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# OCEAN MARGIN EXCHANGE

## OMEX I DATA SET

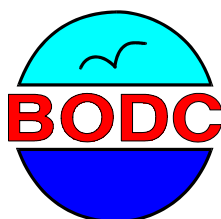
### USERS' GUIDE

Data set and documentation compiled by  
R.K. Lowry, R.M. Downer, Z. Loncar

Software interface written by  
R.N. Cramer

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*OMEX I (1993-1996) was a multidisciplinary oceanographic research project focused on the European Continental Margin under the second phase of the European Union Marine Science and Technology (MAST) programme.*



**British Oceanographic Data Centre,**  
Proudman Oceanographic Laboratory,  
Bidston Observatory, Birkenhead,  
Merseyside L43 7RA, United Kingdom

# Introduction

The OMEX I data set is a large and complex entity. It is fully understood that you, the user, confronted by such a product will be somewhat confused and bewildered with little idea where to start getting what you want from the data set. This document is designed to provide you with as much help as we can to find your way around.

This Users' Guide is a 'soft document' implemented using Adobe's *Acrobat* active documentation system. It is therefore more like a Web site than a conventional printed document. Instead of an index containing page numbers, there are 'hot links' which will take you to the appropriate point in the document with a single click of the left mouse button. These may be identified in two ways. First, when the *Acrobat* hand cursor is on a hot link, it turns into a pointing finger. This can be a little difficult to see, so to make it easier, any text that lies within a hot link has been highlighted with colour. So, if you see any text that isn't black, click it and you will instantly travel to the relevant part of the document.

The manual is implemented as a series of document files arranged in hierarchical layers. Whilst *Acrobat* includes mechanisms for getting back from a file to the file that called it these are either not obvious (using the document list in the File menu) or long winded (backspacing through views). To circumvent this, additional help has been provided in the form of 'Parent' and 'Home' buttons at the top of each document. Clicking the 'Parent' button opens the file that called the current file. In other words, it moves you one layer up through the hierarchy. Clicking the 'Home' button opens this file, bringing you instantly back to the beginning.

The *Acrobat* reader you are now using is a powerful piece of software. In addition to the 'hot link' navigation it has many other features. For those who prefer to read away from their computer screen, documents may be printed either whole or in part. Text and graphics may be copied to other applications and therefore may be regarded as data that may be accessed directly from this document. Please take some time to explore the facilities offered by the software from this document. We are confident that you will agree that it is time well spent.

In addition to this document, there are three other broad techniques that may be used to access the data contained within this CD-ROM system. First, there are software utilities developed by BODC to extract data from the databases contained on the CD-ROM. Secondly, much of the data are held in a Microsoft JET database that may be interrogated using Version 2.0 or later of Microsoft's Access relational database system. Thirdly, the data are present as an ASCII 'kit form' database designed to allow users with their own relational system to load data in bulk.

Please take some time to explore this manual. We are sure that the time invested will be amply rewarded.

# Contents

- Credits and Acknowledgements.** Who did what to bring this electronic publication to you, including acknowledgement of copyright and trademarks.
- OMEX I Roll of Honour.** Who did what to collect the OMEX I data set.
- The OMEX I Project.** A summary of OMEX I science and field work.
- CD-ROM Overview.** A descriptive electronic brochure providing a summary of the CD-ROM contents.
- OMEX I Box Bathymetry** Digital bathymetry of the OMEX I box in ASCII and DXF formats taken from GEBCO-97. The accompanying text includes a contour map and 3D view of the sea floor elevation.
- OMEX I Images.** Image data presented on the CD-ROM. Includes satellite images, Kasten core X-ray photographs, scanning electron micrographs of suspended particulate matter and sea bed photographs.
- The OMEX I Hydrographic Atlas.** A digital atlas for the Goban Spur area generated from the OMEX I data set.
- The NIOO Databases.** Two databases containing benthic data extracted from the literature by the Netherlands Institute of Ecology.

OMEX I Biogeochemical Models.	FORTRAN source code and example input data files for two benthic biogeochemical models developed by the Netherlands Institute for Ecology and a water column biogeochemical model developed by University of Wales, Bangor.
The OMEX I Underway Data Set.	Continuously measured sea surface data, meteorology, navigation and bathymetry.
The OMEX I Moored Instrument Data Set.	Data from moored instruments and benthic landers.
The OMEX I Air-Sea Flux Data Set.	Data set obtained by the RISØ/TNO instrument packages including micro-meteorology, aerosol spectrometer data and bubble measurements.
The OMEX I Database.	All OMEX I data excluding the underway, moored instrument and RISØ/TNO air-sea flux data.