As of 07/09/2013 12:00 AST, water levels in the U.S. Virgin Islands and Puerto Rico continue to track between 0.1 and 0.4 feet above predicted tide levels. Winds are light across the region, and barometric pressure is slowly increasing.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur. Water level predictions relative to Mean Lower Low Water are:

Lameshur Bay, St. John, VI: Next predicted high tides are 0.9 ft (0.26 m) at 07/09/2013 22:31 AST and 0.8 ft (0.26 m) at 07/10/2013 22:55 AST.

Lime Tree Bay, VI: Next predicted high tides are 0.7 ft (0.23 m) at 07/09/2013 23:11 AST and 0.7 ft (0.22 m) at 07/10/2013 23:18 AST.
Charlotte Amalie, VI: Next predicted high tides are 0.8 ft (0.25 m) at 07/09/2013 22:35 AST and 0.8 ft (0.25 m) at 07/10/2013 22:56 AST.

Esperanza, Vieques Island, PR: Next predicted high tides are 0.8 ft (0.24 m) at 07/09/2013 22:20 AST and 0.8 ft (0.23 m) at 07/10/2013 22:34 AST.

Yabucoa Harbor, PR: Next predicted high tides are 0.7 ft (0.20 m) at 07/09/2013 22:31 AST and 0.6 ft (0.19 m) at 07/10/2013 22:37 AST.

Magueyes Island, PR: Next predicted high tides are 0.7 ft (0.22 m) at 07/09/2013 23:11 AST and 0.7 ft (0.21 m) at 07/10/2013 23:23 AST.

Mayaguez, PR: Next predicted high tides are 1.3 ft (0.41 m) at 07/09/2013 22:05 AST and 0.9 ft (0.27 m) at 07/10/2013 09:58 AST.

Mona Island, PR: Next predicted high tides are 0.9 ft (0.26 m) at 07/09/2013 21:54 AST and 0.8 ft (0.26 m) at 07/10/2013 22:22 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: TKM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM CHANTAL ADVISORY NUMBER 7
NWS NATIONAL HURRICANE CENTER MIAMI FL AL032013
1100 AM AST TUE JUL 09 2013

...CHANTAL MOVING BETWEEN MARTINIQUE AND ST. LUCIA...

WATCHES AND WARNINGS
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SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...
* PUERTO RICO

A TROPICAL STORM WATCH IS IN EFFECT FOR...
* U.S. VIRGIN ISLANDS
* VIEQUES AND CULEBRA

INTERESTS IN THE REMAINDER OF THE NORTHERN LEEWARD ISLANDS SHOULD MONITOR THE PROGRESS OF CHANTAL.

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
DISCUSSION AND 48-HOUR OUTLOOK
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AT 1100 AM AST...1500 UTC...DATA FROM A RECONNAISSANCE PLANE... BARBADOS AND MARTINIQUE RADAR INDICATE THAT THE CENTER OF TROPICAL STORM CHANTAL WAS LOCATED NEAR LATITUDE 14.4 NORTH...LONGITUDE 61.5 WEST. CHANTAL IS MOVING RAPIDLY TOWARD THE WEST-NORTHWEST NEAR 29 MPH...AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK...THE CENTER OF CHANTAL WILL MOVE AWAY FROM THE LESSER ANTILLES LATER TODAY AND CONTINUE OVER THE EASTERN CARIBBEAN SEA THIS AFTERNOON AND TONIGHT. CHANTAL IS EXPECTED TO BE NEAR OR OVER THE DOMINICAN REPUBLIC ON WEDNESDAY.

MAXIMUM SUSTAINED WINDS ARE HAVE INCREASED TO NEAR 60 MPH...95 KM/H. WITH HIGHER GUSTS. THESE WINDS ARE CONFINED TO A SMALL AREA TO THE NORTHEAST OF THE CENTER. SOME ADDITIONAL INCREASE IN STRENGTH IS POSSIBLE BEFORE CHANTAL MOVES OVER HISPANIOLA.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 90 MILES...150 KM TO THE NORTHEAST OF THE CENTER. TRINITY CARABELLE IN THE NORTHEAST TIP OF MARTINIQUE RECENTLY REPORTED WINDS OF NEAR 60 MPH...95 KM/H.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1006 MB...29.71 INCHES.

HAZARDS AFFECTING LAND
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WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO CONTINUE OVER PORTIONS OF THE WINDWARD ISLANDS DURING THE NEXT SEVERAL HOURS...AND REACH PUERTO RICO TONIGHT OR EARLY WEDNESDAY. TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE SOUTHEASTERN PORTION OF THE DOMINICAN REPUBLIC BY WEDNESDAY MORNING. TROPICAL STORM CONDITIONS ARE POSSIBLE IN HAITI BY LATE WEDNESDAY.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IN THE LEEWARD ISLANDS...WINDWARD ISLANDS...AND PUERTO RICO. A STORM SURGE WILL ALSO RAISE WATER LEVELS BY AS MUCH AS 2 TO 4 FEET ABOVE NORMAL TIDE LEVELS ALONG THE SOUTHERN COAST OF THE DOMINICAN REPUBLIC AND 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS ALONG THE ENTIRE NORTHERN COAST OF HISPANIOLA. THE SURGE WILL BE ACCOMPANYED BY DANGEROUS WAVES.

