

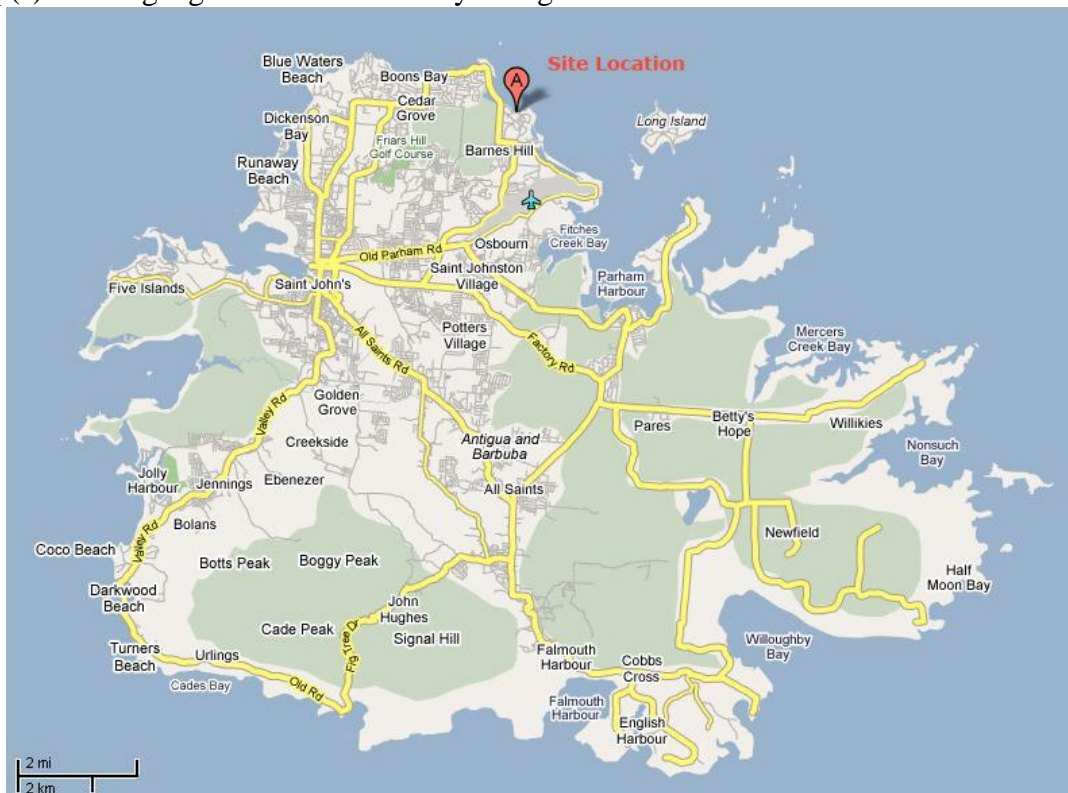
## Sea Level Stations Operations in Antigua and Barbuda

1. Date of report: March 1, 2018
2. Title: Report on Sea Level Stations Operations in Antigua and Barbuda
3. Name(s), address(es), tel/fax/emails of the authors

Melorne Mack, Sr Technical Officer  
Antigua and Barbuda Meteorological Service  
V.C. Bird International Airport  
St. Johns  
Antigua and Barbuda  
[melorne@gmail.com](mailto:melorne@gmail.com); [melorne.mack@ab.gov.ag](mailto:melorne.mack@ab.gov.ag)

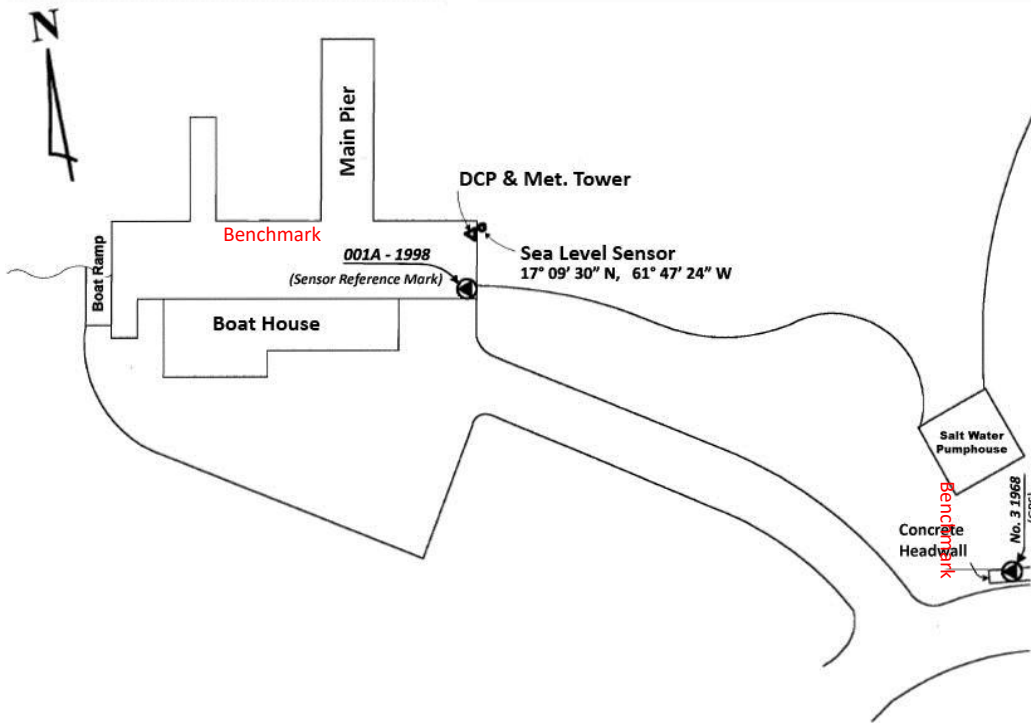
Other technician  
Angelique Nathan, Technical Officer  
Antigua and Barbuda Meteorological Service  
V.C. Bird International Airport  
St. Johns  
Antigua and Barbuda  
Email: [pearl\\_angelz@hotmail.com](mailto:pearl_angelz@hotmail.com)

