

Port Sonara Tide Gauge

Site of Gauge:

The tide gauge is located in the Sonara company harbour, close to Port Lime, on a foundation (“Vérole 21”) of the Poste des Caboteurs pier at AP1, Wharf 1.

Summary:

Station Name:	Port Sonara
Country:	Cameroon
Latitude of measuring point:	4.005786° N
Longitude of measuring point:	9.125922° E
Time Reference:	GMT (hours 00-23)
Contributor:	Société National de Raffinage
Observational period:	20 June 2008 to 30 April 2010

Instrumentation:

Primary Channel:	OTT Kalesto Radar Sensor
Secondary Channels:	2 x OTT ODS4-K Pressure Sensors

Datum Information:

The tide gauge has not yet been levelled into the local datum network, so data are uncalibrated heights from the Kalesto sensor. Benchmark heights are given relative to an estimation of local Chart Datum.

Benchmarks:

Benchmark	Description
Foundation (pile 21)	Top of foundation where tide gauge is located

Datum Relationships:

Estimated Chart Datum = 4.2m below top of Foundation (pile 21)

Quality Assessment

All data have been compared with the current Harmonic Constants library, and residuals checked. Records have been visually inspected for spikes, datum shifts and timing errors.

Large gaps appear in the data over the following intervals

Missing data start (dd/mm/yyyy HH:MM)	Missing data end (dd/mm/yyyy HH:MM)
20/06/08 07:54	23/06/2008 10:53

20/07/08 05:39
28/09/08 14:38
21/10/08 10:16
01/12/08 14:37
13/03/09 06:05
13/05/09 08:39
08/10/09 23:49

20/09/08 18:54
02/10/08 15:32
25/10/08 21:37
15/12/08 11:20
17/03/09 08:38
25/05/09 07:53
12/10/09 14:23