



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
(of UNESCO)

O C E A N - P C

INVENTORY OF SOFTWARE AND PRODUCTS FOR THE
DISPLAY AND ANALYSIS OF MARINE DATA

"THE SHOEBOX"

This Document constitutes an element of the OCEAN-PC Project and complements an integrated software package called "OCEAN-PC" which is being developed by the IOC. This inventory is issued in a loose-leaf form so that as information about new software becomes available, additional pages will be prepared and mailed out for insertion into the Document. Member States may make arrangements to obtain the software referred to in the inventory from the contact point listed with each package entry.

Further arrangements for the distribution of this software is planned to be considered at the Fourteenth Session of the IOC Committee on IODE in December 1992. Suggestions for additions to the inventory and requests to be placed on the mailing list for updates should be addressed to:

IOC Secretariat (OCEAN-PC)
UNESCO
7, place de Fontenoy
75700 Paris
FRANCE

CONTENTS

	<u>page</u>
INTRODUCTION	
INVENTORY (Free or at cost of reproduction software)	2
Inventory of Moored Current Meter Data	2
Pacific Ocean Temperature-Salinity Data Selection & Display	3
Global Ocean Temperature & Salinity Profiles; Vol. 1:	
Atlantic, Indian & Polar Oceans	4
Global Ocean Temperature & Salinity Profiles; Vol. 2:	
Pacific Ocean	5
ATLAST, an ocean atlas for IBM compatible computers	6
ROSIN, ROSEARCH: Inventory of Oceanographic Research Cruises	7
NERC Marine Atlas	8
ARGOS	9
SEAPLOT/Worldplot	10
Oceanatlas for MacIntosh	14
TOGA CD-ROM	15
ENTICE	16
BL-MK1	17
FISUM	18
STASUM	19
STAPLOT	20
TSLOOK	21
ICE-EDT	22
RECEXT	23
INDEX	24
EXTRACT	25
ICESORT	26
INVENTORY (commercially available software)	
Salinity	24
CONDUCTIVITY	24
OXYGEN	26
SURFER, a 3-dimensional plotting package	27
KLOTET, a 3-dimensional plotting package showing the earth's surface together with oceanographic data	28
STATGRAPHICS, statistical & mathematical package with emphasis on graphics	29
Display of NOAA-AVHRR imagery on a PC colour screen	30
pc-MADAM	31
Geophysics of North America	32
FISHBASE (under development)	33
GLOSSARY Listing Format	34

INTRODUCTION

The OCEAN-PC is the compilation by IOC of a catalogue of standard software packages for oceanographic data management. As an initial step, IOC compiles and distributes an inventory of PC programmes including: tools, time and productivity packages, format conversion and exchange routines, etc., with particular focus on analytical capabilities, quality control and data visualization for marine science.

This inventory builds upon the '*Inventory of Software and Products for the Display and Analysis of Marine Data*' of the working group on Marine Data Management of ICES, the International Council for the Exploration of the Seas.

This edition includes software and data products which operate in personal computer environments, such as IBM PC. It is, however, not meant to restrict contributions to IBM type computers. Furthermore, some contributions to the inventory describe software and data combined in one package. Therefore, the concept for this edition includes descriptions of both software and products (software/data packages).

Commercially available software is listed in a separate section of this document. OCEAN-PC cannot fund the purchase of this software but its application will be important to the ocean community.

I N V E N T O R Y

Free or at cost of reproduction software

INVENTORY

SOFTWARE APPLICATION: Inventory of Moored Current Meter Data

ENTRY DATE: 14 February 1990

SUMMARY: This package includes software to allow selective retrieval of current meter inventory entries. Once selected, the records may be browsed on screen, viewed on a map, or listed to a file or printer.

It includes references to over 24,000 current meter series, each described by its geographic co-ordinates, meter height/depth, start date and duration of measurement, source laboratory including country, originator's reference identifier, confidentiality restrictions on access to data (if any) and a contact point for access to the data series. Inventory records were contributed by Belgium, Canada, Germany, Finland, Greece, the Netherlands, Norway, Portugal, Sweden, the UK and the USA.

AVAILABILITY: Freely available to members of the scientific community, but for commercial use is only available under license directly from BODC.

CHARGES: Commercial users contact BODC for a quote of costs.

DOCUMENTATION: A leaflet describes the package and provides loading and operation instructions.

