As of 08/02/2011 00:00 AST, water levels in the U.S. Virgin Islands and Puerto Rico are at or near predictions and range between 0.0 to 0.5 ft above predicted. Winds are steady, with gusts between 10 to 20 knots. Barometric pressure is steady across the region.

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 tides are 0.68 ft (0.21 m) at 08/02/2011 23:17 AST and 0.47 ft (0.14 m) at 08/03/2011 09:59 AST.

Lameshur Bay, VI: Next predicted high tides are 0.46 ft (0.14 m) at 08/02/2011 11:33 AST and 0.75 ft (0.23 m) at 08/03/2011 00:10 AST.
Charlotte Amalie, VI: Next predicted high tides are 0.55 ft (0.17 m) at 08/02/2011 11:19 AST and 0.79 ft (0.24 m) at 08/02/2011 23:53 AST.

Esperanza, PR: Next predicted high tides are 0.43 ft (0.13 m) at 08/02/2011 08:57 AST and 0.64 ft (0.19 m) at 08/02/2011 23:03 AST.

Magueyes Island, PR: Next predicted high tides are 0.67 ft (0.20 m) at 08/02/2011 23:13 AST and 0.62 ft (0.19 m) at 08/03/2011 22:10 AST.

Mayaguez, PR: Next predicted high tides are 0.94 ft (0.29 m) at 08/02/2011 11:32 AST and 1.10 ft (0.33 m) at 08/02/2011 23:58 AST.

Mona Island, PR: Next predicted high tides are 0.44 ft (0.13 m) at 08/02/2011 10:56 AST and 0.70 ft (0.21 m) at 08/02/2011 23:28 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:CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM EMILY ADVISORY NUMBER   2
1100 PM AST MON AUG 01 2011

...EMILY CONTINUES MOVING QUICKLY WESTWARD...EXPECTED TO STRENGTHEN GRADUALLY...

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

A TROPICAL STORM WARNING IS IN EFFECT FOR PUERTO RICO...VIEQUES AND CULEBRA
A TROPICAL STORM WATCH IS IN EFFECT FOR U.S. VIRGIN ISLANDS
A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN THE NEXT 36 HOURS.
A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

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.

DISCUSSION AND 48-HOUR OUTLOOK
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AT 1100 PM AST THE CENTER OF TROPICAL STORM EMILY WAS LOCATED ABOUT 105 MI W
OF DOMINICA AND ABOUT 290 MI SE OF SAN JUAN PUERTO RICO. EMILY IS MOVING
TOWARD THE WEST NEAR 17 MPH. A TURN TOWARD THE WEST-NORTHWEST AND A
GRADUAL DECREASE IN FORWARD SPEED ARE EXPECTED DURING THE NEXT 48 HOURS. ON
THE FORECAST TRACK...THE CENTER OF EMILY WILL MOVE ACROSS THE NORTHEASTERN
CARIBBEAN SEA TONIGHT AND APPROACH THE ISLAND OF HISPANIOLA TUESDAY NIGHT
AND WEDNESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH WITH HIGHER GUSTS. GRADUAL
STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 70 MILES MAINLY TO THE
NORTH OF THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1006 MB.

HAZARDS AFFECTING LAND
---------------------------------
WIND...TROPICAL STORM CONDITIONS ARE EXPECTED IN PUERTO RICO...CULEBRA AND
VIEQUES BY TUESDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE WATCH AREA
IN THE U.S. VIRGIN ISLANDS BY EARLY TUESDAY.

