

DATA DOCUMENTATION FORM

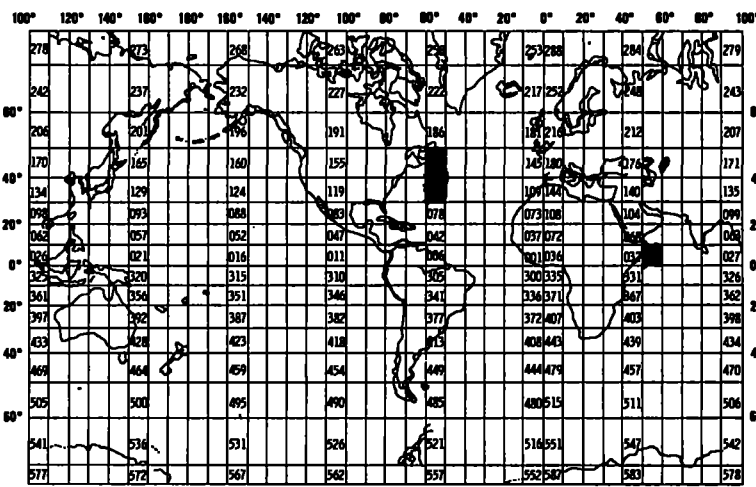
Rec'd 7/28/77

13L2625
ADM L124NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED Dept. of Earth and Planetary Sciences Massachusetts Institute of Technology Cambridge MA 20139 02139			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED POLYMODE II-2 IIWA3 (INTERMEDIATE INTERNAL WAVE ARRAY #3) INDEX		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
4. PLATFORM NAME(S) WHOI Buoys	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Buoy	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR U.S. U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 12/7/75 1/3/77
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) DR. CARL Wunsch (MIT) Charmaine King (617) 253-5259			

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Salinity	700	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	ϕ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING
TWO PAGES FOR THIS INFORMATION)

100

USCOMM-DC 44289-P72

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING

C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

File Label Record

Detail (Data) Record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

The first record of each file is the file label record.

This is followed by N detail records

where $N = \text{NPTS}/50 + 1$

NPTS = No. of valid data points

50 temperature, pressure value sets fit on each record.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Charmaine King (617) 253-5259

ADDRESS 24-408, MIT, Cambridge, MA 02139

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> .6 inch</p>
<p>6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 Standard IBM, CDC, Honeywell <input checked="" type="checkbox"/> 1 Byte CCW</p>
<p>7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NL 32FILES 9 TRACK EBCDIC DCB=(RECFM=FB. LRECL=900, BLKSIZE=6300)</p>
<p>8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES 6300</p>
	<p>13. LENGTH OF BYTES IN BITS 8</p>

RECORD FORMAT DESCRIPTION

RECORD NAME FILE LABEL RECORD

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
BLANK	1	1	bytes	1x	BLANK
DESIG	2	8	"	A8	MIT Mooring, System designation
RLAT	10	10	"	F10.5	North latitude
RLONG	20	10	"	F10.5	West Longitude
ISYS	30	4	"	I4	System number
DEPTH	34	7	"	F7.1	Depth in meters
STIME	41	14	"	F14.6	Start time of data Julian hours (no. of hours since Jan 1, 1900, 0:0)
SMNTH	55	3	"	I3	Month of data start time
SDAY	58	3	"	I3	Day of data start time
SYR	61	5	"	I5	Year of data start time
SHR	66	3	"	I3	Hour of data start time (G.M.T.)
SMIN	69	3	"	I3	Minute of data start time
ENDTIM	72	14	"	F14.6	End time of data - Julian hours
EMNTH	86	3	"	I3	Month of data end time
EDAY	89	3	"	I3	Day of data end time
EYR	92	5	"	I5	Year of data end time
EHR	97	3	"	I3	Hour of data end time (G.M.T.)
EMIN	100	3	"	I3	Minute of data end time
NPTS	103	6	"	I6	No. of points of valid temp. or press. data in file
DEL	109	9	"	F9.6	Time in hours between 2 consecutive data points
COMM	118	28	"	7A4	Comment
IDUM	146	755	"	755I1	Dummy - fills in record for fixed block format

