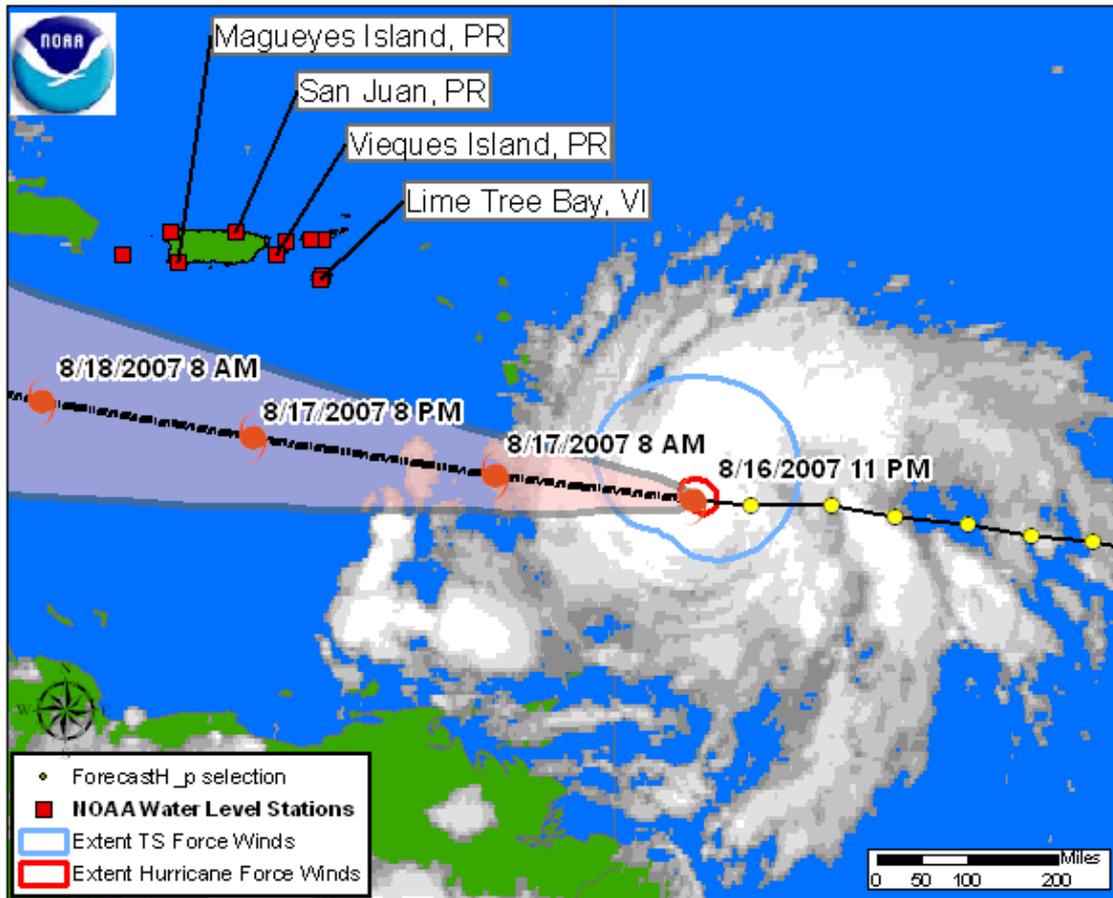




Hurricane DEAN QUICKLOOK
Posted: 00:30 AST 08/17/2007

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

Observations as of 8/17/2007 00:30 AST:

NOS water level at San Juan, PR is around 0.00 ft (0.00 m) above predicted.
Next high tide at 08/17/2007 Fri 12:12 PM AST.

NOS water level at Vieques Island, PR is around 0.32 ft (0.10 m) above predicted.
Next high tide at 08/17/2007 Fri 05:28 PM AST.

NOS water level at Lime Tree Bay, VI is around 0.32 ft (0.10 m) above predicted.
Next high tide at 08/17/2007 Fri 11:14 AM AST.

NOS water level at Magueyes Island, PR is around 0.13 ft (0.04 m) above predicted.
Next high tide at 08/17/2007 Fri 07:54 PM AST.

