

Deployment 52403_0608

(NDBC 52403 - North Manus - 345 NM N of Manus Island, New Guinea)

Location

Latitude: 4.027

Longitude: 145.579

Depth: 4453 m

Ocean region: 2.3 - Tropical Pacific Ocean

Time Span

Start Date: 2006-12-19

End Date: 2008-03-23

Notes

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

Deployment and recovery information for this record was obtained from <http://www.ngdc.noaa.gov/nndc/struts/results?&t=102597&s=1&d=1>.

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 450 bar was removed from the raw pressure data.

The phase and amplitude of the S2 constituent varies between deployments at this station. This may be due to variations in the latitude and longitude of deployments since, in some cases, these are not known and are assumed to be the same as those for later deployments.

These data must be treated with caution as the station is located in an area of seismic activity.

Data amended 06/02/15. Data to 28/12/06 were flagged as suspect due to large initial drift, which could not be removed using a linear plus exponential fit.

Channels

52403_0608 (Preferred Channel)

Parameter: pressure

Supplier

Address

NOAA National Data Buoy Center
Building 3205
Stennis Space Center, MS 39529
228-688-2805
USA