Tropical Depression GABRIELLE QuickLook
Posted: 12:00 AST 09/05/2013

NOAA and NOAA Partnership Stations Relative to the Storm

As of 09/05/2013 12:00 AST, water levels across Puerto Rico and the U.S Virgin Islands are slightly elevated and range between 0.2 to 0.5 ft above predicted tide levels. Winds are abating along the southern coast of Puerto Rico and are measuring between 5 and 10 knots with slightly higher gusts. Elsewhere along the Puerto Rican coast, winds remain light.

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 (MLLW) are:

Christiansted Harbor, St Croix, VI: Next predicted high tides are 0.6 ft (0.19 m) at 09/05/2013 20:18 AST and 0.5 ft (0.16 m) at 09/06/2013 08:27 AST.
Esperanza, Vieques Island, PR: Next predicted high tides are 0.6 ft (0.17 m) at 09/05/2013 20:20 AST and 0.5 ft (0.15 m) at 09/06/2013 07:53 AST.

Yabucoa Harbor, PR: Next predicted high tides are 0.5 ft (0.16 m) at 09/05/2013 20:42 AST and 0.4 ft (0.13 m) at 09/06/2013 08:54 AST.

Magueyes Island, PR: Next predicted high tides are 0.7 ft (0.22 m) at 09/05/2013 20:54 AST and 0.6 ft (0.18 m) at 09/06/2013 08:56 AST.

Mayaguez, PR: Next predicted high tides are 1.4 ft (0.42 m) at 09/05/2013 20:51 AST and 1.3 ft (0.40 m) at 09/06/2013 09:09 AST.

Mona Island, PR: Next predicted high tides are 0.6 ft (0.19 m) at 09/05/2013 20:29 AST and 0.4 ft (0.13 m) at 09/06/2013 02:20 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 DEPRESSION GABRIELLE ADVISORY NUMBER 4
1100 AM AST Thu Sep 05 2013

...GABRIELLE DOWNGRADED TO A DEPRESSION...
...WARNINGS DISCONTINUED FOR PUERTO RICO...

WATCHES AND WARNINGS
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CHANGES WITH THIS ADVISORY...

ALL COASTAL WARNINGS AND WATCHES HAVE BEEN DISCONTINUED FOR PUERTO RICO.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WATCH IS IN EFFECT FOR...
* DOMINICAN REPUBLIC FROM CABO ENGANO TO CABO FRANCES VIEJO

INTERESTS ELSEWHERE IN HISPANIOLA...PUERTO RICO...THE SOUTHEASTERN BAHAMAS...AND THE TURKS AND CAICOS ISLANDS SHOULD MONITOR THE PROGRESS OF THIS SYSTEM.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.
DISCUSSION AND 48-HOUR OUTLOOK
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AT 1100 AM AST...1500 UTC...THE CENTER OF TROPICAL DEPRESSION GABRIELLE WAS LOCATED NEAR LATITUDE 17.5 NORTH...LONGITUDE 68.1 WEST. THE DEPRESSION IS MOVING TOWARD THE NORTHWEST NEAR 9 MPH...15 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOUR OR SO.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 35 MPH...55 KM/H...WITH HIGHER GUSTS. GABRIELLE HAS BECOME VERY POORLY ORGANIZED...AND IT IS EXPECTED TO DEGENERATE TO A REMNANT LOW PRESSURE AREA TONIGHT OR FRIDAY AS THE CENTER MOVES OVER THE DOMINICAN REPUBLIC.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1011 MB...29.85 INCHES BASED ON A COMBINATION OF AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT AND SURFACE DATA.

HAZARDS AFFECTING LAND
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RAINFALL...GABRIELLE IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 2 TO 4 INCHES OVER PUERTO RICO AND THE U.S. VIRGIN ISLANDS...WITH ISOLATED MAXIMUM AMOUNTS OF UP TO 8 INCHES POSSIBLE IN AREAS OF MOUNTAINOUS TERRAIN. THESE RAINS COULD CAUSE DANGEROUS FLASH FLOODS AND MUD SLIDES OVER MOUNTAINOUS TERRAIN.

WIND...TROPICAL-STORM-FORCE WIND GUSTS ARE POSSIBLE TODAY OVER PORTIONS OF PUERTO RICO AND THE VIRGIN ISLANDS.