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION FOLLOWS:

...DEAN APPROACHING THE WINDWARD ISLANDS...

A HURRICANE WARNING REMAINS IN EFFECT FOR ST. LUCIA... MARTINIQUE... DOMINICA...AND GUADELOUPE AND ITS DEPENDENCIES. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE VERY NEAR COMPLETION.

AT 11 PM AST...0300 UTC...A TROPICAL STORM WARNING HAS BEEN ISSUED FOR THE U.S. VIRGIN ISLANDS AND PUERTO RICO. A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE FOLLOWING ISLANDS OF THE LESSER ANTILLES...GRENADA AND ITS DEPENDENCIES...ST. VINCENT AND THE GRENADINES...BARBADOS...SABA...ST. EUSTATIUS... MONTSERRAT... ANTIGUA...NEVIS...ST KITTS...BARBUDA...ST. MAARTEN...AND ANGUILLA. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

AT 1100 PM AST...A TROPICAL STORM WATCH HAS BEEN ISSUED FOR THE SOUTH COAST OF THE DOMINICAN REPUBLIC FROM CABO ENGANO TO THE HAITI/DOMINICAN REPUBLIC BORDER. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 36 HOURS.

INTERESTS IN THE CENTRAL AND WESTERN CARIBBEAN...INCLUDING HAITI...JAMAICA...AND THE CAYMAN ISLANDS...SHOULD CLOSELY MONITOR THE PROGRESS OF DEAN.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 1100 PM AST...0300Z...THE CENTER OF HURRICANE DEAN WAS LOCATED NEAR LATITUDE 14.1 NORTH...LONGITUDE 58.7 WEST OR ABOUT 160 MILES... 255 KM...EAST-SOUTHEAST OF MARTINIQUE AND ABOUT 80 MILES...130 KM... NORTHEAST OF BARBADOS.

DEAN IS MOVING TOWARD THE WEST NEAR 25 MPH...41 KM/HR...AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS. ON THE FORECAST TRACK...THE CENTER OF DEAN WILL BE PASSING VERY NEAR THE ISLANDS OF ST. LUCIA AND MARTINIQUE WITHIN THE NEXT SIX TO TWELVE HOURS.

MAXIMUM SUSTAINED WINDS ARE NEAR 100 MPH...160 KM/HR...WITH HIGHER GUSTS. DEAN IS A CATEGORY TWO HURRICANE ON THE SAFFIR-SIMPSON SCALE. STRONGER WINDS...ESPECIALLY IN GUSTS...ARE LIKELY OVER ELEVATED TERRAIN NEAR THE PATH OF THE CENTER. SOME STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 25 MILES...35 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES...220 KM.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 976 MB...28.82 INCHES.

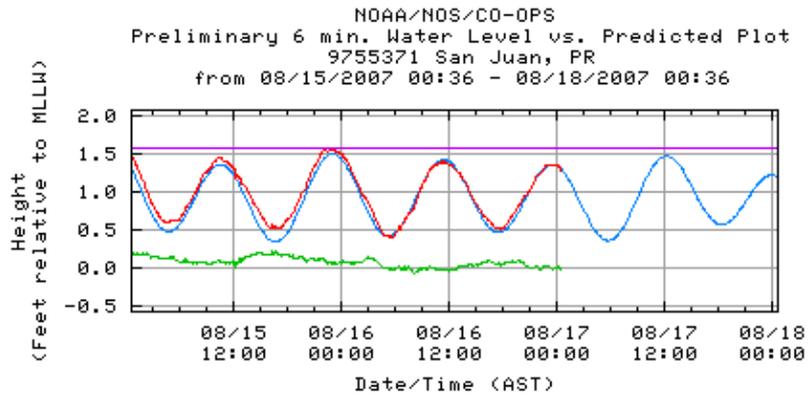
**STORM SURGE FLOODING OF 2 TO 4 FEET ABOVE NORMAL TIDE LEVELS...
ACCOMPANIED BY LARGE AND DANGEROUS BATTERING WAVES...IS POSSIBLE
NEAR THE CENTER OF DEAN.**