RAINFALL...CHANTAL IS EXPECTED TO PRODUCE RAIN ACCUMULATIONS OF 2 TO 4 INCHES OVER THE LEEWARD AND WINDWARD ISLANDS. 3 TO 6 INCHES ARE EXPECTED OVER PUERTO RICO...THE U.S. VIRGIN ISLANDS...AND PORTIONS OF THE DOMINICAN REPUBLIC AND HAITI...WITH MAXIMUM AMOUNTS OF 8 INCHES POSSIBLE.
FORECASTER AVILA

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.

Last Observed Sample: 07/09/2013 11:48 (AST)
Relative to MLLW: Observed: 0.33 ft.  Predicted: 0.04 ft.  Residual: 0.29 ft.
Historical Maximum Water Level: Aug 30 2010, 1.71 ft. above MLLW

Barometric Pressure: 1018.5 mb
Lime Tree Bay, VI - Return to List

Last Observed Sample: 07/09/2013 11:42 (AST)
Relative to MLLW: Observed: 0.15 ft. Predicted: -0.06 ft. Residual: 0.21 ft.
Historical Maximum Water Level: Nov 17 1999, 2.59 ft. above MLLW

Lime Tree Bay, VI - Return to List

Last Observed Sample: 07/09/2013 11:42 (AST)
Wind Speed: 5 knots  Gusts: 16 knots  Direction: 102° T
Tropical Storm CHANTAL QuickLook, POSTED 12:00 AST 07/09/2013

Lime Tree Bay, VI - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
9751401 Lime Tree Bay, VI
from 07/07/2013 11:48 - 07/10/2013 11:48

Barometric Pressure: 1017.3 mb

Charlotte Amalie, VI - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9751639 Charlotte Amalie, VI
from 07/07/2013 11:48 - 07/10/2013 11:48

Relative to MLLW: Observed: 0.32 ft. Predicted: 0.04 ft. Residual: 0.28 ft.
Historical Maximum Water Level: Sep 16 1995, 3.72 ft. above MLLW
Charlotte Amalie, VI - Return to List

Last Observed Sample: 07/09/2013 11:42 (AST)
Wind Speed: 9 knots Gusts: 16 knots Direction: 80° T

Barometric Pressure: 1018.8 mb
Esperanza, Vieques Island, PR - Return to List

Last Observed Sample: 07/09/2013 11:48 (AST)
Relative to MLLW: Observed: 0.25 ft. Predicted: -0.03 ft. Residual: 0.28 ft.
Historical Maximum Water Level: Aug 22 2011, 1.78 ft. above MLLW

Esperanza, Vieques Island, PR - Return to List

Last Observed Sample: 07/09/2013 11:48 (AST)
Wind Speed: 12 knots Gusts: 18 knots Direction: 112° T
Esperanza, Vieques Island, PR - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
9752695 Esperanza, Vieques Island, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Barometric Pressure: 1018.2 mb

Last Observed Sample: 07/09/2013 11:48 (AST)

Yabucoa Harbor, PR - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9754228 Yabucoa Harbor, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Relative to MLLW: Observed: 0.18 ft. Predicted: -0.14 ft. Residual: 0.32 ft.

Historical Maximum Water Level: n/a
Magueyes Island, PR - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9799110 Magueyes Island, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Last Observed Sample: 07/09/2013 11:42 (AST)
Relative to MLLW: Observed: 0.23 ft. Predicted: -0.04 ft. Residual: 0.27 ft.
Historical Maximum Water Level: Sep 22 1998, 2.26 ft. above MLLW

Magueyes Island, PR - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
9799110 Magueyes Island, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Last Observed Sample: 07/09/2013 11:42 (AST)
Wind Speed: 10 knots Gusts: 14 knots Direction: 158° T
Magueyes Island, PR - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
9759910 Magueyes Island, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Last Observed Sample: 07/09/2013 11:42 (AST)
Barometric Pressure: 1017.1 mb

Mayaguez, PR - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9759394 Mayaguez, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Last Observed Sample: 07/09/2013 11:48 (AST)
Relative to MLLW: Observed: 0.77 ft. Predicted: 0.53 ft. Residual: 0.24 ft.
Historical Maximum Water Level: Jul 13 2010, 2.17 ft. above MLLW
Tropical Storm CHANTAL QuickLook, POSTED 12:00 AST 07/09/2013

Mayaguez, PR - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
5/59394 Mayaguez, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Last Observed Sample: 07/09/2013 11:48 (AST)
Wind Speed: 6 knots Gusts: 9 knots Direction: 67° T

Mayaguez, PR - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
5/59394 Mayaguez, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Last Observed Sample: 07/09/2013 11:48 (AST)
Barometric Pressure: 1024.1 mb
Tropical Storm CHANTAL QuickLook, POSTED 12:00 AST 07/09/2013

Mona Island, PR - Return to List

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
9799938 Mona Island, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Last Observed Sample: 07/09/2013 11:48 (AST)
Relative to MLLW: Observed: 0.11 ft. Predicted: -0.09 ft. Residual: 0.20 ft.
Historical Maximum Water Level: Dec 23 2010, 2.06 ft. above MLLW

Mona Island, PR - Return to List

NOAA/NOS/CO-OPS
Barometric Pressure Plot
9799938 Mona Island, PR
from 07/07/2013 11:48 - 07/10/2013 11:48

Last Observed Sample: 07/09/2013 11:48 (AST)
Barometric Pressure: 1017.6 mb

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