FORECASTER BEVEN

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.
Christiansted Harbor, St Croix, VI - Return to List

Last Observed Sample: 09/05/2013 11:36 (AST)
Relative to MLLW: Observed: 0.67 ft. Predicted: 0.23 ft. Residual: 0.44 ft.
Historical Maximum Water Level: Oct 16 2008, 1.91 ft. above MLLW

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Christiansted Harbor, St Croix, VI - Return to List

Last Observed Sample: 09/05/2013 11:36 (AST)
Wind Speed: 4 knots Gusts: 7 knots Direction: 169° T
Christiansted Harbor, St Croix, VI - Return to List

NOAA/NESS/C0-OPS
Barometric Pressure Plot
9751364 Christiansted Harbor, St Croix, VI
from 09/03/2013 11:48 - 09/06/2013 11:48

Last Observed Sample: 09/05/2013 11:36 (AST)
Barometric Pressure: 1013.5 mb

Esperanza, Vieques Island, PR - Return to List

NOAA/NESS/C0-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
9752695 Esperanza, Vieques Island, PR
from 09/03/2013 11:48 - 09/06/2013 11:48

Last Observed Sample: 09/05/2013 11:42 (AST)
Relative to MLLW: Observed: 0.58 ft. Predicted: 0.20 ft. Residual: 0.38 ft.
Historical Maximum Water Level: Aug 22 2011, 1.78 ft. above MLLW
Esperanza, Vieques Island, PR - Return to List

**NOAA/NWS/C0-CPS**

**Wind Speed/Gusts/Dir**

9752695 Esperanza, Vieques Island, PR

from 09/03/2013 11:48 - 09/06/2013 11:48

- **Wind Speed:** 9 knots
- **Gusts:** 10 knots
- **Direction:** 183° T

Last Observed Sample: 09/05/2013 11:42 (AST)

**Barometric Pressure Plot**

9752695 Esperanza, Vieques Island, PR

from 09/03/2013 11:48 - 09/06/2013 11:48

- **Barometric Pressure:** 1013.3 mb

Last Observed Sample: 09/05/2013 11:42 (AST)
Yabucoa Harbor, PR - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9754229 Yabucoa Harbor, PR
from 09/03/2013 11:48 - 09/06/2013 11:48

Last Observed Sample: 09/05/2013 11:42 (AST)
Relative to MLLW: Observed: 0.59 ft. Predicted: 0.24 ft. Residual: 0.35 ft.
Historical Maximum Water Level: n/a

Yabucoa Harbor, PR - Return to List

NOAA/NOS/C0-CPS
Wind Speed/Gusts/Dir
9754229 Yabucoa Harbor, PR
from 09/03/2013 11:48 - 09/06/2013 11:48

Last Observed Sample: 09/05/2013 11:42 (AST)
Wind Speed: 0 knots Gusts: 0 knots Direction: 30° T
Magueyes Island, PR - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9/5/10 Magueyes Island, PR
from 09/03/2013 11:48 - 09/05/2013 11:48

Last Observed Sample: 09/05/2013 11:36 (AST)
Relative to MLLW: Observed: 0.63 ft. Predicted: 0.48 ft. Residual: 0.15 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
9/5/10 Magueyes Island, PR
from 09/03/2013 11:48 - 09/05/2013 11:48

Last Observed Sample: 09/05/2013 11:36 (AST)
Wind Speed: 4 knots Gusts: 8 knots Direction: 122° T
Magueyes Island, PR - Return to List

NOAA/NOS/C0-CPS
Barometric Pressure Plot
9799110 Magueyes Island, PR
from 09/03/2013 11:48 - 09/06/2013 11:48

Last Observed Sample: 09/05/2013 11:36 (AST)
Barometric Pressure: 1012.6 mb

Mayaguez, PR - Return to List

NOAA/NOS/C0-CPS
Preliminary 6 min. Water Level vs. Predicted Plot
9759394 Mayaguez, PR
from 09/03/2013 11:48 - 09/06/2013 11:48

Last Observed Sample: 09/05/2013 11:42 (AST)
Relative to MLLW: Observed: 0.84 ft. Predicted: 0.71 ft. Residual: 0.13 ft.
Historical Maximum Water Level: Jul 13 2010, 2.17 ft. above MLLW
Last Observed Sample: 09/05/2013 11:42 (AST)
Wind Speed: 9 knots  Gusts: 15 knots  Direction: 147° T

Last Observed Sample: 09/05/2013 11:42 (AST)
Barometric Pressure: 1019.5 mb
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Mona Island, PR - Return to List

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
9759938 Mona Island, PR
from 09/03/2013 11:48 - 09/06/2013 11:48

Relative to MLLW: Observed: 0.59 ft. Predicted: 0.23 ft. Residual: 0.36 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
9759938 Mona Island, PR
from 09/03/2013 11:48 - 09/06/2013 11:48

Barometric Pressure: 1011.9 mb

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