

ACCESSION
NUMBER

8600064

DATA DOCUMENTATION FORM

TT6215 - TT6235

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 41-R2631
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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

TAPE SP0733

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 Science Applications International Corporation 4900 Water's Edge Drive, Suite 255 Raleigh, North Carolina 27606			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Gulf of Mexico Physical Oceanographic Study		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT Mooring ID's MOE1, MOE2, MOE3, MOF1, MOF2, MOG1, MOG2, MOG3, MOG4, MOG5, MOG6	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Buoy	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 1/83 1/85
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 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) Bob Wayland 1(919) 851-8356			

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)

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
Currents	cm/s	General Oceanics Model 6011 Mark I and Mark II current meters		N/A
Temperature	° C	General Oceanics Model 6011 Mark I and Mark II current meters		
Pressure	DB	Modified Geodyne VACM		

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

NODC File Type 015

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

21 files, each file on a separate tape file

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Tony Martin, 1 (919) 851-8356

ADDRESS Science Applications International Corp, 4900 Water's Edge Dr., #255
Raleigh, North Carolina 27606

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> IBM</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">SP0733</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">3600</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">60</p>

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 (✓)	
General Oceanics Mark I & Mark II			General Oceanics		X				
Modified Geodyne VACM			Florida St. University		X				

TT6215 -

PROJECT IDENTIFICATION 0125

GULF OF MEXICO

ACCESSION NO. 8600064

FILETYPE F015

TRACK NO. TT6235

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	12/19/85	1K	SP4733 - A00176	21	60	3600	313-504
DUPLICATE TAPE	3/12/85	1K	W07857	63	60	3600	205
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

Handwritten marks and scribbles on the right side of the page.

00264 DATA ENTRY INFORMATION SYSTEM (SUBMISSIONS)

DATE OF ENTRY: 02/26/86 .ACCESSION NUMBER: 8600064
DATE OF RECEIPT: 02/16/86 FORMER ACCESSION NUMBER: (RESUBS ONLY)

SUBMITTER'S NAME: MR. ROBERT WAYLAND (FIRST M. I. LAST)
SUBMITTER'S ADDRESS: SCIENCE APPLICATIONS INT'L CORP.
ADDRESS: 4900 WATER'S EDGE DRIVE SUITE 255
CITY: RALEIGH STATE: NC ZIP: 27606
COUNTRY:
NODC SUBMITTER CODE: NONE SUBMISSION PRIORITY: NORMAL
L.O. AREA: SE

CONTENTS OF SUBMISSION

DOCUMENTATION? NODC MAGNETIC TAPE(S)? DIGI DISKETTE(S)? no
STRIP CHART(S)? no LOG SHEET(S)? no MAP(S)/CHART(S)? no
PUBLICATION(S)? no MICROFORM(S)? no CASSETTE(S) no
Press PgDn to continue

DESCRIPTION: TWO TAPES OF GULF OF MEX. CURRENT DATA (SP0731 AND SP0733)
(to be entered on Submitter acknowledgement letter)

SUBMISSION MANAGER (3 INITIALS): SJH

DATE TRANSFERRED TO SUBMISSION MANAGER : 02/16/86

SUBMITTER ACKNOWLEDGEMENT DATE: / /

ENTIRE SUBMISSION ON "HOLD" STATUS

WHEN: / / WHY: WHO'S RESPONSIBLE: RESTART DATE: / /
REASON:
WHEN: / / WHY: WHO'S RESPONSIBLE: RESTART DATE: / /
REASON:
SUBMITTER CONTACTED ON: / /

ENTIRE SUBMISSION CANCELLED

WHEN: / / DISPOSITION:

REASON:

A 00 173
A 00 176



Science Applications International Corporation

December 13, 1985

Dr. Francis Mitchell
NOAA/NODC
3300 Whitehaven Street NW
Washington DC 20235

MMS / GULF OF MEXICO
PHYSICAL OCEANOGRAPHY

Dear Dr. Mitchell:

Enclosed are two 2400 feet magnetic tapes containing current meter data for years one and two (1/83 to 1/85) of the Gulf of Mexico Physical Oceanographic Study (NODC project code 0125). SP0731 contains 32 files with all data for moorings A, C, and D. SP0733 contains 21 files with all data for moorings E, F, and G. Both tapes are in NODC file type 015 format.

Do not hesitate to call should you have any questions.

Sincerely yours,

Tony Martin
Data Analyst

Enclosures

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TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: SAIC 4900 Water's Edge, Suite 255 Raleigh, N.C. 27606	REFER TO
	ATTENTION Tony Martin

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

- ORDINARY MAIL
 REGISTERED MAIL
 AIR MAIL
 CERTIFIED MAIL
 GOVERNMENT TRUCK
 BY HAND
 OTHER

I am returning two tapes SP0731 and SP0733. The tapes contain current meter data of the Gulf of Mexico and are in the NODC file type F015 format. I understand that the current components in the data sets are incorrect and that this particular parameter must be reviewed. No further processing of the data at NODC will be done until correct copy tapes are resubmitted.

If there are any questions, please do not hesitate to call me at (202) 634-7441.

