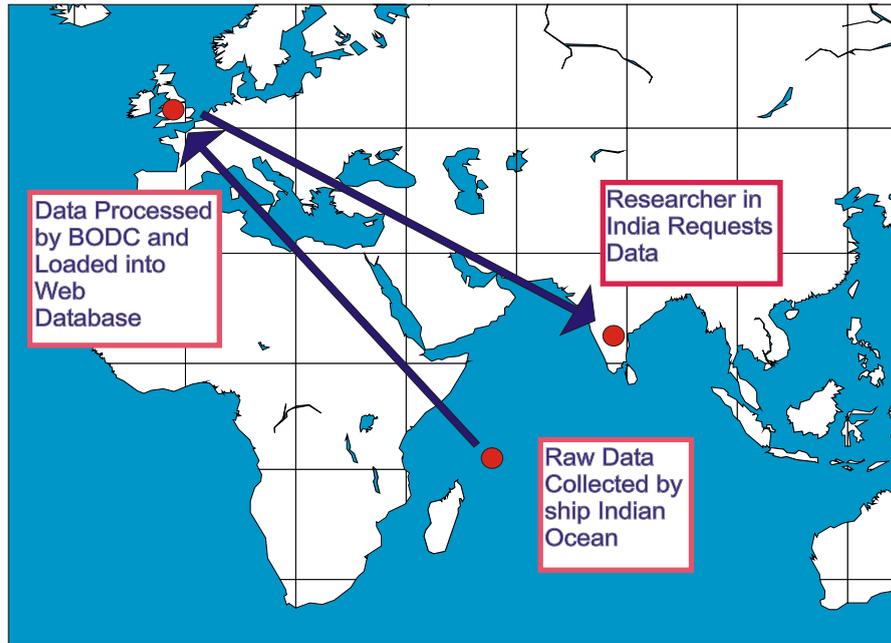


# BODC Web Data Catalogues And Requests

[http://www.bodc.ac.uk/data/where\\_to\\_find\\_data/](http://www.bodc.ac.uk/data/where_to_find_data/)

We are committed to making high quality oceanographic data, information and knowledge readily available to research scientists in academia, government and industry, as well as to the public. A crucial part of BODC's data management functionality is the provision of web-based access to different types of marine data catalogues.



Example of Data Flow from Collection to a Customer

These catalogues are designed so that users can search, select and request data that meet their requirements. They also provide information about BODC's data holdings, and include information about data holdings managed by our UK and European colleagues and collaborators.

It is BODC's policy to encourage the use of its data holdings. Specific examples of marine research where these data have been used are:

- PhD research on tidal flooding around the Mawddach estuary
- Flood Risk Assessment for a site in Newport.
- Wave data for Flamborough Head, Hornsea and Holderness required for investigating wave climate off NE England.
- Investigation into the possible link between tide levels and deterioration in raw water quality to a water treatment plant.
- The use of tide gauge data to investigate the cause of an accident at Fleetwood marina.
- To develop a data assimilative Indian Ocean mathematical model and understand the heat and mass transport in the Indian Ocean.

Searching the online data catalogues is mainly restricted to the metadata. Metadata is “data about data” and includes information such as collection time, the geographical position and the depth.

## Online delivery

- **AMT CTD and underway data**  
The CTD, and continuous meteorological and oceanographic core measurements (underway data) from all cruises for the Atlantic Meridional Transect (AMT) programme are available.
- **GEBCO bathymetric grid samples**  
The GEBCO One Minute Grid in the form of individual 20 degree x 20 degree tiles is available for download.
- **Historical BPR data**  
Bottom pressure recorder data collected either in the open ocean or shelf seas, available as simple ASCII files.
- **International sea level data**  
High frequency 'delayed-mode' data from over 20 countries collected under the World Ocean Circulation Experiment (WOCE), Climate Variability and Predictability (CLIVAR) and Global Sea Level Observing System (GLOSS) programmes.
- **UK Argo floats**  
Temperature and salinity profiles, metadata or trajectories from the Argo floats deployed by the UK, obtained via a form or an interactive map.
- **NTSLF data**  
Raw and processed data for the National Tidal & Sea Level Facility tide gauges available to download as ASCII files.

