

Deployment 42407_0608

(NDBC 42407 - South Puerto Rico - 230 NM South of San Juan)

Location

Latitude: 15.255532

Longitude: -68.23617

Depth: 4528 m

Ocean region: 1.3 - Tropical Atlantic Ocean

Time Span

Start Date: 2006-04-11

End Date: 2008-04-12

Notes

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 460 bars was removed from the raw pressure data

Data downloaded from <http://www.ngdc.noaa.gov/nndc/struts/results?&t=102597&s=1&d=1>

Channels

42407_0608 (Preferred Channel)

Parameter: pressure

Sensor Model: Paroscientific

Supplier

Address

NOAA National Data Buoy Center

Building 3205

Stennis Space Center, MS 39529

228-688-2805

USA