RECORD FORMAT DESCRIPTION

RECORD NAME Detail (data) record

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
(1) T	1	9	Bytes	F9.4	Temperature (°C)
(1) P	10	9	"	F9.2	Pressure (Decibars)
(2) T	19	9	"	F9.4	
(2) P	28	9	"	F9.2	
"					
"					
"					
(50) T	883	9	"	F9.4	
(50) P	892	9	"	F9.2	
					NOTE: T,P array size must be rounded up to next 50:
					NPTS = 7920 P(7950) T(7950)

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	

FILE	DESIG.	LAT(N)	LONG(W)	COMMENT
1	POLYMODEII2	WH05732	41.48833	54.97667 T,P T SLIGHTLY OFFSCALE
2	POLYMODEII2	WH05742	40.45168	55.05000 T,P
3	POLYMODEII2	WH05752	39.50333	54.99850 T,P
4	POLYMODEII2	WH05762	38.49300	54.92332 T,P
5	POLYMODEII2	WH05772	37.47884	55.01633 T,P
6	POLYMODEII2	WH05782	35.97166	53.75667 T,P P SLIGHTLY OFFSCALE
7	POLYMODEII2	WH05792	35.91650	54.86833 T,P MOORING DRAG, P OFF-SCALE
8	POLYMODEII2	WH05795	35.91650	54.86833 T,P MOORING DRAG, T OFF-SCALE
9	POLYMODEII2	WH05797	35.91650	54.86833 T,P MOORING DRAG
10	POLYMODEII2	WH05802	31.58667	54.93333 T,P
11	POLYMODEII2	WH05812	34.92667	55.07832 T,P LEAST SIGNIF. BIT STUCK
12	POLYMODEII2	WH05822	35.54668	55.12666 T,P MOORDRG OFFSC T EDITED
13	POLYMODEII2	WH05825	35.54668	55.12666 T,P SLIGHT MOORING DRAG
14	POLYMODEII2	WH05827	35.54668	55.12666 T,P SLIGHT MOORING DRAG
15	POLYMODEII2	WH05832	35.87500	55.04167 T,P
16	POLYMODEII2	WH05834	35.87500	55.04167 T,P
17	POLYMODEII2	WH05836	35.87500	55.04167 P ONLY. T=3.8 OFFSCALE
18	POLYMODEII2	WH05838	35.87500	55.04167 T,P
19	POLYMODEII2	WH58311	35.87500	55.04167 T,P
20	POLYMODEII2	WH58312	35.87500	55.04167 T,P
21	POLYMODEII2	WH05842	35.94833	59.02499 T,P P OFFSCALE T GAP
22	IIWA3	00191	0.75167	-53.00166 T,P
23	IIWA3	00192	0.75167	-53.00166 P USED T=1.31
24	IIWA3	00193	0.75167	-53.00166 T,P
25	IIWA3	00194	0.75167	-53.00166 T,P
26	IIWA3	00203	0.75167	-52.98300 T,P EXTENSIVELY EDITED
27	IIWA3	00204	0.75167	-52.98300 T,P
28	IIWA3	00211	0.76733	-52.99333 T,P T ? AT END
29	IIWA3	00212	0.76733	-52.99333 T,P
30	INDEX	WH05942	0.01000	-52.99333 T,P PARTIAL RECORD
31	INDEX	WH05955	1.50000	-53.00000 T,P
32	INDEX	WH05961	0.0	-57.00000 T,P

The National Oceanographic Data Center (NODC) and the National Geophysical and Solar-Terrestrial Data Center (NGSDC) are responsible, under an agreement with the National Science Foundation, for the archival of all data collected in the IDOE. In addition, NODC monitors the timely submission of the data, and both centers contribute to the annual publication "International Decade of Ocean Exploration Progress Report." The latest issue, published in October, 1978 and covering the period from April, 1977 to April, 1978, is Volume 7 of the report series. These reports include a bibliography of the MODE Program.