**STORM TOTAL RAINFALL OF 2 TO 5 INCHES...WITH ISOLATED MAXIMUM
AMOUNTS OF 10 INCHES IN MOUNTAINOUS AREAS...ARE POSSIBLE IN
ASSOCIATION WITH DEAN IN THE LESSER ANTILLES. ACROSS PUERTO
RICO...STORM TOTAL AMOUNTS OF 1 TO 2 INCHES CAN BE EXPECTED...WITH
MAXIMUM AMOUNTS OF UP TO 5 INCHES. THESE RAINS COULD CAUSE
LIFE-THREATENING FLASH FLOODS AND MUDSLIDES.**

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: [San Juan - Water Level](#), [San Juan - Barometric](#), [Lime Tree Bay - Water Level](#), [Maqueyes Island - Water Level](#), [Maqueyes Island - Barometric](#), [San Juan - Winds](#), [Vieques Island - Water Level](#), [Lime Tree Bay - Barometric](#), [Maqueyes Island - Winds](#)

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



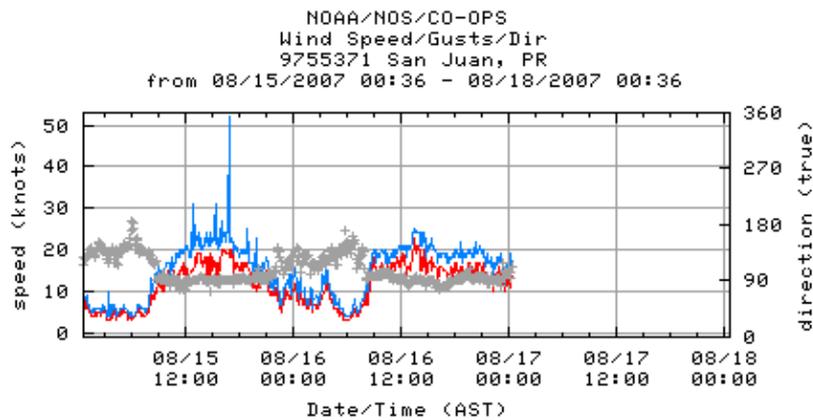
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 08/17/2007 00:24 (AST)

Relative to **MLLW**: **Observed: 1.28 ft. Predicted: 1.31 ft. Residual: -0.03 ft.**

Historical Maximum Water Level: 09/21/1998, 1.21 ft. above **MHHW**

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



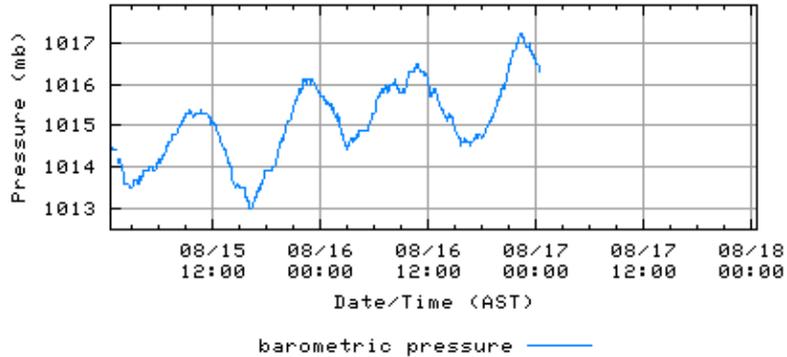
speed ——— gusts ——— direction +

Last Observed Sample: 08/17/2007 00:18 (AST)

Wind Speed: 13 knots Gusts: 16 knots Direction: 113° T

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

NOAA/NOS/CO-OPS
Barometric Pressure Plot
9755371 San Juan, PR
from 08/15/2007 00:36 - 08/18/2007 00:36