## Online request

- **CTD profiles**  
There are over 40,000 profiles listed in the inventory, which provides information on CTD profiles held in our National Oceanographic Database and fully processed CTD data held in the project database maintained by BODC.
- **Wave data series**  
The wave data index provides access to all instrumentally recorded wave data held in our National Oceanographic Database. It includes entries for directional wave spectra, one-dimensional wave spectra and short term statistics.

## Information and inventories

- **Cruise inventory**  
The cruise inventory is a first level inventory of measurements and samples collected at sea providing information on who has collected what, where and when. There are over 6000 entries, with more than 3200 downloadable cruise reports.
- **EDMED**  
The European Directory of Marine Environmental Data is a high level "discovery" inventory, providing a user searchable, web-based directory of data sets relating to the marine environment.
- **GLOSS Station Handbook**  
The Global Sea Level Observing System (GLOSS) Station Handbook provides information on each of the tide gauges in GLOSS core network and links to data where available.
- **NERC metadata gateway**  
The NERC MetaData Gateway provides access to catalogues of data held by NERC designated data centres.
- **Summary of BODC holdings**  
A simple search interface that provides access to information describing data sets held by BODC.

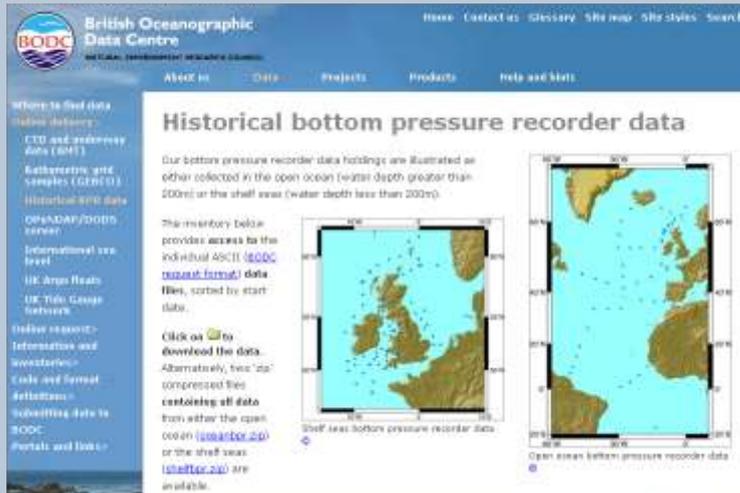
## The Future

As yet, not all of our data holdings are available via the web. This is a challenging area of development for BODC's software engineering staff. The marine community can expect our web-based data and metadata delivery capability to expand considerably in the future.

## Other Data

BODC staff have considerable expertise in a wide variety of oceanographic data. We hold a great deal more data and can also act as a referral service to sister data centres, agencies and colleagues worldwide.

For more details contact the Enquiries Officer at [enquiries@bodc.ac.uk](mailto:enquiries@bodc.ac.uk)



The screenshot shows the BODC website interface for 'Historical bottom pressure recorder data'. It includes a navigation menu, a search bar, and a main content area with two maps of the Atlantic Ocean. The left map is labeled 'Shelf seas bottom pressure recorder data' and the right map is 'Open ocean bottom pressure recorder data'. Text on the page explains that the data holdings are illustrated as either collected in the open ocean (water depth greater than 200m) or on the shelf seas (water depth less than 200m). It also provides instructions on how to access the data, including downloading individual ASCII files or compressed files containing all data from a specific area.



The screenshot shows the BODC website interface for 'Search results' for CTD profiles. It includes a navigation menu, a search bar, and a main content area with a table of search results. The table has columns for Base, Lat, Lon, Date, Time, Water, Sta, Max, Project, Cruise, and Refers. The first row of data is: 1, -19.00, 50.000, 2001-07-21, 22:34, 4707, 1, 249.1, Unaffiliated, CD029, Unvisited.



The screenshot shows the BODC website interface for 'Cruise inventory Search form'. It includes a navigation menu, a search bar, and a main content area with a search form. The form has fields for 'Free search', 'Ship name', 'Begin date', 'End date', 'Data type', 'Drop-off', and 'Data year'. The 'Data type' dropdown menu is open, showing options: Surface measurements underway (TS), Bathymetry, Water profile stations, CTD stations, and Subsurface measurements underway (TS).