PRE-MODE-1:

CURRENT OBSERVATIONS

on one GATE-formatted* magnetic tape
 Current speed and direction
 North and East components, temperature
 26 moorings with a total of 38 current meters
 208,000 sets of measurements
 WHOI, R. E. Payne
 Period: Feb 1 to Sep 1, 1972
 NODC Accession Number: 78-0339

CURRENT OBSERVATIONS

on one GATE-formatted* magnetic tape
 Current speed and direction
 North and East components, temperature
 13 moorings with a total of 28 current meters
 105,000 sets of measurements
 WHOI, R. E. Payne
 Period: Aug 2, 1971 to Mar 31, 1972
 NODC Accession Number: 78-0016

MODE-1 PERIOD:

CURRENT OBSERVATIONS

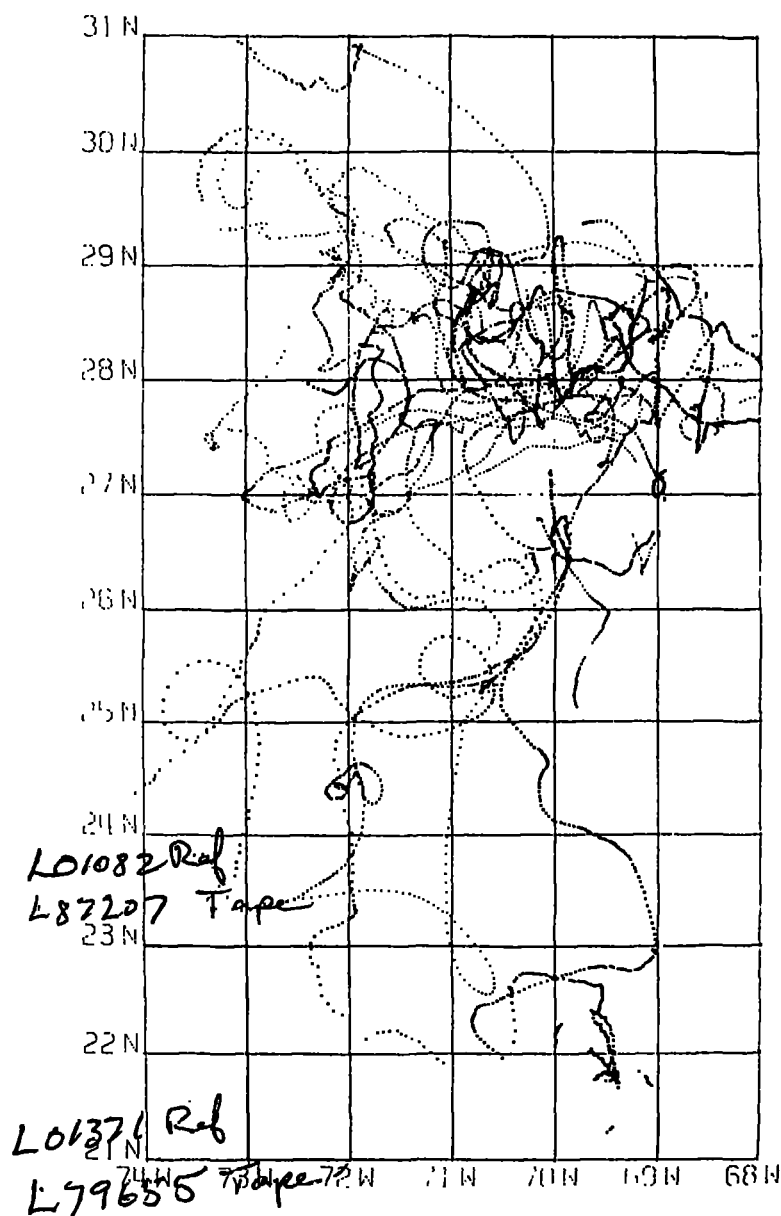
on one GATE-formatted* magnetic tape
 Current speed and direction
 North and East components, temperature
 16 moorings with a total of 45 current meters
 183,562 sets of measurements
 WHOI, N. Fofonoff, W. Schmitz, F. Webster
 Period: Mar 10 to Jul 3, 1973
 NODC Accession Number: 77-0106

