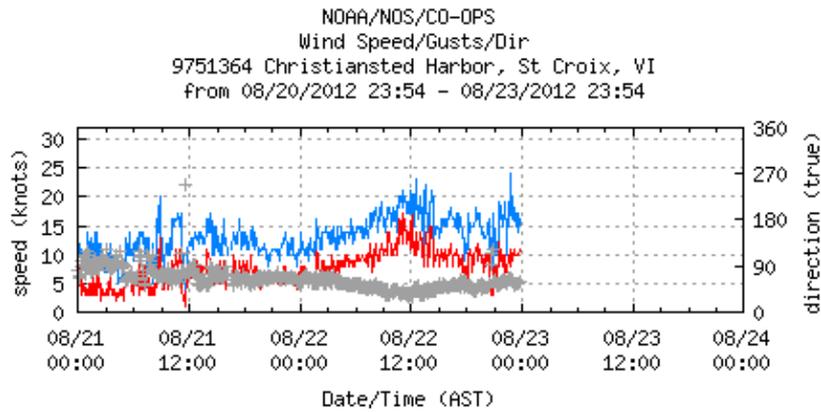
Predicted Tide — (Obs-Pred) —
 Observed WL — HAT —

Last Observed Sample: 08/22/2012 23:42 (AST)

Relative to MLLW: **Observed: 1.22 ft.** **Predicted: 0.39 ft.** **Residual: 0.83 ft.**

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

Christiansted Harbor, St Croix, VI - Return to List

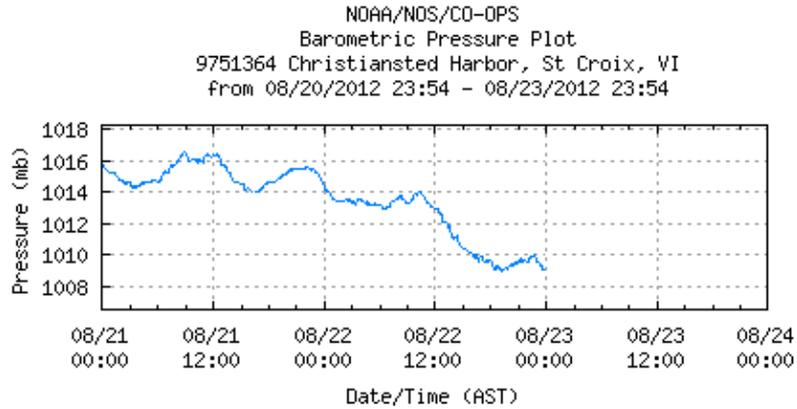


speed — gusts — direction +

Last Observed Sample: 08/22/2012 23:42 (AST)

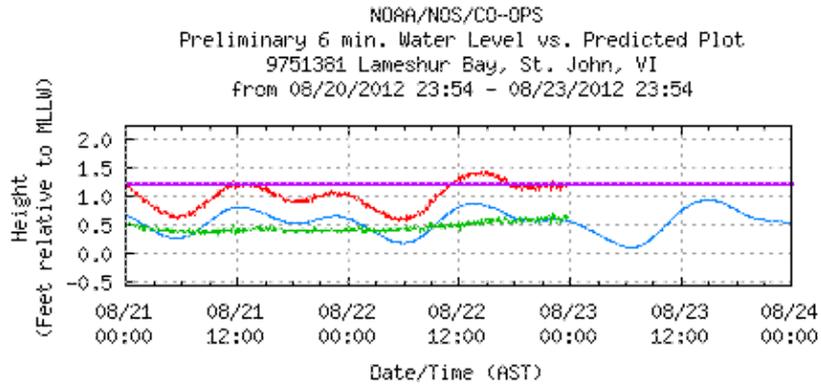
Wind Speed: 11 knots **Gusts: 16 knots** **Direction: 58° T**

Christiansted Harbor, St Croix, VI - Return to List



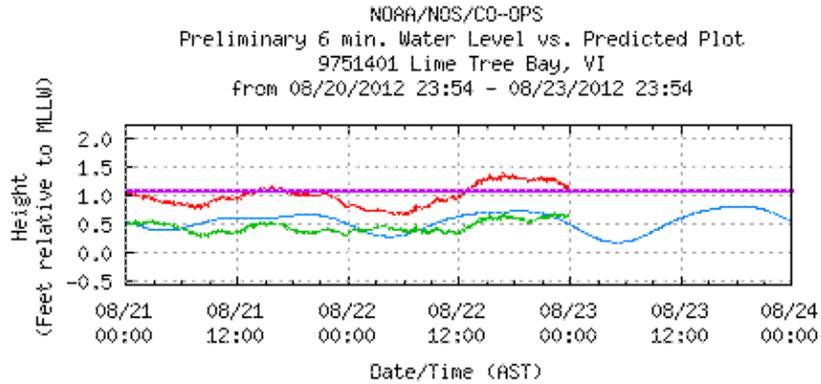
barometric pressure —
Last Observed Sample: 08/22/2012 23:42 (AST)
Barometric Pressure: 1009.1 mb