Enclosures:

cc: Picciolo

FORWARDED BY (Signature) <i>Sid Halminski</i> Sid Halminski	TITLE Oceanographer	DATE FORWARDED 1/31/86
RECEIVED BY (Signature)	TITLE	DATE RECEIVED



Science Applications International Corporation

February 10, 1986

Dr. Tony Picciolo
NOAA/NODC
3300 Whitehaven Street NW
Washington, DC 20235

Dear Dr. Picciolo:

In response to our phone conversation of February 5, 1986 with Dr. Murray Brown (MMS) and Dr. Evans Waddell (SAIC/Raleigh) concerning NODC tape submittals, I am enclosing two 2400 foot magnetic tapes containing current meter data for Years I and II (1/83 - 1/85) of the Gulf of Mexico Physical Oceanographic Study (NODC Project Code 0125). Tape SP0731 contains 32 files with all data for moorings A, C and D, while SP0733 contains 21 files with all data for moorings E, F and G. Both tapes are in NODC File Type 015.

Please feel free to contact me should you have questions or comments.

Sincerely,

A handwritten signature in cursive script that reads "Robert J. Wayland".

Robert J. Wayland
Meteorologist/Data Manager

Enclosures

INPUT MEDIUM TO BE USED AND FUNCTION TO BE PERFORMED

FO15 RUN SCAN. PRINT 3 PAGES OF RECORDS

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
--	---

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
SP0733		9	1600	ODD	NL	FB	60	3600	21
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS <i>no double end of file</i>	ESTIMATED EXECUTION TIME
--	--------------------------------

731 USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
12/19/85			C	M.T.A.D - 1 tape

COMMENTS
 Completed by E. G. M...

USER NAME HALMINSKI	PHONE # 634 - 7441	ORG/TASK #	DATE SUBMITTED 12/19/85	DATE DUE	BIN # 33
-------------------------------	------------------------------	------------	-----------------------------------	----------	--------------------

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

F015

RUN NL COPY . SCAN OUTPUT

INPUT MEDIUM PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
---	--

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
INPUT	SP0733		9	1600	ODD	NL	FB	60	3600	21	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
OUTPUT	733		9	1600	ODD	NL	FB	60	3600	21	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS

NEED TAPE

ESTIMATED
EXECUTION
TIME

731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
12/19/85	12/19/85			C	M.T.A.0 - M.T.A.1 - 2 min.

Completed by E. G. Mason

SER NAME: **HALMINEKI** PHONE #: **634-7441** ORG/TASK # DATE SUBMITTED: **3/4/86** DATE DUE BIN #: **33**

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED
FO15 **COPY INPUT. RUN SCAND ON OUTPUT**
NEED "W" TAPE

FO15-47

INPUT MEDIUM: PAPER, CARD, DISK, **(TAPE)**, DISKETTE, OTHER(SPECIFY)
 OUTPUT MEDIUM: CARD, DISK, PRINT, **(TAPE)**, PLOT, DISKETTE, OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
INPUT	SP0733		9	1600	ODD	(NL)	FB	60	3600	21	
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURG DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURG DATE
OUTPUT	WD7857		9	1600	ODD	(SL)	FB	60	3600	63	
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNODE *3600064-02				PURG DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURG DATE

SPECIAL INSTRUCTIONS ESTIMATED EXECUTION TIME

0731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
66030405	03/11/86	08:30	08:55	C	Completed by Andy

ACCESSION
NUMBER

8600064

DATA DOCUMENTATION FORM

TT 6183 - TT 6214

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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TAPE SP#731

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<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>Science Applications International Corporation 4900 Water's Edge Drive, Suite 255 Raleigh, North Carolina 27606</p>											
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p>Gulf of Mexico Physical Oceanographic Study</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p>Mooring ID's MOA1, MOA2, MOA3, MOA4, MOA5, MOC1, MOC2, MOC3, MOD1, MDA1, MOD2, MDA2, MDA3</p>									
<p>4. PLATFORM NAME(S)</p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p>Buoy</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p>	<p>7. DATES</p> <table border="1"> <thead> <tr> <th>PLATFORM</th> <th>OPERATOR</th> <th>FROM: MO, DAY, YR</th> <th>TO: MO, DAY, YR</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>1/83</td> <td>1/85</td> </tr> </tbody> </table>	PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR			1/83	1/85
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR								
		1/83	1/85								
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</p> <p>IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p>GENERAL AREA</p>									
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		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

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TWO PAGES FOR THIS INFORMATION)

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Currents	cm/s	General Oceanics Model 6011 Mark I and Mark II current meters		N/A
Temperature	° C	General Oceanics Model 6011 Mark I and Mark II current meters		
Pressure	db	Modified Geodyne (VACM)		

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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**

NODC File Type 015

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

32 files, each on a separate tape file

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Tony Martin, 1 (919) 851-8356

ADDRESS Science Applications International Corporation, 4900 Water's Edge Dr
#255, Raleigh, North Carolina 27606

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> IBM
7. PARITY <input type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) SP0731
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"/> _____	12. PHYSICAL BLOCK LENGTH IN BYTES 3600
	13. LENGTH OF BYTES IN BITS 60

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 (✓)	
General Oceanics Mark I, Mark II			General Oceanics		X				
Modified Geodyne VACM			Florida St. University		X				

ACCESSION NO. 860064

FILETYPE F015

TRACK NO. TT6183-
TT6214

PROJECT IDENTIFICATION 0125
MMS/GULF MEXICO

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECO
ORIG. TAPE	12/19/86	H	SP0731 - A00173	32	60	3600	4721
DUPLICATE TAPE	2/13/96	H	W07641	96	60	3600	3008
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

4 DATA ENTRY INFORMATION SYSTEM
(SUBMISSIONS)

DATE OF ENTRY: 02/26/86 ACCESSION NUMBER: 8600064
DATE OF RECEIPT: 02/16/86 FORMER ACCESSION NUMBER: _____ (RESUBS ONLY)