INVERTED ECHO-SOUNDER DATA

on magnetic tape as card images
 Acoustic travel time from ocean bottom to surface and back
 7 instrument sites
 235 instrument days of hourly measurements
 Yale U., H. T. Rossby
 Period: Mar 19 to Jul 3, 1973
 NODC Accession Number: 76-0779

OCEAN-BOTTOM MEASURED PRESSURES

on one magnetic tape
 Pressure in mb or water depth in cm
 5 instruments, 4 locations
 7 time periods
 14,566 measurements
 U. Cal San Diego, W. Munk, F. Snodgrass, W. Brown
 Period: Mar 12 to Jul 9, 1973
 NODC Accession Number: 77-0231



"Spaghetti" diagram in which all SOFAR float trajectories from November 1972 to December 1974 are superposed (NODC Accession Number 74-0622).

* The GATE Format is a digital magnetic tape format originally devised for the exchange of data among the scientists and institutions participating in the GARP Atlantic Tropical Experiment. GARP is the Global Atmospheric Research Program.

Investigator: T. Richardson (WHOI), N. Polunin (WHOI)
No.: OCE75-08765, NSF/OCE75-03962
Project: POLYMODE Rings
Data: 15 CTD stations in the western North Atlantic, taken
aboard RV KNORR, Cruise K-60, October 3 to 19, 1976.
Data received on magnetic tape in GATE format.

NODC Accession No.: 77-0831 319152
Organization: Woods Hole Oceanographic Institution
Investigator: G. Seaver (WHOI) (MIT)
Grant No.: IDO75-04215
Project: POLYMODE Rings
Data: 82 CTD stations in the western North Atlantic taken
aboard RV CHAIN cruise CH-118, January 22 to February
2, 1975. Data received on magnetic tape in GATE format.

NODC Accession No.: 77-0569
Organization: Massachusetts Institute of Technology
Investigator: C. Wunsch (MIT)
Grant No.: IDO75-03998 ✓ 3
Project: POLYMODE Moorings 13641
Data: 750,000 temperature and pressure values in the POLY-
MODE area from December 7, 1975, to January 3, 1977,
submitted on NODC-compatible magnetic tape.

NODC Accession No.: 77-0552 #13 UK
Ship/Cruises: TRIDENT/TR-133, TR-136, 5/9/73-6/1/73,
3/12/73-4/4/73

Investigators/Grant Nos.: R. Scarlett (MIT)/GX-31340
D. Hanson (AOML)/AG-385

Data: 99 CTDs on magnetic tape (GATE format);

Ship/Cruise: HUNT/73 leg 3, May 1973

Investigator/Grant No.: W. Brown (SIO)/GX-31340

Ship/Cruise: HUNT/73 leg 3.5, May to June 1973

Investigator/Grant No.: D. Moore (MIT)/GX-29034

Ship/Cruise: HUNT/73 leg 5, June to July 1973

Investigator/Grant No.: D. Moore (MIT)/GX-29034

Data: 315 CTDs on magnetic tape in GATE format;

Ship/Cruise: RESEARCHER/73-1 leg 1, March 1973

Investigator/Grant: A. Leetmaa (AOML)/AG-385

Data: 37 CTDs on magnetic tape in GATE format;

Ship/Cruise: RESEARCHER/73-1 leg 2, April 1973

Investigator/Grant: A. Leetmaa (AOML)/AG-385

Data: 52 CTDs on magnetic tape in GATE format;

Ship/Cruise: RESEARCHER/73-1 leg 3, May 1973

Investigator/Grant: D. Hanson (AOML)/AG-385

Data: 74 CTDs on magnetic tape in GATE format;

Ship/Cruise: RESEARCHER/73-1 leg 4, June 1973

NODC Accession No.: 77-0437

Ship/Cruise: CHAIN/CH-112 legs 1, 2, 3/6/73-4/20/73

Investigator/Grant No.: D. Hanson (AOML)/AG-385

R. Heinmiller (WHOI)/GX-29054

Data: 152 CTDs on magnetic tape in GATE format.

