

Sea Level Operations in XXX

- No. of stations installed - **4**
- No of stations operational - **None**
- Operating organisation – **UK Hydrographic Office**
- Contact person - **Nathanael Knapp**
- Person responsible for Maintenance and Repairs – **Ocean Wise and LSD Team**
- Technologies used – **Radar and Pressure**
- Frequency of levelling and technique used - **Optical level, Campaign GPS**
- Weblink to data:
<https://www.ioc-sealevelmonitoring.org/list.php>

- Map of sea level stations



Typical Station

- Station Name - [CAGB](#)
- Lat and Lon –
[19.312283, -81.089491](#)
- Sensors – [aqu](#) - Aquatrak (brand) and Radar
- Sampling rate – [1 min](#)
- Telemetry method – [GTS message \(SOTI10\)](#)
- Transmit period – [12 hours](#)

- Photograph of a typical station



Gun Bay Public Dock in East End

Future Plans

- The government is looking at installing 4 new tide gauges across the Cayman islands.
- Two in Grand Cayman, one in Cayman Brac and one in Little Cayman.

Technology Issues

- Identifying the suitable Tide Gauge for Hurricane prone areas but Radar is recommended.
- Installation setup to ensure security of the tide gauge.
- Means of technology used to do an educational campaign on the importance of Tide Gauges