4. Map(s) of tide gauge network in country or region



Map of Antigua

Location of Station - Parham (Camp Blizzard), Antigua



BENCHMARK SKETCH		FIELD UNIT	DRAWN BY	DATE
STATION NAME		NOS/CO-OPS/FOD/ARO	Dave Hatcher	July 14, 2011
STATION NUMBER			REVISED BY	DATE
Barbuda		976-1115		
		LATITUDE	N 17 35' 26.5 "	LONGITUDE
		NOAA CHART #	NGA Chart # 25570	USGS QUAD
				No Map Found



### 5. Tide gauge station

Name:	Parham (Camp Blizzard), Antigua
Station Code:	N/A
Lat	17.15000 N
Long	61.78330 W
Date Installed	Initially installed (CPAC) in July 1998; Retrofitted (CCCCC) January 2009.
Status	Non-Operational
Operator:	Antigua and Barbuda Meteorological Service

Name:	976-1115 Barbuda
Station Code:	976-1115 Barbuda
Lat	17 35' 26.5" N
Long	061 49' 14.0" W
Date Installed	06/14/2011
Status	Transmitting. air_pressure, air_temperature, sea_surface_height_amplitude_due_to_equilibrium_ocean_tide, sea_water_temperature, water_surface_height_above_reference_datum <b>(Wind data not transmitting due to hurricane)</b>
Operator:	NOAA National Ocean Service, Antigua and Barbuda Meteorological Service

### 6. An overview of the gauge technology employed in the station

#### Antigua

Communications	GOES
GOES PID	14022214
WMO Header:	N/A
GOES Channel	79
Transmit Period	1 Hour
Sampling Rate	6 minutes
GLOSS Station ID	N/A
DCP	Microm SDI 12 Bus
GPS (timing)	YES
GPS (high precision for positioning)	YES
Sensor #1	Aquatrak 5000 Transducer Sensor
Sensor #2	N/A
Sensor #3	N/A
Met Sensors	Vaisala Integrated WXT 510 (Wind Speed and Direction, Barometric)

## Barbuda

Communications	GOES
GOES PID	334550D8
WMO Header:	SXXX03
GOES Channel	65
Transmit Period	6 min
Sampling Rate	180 samples/6 min
GLOSS Station ID	N/A
DCP	Sutron XPERT 2
GPS	No
Sensor #1	Paroscientific Pressure Sensor
Met Sensors	Sutron Baro, RM Young Dual Wind, YSI Air and Water Thermister

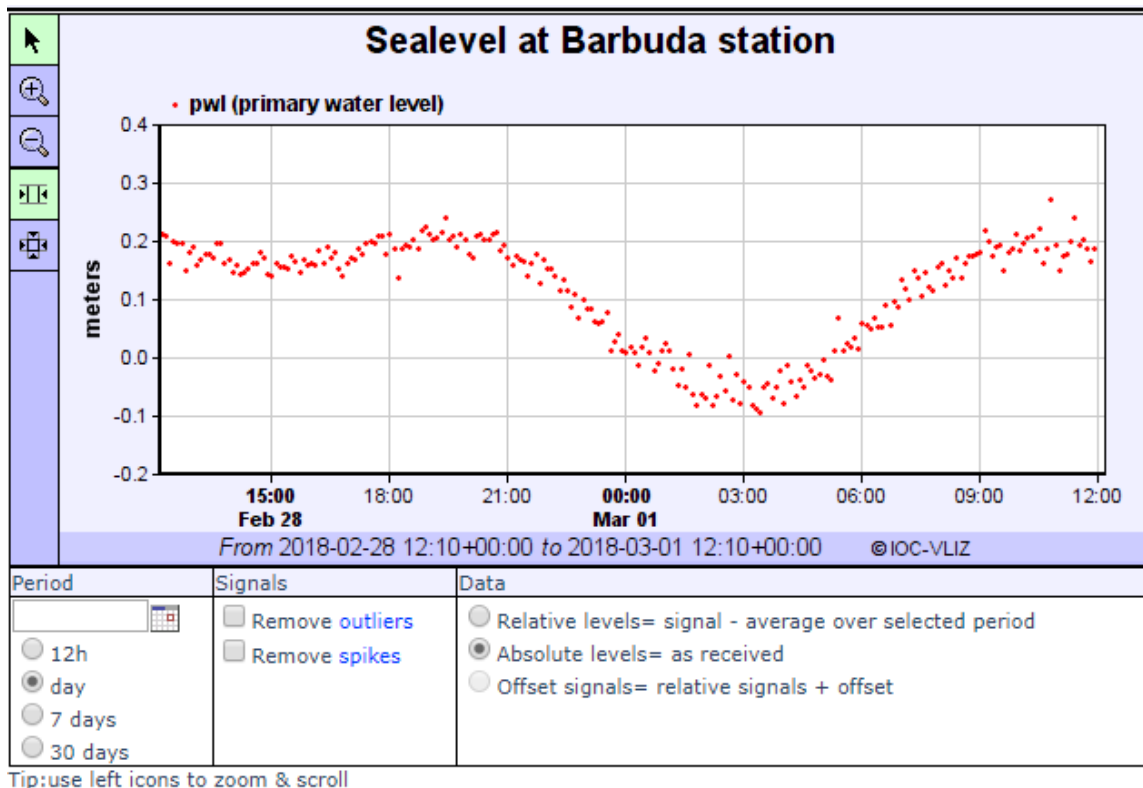
7. Leveling Station Parham (Camp Blizzard), Antigua. Two (2) Benchmarks were installed in July 1998 and was last leveled in July 1998.

