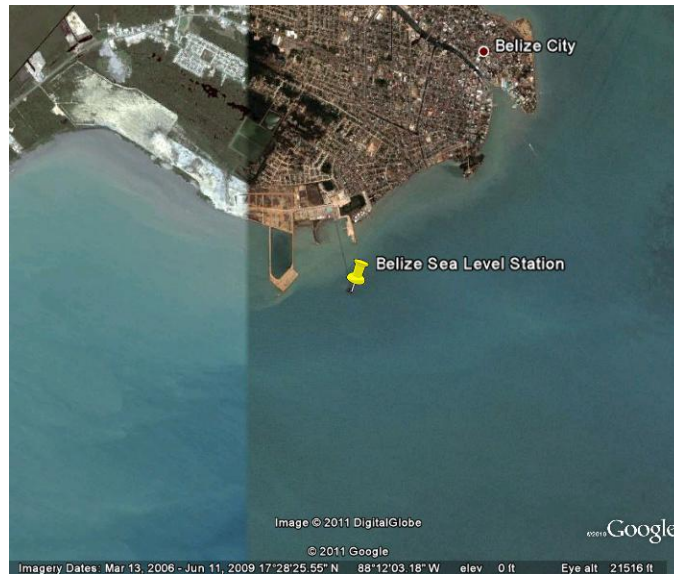


## Sea Level Station Operations in Belize

1. Date of report: January 26, 2011
2. Title: Report on Sea Level Station Operations in Belize
3. Name(s), address(es), tel/fax/emails of the authors  
Dwayne A. Scott, Electronic Technician  
National Meteorological Service,  
Phillip Goldson International Airport  
501 – 205 – 2669 (H)  
501 – 225 – 2011 (O)  
501 – 621 – 8969 (M) [dscott@hydromet.gov.bz](mailto:dscott@hydromet.gov.bz)
4. Map(s) of tide gauge network in country or region





### 5. Tide gauge station

Name:	Belize
Station Code:	bzpt
Lat	17.4794 N
Long	88.2028 W
Date Installed	1998, Upgraded in 2008, by Albert Jones (Retired)
Status	Transmitting. Sea level and precipitation sensors needs to be verified.
Operator:	National Meteorological Service (need to confirm with CCCCC)

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

Communications	GOES
GOES PID	1402611E
WMO Header: N/A	
GOES Channel	79
Transmit Period	1 Hour
Sampling Rate	6 min
GLOSS Station ID	N/A
DCP	Microcom SDI 12 Bus
GPS	Yes
Sensor #1	Aquatrak 5000 w/ integrated Cal/range Temperatures
Met Sensors	Vaisala WXT 510 (AT, Pressure, Relative Humidity, Wind Direction, Wind Speed, Precipitation)

7. Leveling: 3 Benchmarks were installed in 1998. Was leveled in 198. More recent leveling was also conducted according to Caribbean Institute of Meteorology and Hydrology (Marvin Forde), need to verify locally where the records are.

8. An overview of the data availability

The data is processed and is available on the website <http://lighthouse.tamucc.edu/qc/195>

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

Mr. Dennis Gonguez  
Chief Meteorologist  
National Meteorological Service  
dgonguez@hydromet.gov.bz  
<http://hydromet.gov.bz>

10. Future Plans.

Verify leveling and sea level and precipitation sensors. Evaluate for potential upgrade to 5 minute transmissions and 1 minute sea level data. WMO header has been requested to the PTWC by the NOAA/NWS Caribbean Tsunami Warning Program. Once WMO header is obtained, data can be integrated into the IOC Sea Level Monitoring Facility and the Tsunami Warning Centers.