ICES/ICDE CENTER: British Oceanographic Data Centre

SYSTEM REQUIREMENTS: IBM PC or true compatible; DOS Version 3.0 or later; 640 Kbytes of RAM; Hard disk with 1.3 Mbytes free; EGA display monitor.

CONTACT: British Oceanographic Data Centre
Proudman Oceanographic Laboratory
Bidston Observatory
Birkenhead, Merseyside L43 7RA
UNITED KINGDOM
Fax: +44 51 653 6269
Tlx: 628591 OCEANB G
Tlm: BODC.UK

SOFTWARE APPLICATION: Pacific Ocean Temperature-Salinity Data
Selection and Display

ENTRY DATE: 14 February 1990

SUMMARY: This software is designed to provide access to all temperature - salinity profile data acquired between 1900 and 1988 in the Pacific Ocean, which is recorded on a CD-ROM. The software enables users to do selective retrievals and to display the data in several ways.

AVAILABILITY: Available on request. If you do not have a CD-ROM reader, a sample of the data set is available with the software on diskettes.

CHARGES: The CD-ROM and software on a diskette are available at no charge to those who will provide comments on the useability of the package.

DOCUMENTATION: NODC Informal Report No. 10, "Experimental CD-ROM NODC-01: Pacific Ocean Temperature and Salinity Profiles 1900-1988" describes the software and the CD-ROM, and provides loading and operating instructions. The report is available with or without the CD-ROM and software.

ICES/IODE CENTER: US National Oceanographic Data Center

SYSTEM REQUIREMENTS: IBM PC or compatible; CD-ROM reader (ISO 9660 standard); Microsoft MS-DOS extensions for CD-ROM, version 2.0 or above 640 Kbytes of RAM (at least 500 Kb available); EGA graphics adapter EGA or multi-synchronous colour graphics monitor; 1.2 Mbyte 5.25 inch floppy disk drive.

CONTACT: National Oceanographic Data Center
User Services Branch
1825 Connecticut Ave., N.W.
Washington, D.C. 20235
USA

Fax: (202) 673-5586
Tlm: NODC.WDCA

SOFTWARE APPLICATION: Global Ocean Temperature and Salinity Profiles; Vol. 1: Atlantic, Indian and Polar Oceans.

ENTRY DATE: 12 August 1991

SUMMARY: This software is designed to provide access to all temperature - salinity profile data in the Atlantic, Indian and Polar Oceans, which is recorded on a CD-ROM. The software enables users to do selective retrievals and to display the data in several ways.

AVAILABILITY: Available on request. If you do not have a CD-ROM reader, a sample of the data set is available with the software on diskettes.

CHARGES: The CD-ROM and software on a diskette are available at no charge to those who will provide comments on the useability of the package.

DOCUMENTATION: An NODC Informal Report describes the software and the CD-ROM and provides loading and operating instructions. The report is available with or without the CD-ROM and software.

ICES/IODE CENTER: US National Oceanographic Data Center

SYSTEM REQUIREMENTS: IBM PC or compatible; CD-ROM reader (ISO 9660 standard); Microsoft MS-DOS extensions for CD-ROM, version 2.0 or above 640 Kbytes of RAM (at least 500 Kb available); EGA graphics adapter EGA or multi-synchronous colour graphics monitor; 1.2 Mbyte 5.25 inch floppy disk drive.

CONTACT: National Oceanographic Data Center
User Services Branch
1825 Connecticut Ave., N.W.
Washington, D.C. 20235
USA

Fax: (202) 673-5586
Tlm: NODC.WDCA

SOFTWARE APPLICATION: Global Ocean Temperature and Salinity Profiles; Vol. 2: Pacific Ocean.

ENTRY DATE: 12 August 1991

SUMMARY: This software is designed to provide access to all temperature - salinity profile data in the Pacific Ocean, which is recorded on a CD-ROM. The software enables users to do selective retrievals and to display the data in several ways.

AVAILABILITY: Available on request. If you do not have a CD-ROM reader, a sample of the data set is available with the software on diskettes.

CHARGES: The CD-ROM and software on a diskette are available at no charge to those who will provide comments on the useability of the package.

DOCUMENTATION: An NODC Informal Report describes the software and the CD-ROM and provides loading and operating instructions. The report is available with or without the CD-ROM and software.