Leveling: 10 Benchmarks were installed in 2011. Was leveled in June 2011. More recent check leveling was conducted in December 2011

8. An overview of the data availability

The data of the Parham (Camp Blizzard), Antigua Station is NOT currently available on any website.

The data is available



9. Web, email etc. addresses of data banks and of sources of further information

**Barbuda**

[www.Tidesandcurrents.noaa.gov](http://www.Tidesandcurrents.noaa.gov)

[www.Tidesandcurrents.noaa.gov/tsunami](http://www.Tidesandcurrents.noaa.gov/tsunami)

<http://tidesonline.nos.noaa.gov/>

<http://opendap.co-ops.nos.noaa.gov/content/>

<http://www.ioc-sealevelmonitoring.org/map.php>

10. Future Plans.

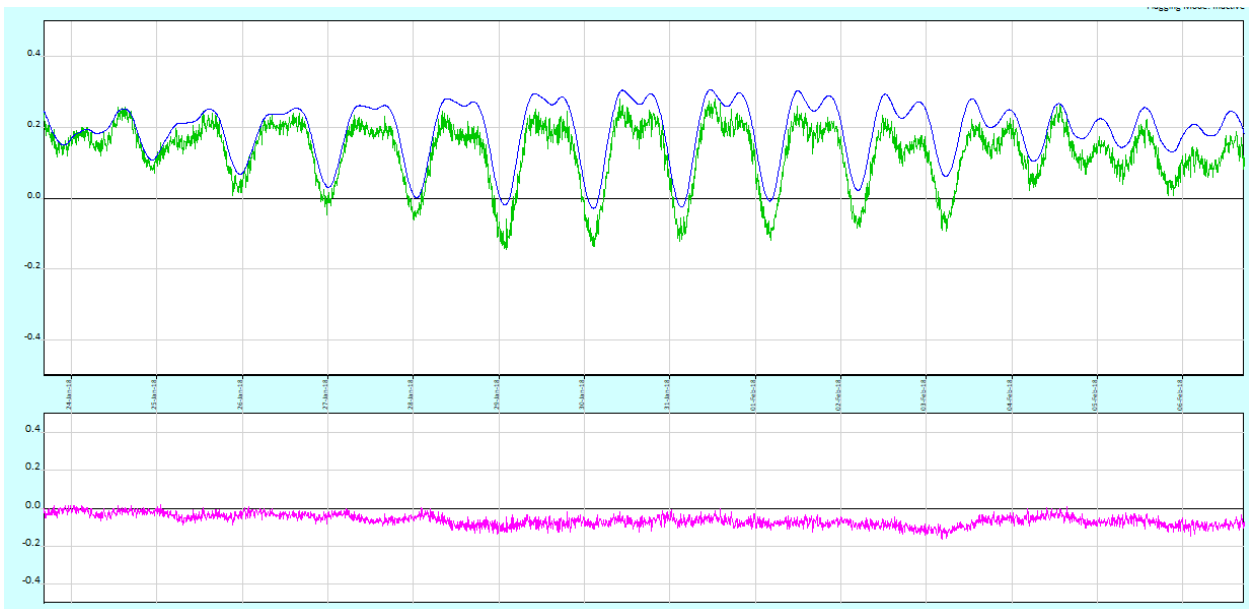
**Antigua**

Try to repair/replace station. Seek assistance and funding to get this station up and running since there is no other sea level station on the main island.

**Barbuda**

Continued partnership for operation with Antigua and Barbuda Meteorological Services. Replace wind sensor which were damaged by hurricane Irma. Seek funding to help maintain this station.







# 60 Minute Predictions for BARBUDA

Time Zone: +0400

