As of 10/15/2008 06:00 AST, water levels in Puerto Rico and the U.S. Virgin Islands are rising and range 0.2-0.5 ft above predicted. Wind speeds are currently less than 10 knots. Barometric pressure is rising and range 1,007.6 - 1,008.4 mb.

Storm Analysis

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 1.00 ft (0.30 m) at 10/15/2008 10:13 AST.

Christiansted Harbor, St. Croix, VI: Next predicted high tide is 0.80 ft (0.24 m) at 10/15/2008 09:10 AST.
Lameshur Bay, St. Johns, VI: Next predicted high tide is 0.93 ft (0.28 m) at 10/15/2008 09:36 AST.

Charlotte Amalie, VI: Next predicted high tide is 1.12 ft (0.34 m) at 10/15/2008 09:35 AST.

Culebra, PR: Next predicted high tide is 1.25 ft (0.38 m) at 10/15/2008 08:48 AST.

Vieques Island, PR: Next predicted high tide is 0.77 ft (0.23 m) at 10/15/2008 08:54 AST.

Magueyes Island, PR: Next predicted high tide is 0.90 ft (0.27 m) at 10/15/2008 10:26 AST.

Aguadilla, PR: Next predicted high tide is 1.58 ft (0.48 m) at 10/15/2008 08:30 AST.

San Juan, PR: Next predicted high tide is 2.10 ft (0.64 m) at 10/15/2008 09:19 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: ND

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE OMAR ADVISORY NUMBER 8

500 AM AST WED OCT 15 2008

OMAR CONTINUES SLOWLY NORTHEASTWARD EXPECTED TO STRENGTHEN

A HURRICANE WARNING IS IN EFFECT FOR THE U.S. VIRGIN ISLANDS AND THE ISLANDS OF VIEQUES AND CULEBRA.

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.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

A HURRICANE WARNING COULD BE REQUIRED FOR PUERTO RICO LATER TODAY.

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

AT 500 AM AST 0900Z THE CENTER OF HURRICANE OMAR WAS LOCATED NEAR
LATITUDE 14.6 NORTH LONGITUDE 67.7 WEST OR ABOUT 285 MILES 455 KM
SOUTH-SOUTHWEST OF SAN JUAN PUERTO RICO.

OMAR IS MOVING TOWARD THE NORTHEAST NEAR 7 MPH 11 KM/HR AND THIS MOTION IS
EXPECTED TO CONTINUE WITH A GRADUAL INCREASE IN FORWARD SPEED OVER THE
NEXT DAY OR TWO. ON THE FORECAST TRACK OMAR WOULD MOVE THROUGH THE
NORTHERN LEEWARD ISLANDS TONIGHT AND EARLY THURSDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 75 MPH 120 KM/HR WITH HIGHER GUSTS. OMAR
IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON SCALE. STRENGTHENING IS
FORECAST DURING THE NEXT 24 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 15 MILES 30 KM FROM THE
CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES 165
KM.

THE MINIMUM CENTRAL PRESSURE PRESSURE ESTIMATED FROM AIR FORCE
HURRICANE HUNTER AIRCRAFT OBSERVATIONS IS 985 MB 29.09 INCHES.

OMAR IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 4 TO 8 INCHES OVER
PORTIONS OF THE NETHERLANDS ANTILLES WITH MAXIMUM AMOUNTS OF 12 INCHES
POSSIBLE. RAINFALL AMOUNTS OF 2 TO 4 INCHES WITH MAXIMUM AMOUNTS OF 6
INCHES ARE POSSIBLE ACROSS EXTREME NORTHWESTERN AND NORTH-CENTRAL
VENEZUELA AND THE NORTHERN GUAJIRA PENINSULA. TOTAL RAINFALL AMOUNTS OF
5 TO 10 INCHES WITH MAXIMUM AMOUNTS UP TO 20
INCHES WILL BE POSSIBLE ACROSS PUERTO RICO AND THE NORTHERN LEEWARD
ISLANDS. THESE RAINS COULD PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD
SLIDES.