MODE and POLYMODE Bibliography

Chhabra, N. K.

1977. Dynamic motions of a subsurface mooring system at
anchor impact after its free fall to the ocean floor. The
Charles Stark Draper Laboratory, Inc., Rpt. No. R-1079,
57 p. Cambridge, Mass.

Clarke, A. J.

1977. Observational and numerical evidence for wind-forced
coastal trapped long waves. J. Phys. Oceanogr. 7:231-247.

Dow, D. L., H. T. Rossby, and S. R. Signorini.

1977. SOFAR floats in MODE, final report trajectory data.
Tech. Rpt. No. 77-3, Univ. R.I., 108 p.

Flierl, G. R.

1977a. Sample applications of McWilliams "A note on a con-
sistent quasigeostrophic model in a multiply connected do-
main." Dyn. Atmos. Oceans 1:443-453.

1977b. The application of linear quasigeostrophic dynamics to
Gulf Stream rings. J. Phys. Oceanogr. 7:365-379.

Flierl, G. R., and A. R. Robinson.

1977. XBT measurements of thermal gradients in the MODE
eddy. J. Phys. Oceanogr. 7:300-302.

Heinmiller, R. H.

1974. Cruise report CHAIN 116, July 22-August 10, 1974.
Woods Hole Oceanogr. Inst. Tech. Rpt. WHOI-74-77, 35 p.

Heinmiller, R. H., Jr., and R. A. La Rochelle.

1977. Field experience with acoustic releases at the Woods
Hole Oceanographic Institution, Tech. Rpt. WHOI-77-10,
9 p.

POLYMODE XBT Group.

1977a. Trans-Atlantic XBT section by the Soviet Research
Vessel AKADEMIK VERNADSKY. October 1976. XBT Tech.
Rpt. 77-1, POLYMODE XBT GROUP, Woods Hole
Oceanogr. Inst., 7 p.

1977b. XBT survey of two mesoscale features in the NW
North Atlantic by the Soviet Research Ship AKADEMIK
VERNADSKY October 1976. XBT Tech. Rpt. 77-2, POLY-
MODE XBT GROUP Woods Hole Oceanogr. Inst., 10 p.

Rhines, P. B. (editor).

1976. Theory and modelling of ocean eddies: Contribution of

POST MODE-1 DATA:

**SUBSURFACE TEMPERATURE DATA FROM BUOY
MOORINGS** on one magnetic tape

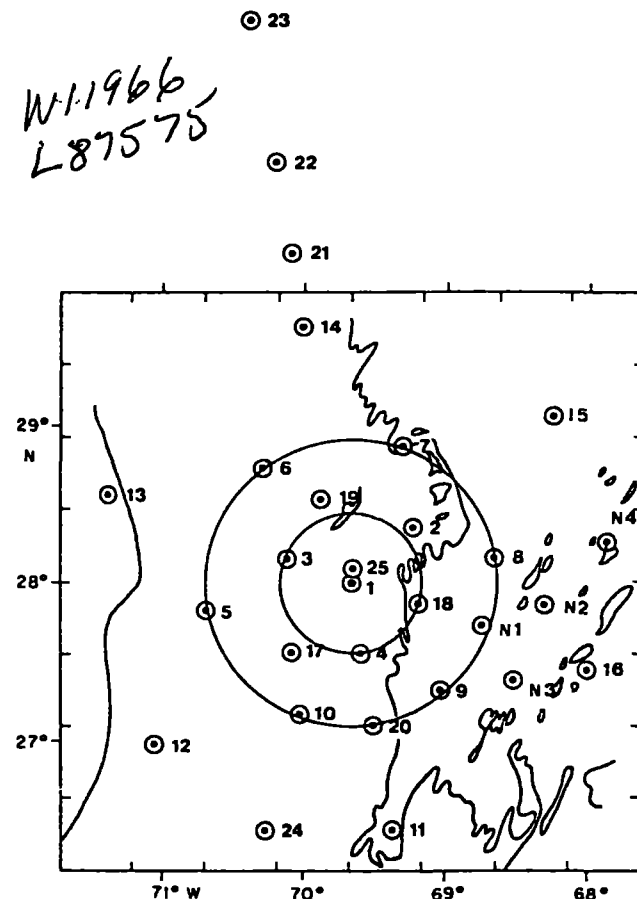
Temperature, pressure, depth on mooring line
4 moorings, total of 35 instrumented levels
336,490 measurements
MIT-Draper Lab, C. Wunsch
Period: Dec 13, 1973-Apr 20, 1974: 2 moorings
Apr 20 to Jul 29, 1974: 2 moorings
NODC Accession Number: 75-0727

