Deployment 32401_1414
(NDBC 32401 - 260 NM WSW of Arica, Chile)

Location
Latitude: -20.473
Longitude: -73.429
Depth: 4797 m
Ocean region: 2.3 - Tropical Pacific Ocean

Time Span
Start Date: 2014-04-24
End Date: 2014-11-27

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

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 NBDC 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.

Latitudes, longitudes and depths specific to this deployment were not available, so they are taken to be those shown for the latest deployment shown on webpage www.ndbc.noaa.gov/station_page.php?station=32401 as at 11/12/2014.

This deployment remains in situ. Data will be reprocessed following recovery of the instrumentation.

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

An offset of 490 bar was removed from the raw pressure data.

Channels

32401_1414 (Preferred Channel)
Parameter: pressure
Supplier

Address
Hydrographic & Oceanographic Service of Chilean Navy (SHOA)
Errazuriz Echaurre
254 Playa Ancha
Valparaiso
Chile

Notes
Raw data are distributed by NDBC but instrumentation is owned by SHOA