SUBMITTER'S NAME: MR. ROBERT WAYLAND (FIRST, M. I. LAST)
SUBMITTER'S ADDRESS: SCIENCE APPLICATIONS INT'L CORP.
ADDRESS: 4900 WATER'S EDGE DRIVE SUITE 255
CITY: RALEIGH STATE: NC ZIP: 27606
COUNTRY: _____

Q

DC SUBMITTER CODE: NONE SUBMISSION PRIORITY: NORMAL
L. O. AREA: SE

CONTENTS OF SUBMISSION

DOCUMENTATION? NODC MAGNETIC TAPE(S)? DIGI DISKETTE(S)? no
TRIP CHART(S)? no LOG SHEET(S)? no MAP(S)/CHART(S)? no
PUBLICATION(S)? no MICROFORM(S)? no CASSETTE(S) no Press PgDn to continue

DESCRIPTION: TWO TAPES OF GULF OF MEX. CURRENT DATA (SP0731 AND SP0733)
(to be entered on Submitter acknowledgement letter)

SUBMISSION MANAGER (3 INITIALS): SJH

DATE TRANSFERRED TO SUBMISSION MANAGER : 02/16/86

SUBMITTER ACKNOWLEDGEMENT DATE: / /

ENTIRE SUBMISSION ON "HOLD" STATUS

WHEN: / / WHY: _____ WHO'S RESPONSIBLE: _____ RESTART DATE: / /

REASON: _____

WHEN: / / WHY: _____ WHO'S RESPONSIBLE: _____ RESTART DATE: / /

REASON: _____

SUBMITTER CONTACTED ON: / /

ENTIRE SUBMISSION CANCELLED

WHEN: / / DISPOSITION: _____

REASON: _____

A 00173
A 00176



Science Applications International Corporation

December 13, 1985

Dr. Francis Mitchell
NOAA/NODC
3300 Whitehaven Street NW
Washington DC 20235

MMS/GULF OF MEXICO
PHYSICAL OCEANOGRAPHY

Dear Dr. Mitchell:

Enclosed are two 2400 feet magnetic tapes containing current meter data for years one and two (1/83 to 1/85) of the Gulf of Mexico Physical Oceanographic Study (NODC project code 0125). SP0731 contains 32 files with all data for moorings A, C, and D. SP0733 contains 21 files with all data for moorings E, F, and G. Both tapes are in NODC file type 015 format.

Do not hesitate to call should you have any questions.

Sincerely yours,

Tony Martin
Data Analyst

Enclosures

604

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: SAIC 4900 Water's Edge, Suite 255 Raleigh, N.C. 27606	REFER TO
	ATTENTION Tony Martin

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY


ORDINARY MAIL
 REGISTERED MAIL
 AIR MAIL
 CERTIFIED MAIL
 GOVERNMENT TRUCK
 BY HAND
 OTHER

I am returning two tapes SP0731 and SP0733. The tapes contain current meter data of the Gulf of Mexico and are in the NODC file type F015 format. I understand that the current components in the data sets are incorrect and that this particular parameter must be reviewed. No further processing of the data at NODC will be done until correct copy tapes are resubmitted.

If there are any questions, please do not hesitate to call me at (202) 634-7441.

Enclosures:

cc: Picciolo

FORWARDED BY (Signature)  Sid Halminski	TITLE Oceanographer	DATE FORWARDED 1/31/86
RECEIVED BY (Signature)	TITLE	DATE RECEIVED



Science Applications International Corporation

February 10, 1986

Dr. Tony Picciolo
NOAA/NODC
3300 Whitehaven Street NW
Washington, DC 20235

Dear Dr. Picciolo:

In response to our phone conversation of February 5, 1986 with Dr. Murray Brown (MMS) and Dr. Evans Waddell (SAIC/Raleigh) concerning NODC tape submittals, I am enclosing two 2400 foot magnetic tapes containing current meter data for Years I and II (1/83 - 1/85) of the Gulf of Mexico Physical Oceanographic Study (NODC Project Code 0125). Tape SP0731 contains 32 files with all data for moorings A, C and D, while SP0733 contains 21 files with all data for moorings E, F and G. Both tapes are in NODC File Type 015.

Please feel free to contact me should you have questions or comments.

Sincerely,

A handwritten signature in cursive script that reads "Robert J. Wayland".

Robert J. Wayland
Meteorologist/Data Manager

Enclosures

HALMINGKI

654 -
7441

DATE SUBMITTED
12/19/85

33

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

FOIS

RUN SCAN. PRINT 3 PAGES OF RECORDS

INPUT MEDIUM PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
--	---

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	SP0731		9	1600	ODD	NL	FB	60	3600	32
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			

SPECIAL INSTRUCTIONS

no double end of file

ESTIMATED
EXECUTION
TIME

731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
20121903	12/19/85			C	MSTA-1 mount

Completed by E.G. Madson

HALMINENKI

634-7441

DATE SUBMITTED 12/19/85

DATE DUE

BIR 33

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

F015 MAKE NL COPY. RUN SCAN ON OUTPUT

INPUT MEDIUM PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
--	--

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL	
SP0731		9	1600	9	NL	FB	60	3600	32	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PUR DAT
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PUR DAT
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL	
731		9	1600	9	NL	FB	60	3600	32	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PUR DAT

SPECIAL INSTRUCTIONS

NEED TAPE

ESTIMATED EXECUTION TIME

731 USE ONLY

CB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
506/2150	12/19/85			C	MTA0 - MTA1 - 2 maint