RAINFALL...TOTAL RAIN ACCUMULATIONS OF 4 TO 6 INCHES ARE EXPECTED IN PUERTO
RICO WITH ISOLATED MAXIMUM AMOUNTS OF 10 INCHES POSSIBLE. THESE RAINS COULD
CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES IN AREAS OF MOUNTAINOUS
TERRAIN.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY 1 TO 2 FEET ABOVE
NORMAL TIDE LEVELS IN THE TROPICAL STORM WARNING AREA. NEAR THE COAST...THE
SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

FORECASTER BRENNA
Last Observed Sample: 08/02/2011 00:00 (AST)

Relative to MLLW: Observed: 0.90 ft. Predicted: 0.74 ft. Residual: 0.16 ft.
Historical Maximum Water Level: Nov 17 1999, 1.88 ft. above MHHW

Wind Speed: 9 knots  Gusts: 16 knots  Direction: 67° T
NOAA/NOS/C0-CPS
Barometric Pressure Plot
951401 Lime Tree Bay, VI
From 07/31/2011 00:00 - 08/03/2011 00:00

Last Observed Sample: 08/02/2011 00:00 (AST)
Barometric Pressure: 1011.8 mb

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
951401 Lime Tree Bay, VI
From 07/31/2011 00:00 - 08/03/2011 00:00

Last Observed Sample: 08/02/2011 00:00 (AST)
Water Temperature: 85.1° F Air Temperature: 82.1° F
Lameshur Bay, St. John, VI - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9751381 Lameshur Bay, St. John, VI
from 07/31/2011 00:00 - 08/03/2011 00:00

<table>
<thead>
<tr>
<th>Date/Time (AST)</th>
<th>Height Relative to MLLW</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<td>08/02 24:00</td>
<td>0.0</td>
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<tr>
<td>08/03 00:00</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Last Observed Sample: 08/01/2011 23:54 (AST)
Relative to MLLW: Observed: 1.18 ft. Predicted: 0.79 ft. Residual: 0.39 ft.
Historical Maximum Water Level: Aug 30 2010, 0.9 ft. above MHHW

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

NOAA/NOS/C0-CPS
Barometric Pressure Plot
9751381 Lameshur Bay, St. John, VI
from 07/31/2011 00:00 - 08/03/2011 00:00

<table>
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<tr>
<th>Date/Time (AST)</th>
<th>Pressure (mb)</th>
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<tr>
<td>08/03 00:00</td>
<td>1012.8 mb</td>
</tr>
</tbody>
</table>

Last Observed Sample: 08/01/2011 23:54 (AST)
Barometric Pressure: 1012.8 mb
Tropical Storm EMILY QuickLook, POSTED 00:00 AST 08/02/2011

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

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
9751381 Lameshur Bay, St. John, VI
From 07/31/2011 00:00 - 08/03/2011 00:00

Water Temperature: 84.6° F  Air Temperature: 79.3° F

Charlotte Amalie, VI - Return to List

NOAA/NOS/C0-CPS
Preliminary 5 min. Water Level vs. Predicted Plot
3791639 Charlotte Amalie, VI
From 07/31/2011 00:00 - 08/03/2011 00:00

Relative to MLLW: Observed: 1.07 ft.  Predicted: 0.83 ft.  Residual: 0.24 ft.
Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above MHHW
Charlotte Amalie, VI - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
9751639 Charlotte Amalie, VI
From 07/31/2011 00:00 - 08/03/2011 00:00

Barometric Pressure: 1011.8 mb

Charlotte Amalie, VI - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
9751639 Charlotte Amalie, VI
From 07/31/2011 00:00 - 08/03/2011 00:00

Water Temperature: 85.4° F Air Temperature: 81.3° F
Esperanza, Vieques Island, PR - Return to List

Tropical Storm EMILY QuickLook, POSTED 00:00 AST 08/02/2011

--- Water Level Plot ---

<table>
<thead>
<tr>
<th>Date/Time (AST)</th>
<th>Height (feet relative to MLLW)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>08/02</td>
<td>0.97</td>
</tr>
<tr>
<td>08/03</td>
<td>0.97</td>
</tr>
</tbody>
</table>

Last Observed Sample: 08/01/2011 23:54 (AST)
Relative to MLLW: Observed: 0.97 ft. Predicted: 0.62 ft. Residual: 0.35 ft.
Historical Maximum Water Level: Oct 13 2006, 0.83 ft. above MHHW