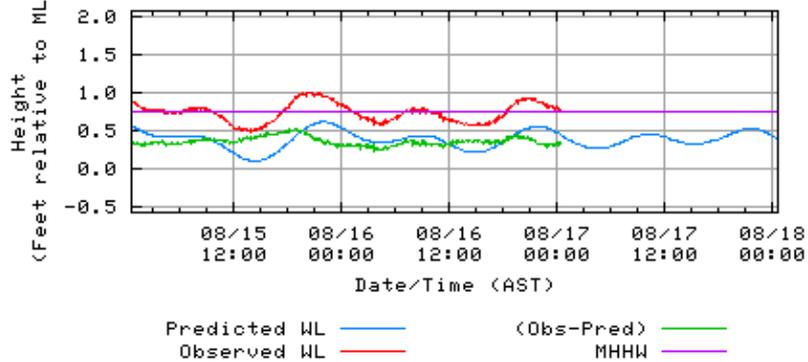


Last Observed Sample: 08/17/2007 00:24 (AST)

Barometric Pressure: 1016.3 mb

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

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
9752695 Vieques Island, PR
from 08/15/2007 00:36 - 08/18/2007 00:36

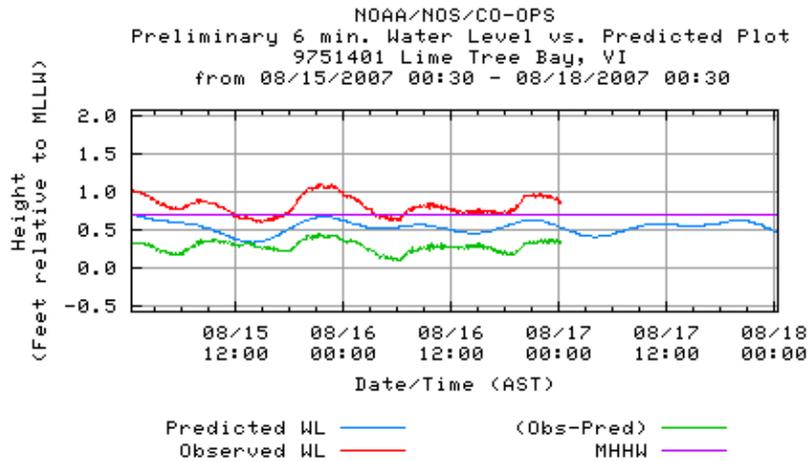


Last Observed Sample: 08/17/2007 00:24 (AST)

Relative to **MLLW**: Observed: 0.78 ft. Predicted: 0.44 ft. Residual: 0.34 ft.