Completed by G. G. Mader

OPERATOR NAME: **HALMINKI** PHONE #: **634-7441** ORG/TASK # DATE SUBMITTED: **3/14/86** DATE DUE BIN #: **33**

JOINTMENT TO BE USED AND FUNCTION TO BE PERFORMED
FOIS **COPY INPUT. RUN SCAN ON OUTPUT**
NEED "W" TAPE

FOIS-46

INPUT MEDIUM: PAPER, CARD, DISK, **TAPE**, DISKETTE, OTHER(SPECIFY)
 OUTPUT MEDIUM: CARD, DISK, PRINT, **TAPE**, PLOT, DISKETTE, OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
SP4731		9	1600	ODD	NL	FB	60	3600	32
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DATA			
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
W07641		9	1600	ODD	SL	FB	60	3600	36
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNDC # 8600064-01			

SPECIAL INSTRUCTIONS ESTIMATED EXECUTION TIME

731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
5020404	03/10/86	08:57	10:00	C	Completed by Andy

REMARKS

Password:

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
8600064	F015	TT6183	0125	312H	317F	1983/01/27	MOA1	159555
8600064	F015	TT6184	0125	312H	317F	1984/07/18	MOA1	159556
8600064	F015	TT6185	0125	312H	317F	1984/10/18	MOA1	159557
8600064	F015	TT6186	0125	312H	317F	1983/01/27	MOA2	159558
8600064	F015	TT6187	0125	312H	317F	1983/07/29	MOA2	159559
8600064	F015	TT6188	0125	312H	317F	1984/07/18	MOA2	159560
8600064	F015	TT6189	0125	312H	317F	1984/10/18	MOA2	159561
8600064	F015	TT6190	0125	312H	317F	1983/01/27	MOA3	159562
8600064	F015	TT6191	0125	312H	317F	1983/07/30	MOA3	159563
8600064	F015	TT6192	0125	312H	317F	1984/04/26	MOA3	159564
8600064	F015	TT6193	0125	312H	317F	1984/07/18	MOA3	159565
8600064	F015	TT6194	0125	312H	317F	1984/10/18	MOA3	159566
8600064	F015	TT6195	0125	312H	317F	1983/01/27	MOA4	159567
8600064	F015	TT6196	0125	312H	317F	1984/04/26	MOA4	159568
8600064	F015	TT6197	0125	312H	317F	1984/07/18	MOA4	159569
8600064	F015	TT6198	0125	312H	317F	1984/10/18	MOA4	159570
8600064	F015	TT6199	0125	312H	317F	1983/01/27	MOA5	159571
8600064	F015	TT6200	0125	312H	317F	1983/07/30	MOA5	159572
8600064	F015	TT6201	0125	312H	317F	1984/07/18	MOA5	159573
8600064	F015	TT6202	0125	312H	317F	1984/10/18	MOA5	159574
8600064	F015	TT6203	0125	312H	317F	1983/01/27	MOC1	159575
8600064	F015	TT6204	0125	312H	317F	1983/04/30	MOC1	159576
8600064	F015	TT6205	0125	312H	317F	1983/01/27	MOC2	159577
8600064	F015	TT6206	0125	312H	317F	1983/01/27	MOC3	159578
8600064	F015	TT6207	0125	312H	317F	1984/04/25	MOC3	159579
8600064	F015	TT6208	0125	312H	317F	1984/07/17	MOC3	159580
8600064	F015	TT6209	0125	312H	317F	1984/10/17	MOC3	159581
8600064	F015	TT6210	0125	312H	317F	1983/01/27	MOD1	159582
8600064	F015	TT6211	0125	312H	317F	1984/02/02	MDA1	159583
8600064	F015	TT6212	0125	312H	317F	1983/01/27	MOD2	159584
8600064	F015	TT6213	0125	312H	317F	1984/02/02	MDA2	159585
8600064	F015	TT6214	0125	312H	317F	1984/02/02	MDA3	159586
8600064	F015	TT6215	0125	312H	317F	1983/05/01	MOE3	159587
8600064	F015	TT6216	0125	312H	317F	1983/01/26	MOE3	159588
8600064	F015	TT6217	0125	312H	317F	1983/01/26	MOE3	159589
8600064	F015	TT6218	0125	312H	317F	1983/01/26	MOE3	159590
8600064	F015	TT6219	0125	312H	317F	1983/07/29	MOE3	159591
8600064	F015	TT6220	0125	312H	317F	1984/04/26	MOE3	159592
8600064	F015	TT6221	0125	312H	317F	1983/01/26	MOE3	159593
8600064	F015	TT6222	0125	312H	317F	1984/02/02	MOF1	159594
8600064	F015	TT6223	0125	312H	317F	1984/02/02	MOF2	159595
8600064	F015	TT6224	0125	312H	317F	1984/10/28	MOG1	159596
8600064	F015	TT6225	0125	312H	317F	1984/10/18	MOG2	159597
8600064	F015	TT6226	0125	312H	317F	1984/10/18	MOG3	159598
8600064	F015	TT6227	0125	312H	317F	1984/02/03	MOG4	159599
8600064	F015	TT6228	0125	312H	317F	1984/07/18	MOG4	159600
8600064	F015	TT6229	0125	312H	317F	1984/10/18	MOG4	159601
8600064	F015	TT6230	0125	312H	317F	1984/02/03	MOG5	159602
8600064	F015	TT6231	0125	312H	317F	1984/07/18	MOG5	159603
8600064	F015	TT6232	0125	312H	317F	1984/10/18	MOG5	159604
8600064	F015	TT6233	0125	312H	317F	1984/02/03	MOG6	159605
8600064	F015	TT6234	0125	312H	317F	1984/07/18	MOG6	159606
8600064	F015	TT6235	0125	312H	317F	1984/10/18	MOG6	159607