ICES/IODE CENTER: US National Oceanographic Data Center

SYSTEM REQUIREMENTS: IBM PC or compatible; CD-ROM reader (ISO 9660 standard); Microsoft MS-DOS extensions for CD-ROM, version 2.0 or above 640 Kbytes of RAM (at least 500 Kb available); EGA graphics adapter; EGA or multi-synchronous colour graphics monitor; 1.2 Mbyte 5.25 inch floppy disk drive.

CONTACT: National Oceanographic Data Center
User Services Branch
1825 Connecticut Ave., N.W.
Washington, D.C. 20235
USA

Fax: (202) 673-5586
Tlm: NODC.WDCA

SOFTWARE APPLICATION: ATLAST, an ocean atlas for IBM compatible computers

ENTRY DATE: 1 September 1991

SUMMARY: The programme allows to examine and plot hydrographic and tracer section data in a variety of ways.

AVAILABILITY: Freely available

CHARGES: Return diskettes after copying the programme.

DOCUMENTATION: Manual

SYSTEM REQUIREMENTS: IBM-XT, AT 286/386 with CGA, EGA or VGA graphics; mathematical co-processor recommended for speed; 20 Mbyte or more hard disk for sufficient data storage;

CONTACT: Ruby Lassanyi
Jet Propulsion Laboratory
User Support Office, MS 300-320
4800 Oak Grove Drive
Pasadena, CA 91109
USA
Tel: +1-818-3540906
Tlm: NODS.JPL
SPAN: STANS::RAL
INTERNET: ral@stans.jpl.nasa.gov

IOC/INF-878

page 6

SOFTWARE APPLICATION: ROSIN, ROSEARCH: Inventory of
Oceanographic Research Cruises

ENTRY DATE: 14 February 1990

SUMMARY: Programmes ROSIN and ROSEARCH give users the ability to
key enter ROSCOP information (ROSIN), and later to do
searches on various attributes (ROSEARCH).

AVAILABILITY: Available on request

CHARGES: No charge.

DOCUMENTATION: Brief user manual.

ICES/IODE CENTER: ICES Hydrographic Service

SYSTEM REQUIREMENTS: IBM PC or true compatible; DOS Version
3.0 or later; 640 Kbytes of RAM

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

SOFTWARE APPLICATION: NERC Marine Atlas

ENTRY DATE: 20 January 1991

SUMMARY: Digital marine atlas of the waters around the British Isles, especially the North Sea.

AVAILABILITY: Free

CHARGES: None

DOCUMENTATION: On disk help files and built-in help functions

SYSTEM REQUIREMENTS: IBM XT, AT 286 or 386, or PS/2 with EGA or VGA graphics; 640 Kb RAM;

CONTACT: Natural Environment Council
Dr. G. Robinson
Dept. of Geography
Whiteknights
P.O. Box 227
Reading RG6 2AB
UNITED KINGDOM

IOC/INF-878
page 8

SOFTWARE APPLICATION: ARGOS

ENTRY DATE: 13 March 1991

SUMMARY: ARGOS is a relational database system, developed for geophysical data; it includes a large number of utilities for processing and presentation.

AVAILABILITY: Free.

CHARGES: None.

DOCUMENTATION: User manual provided.

ICES/IODE CENTER: NODC USSR

SYSTEM REQUIREMENTS: IBM or compatible, 286 or 286; EGA graphics; printer; plotter;

CONTACT: V.P. Keondjan
Russian State Oceanographic Institute
Moscow
RUSSIAN FEDERATION

SOFTWARE APPLICATION: SEAPLOT/Worldplot

ENTRY DATE: 10 September 1991

SUMMARY: SEAPLOT and Worldplot display geo-referenced environmental information on microcomputers.

AVAILABILITY: Free.

CHARGES: None

DOCUMENTATION: Manual on disk with programme.

SYSTEM REQUIREMENTS: IBM or compatible with CGA, EGA or VGA graphics monochrome or colour.

CONTACT:

Doug R. McLain (Worldplot)
NOS/COAP
Monterey, CA
USA

Tlm: OAG.MONTEREY

M. Brown (SEAPLOT)
Minerals Management Service
(MS 5430)
1201 Elmwood Park Boulevard
New Orleans, LA
USA

Tel: 70123-2394

Tlm: M.BROWN.MMS

IOC/INF-878
page 10

SOFTWARE APPLICATION: Oceanatlas for Macintosh

ENTRY DATE: 1 December 1991

SUMMARY: The programme allows to examine and plot hydrographic and tracer section data. It also provides a graphic exploration environment.