**DIGITIZED EXPENDABLE BATHYTHERMOGRAPH
(XBT) DATA**

Depth, temperature
494 XBT's
AOML
R/V OCEANOGRAPHER, Cruise RP5-OC4,
section 1, NODC Cruise No. 48840,
Feb 27 to Mar 8, 1974 (cruise dates)
section 2, NODC Cruise No. 48841,
May 11 to 15, 1974 (cruise dates)
section 3, NODC Cruise No. 48842,
Jun 6 to 14, 1974 (cruise dates)
section 4, NODC Cruise No. 45282,
Sep 26 to Oct 27, 1974 (cruise dates)
NODC Accession Number: 75-0761

**DIGITIZED EXPENDABLE BATHYTHERMOGRAPH
(XBT) DATA**

Depth, temperature
285 XBT's
WHOI
R/V CHAIN, Cruise CH-118; NODC Cruise No.
50531
Period: Jan 22 to Feb 2, 1975 (cruise dates)
NODC Accession Number: 76-1423



Requests for selective retrieval, graphic plots, statistical summaries, and other data products derived from the MODE-1 data sets will be discussed on a case-by-case basis. A cost estimate will be provided before any special job is begun.

The names of Investigators and their institutions are included for information only. All inquiries should be addressed to:

**SUBSURFACE OBSERVATIONS OF AN ISOPYCNAL
SURFACE USING A TOW FISH on 4 magnetic tapes**

Pressure, temperature, conductivity
Hull temperature
19,069 one-minute records
WHOI, E. Katz, R. Nowak
R/V CHAIN, Cruise CH-112, legs 3&5
Period: Apr 14-26 and Jun 2-6, and 16-20, 1973
NODC Accession Number: 74-0161

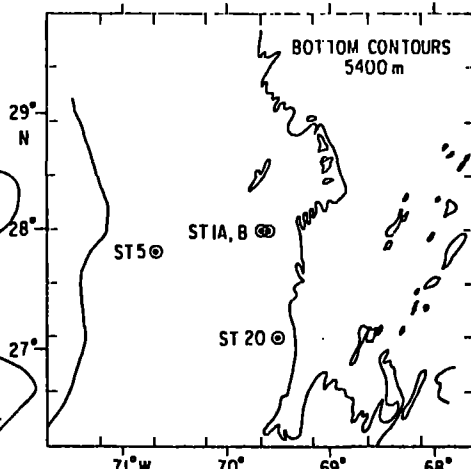
*Not in
D. 278*

*W049340 W04987
W63044*

**CURRENT MEASUREMENTS FROM A FREE-FALL
ELECTROMAGNETIC VELOCITY PROFILER
on one magnetic tape**

Depth (pressure), temperature
East and North velocity components
111 "up" or "down" profiles
WHOI, T. Sanford
R/V CHAIN, Cruise CH-112, legs 4&5
Period: May 15-25 and Jun 9-15, 1973
NODC Accession Number: 76-0732

*W01712
L87576*



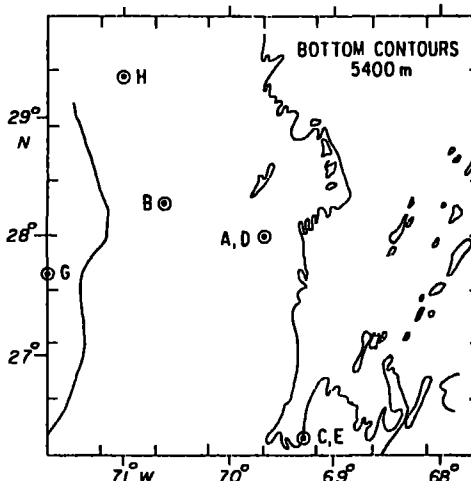
Station locations used in Ocean-Bottom Measurements of Electrical Potential, NODC Accession Number 77-0261.