COASTAL STORM SURGE FLOODING OF 1-2 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. 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 PASCH

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.
Lime Tree Bay, VI - Station Map

Last Observed Sample: 10/15/2008 06:06 (AST)
Relative to MLLW: Observed: 0.94 ft. Predicted: 0.72 ft. Residual: 0.22 ft.
Historical Maximum Water Level: 11/17/1999, 1.88 ft. above MHHW

Barometric Pressure: 1008.8 mb
Christiansted Harbor, St Croix, VI - Station Map

- Last Observed Sample: 10/15/2008 06:06 (AST)
- Relative to MLLW: Observed: 1.02 ft. Predicted: 0.56 ft. Residual: 0.46 ft.
- Historical Maximum Water Level: 10/13/2006, 0.73 ft. above MHHW

Christiansted Harbor, St Croix, VI - Station Map

- Last Observed Sample: 10/15/2008 06:00 (AST)
- Wind Speed: 2 knots Gusts: 3 knots Direction: 117° T
Christiansted Harbor, St Croix, VI - Station Map

Last Observed Sample: 10/15/2008 06:00 (AST)
Barometric Pressure: 1008.6 mb

Lameshur Bay, St. John, VI - Station Map

Last Observed Sample: 10/15/2008 06:06 (AST)
Relative to MLLW: Observed: 0.95 ft. Predicted: 0.46 ft. Residual: 0.49 ft.
Historical Maximum Water Level: n/a
Lameshur Bay, St. John, VI - Station Map

Barometric Pressure Plot
9751381 Lameshur Bay, St. John, VI
from 10/13/2008 06:13 - 10/15/2008 05:18

Barometric Pressure: 1008.1 mb

Last Observed Sample: 10/15/2008 06:06 (AST)

Charlotte Amalie, VI - Station Map

Preliminary 6 min. Water Level vs. Predicted Plot
9751539 Charlotte Amalie, VI
from 10/13/2008 06:13 - 10/15/2008 05:18

Relative to MLLW:
- Observed: 0.96 ft.
- Predicted: 0.75 ft.
- Residual: 0.21 ft.

Historical Maximum Water Level: 09/16/1995, 2.93 ft. above MHHW
Hurricane OMAR QuickLook, POSTED 06:00 AST 10/15/2008

**Charlotte Amalie, VI - Station Map**

Last Observed Sample: 10/15/2008 05:54 (AST)

**Wind Speed:** 3 knots  
**Gusts:** 6 knots  
**Direction:** 097° T

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**Barometric Pressure Plot**

Last Observed Sample: 10/15/2008 05:54 (AST)

**Barometric Pressure:** 1008.2 mb
Culebra, PR - Station Map

Relative to MLLW: Observed: 1.17 ft. Predicted: 0.77 ft. Residual: 0.40 ft.
Historical Maximum Water Level: 11/06/2006, 0.86 ft. above MHHW

Esperanza, Vieques Island, PR - Station Map

Relative to MLLW: Observed: 0.92 ft. Predicted: 0.55 ft. Residual: 0.37 ft.
Historical Maximum Water Level: 10/13/2006, 0.83 ft. above MHHW
Magueyes Island, PR - Station Map

Last Observed Sample: 10/15/2008 06:06 (AST)
Relative to MLLW: Observed: 0.85 ft. Predicted: 0.66 ft. Residual: 0.19 ft.
Historical Maximum Water Level: 09/22/1998, 1.6 ft. above MHHW

Wind Speed: 2 knots Gusts: 5 knots Direction: 034° T
Magueyes Island, PR - Station Map

NOAA/NOS/C0-DPS
Barometric Pressure Plot
9759110 Magueyes Island, PR
from 10/13/2008 06:13 - 10/15/2008 05:18

Last Observed Sample: 10/15/2008 05:54 (AST)
Barometric Pressure: 1007.9 mb

Aguadilla, PR - Station Map

NOAA/NOS/C0-DPS
Preliminary 6 min. Water Level vs. Predicted Plot
5759412 Aguadilla, PR
from 10/13/2008 06:13 - 10/15/2008 05:18

Relative to MLLW: Observed: 1.56 ft. Predicted: 1.06 ft. Residual: 0.50 ft.
Historical Maximum Water Level: 10/28/2007, 0.95 ft. above MHHW
San Juan, PR - Station Map

Last Observed Sample: 10/15/2008 06:06 (AST)

Relative to MLLW:
- Observed: 1.35 ft.
- Predicted: 1.21 ft.
- Residual: 0.14 ft.

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

San Juan, PR - Station Map

Last Observed Sample: 10/15/2008 06:06 (AST)

Wind Speed: 4 knots
Gusts: 5 knots
Direction: 174° T
San Juan, PR - Station Map

Return to List

Last Observed Sample: 10/15/2008 06:06 (AST)

Barometric Pressure: 1008.3 mb

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