Lameshur Bay, St. John, VI - Return to List



Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/22/2012 23:48 (AST)
Relative to MLLW: Observed: 1.20 ft. Predicted: 0.56 ft. Residual: 0.64 ft.
Historical Maximum Water Level: Aug 30 2010, 0.9 ft. above MHHW

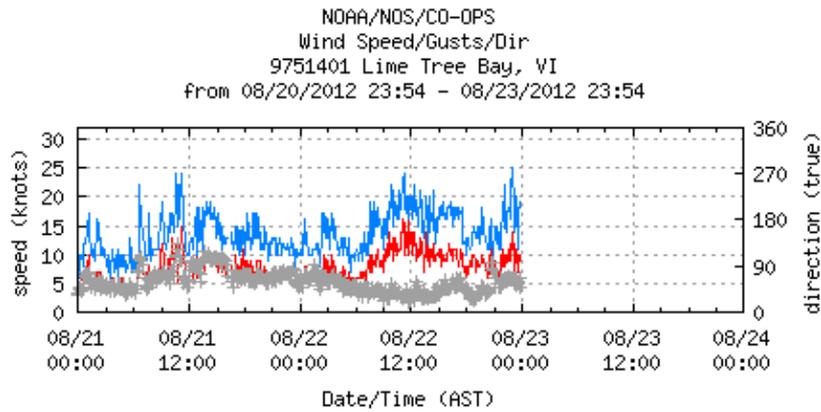
Lime Tree Bay, VI - Return to List



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

Last Observed Sample: 08/22/2012 23:48 (AST)
 Relative to MLLW: **Observed: 1.12 ft.** **Predicted: 0.50 ft.** **Residual: 0.62 ft.**
 Historical Maximum Water Level: Nov 17 1999, 1.88 ft. above MHHW

Lime Tree Bay, VI - Return to List

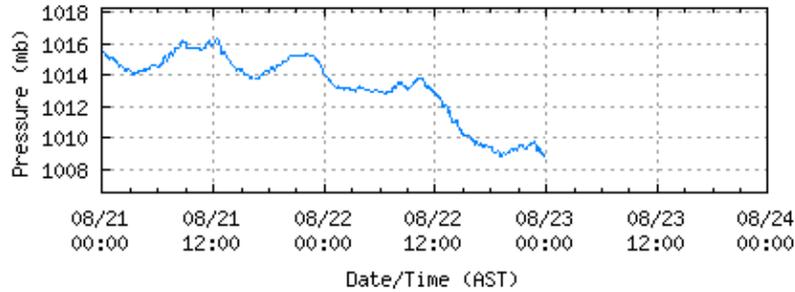


speed — gusts — direction +

Last Observed Sample: 08/22/2012 23:48 (AST)
Wind Speed: 9 knots **Gusts: 18 knots** **Direction: 49° T**

Lime Tree Bay, VI - Return to List

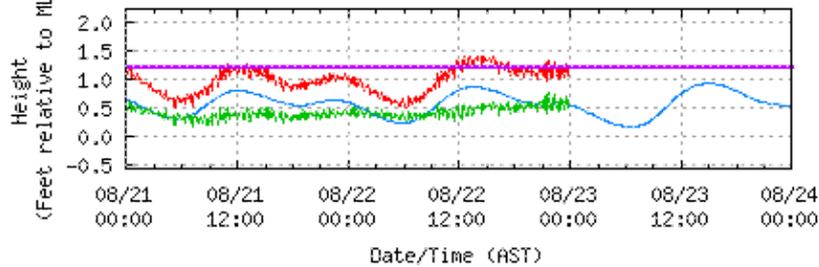
NOAA/NOS/CO-OPS
Barometric Pressure Plot
9751401 Lime Tree Bay, VI
from 08/20/2012 23:54 - 08/23/2012 23:54



barometric pressure —
Last Observed Sample: 08/22/2012 23:48 (AST)
Barometric Pressure: 1008.8 mb