(53 rows affected)

Password:

accNo	flea	refNo	ship	staCnt	recCnt	startDate	endDate
8600064	F015	TT6183	317F	14	35719	83/01/27	84/02/01
8600064	F015	TT6184	317F	2	1903	84/07/18	84/08/01
8600064	F015	TT6185	317F	4	4690	84/10/18	85/01/01
8600064	F015	TT6186	317F	7	17550	83/01/27	83/07/01
8600064	F015	TT6187	317F	8	18140	83/07/29	84/02/01
8600064	F015	TT6188	317F	4	4398	84/07/18	84/10/01
8600064	F015	TT6189	317F	4	4692	84/10/18	85/01/01
8600064	F015	TT6190	317F	5	9303	83/01/27	83/05/01
8600064	F015	TT6191	317F	8	18139	83/07/30	84/02/01
8600064	F015	TT6192	317F	4	3972	84/04/26	84/07/01
8600064	F015	TT6193	317F	2	1891	84/07/18	84/08/01
8600064	F015	TT6194	317F	4	4692	84/10/18	85/01/01
8600064	F015	TT6195	317F	14	35715	83/01/27	84/02/01
8600064	F015	TT6196	317F	4	3979	84/04/26	84/07/01
8600064	F015	TT6197	317F	2	1395	84/07/18	84/08/01
8600064	F015	TT6198	317F	4	4691	84/10/18	85/01/01
8600064	F015	TT6199	317F	5	10846	83/01/27	83/05/01
8600064	F015	TT6200	317F	8	18137	83/07/30	84/02/01
8600064	F015	TT6201	317F	1	299	84/07/18	84/07/18
8600064	F015	TT6202	317F	4	4687	84/10/18	85/01/01
8600064	F015	TT6203	317F	25	34927	83/01/27	85/01/01
8600064	F015	TT6204	317F	22	30446	83/04/30	85/01/01
8600064	F015	TT6205	317F	25	34927	83/01/27	85/01/01
8600064	F015	TT6206	317F	16	43645	83/01/27	84/04/01
8600064	F015	TT6207	317F	4	7951	84/04/25	84/07/01
8600064	F015	TT6208	317F	4	8829	84/07/17	84/10/01
8600064	F015	TT6209	317F	4	9404	84/10/17	85/01/01
8600064	F015	TT6210	317F	13	17310	83/01/27	84/01/01
8600064	F015	TT6211	317F	12	17078	84/02/02	85/01/01
8600064	F015	TT6212	317F	14	17851	83/01/27	84/02/01
8600064	F015	TT6213	317F	12	17078	84/02/02	85/01/01
8600064	F015	TT6214	317F	12	33624	84/02/02	85/01/01
8600064	F015	TT6215	317F	21	30480	83/05/01	85/01/01
8600064	F015	TT6216	317F	25	35048	83/01/26	85/01/01
8600064	F015	TT6217	317F	25	35052	83/01/26	85/01/01
8600064	F015	TT6218	317F	5	9124	83/01/26	83/05/01
8600064	F015	TT6219	317F	8	18898	83/07/29	84/02/01
8600064	F015	TT6220	317F	10	26303	84/04/26	85/01/01
8600064	F015	TT6221	317F	25	70093	83/01/26	85/01/01
8600064	F015	TT6222	317F	12	17084	84/02/02	85/01/01
8600064	F015	TT6223	317F	12	17085	84/02/02	85/01/01
8600064	F015	TT6224	317F	4	4256	84/10/28	85/01/01
8600064	F015	TT6225	317F	4	4694	84/10/18	85/01/01
8600064	F015	TT6226	317F	2	1335	84/10/18	84/11/01
8600064	F015	TT6227	317F	4	5212	84/02/03	84/05/01
8600064	F015	TT6228	317F	4	4393	84/07/18	84/10/01
8600064	F015	TT6229	317F	4	4693	84/10/18	85/01/01
8600064	F015	TT6230	317F	4	5467	84/02/03	84/05/01
8600064	F015	TT6231	317F	4	4401	84/07/18	84/10/01
8600064	F015	TT6232	317F	4	4693	84/10/18	85/01/01
8600064	F015	TT6233	317F	4	5281	84/02/03	84/05/01
8600064	F015	TT6234	317F	4	4400	84/07/18	84/10/01
8600064	F015	TT6235	317F	4	4693	84/10/18	85/01/01

(53 rows affected)

ACCESSION NO. 8500064

FILETYPE C100

CRUISE
TRACK NO. 340895-985

PROJECT
IDENTIFICATION ICES

STEP	DATE	INIT.	(TAPE OR DISK) DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE			FINLAN	5	80	2000	66,889
DUPLICATE TAPE			W07205 *	5	80	2000	66,889
REFORMATTED TAPE			*See ATTACHED	91			72,484
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

* DSN = DNODE*85NOD&95-01.