**DIGITIZED EXPENDABLE BATHYTHERMOGRAPH
(XBT) DATA**

Depth, temperature
99 XBT's
WHOI
R/V CHAIN, Cruise CH-112, leg 5; NODC
Cruise No. 45198
Period: Jun 6-13, 1973 (cruise dates)
NODC Accession Number: 74-0724

**DIGITIZED EXPENDABLE BATHYTHERMOGRAPH
(XBT) DATA**

Depth, temperature
203 XBT's
AOML
R/V HUNT, Cruise 73, leg 3.5; NODC Cruise
No. 44911
Period: May 25 to Jun 1, 1973 (cruise dates)
NODC Accession Number: 74-0623



Inverted Echo Sounder locations, NODC Accession Number 76-0779.

**C/STD (Conductivity/Salinity-Temperature-Depth)
DATA on 3 GATE-formatted* magnetic tapes**

416 C/STD's
AOML, D. Hansen, A. Leetmaa
R/V RESEARCHER, Cruise 73-1, legs 1-4;
Mar 16 to Jul 11, 1973 (cruise dates)
R/V TRIDENT, Cruises TR133, TR136;
Mar 16 to May 30, 1973 (cruise dates)
R/V HUNT, Cruise 73, legs 3, 3.5, 5; Apr 25-
Jun 23, 1973 (cruise dates)
NODC Accession Number: 77-0552

HIGH RESOLUTION C/STD DATA
on one GATE-formatted* magnetic tape
148 high resolution C/STD's
MIT, R. Scarlet
R/V CHAIN, Cruise CH-112; NODC Cruise No.
3100071
Period: Mar 11 y
Period: Mar 11 to Jul 5, 1973
NODC Accession Number: 77-0437

Data reports and technical reports for MODE and IDOE are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

The data sets listed here are available as tape copies at a cost of \$60 per tape. This includes a sample printout and the supporting documentation necessary to read formats and interpret the data. In a few cases where the data set is small, a complete listing of the data can be provided at the cost of preparation. Payment for data should be made to: US Department of Commerce-NODC.

OCEAN-BOTTOM MEASURED ELECTRICAL POTENTIAL on one magnetic tape

East and North components of electrical potential in units of 10^{-8} volts/meter, at intervals of 64 seconds

7 files of data from 3 locations

469,000 measurements (approximately)

Scripps and U. Cal San Diego, C. Cox, V.

Vacquier, J. Filloux, R. Parker

Period: Mar 20 to Jul 8, 1973

NODC Accession Number: 77-0261

W61185

W01194

SUBSURFACE POSITION DATA FROM FIVE INSTRUMENTED SOFAR FLOATS on one magnetic tape (this is a subset of the data set described above)

Time, depth, position, temperature

Float rotation rate, pressure, vertical velocity

10 launches, 315 data days

WHOI, A. Voorhis

Period: Apr 7 to Jul 8, 1973

NODC Accession Number: 75-0548

SUBSURFACE POSITION DATA FROM 20 SOFAR FLOATS on one magnetic tape

Time, depth, position

40 launches

4555 data days (maximum of 6 fixes a day)