Charlotte Amalie, VI - Return to List

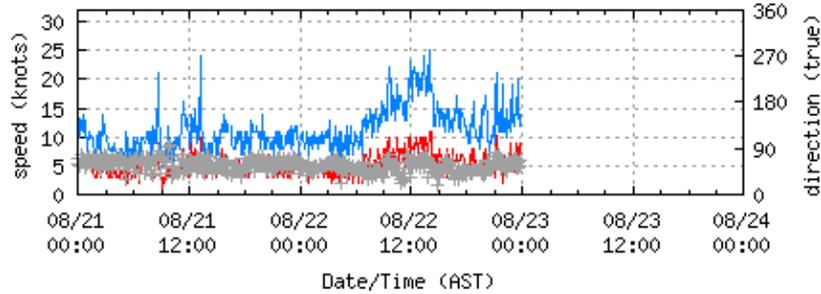
NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
9751639 Charlotte Amalie, VI
from 08/20/2012 23:54 - 08/23/2012 23:54



Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/22/2012 23:48 (AST)
Relative to MLLW: Observed: 1.18 ft. Predicted: 0.55 ft. Residual: 0.63 ft.
Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above MHHW

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

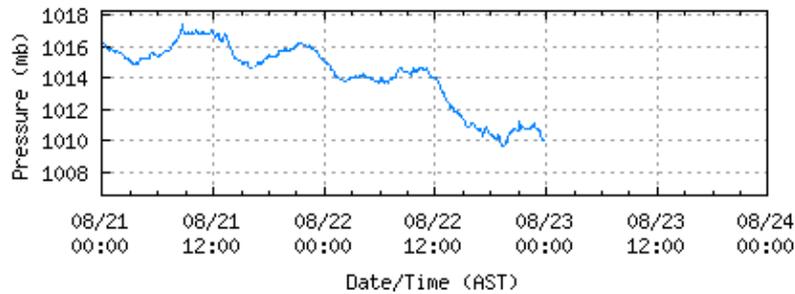
NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
9751639 Charlotte Amalie, VI
from 08/20/2012 23:54 - 08/23/2012 23:54



speed — gusts — direction +
Last Observed Sample: 08/22/2012 23:48 (AST)
Wind Speed: 5 knots Gusts: 14 knots Direction: 56° T

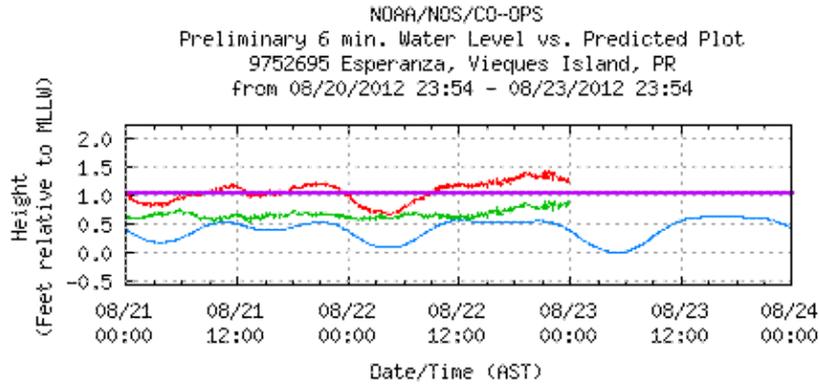
[Charlotte Amalie, VI - Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
9751639 Charlotte Amalie, VI
from 08/20/2012 23:54 - 08/23/2012 23:54



barometric pressure —
Last Observed Sample: 08/22/2012 23:48 (AST)
Barometric Pressure: 1010.0 mb

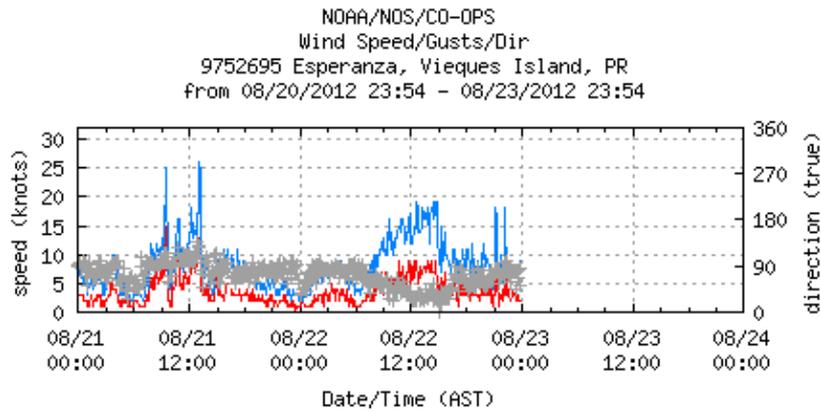
Esperanza, Vieques Island, PR - Return to List



