

Deployment 51407_0709

(NDBC 51407 - Hawaii - 34 NM West of Kailua-Kona)

Location

Latitude: 19.627

Longitude: -156.526

Depth: 4718 m

Ocean region: 2.3 - Tropical Pacific Ocean

Time Span

Start Date: 2007-08-09

End Date: 2009-08-04

Notes

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

An offset of 480 bar was removed from the raw pressure data.

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 $102.9 = 0.68947573 / 0.67 * 100$.

Channels

51407_0709 (Preferred Channel)

Parameter: pressure

Sensor Model: Paroscientific Digiquartz

Supplier

Address

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