WHOI & Yale U., A. Voorhis, D. Webb,

H. T. Rossby

Period: Sep 8, 1972 to Apr 30, 1974

NODC Accession Number: 74-0622

SUBSURFACE TEMPERATURE DATA FROM BUOY MOORINGS on one magnetic tape

Temperature, pressure, depth on mooring line

16 moorings, total of 53 instrumented levels

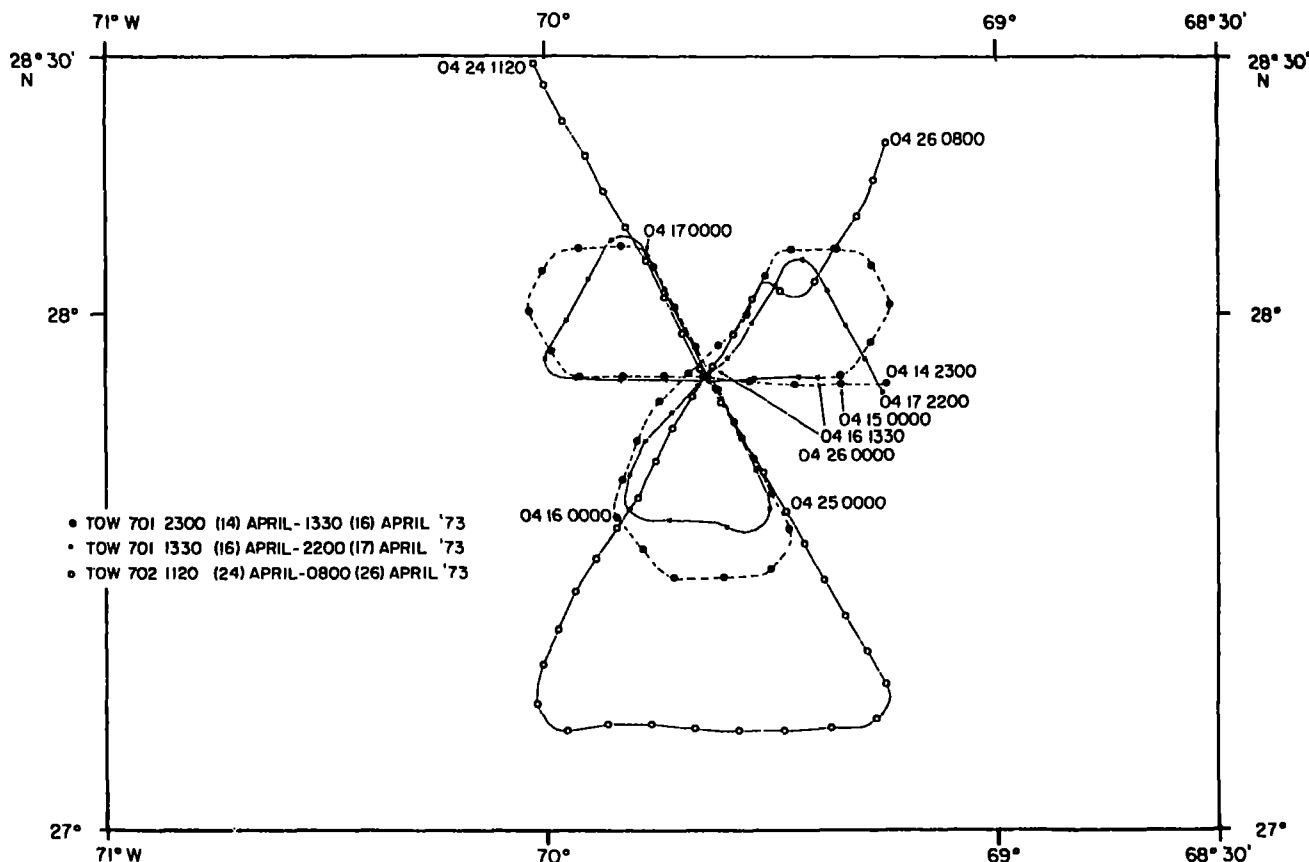
449,399 measurements

MIT-Draper Lab, C. Wunsch

Period: Mar 11 to Jul 4, 1973

NODC Accession Number: 74-0845

W11964
L87574



Subsurface Observations of an Isopycnal Surface Using a Tow Fish: April station locations for tows (NODC Accession Number: 74-0161).

200897

W04934 W04987

74 00161

El'katz Towed STD
MODE Project

74 -0405
77 -0162

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7700569	L124	BL2625	0087	3182	317F	1975/12/07	NULL	304712

(1 row affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
7700569	L124	BL2625	317F	7920	0	75/12/07	77/01/03

(1 row affected)