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

Last Observed Sample: 08/22/2012 23:48 (AST)
 Relative to MLLW: **Observed: 1.22 ft.** **Predicted: 0.39 ft.** **Residual: 0.83 ft.**
 Historical Maximum Water Level: Aug 22 2011, 1.04 ft. above MHHW

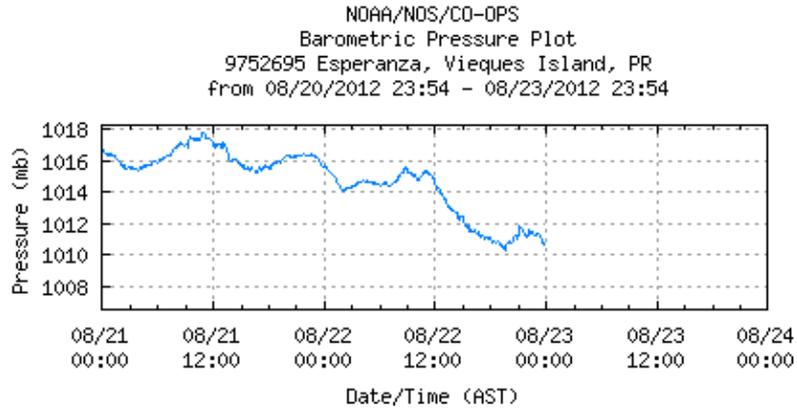
Esperanza, Vieques Island, PR - Return to List



speed ——— gusts ——— direction +

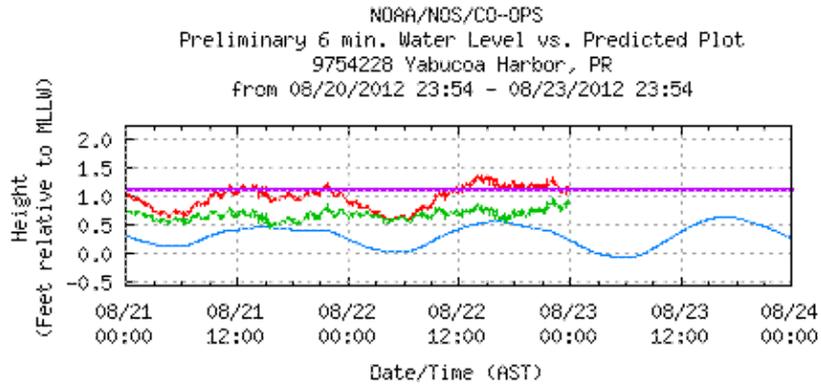
Last Observed Sample: 08/22/2012 23:48 (AST)
Wind Speed: 2 knots **Gusts: 7 knots** **Direction: 52° T**

Esperanza, Vieques Island, PR - Return to List



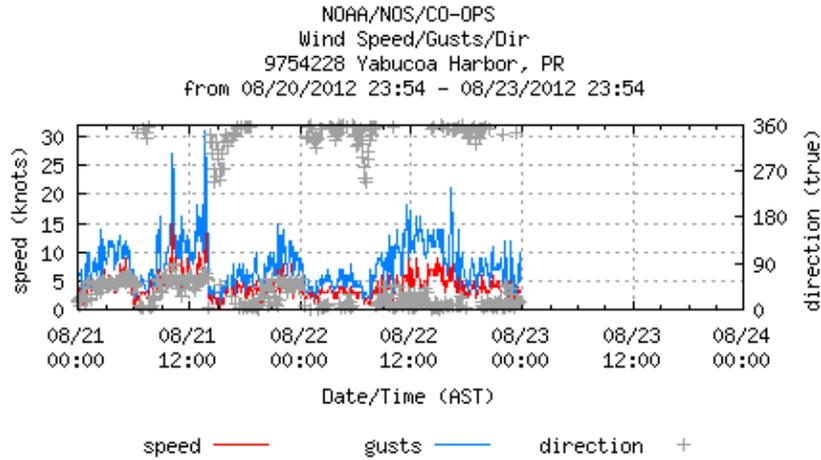
barometric pressure —
Last Observed Sample: 08/22/2012 23:48 (AST)
Barometric Pressure: 1010.6 mb