Reformatted tapes
are SDF ASCII, SDI (112) format

<u>TAPE #</u>	<u>DSN</u>	<u>CRUISES</u>	<u>NO OF FILES</u>	<u>RECORDS</u>
W11189	DNODC*FINLAND1.	340895-904	10	8,113
W07139	DNODC*FINLAND2.	340905-340916	12	15,867
W03183	DNODC*FINLAND3.	340917-340931	15	20,955
W14879	DNODC*FINLAND4.	340932-340958	27	16,551
W01054	DNODC*FINLAND5.	340959-340985	27	10,998
				<u>72,484</u>

SS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8500064	340895	C100		3401	34AR		06/07/62	07/04/62	71	760
8500064	340896	C100		3401	34AR		07/17/62	08/01/62	27	333
8500064	340897	C100		3401	34AR		09/08/62	09/25/62	81	778
8500064	340898	C100		3401	34AR		10/07/62	10/10/62	26	248
8500064	340899	C100		3401	34AR		06/12/63	08/08/63	166	1,707
8500064	340900	C100		3401	34AR		08/27/63	09/10/63	91	876
8500064	340901	C100		3401	34AR		05/28/64	06/12/64	102	1,248
8500064	340902	C100		3401	34AR		06/22/64	07/17/64	94	1,145
8500064	340903	C100		3401	34AR		07/31/64	08/11/64	60	790
8500064	340904	C100		3401	34AR		09/01/64	09/04/64	15	228
8500064	340905	C100		3401	34AR		05/10/65	07/07/65	211	2,358
8500064	340906	C100		3401	34AR		07/27/65	08/04/65	50	572
8500064	340907	C100		3401	34AR		06/03/66	07/08/66	261	2,485
8500064	340908	C100		3401	34AR		08/01/66	08/10/66	36	305
8500064	340909	C100		3401	34AR		09/21/66	09/26/66	31	338
8500064	340910	C100		3401	34AR		06/04/67	08/08/67	199	1,601
8500064	340911	C100		3401	34AR		06/02/68	08/01/68	171	1,491
8500064	340912	C100		3401	34AR		09/24/68	10/11/68	89	1,101
8500064	340913	C100		3401	34AR		10/22/68	10/29/68	51	608
8500064	340914	C100		3401	34AR		11/11/68	11/20/68	68	825
8500064	340915	C100		3401	34AR		06/04/69	08/12/69	225	2,517
8500064	340916	C100		3401	34AR		10/03/69	10/28/69	160	1,666
8500064	340917	C100		3401	34AR		06/03/70	09/10/70	245	2,436
8500064	340918	C100		3401	34AR		10/28/70	11/17/70	145	1,472
8500064	340919	C100		3401	34AR		06/01/71	06/22/71	100	870
8500064	340920	C100		3401	34AR		07/09/71	08/13/71	76	823
8500064	340921	C100		3401	34AR		01/11/72	02/01/72	159	1,577
8500064	340922	C100		3401	34AR		06/02/77	08/03/72	202	2,046
8500064	340923	C100		3401	34AR		11/09/72	11/22/72	136	922
8500064	340924	C100		3401	34AR		01/04/73	01/23/73	145	1,743
8500064	340925	C100		3401	34AR		05/06/73	07/20/73	183	2,285
8500064	340926	C100		3401	34AR		07/31/73	08/16/73	75	823
8500064	340927	C100		3401	34AR		11/16/73	11/29/73	71	814
8500064	340928	C100		3401	34AR		05/15/74	06/19/74	111	1,384
8500064	340929	C100		3401	34AR		07/08/74	09/05/74	239	2,684
8500064	340930	C100		3401	34AR		10/15/74	11/06/74	49	524
8500064	340931	C100		3401	34AR		11/18/74	11/27/74	52	552
8500064	340932	C100		3401	34AR		04/04/75	04/07/75	9	54
8500064	340933	C100		3401	34AR		05/07/75	05/16/75	42	514
8500064	340934	C100		3401	34AR		05/27/75	06/12/75	61	1,735
8500064	340935	C100		3401	34AR		07/09/75	09/25/75	270	2,874
8500064	340936	C100		3401	34AR		11/17/75	12/04/75	71	671
8500064	340937	C100		3401	34AR		01/11/77	01/13/77	10	58
8500064	340938	C100		3401	34AR		03/21/77	03/23/77	5	55
8500064	340939	C100		3401	34AR		04/13/77	04/15/77	5	54
8500064	340940	C100		3401	34AR		05/09/77	05/12/77	9	103
8500064	340941	C100		3401	34AR		05/23/77	06/16/77	76	657
8500064	340942	C100		3401	34AR		07/23/77	10/04/77	187	1,725
8500064	340943	C100		3401	34AR		10/25/77	12/08/77	83	550
8500064	340944	C100		3401	34AR		01/03/78	01/12/78	36	249
8500064	340945	C100		3401	34AR		03/15/78	03/16/78	9	40