--- Wind Speed/Gusts/Dir Plot ---

Last Observed Sample: 08/01/2011 23:54 (AST)
Wind Speed: 2 knots Gusts: 8 knots Direction: 76° T
Esperanza, Vieques Island, PR - Return to List

Barometric Pressure Plot
3752695 Esperanza, Vieques Island, PR
From 07/31/2011 00:00 - 08/03/2011 00:00

Barometric Pressure: 1013.7 mb

Esperanza, Vieques Island, PR - Return to List

Air/Water Temperature Plot
3752695 Esperanza, Vieques Island, PR
From 07/31/2011 00:00 - 08/03/2011 00:00

Water Temperature: 85.6° F Air Temperature: 76.1° F
Magueyes Island, PR - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9759110 Magueyes Island, PR
from 07/31/2011 00:00 - 08/03/2011 00:00

Last Observed Sample: 08/01/2011 23:48 (AST)
Relative to MLLW: Observed: 0.81 ft. Predicted: 0.73 ft. Residual: 0.08 ft.
Historical Maximum Water Level: Sep 22 1998, 1.6 ft. above MHHW

Magueyes Island, PR - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
9759110 Magueyes Island, PR
from 07/31/2011 00:00 - 08/03/2011 00:00

Last Observed Sample: 08/01/2011 23:48 (AST)
Wind Speed: 1 knots Gusts: 2 knots Direction: 70° T
Magueyes Island, PR - Return to List

Tropical Storm EMILY QuickLook, POSTED 00:00 AST 08/02/2011

Barometric Pressure Plot
9759110 Magueyes Island, PR
From 07/31/2011 00:00 - 08/03/2011 00:00

Last Observed Sample: 08/01/2011 23:54 (AST)
Barometric Pressure: 1013.6 mb

Magueyes Island, PR - Return to List

Air/Water Temperature Plot
9759110 Magueyes Island, PR
From 07/31/2011 00:00 - 08/03/2011 00:00

Last Observed Sample: 08/01/2011 23:48 (AST)
Water Temperature: 85.6° F Air Temperature: 78.8° F
Tropical Storm EMILY QuickLook, POSTED 00:00 AST 08/02/2011

Mayaguez, PR - Return to List

NOAA/NOS/C0-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
579394 Mayaguez, PR
from 07/31/2011 00:00 - 08/03/2011 00:00

Last Observed Sample: 08/01/2011 23:54 (AST)
Relative to MLLW: Observed: 1.40 ft. Predicted: 0.95 ft. Residual: 0.45 ft.
Historical Maximum Water Level: , 0 ft. above MHHW

Mayaguez, PR - Return to List

NOAA/NOS/C0-OPS
Wind Speed/Gusts/Dir
579394 Mayaguez, PR
from 07/31/2011 00:00 - 08/03/2011 00:00

Last Observed Sample: 08/01/2011 23:54 (AST)
Wind Speed: 3 knots Gusts: 4 knots Direction: 86° T
Mayaguez, PR - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
S759394 Mayaguez, PR
From 07/31/2011 00:00 - 08/03/2011 00:00

Barometric Pressure: 1017.2 mb

Last Observed Sample: 08/01/2011 23:54 (AST)

Tropical Storm EMILY QuickLook, POSTED 00:00 AST 08/02/2011

Mayaguez, PR - Return to List

NOAA/NOS/C0-CPS
Air/Water Temperature Plot
S759394 Mayaguez, PR
From 07/31/2011 00:00 - 08/03/2011 00:00

Water Temperature: 85.8° F Air Temperature: 80.4° F
Mona Island, PR - Return to List

Last Observed Sample: 08/01/2011 22:54 (AST)
Relative to MLLW: Observed: 0.95 ft. Predicted: 0.74 ft. Residual: 0.21 ft.
Historical Maximum Water Level: 0 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