

# Karachi Tide Gauge

## **Site of Gauge:**

The tide gauge is located in Karachi harbour, opposite Manora Island.

## **Summary:**

|                               |                                       |
|-------------------------------|---------------------------------------|
| Station Name:                 | Karachi                               |
| Country:                      | Pakistan                              |
| Latitude of measuring point:  | 24° 48.7' N                           |
| Longitude of measuring point: | 66° 58.5' E                           |
| Time Reference:               | GMT (hours 00-23)                     |
| Contributor:                  | Pakistan Navy Hydrographic Department |
| Observational period:         | 31 January 2007 to 30 April 2010      |

## **Instrumentation:**

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

## **Datum Information:**

All data refer to local Chart Datum.

## **Benchmarks:**

| <b>Benchmark</b> | <b>Description</b>                          |
|------------------|---|
| BM-1             |   |
| BM-2             |   |
| BM-3             | Main Tide Gauge Benchmark                   |
| BM-4             |   |
| BM-5             |   |
| Old TGBM         | Old Tide Gauge Benchmark – on Manora Island |

## **Datum Relationships:**

TGZ = Chart Datum

TGZ = 5.497 below BM-1

TGZ = 5.594 below BM-2

TGZ = 5.094m below BM-3

TGZ = 4.832m below BM-4

TGZ = 4.549m below BM-5

TGZ = 4.392m below Old TGBM

### ***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> |
|--|--|
| 17/08/2008 03:13                             | 25/08/2008 06:12                           |