

Deployment 53401_0708

(NDBC 53401 - Indonesia)

Location

Latitude: 0.05

Longitude: 91.899

Depth: 4530 m

Ocean region: 3.1 - Indian Ocean (East)

Time Span

Start Date: 2007-09-26

End Date: 2008-03-13

Notes

BPR owned and maintained by Indonesian Agency for Assessment and Application of Technology (BPPT).

For tsunameter data from the NDBC (largely from the Deep-Ocean and Reporting of Tsunamis network), information regarding deployment and recovery dates is limited. Therefore, annual files of quality controlled data are initially concatenated for each station and plotted in order to identify the start and end times of each deployment. The data are segmented into individual deployment time series, so the deployment and recovery dates are assumed dates.

Raw NDBC data have varying sampling frequencies depending upon the operating mode (i.e. whether there is a tsunami alert). Standard operating mode (1) uses 15 minute spot values, mode 2 data consists of 1 min averages of 4X15 sec spot values and mode 3 is 15 second sampling. Mode 3 data were sub-sampled to the frequency of mode 1, but mode 2 data were not compatible and were treated as missing.

Raw pressures were obtained in metres from NDBC but had been converted from psia using a conversion factor of 0.67. The true conversion should have used 0.68947573, so to convert to mb, we multiplied by $102.9 = 0.68947573 / 0.67 * 100$.

An offset of 453 bar was removed from the raw pressure data.

There is an apparent datum shift in February 2008 that coincided with an earthquake off the Sumatran coast.

Data downloaded from http://www.ndbc.noaa.gov/historical_data.shtml

Channels

53401_0708 (Preferred Channel)

Parameter: pressure

Supplier

Address

Indonesian Agency for Assessment & Application of Technology
Jalan MH.Thamrin 8
Jakarta 10340

Notes

Data were obtained from NDBC, but the instrumentation is owned and maintained by the Indonesian Agency for Assessment & Application of Technology.