AVAILABILITY: Free

CHARGES: None

DOCUMENTATION: User manual

SYSTEM REQUIREMENTS: Apple MacIntosh

CONTACT: John Osborne
NOAA/PMEL, Building #3
7600 Sand Point Way N.E.
Seattle, WA 98115
USA

SOFTWARE APPLICATION: TOGA CD-ROM

ENTRY DATE: 10 August 1991

SUMMARY: Selection of TOGA data for the years 1985 and 1986.

AVAILABILITY: Free

CHARGES: None

DOCUMENTATION: Manual (JPL Publication 90-43)

SYSTEM REQUIREMENTS: IBM or compatible; CD-ROM reader.

CONTACT: International TOGA Project Office
World Meteorological Organization (WMO)
P.O. Box 2300
C-1211 Geneva 2
SWITZERLAND
Tel: +41-22-730 8111
Fax: +41-22-734 2326

IOC/INF-878
page 12

SOFTWARE APPLICATION: ENTICE

ENTRY DATE: 15 March 1991

SUMMARY: Hydro-chemistry data entry. Output in Blueprint '86
format.

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics
use screen type available up to VGA and
Hercules. If you wish enhanced
performance from making use of your
maths co-processor, please request this
when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

SOFTWARE APPLICATION: BL-MK1

ENTRY DATE: 15 March 1991

SUMMARY: Converts Blueprint '86 to ICES format

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

IOC/INF-878
page 14

SOFTWARE APPLICATION: FISUM

ENTRY DATE: 15 March 1991

SUMMARY: Summarizes file of station data in ICES format

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

SOFTWARE APPLICATION: STASUM

ENTRY DATE: 15 March 1991

SUMMARY: Summarizes contents of each station in a station file in ICES format and prepares statistics for use in ROSCOP

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

IOC/INF-878
page 16

SOFTWARE APPLICATION: STAPLOT

ENTRY DATE: 15 March 1991

SUMMARY: Plots station positions on mercator projection (Coastlines are supported if appropriate file available). Requires station file in ICES format.

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

SOFTWARE APPLICATION: TSLOOK

ENTRY DATE: 15 March 1991

SUMMARY: Programme plots x/y, depth/x, depth/y for any hydrochemistry pair. On completion extreme values with record numbers are stored in a file. On pointing to individual dots, data details are displayed and you may save an individual record, or a whole station to a file. Requires station file in ICES format.

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

IOC/INF-878
page 18

SOFTWARE APPLICATION: ICE-EDT

ENTRY DATE: 15 March 1991

SUMMARY: Allows you to edit/change a data value in any field of
ICES formatted records

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics
use screen type available up to VGA and
Hercules. If you wish enhanced
performance from making use of your
maths co-processor, please request this
when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

SOFTWARE APPLICATION: RECEXT

ENTRY DATE: 15 March 1991

SUMMARY: Extracts groups of records from an ICES format station file; useful in conjunction with FISUM.

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

SOFTWARE APPLICATION: INDEX

ENTRY DATE: 15 March 1991

SUMMARY: Creates an index file (.IND extension) of record information from an ICES format station file, for use with EXTRACT.

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

SOFTWARE APPLICATION: EXTRACT

ENTRY DATE: 15 March 1991

SUMMARY: Extracts stations from a station file in ICES format, depending on selection criteria - year, rectangular area, and sections (mercator). Goes very fast - 20,000 stations can be scanned in 2 or 3 minutes, even on an XT.

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
 ICES Hydrographer
 Palaegade 2-4
 DK-1261 Copenhagen K
 DENMARK
 Tlm: ICES.DK

IOC/INF-878
page 22

SOFTWARE APPLICATION: ICESORT

ENTRY DATE: 15 March 1991

SUMMARY: Hierarchically sorts an ICES data file using a number of sort keys, e.g., country, ship, station number, year, day, month, hour. Size of file to be sorted is limited to amount of disk space available or ca 15,000 stations. The station limit is in theory limitless, but is set at this level for the moment.

AVAILABILITY: Free

CHARGES: Free

DOCUMENTATION: Simple user instructions included.

ICES/IODE CENTER: ICES Service Hydrographique

SYSTEM REQUIREMENTS: Minimum 512K and CGA monitor; graphics use screen type available up to VGA and Hercules. If you wish enhanced performance from making use of your maths co-processor, please request this when ordering the programme.