8500064	340946	C100	3401	34AR	04/17/78	05/09/78	43	400
8500064	340947	C100	3401	34AR	06/06/78	06/21/78	62	579
8500064	340948	C100	3401	34AR	07/18/78	08/09/78	50	562
8500064	340949	C100	3401	34AR	08/22/78	08/24/78	18	104
8500064	340950	C100	3401	34AR	09/13/78	11/14/78	164	1,769
8500064	340951	C100	3401	34AR	01/10/79	01/18/79	17	172
8500064	340952	C100	3401	34AR	02/20/79	02/22/79	9	60
8500064	340953	C100	3401	34AR	03/14/79	03/15/79	9	48
8500064	340954	C100	3401	34AR	03/26/79	04/19/79	32	211
8500064	340955	C100	3401	34AR	05/02/79	05/04/79	9	82
8500064	340956	C100	3401	34AR	05/22/79	06/18/79	111	650
8500064	340957	C100	3401	34AR	07/17/79	09/24/79	152	1,719
8500064	340958	C100	3401	34AR	10/09/79	11/21/79	163	1,856
8500064	340959	C100	3401	34AR	01/07/80	01/10/80	14	139
8500064	340960	C100	3401	34AR	02/27/80	03/02/80	8	52
8500064	340961	C100	3401	34AR	03/12/80	03/13/80	9	50
8500064	340962	C100	3401	34AR	04/01/80	04/22/80	49	578
8500064	340963	C100	3401	34AR	05/05/80	05/06/80	9	81
8500064	340964	C100	3401	34AR	05/27/80	06/17/80	97	1,130
8500064	340965	C100	3401	34AR	07/14/80	07/31/80	35	487
8500064	340966	C100	3401	34AR	08/11/80	09/03/80	63	1,785
8500064	340967	C100	3401	34AR	09/16/80	10/25/80	113	1,365
8500064	340968	C100	3401	34AR	11/04/80	11/16/80	76	883
8500064	340969	C100	3401	34AR	01/20/81	01/21/81	9	93
8500064	340970	C100	3401	34AR	02/26/81	03/02/81	12	137
8500064	340971	C100	3401	34AR	03/12/81	04/02/81	18	195
8500064	340972	C100	3401	34AR	05/26/81	06/16/81	96	1,054
8500064	340973	C100	3401	34AR	07/13/81	07/24/81	10	100
8500064	340974	C100	3401	34AR	08/03/81	09/09/81	70	807
8500064	340975	C100	3401	34AR	09/27/81	09/30/81	5	48
8500064	340976	C100	3401	34AR	10/14/81	12/14/81	146	1,895
8500064	340977	C100	3401	34AR	01/12/82	01/13/82	6	89
8500064	340978	C100	3401	34AR	02/25/82	03/05/82	2	16
8500064	340979	C100	3401	34AR	03/16/82	03/25/82	10	104
8500064	340980	C100	3401	34AR	05/17/82	06/03/82	15	198
8500064	340981	C100	3401	34AR	06/13/82	06/15/82	5	90
8500064	340982	C100	3401	34AR	06/28/82	07/13/82	9	111
8500064	340983	C100	3401	34AR	07/27/82	08/20/82	19	276
8500064	340984	C100	3401	34AR	08/30/82	08/30/82	3	33
8500064	340985	C100	3401	34AR	09/13/82	09/30/82	14	197

=====

(Receipt Acknowledgment)

OLD



WORLD DATA CENTER A
Oceanography

CABLE ADDRESS: WORLDDATA

National Oceanic and Atmospheric Administration
Washington, D. C. 20235, U.S.A.

TEL: AREA CODE (202) 343-4084

85 NOV 095

39.0/4(25.X.82)

FROM:

Maxine Jackson
Code D713

REFER TO:

ATTENTION:

THE ITEM(S) LISTED BELOW WERE RECEIVED

(Please note if any items are missing or damaged)

The following magnetic tape received from Jens Smed of ICES:

FINA - Contains oceanographic observations taken by the Finnish vessel ARANDA over a number of years.

Copy of forwarding letters and tape description.

NOTE: Please provide WDC-A with a one part listing of these data when processing is completed.

PLEASE ACKNOWLEDGE RECEIPT BY
SIGNING AND RETURNING THIS FORM

RECEIVED BY (Signature)

Maxine Jackson

DATE RECEIVED

10/25/82

TITLE

Oceanography

Tape Description

General: 2400 ft, 9 track, EBCDIC, 1600 b.p.i.
No Label (FINA is an external label).
DCB = (RECFM = FB, LRECL = 80, BLKSIZE = 2000,
DEN = 3).
Format: ICES card format (Card codes OJ and 56)
No. of files: 1
The tape was generated on an IBM 3033 computer.

File 1: Contains Finnish hydro-chemical data collected by
"Aranda" during the period 1962-1975, 1977-1980.
No. of records: 66 889 records.

CONSEIL INTERNATIONAL
POUR L'EXPLORATION DE LA MER

INTERNATIONAL COUNCIL
FOR THE EXPLORATION OF THE SEA

Votre réf.: / Your ref.:

PALEGADE 2-4
DK-1261 COPENHAGEN K, DENMARK

Telegram:
MEREXPLORATION, COPENHAGUE

Telex:
22498 ices dk

Telephone:
(0)1 15 42 25
(0)1 15 70 92 (General Secretary)

Notre réf.: / Our ref.:

H.5
JS/RL

28 July 1982

To

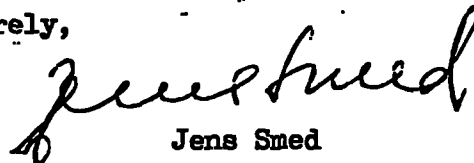
the Directors of World Data Centres A and B
(Oceanography)

Dear Director,

A magnetic tape containing oceanographic observations carried out by the Finnish R.V. "Aranda" over a period of years has today been dispatched to you. A description of the tape is enclosed with this letter, and also with the tape.

I should like to draw your attention to the possibility that a small part of the data may have been delivered directly to the World Data Centre system by the Finnish Institute of Marine Research at an earlier date.

Yours sincerely,



Jens Smed

Director
World Data Center A
Oceanography
NOAA
Washington, D.C. 20235
U.S.A.