Yabucoa Harbor, PR - Return to List



Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/22/2012 23:48 (AST)
Relative to MLLW: Observed: 1.09 ft. Predicted: 0.24 ft. Residual: 0.85 ft.
Historical Maximum Water Level: , 0 ft. above MHHW

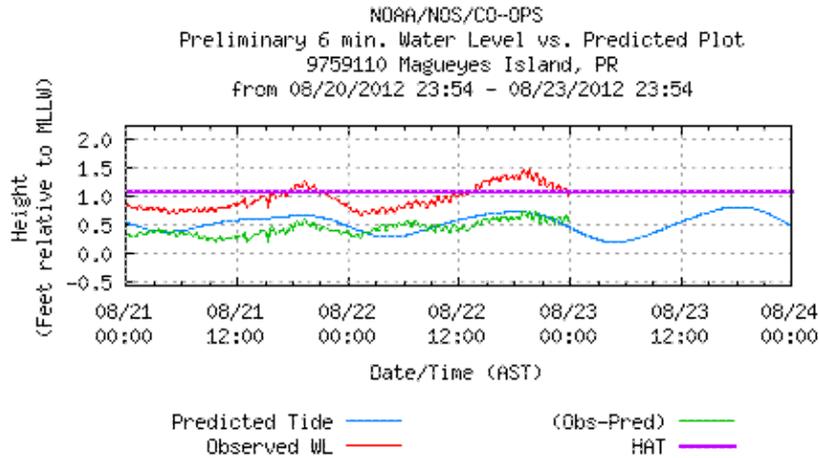
Yabucoa Harbor, PR - Return to List



Last Observed Sample: 08/22/2012 23:48 (AST)

Wind Speed: 3 knots Gusts: 5 knots Direction: 13° T

Magueyes Island, PR - Return to List



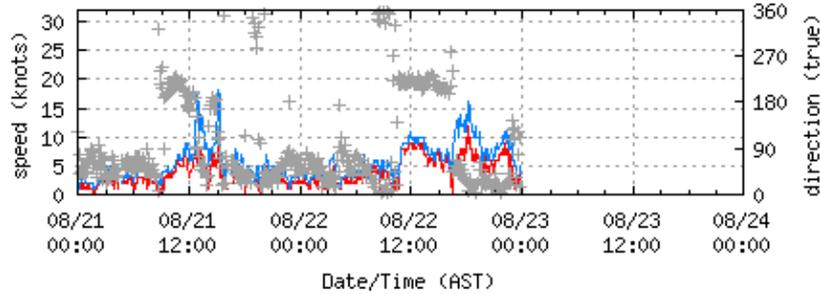
Last Observed Sample: 08/22/2012 23:48 (AST)

Relative to MLLW: Observed: 1.01 ft. Predicted: 0.46 ft. Residual: 0.55 ft.

Historical Maximum Water Level: Sep 22 1998, 1.6 ft. above MHHW

Magueyes Island, PR - Return to List

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
9759110 Magueyes Island, PR
from 08/20/2012 23:54 - 08/23/2012 23:54



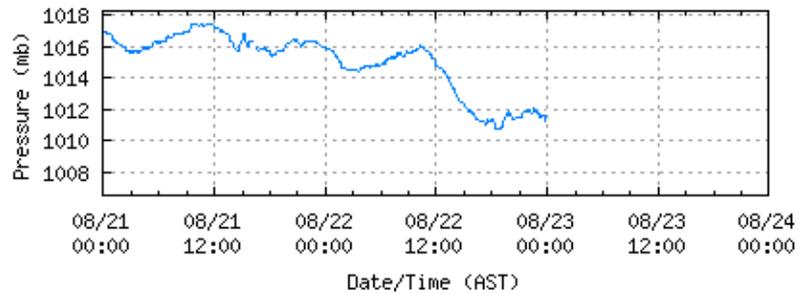
speed — gusts — direction +

Last Observed Sample: 08/22/2012 23:48 (AST)

Wind Speed: 4 knots Gusts: 5 knots Direction: 15° T

Magueyes Island, PR - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
9759110 Magueyes Island, PR
from 08/20/2012 23:54 - 08/23/2012 23:54



barometric pressure —

Last Observed Sample: 08/22/2012 23:48 (AST)

Barometric Pressure: 1011.3 mb

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

Last Observed Sample: 08/22/2012 22:54 (AST)

Relative to MLLW: **Observed: 1.27 ft.** **Predicted: 0.49 ft.** **Residual: 0.78 ft.**

Historical Maximum Water Level: Dec 23 2010, 1.26 ft. above MHHW

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)

National Oceanic and Atmospheric Administration | U.S. Department of Commerce