

# Pointe Noire Tide Gauge

## **Site of Gauge:**

The tide gauge is located in Pointe Noire harbour at the west end of the jetty, close to the green light tower at the harbour entrance.

## **Summary:**

Station Name:	Pointe Noire
Country:	Republic of Congo
Latitude of measuring point:	4° 47' S
Longitude of measuring point:	11° 50' E
Time Reference:	GMT (hours 00-23)
Contributor:	Port Autonome de Pointe Noire
Observational period:	10 September 2008 to 30 April 2010

## **Instrumentation:**

Primary Channel:	OTT Kalesto Radar Sensor
Secondary Channel:	OTT ODS4-K Pressure Sensor

## **Datum Information:**

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

## **Benchmarks:**

<b>Benchmark</b>	<b>Description</b>
Benchmark "A"	Close to green light tower
Benchmark "B"	Close to green light tower
Benchmark "C"	In stairs in front of former tide gauge house, at beginning of west jetty

## **Datum Relationships:**

Chart Datum = 3.594m below Benchmark "A"

Chart Datum = 3.252m below Benchmark "B"

Chart Datum = 2.646m below Benchmark "C"

## **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

<b>Missing data start (dd/mm/yyyy HH:MM)</b>	<b>Missing data end (dd/mm/yyyy HH:MM)</b>
04/10/2008 10:54	07/10/2008 13:09
11/10/2008 10:53	20/10/2008 10:54
02/01/2009 15:55	07/01/2009 08:24
02/03/2009 09:55	09/03/2009 09:09
17/04/2009 15:24	20/04/2009 18:39
13/05/2009 08:25	25/05/2009 08:09
28/04/2010 12:40	18/05/2010 09:39