CONTACT: Dr. Harry Dooley
ICES Hydrographer
Palaegade 2-4
DK-1261 Copenhagen K
DENMARK
Tlm: ICES.DK

I N V E N T O R Y

Commercially Available Software

SOFTWARE APPLICATION: Salinity

ENTRY DATE: 12 January 1991

SUMMARY: The programme converts between conductivity ratio,
temperature and salinity

AVAILABILITY: Commercially available

CHARGES: Contact OCEAN Scientific International

DOCUMENTATION: Brief user manual

SYSTEM REQUIREMENTS: IBM or compatible

CONTACT: OCEAN Scientific International
Brook Road
Wormley, Surrey
UNITED KINGDOM
Tel: +44 (0) 428 685245
Fax: +44 (0) 428 685075

IOC/INF-878

page 26

SOFTWARE APPLICATION: CONDUCTIVITY

ENTRY DATE: 12 January 1991

SUMMARY: The programme converts between conductivity (mS/cm), salinity, temperature and pressure.

AVAILABILITY: Commercially available

CHARGES: Contact OCEAN Scientific International

DOCUMENTATION: Brief user manual

SYSTEM REQUIREMENTS: IBM or compatible

CONTACT: OCEAN Scientific International

Brook Road

Wormley, Surrey

UNITED KINGDOM

Tel: +44 (0) 428 685245

Fax: +44 (0) 428 685075

SOFTWARE APPLICATION: OXYGEN

ENTRY DATE: 12 January 1991

SUMMARY: The programme calculates oxygen saturation at given salinity and temperature

AVAILABILITY: Commercially available

CHARGES: Contact OCEAN Scientific International

DOCUMENTATION: Brief user manual

SYSTEM REQUIREMENTS: IBM or compatible

CONTACT: OCEAN Scientific International
Brook Road
Wormley, Surrey
UNITED KINGDOM

Tel: +44 (0) 428 685245

Fax" +44 (0) 428 685075

SOFTWARE APPLICATION: SURFER, a 3-dimensional plotting package

ENTRY DATE: 2 April 1990

SUMMARY: SURFER consists of 4 useful programmes for displaying oceanographic data: (1) GRID produces a regular x-y-z grid from irregular x-y-z points; (2) TOPO draws contour-plots from the grid created by GRID; (3) SURF draws 3-D plots from the grid created by GRID; (4) GRAFIT draws 2-D plots.

AVAILABILITY: Commercially available from Golden Software Inc.,
807 14th St., P.O. Box 281, Golden, CO 80402,
USA.

CHARGES: Contact local software dealer

DOCUMENTATION: Reference Manual and Tutorial provides loading and operation instructions.

ICES/IODE CENTER: SMHI Oceanographic Laboratory, Goteborg,
SWEDEN

SYSTEM REQUIREMENTS: IBM PC or true compatible; DOS 2.0 or later version 256K of RAM; EGA display monitor or a SURFER supported graphics printer

CONTACT: SMHI Oceanographic Laboratory
P.O. Box 2212
S-403 14 Goteborg
SWEDEN
Fax: +4631130447
Tel: +4631630330

SOFTWARE APPLICATION: KLOTET, a 3-dimensional plotting package showing the earth's surface together with oceanographic data.

ENTRY DATE: 2 April 1990

SUMMARY: KLOTET presents a bird's-eye view of a chosen part of the earth's surface. Oceanographic data are presented as staples, proportional to their values.

AVAILABILITY: Commercially available from Envirograf AB, Gotgatan 108, S-116 62 Stockholm, SWEDEN.

CHARGES: Contact Envirograf AB.

DOCUMENTATION: A Tutorial provides loading and operation instructions.

ICES/IODE CENTER: SMHI Oceanographic Laboratory, Goteborg, SWEDEN.

SYSTEM REQUIREMENTS: IBM PC or true compatible; DOC 3.0 or later version; 640K of RAM; At least 1MB of hard disc space

CONTACT: SMHI Oceanographic Laboratory
P.O. Box 2212
S-403 14 Goteborg
SWEDEN
Fax: +4631130447
Tel: +4631630330

SOFTWARE APPLICATION: STATGRAPHICS, statistical and mathematical package with emphasis on graphics.

ENTRY DATE: 2 April 1990

SUMMARY: A package for advanced statistical analysis and graphic presentation of data.

AVAILABILITY: Commercially available from STSC Inc., 2115 E. Jefferson St., Rockville, MD 20852, USA.