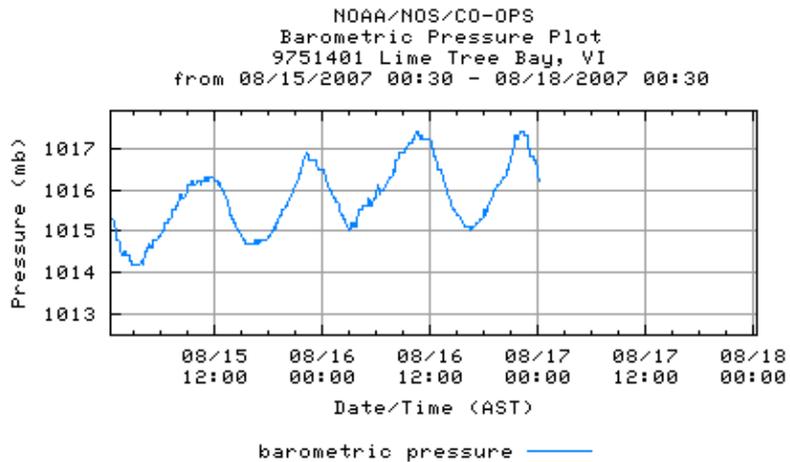
Historical Maximum Water Level: n/a

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



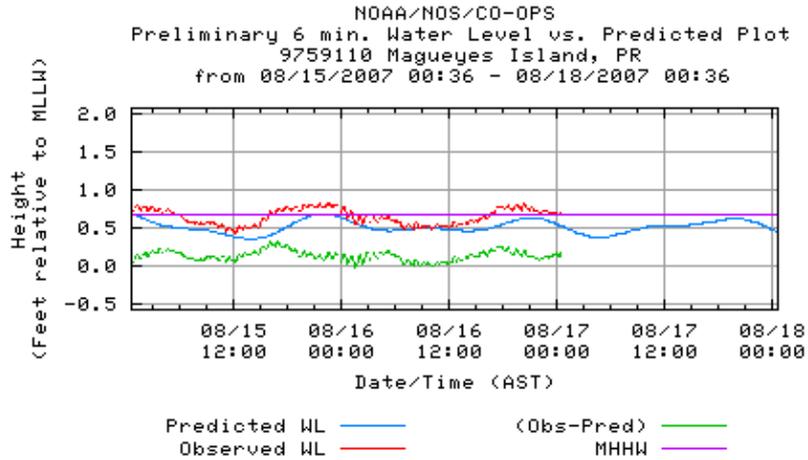
Last Observed Sample: 08/17/2007 00:18 (AST)
Relative to **MLLW**: **Observed: 0.86 ft. Predicted: 0.53 ft. Residual: 0.33 ft.**
Historical Maximum Water Level: 11/17/1999, 1.88 ft. above **MHHW**

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



Last Observed Sample: 08/17/2007 00:12 (AST)
Barometric Pressure: 1016.2 mb

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

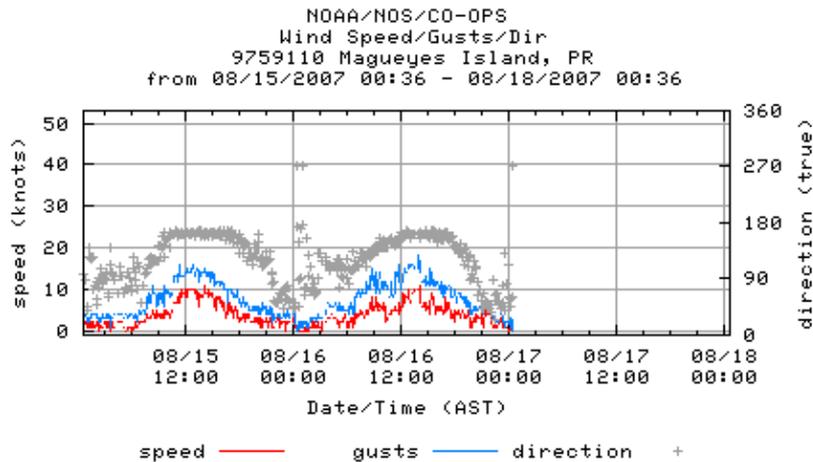


Last Observed Sample: 08/17/2007 00:24 (AST)

Relative to **MLLW**: **Observed: 0.69 ft.** **Predicted: 0.52 ft.** **Residual: 0.17 ft.**

Historical Maximum Water Level: 09/22/1998, 1.6 ft. above **MHHW**

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

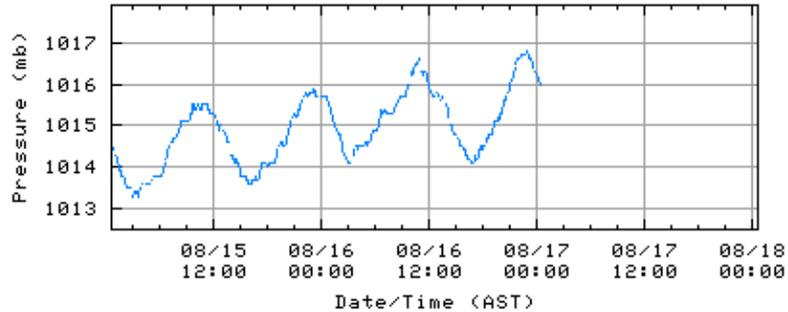


Last Observed Sample: 08/17/2007 00:24 (AST)

Wind Speed: 0 knots **Gusts: 0 knots** **Direction: 270° T**

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

NOAA/NOS/CO-OPS
Barometric Pressure Plot
9759110 Magueyes Island, PR
from 08/15/2007 00:36 - 08/18/2007 00:36



barometric pressure —

Last Observed Sample: 08/17/2007 00:24 (AST)

Barometric Pressure: 1016.0 mb

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