CHARGES: Contact local software dealer.

DOCUMENTATION: Reference Manual and Tutorial provides loading and operation instructions.

ICES/IODE CENTER: SMHI Oceanographic Laboratory, Goteborg, SWEDEN.

SYSTEM REQUIREMENTS: IBM PC or true compatible; DOC 2.0 or later version; 512K of RAM

CONTACT: SMHI Oceanographic Laboratory
P.O.Box 2212
S-403 14 Goteborg
SWEDEN
Fax: +4631130447
Tel: +4631630330

SOFTWARE APPLICATION: Display of NOAA-AVHRR imagery on a PC colour screen.

ENTRY DATE: 12 April 1990

SUMMARY: KNMI is running an operational real-time service for the delivery of processed NOAA-AVHRR images to researchers and managers of the coastal waters of the Netherlands. The products contain sea-surface temperature maps and total suspended matter maps in digital format on floppy disc. This software package was developed for users of this KNMI service, but could be the basis for a more general development. The package, written in Turbo-Pascal 5.0 provides:

- image display in 16 colours
- user definition of colour-coding look-up tables
- zooming and shrinking of images
- 3 x 3 box filtering
- histograms
- annotation.

AVAILABILITY: The software is available at conditions to be agreed between the applicant and the contact mentioned below.

CHARGES: As worked out with the contact.

DOCUMENTATION: A leaflet is available describing the package and its installation.

ICES/IODE CENTER: KNMI, De Bilt, NETHERLANDS

SYSTEM REQUIREMENTS: IBM PC or true compatible; MS-DOS operating system; EGA or VGA colour adapter; Colour monitor

CONTACT: Mr. J.N. Roozkrans
K.N.M.I.
P.O. Box 201
3730 AE De Bilt
NETHERLANDS
Tel: 31-30-206911
Fax: 31-30-210407

IOC/INF-878
page 32

SOFTWARE APPLICATION: pc-MADAM

ENTRY DATE: 3 February 1991

SUMMARY: This programme allows the user to obtain a quick view of geo-referenced data and information.

AVAILABILITY: Commercially available.

CHARGES: US\$ 450,-

DOCUMENTATION: User manual provided.

SYSTEM REQUIREMENTS: PC XT, AT 286 and 386 with EGA or VGA graphics; at least 640 KB RAM;

CONTACT: TT Automation
Attn. Dr. T. Tiemissen
Van Rietlaan 14
3461 HW Linschoten
NETHERLANDS

SOFTWARE APPLICATION: Geophysics of North America

ENTRY DATE: 15 November 1989

SUMMARY: Land and marine geophysical data of North America, contained on a CD-ROM with access software. The datasets include: topography, gravity, magnetics, imagery, seismicity, stress and thermal data.

AVAILABILITY: Upon request.

CHARGES: US\$ 580,- (plus handling charges)

DOCUMENTATION: User manual.

SYSTEM REQUIREMENTS: IBM or compatible; EGA graphics; CD-ROM reader.

CONTACT: National Geophysical Data Center
NOAA, Code E/GC1; Dept. 808
325 Broadway
Boulder, CO 80303
USA

SOFTWARE APPLICATION: FISHBASE (under development)

ENTRY DATE: 22 November 1991

SUMMARY: FISHBASE is a database summarizing global information on living aquatic resources (fish, crustaceans and mollusca) in a standardized form.

AVAILABILITY: To be decided

CHARGES: To be decided

DOCUMENTATION: To be decided

SYSTEM REQUIREMENTS: IBM or compatible; CD-ROM reader.

CONTACT: Director General ICLARM
MC P.O. Box 1501
Makati
Metro Manila 1299
PHILIPPINES

G L O S S A R Y

Listing Format

GLOSSARY

The following terms are used for describing software and data products.

SOFTWARE APPLICATION: One or two line title or description of application.

ENTRY DATE: Date of entry of description in the inventory.

SUMMARY: Text description of the function and major features of this software.

AVAILABILITY: Statement of restrictions, if any.

CHARGES: List any charges for a copy of the software.

DOCUMENTATION: Description of documentation available with the software.

ICES/IODE CENTER: Name of center which contributed this item.

SYSTEM REQUIREMENTS: List of hardware, operating system, and special equipment needed to use the software.

CONTACT: Name and address of person and/or center to contact for more information about the software, or to request a copy of the software.