CONSEIL INTERNATIONAL
POUR L'EXPLORATION DE LA MER

INTERNATIONAL COUNCIL
FOR THE EXPLORATION OF THE SEA

Votre ref.:/Your ref.:

PALEGADE 2-4
DK-1261 COPENHAGEN K, DENMARK
Telegram:
MEREXPLORATION, COPENHAGUE
Tele:
22498 local dk
Telephone:
(0)1 15 42 25
(0)1 15 70 92 (General Secretary)

Notre ref.:/Our ref.:

H.5
JS/RL

28 July 1982

Dear Ron,

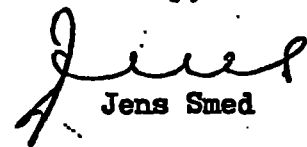
We have today dispatched to each of the WDCs A and B a magnetic tape containing the oceanographic observations made by the Finnish R.V. "Aranda" during the years 1962-75, 1977-80 (in 1976 the ship was docked). In accordance with our agreement a listing of the tape has today been sent (surface mail) to you.

For each station there is a Hydro Master Card (OJ) and a number of Hydro Chemistry Cards (56). There are no Hydro Depth Cards, as the information of the Depth Cards are contained in the Chemistry Cards (except that salinity in the latter is given to the 2nd decimal place only which however, is of no essential importance in the Baltic). I hope you will have no troubles in reading the listing. The dictionary applies to the 56 Card.

As far as I remember, the NODC has a geosorted file of BT data. Do you think it would be possible for the Service Hydrographique to obtain a copy of the tape(s) covering the North Atlantic and adjacent seas? Such tapes would undoubtedly be very useful for us when complying with requests for information and data.

Best regards,

Yours sincerely,


Jens Smed

Mr. Ronald E. Moffatt
Associate Director
World Data Center A
Oceanography
NOAA
Washington, D.C. 20235
U.S.A.



WORLD DATA CENTER A

Oceanography

17 August 1982

IN REPLY ADDRESS:
WORLD DATA CENTER A,
OCEANOGRAPHY
NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION
WASHINGTON, DC 20233

IN REPLY REFER TO

REF.: 108/3
108/4



TELEPHONE: AREA CODE 202
634-7249

Mr. Jens Smed
Hydrographer
International Council for the
Exploration of the Sea
Palaegade 2-4
DK-1261 Copenhagen K
Denmark

Dear Jens:

We gratefully acknowledge receipt of two magnetic tapes forwarded with your letter of 15 July and referenced in your letter of 16 July to me. One tape (DATHYP) contains CINECA area data originally provided by BNDO. The second tape (ICEBTA) contains BT data from Iceland for the years 1969-1973.

We also acknowledge with appreciation receipt of one magnetic tape (MIASA), forwarded with your letter of 23 July containing oceanographic observations taken by United Kingdom vessels.

{ We also thank you for sending one magnetic tape (FINA) with your letters of 28 July, containing oceanographic observations carried out by the Finnish vessel ARANDA over a number of years.

We look forward to receiving machine listings corresponding to each of these tapes as noted in your letters.

With regard to your letter of 15 July requesting a geosort of oceanographic station data for the Mediterranean Sea, the NODC is presently compiling a station data update for the Mediterranean. This update will require approximately two additional months to complete. We will then provide you with a magnetic tape of the geosorted update of the Mediterranean.

We will be pleased to provide you magnetic tapes containing a geosort of all available BT's requested in your letter of 28 July 1982, for the North Atlantic and adjacent Seas including the Mediterranean. We would prefer, for reasons of economy, to provide data in the following configuration: 9 track, 1600 bpi, ASCII code, in System Data Format (SDF) at a record length of 650 words and a block length of 2240 words. Would you be able to handle data in this format?

May I take this opportunity to express our appreciation for your continued cooperation in the provision of data.

Best regards,

Ronald E. Moffatt
Associate Director

108/3

Mr. Jens Smed
Hydrographer
International Council for the
Exploration of the Sea
Palaegade 2-4
DK-1261 Copenhagen K
Denmark

Dear Jens:

We gratefully acknowledge receipt of one magnetic tape (LOT 682) forwarded with your letter of 9 August. The tape contains oceanographic observations taken by the United Kingdom, Belgium, and the Soviet Union for the years 1959-1965, and the Netherlands for the years 1980-1981.

We also acknowledge with appreciation receipt of one magnetic tape (CINEA) forwarded with your letter of 24 August. The tape contains oceanographic observations taken by the United Kingdom during 1971 and Spain during the period 1971-1976.

We have now received machine listings corresponding to all of the magnetic tapes that you have recently sent us: ICEBTA, DATHYP, MIASA, FINA, Lot 682, and CINEA. We greatly appreciate your continued cooperation in sending these listings to us, so that data can be readily catalogued during the period in which the magnetic tapes are received.

Best wishes.

Sincerely yours,

Ronald E. Moffatt
Associate Director

bcc: Mr. Dow
D7
WDC-A, Oceanography

WDC-A:RENMoffatt:clf:10/6/82

(Transmittal Notice)



WORLD DATA CENTER A

Oceanography

National Oceanic and Atmospheric Administration
Washington, D. C. 20235, U.S.A.

CABLE ADDRESS: WORLDDATA

TEL: AREA CODE (202) 343-4064

39.0/4(12.IV.84)

TO: Dr. A. R. Picciolo Code E/OC13	REFER TO:
	ATTENTION:

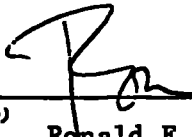
THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY:

Surface Mail
 Air Mail
 Registered Mail
 Surface Parcel Post
 Air Parcel Post
 By Hand
 Other _____

One magnetic tape, received from Jens Smed of ICES, containing Finnish data for the period 1962 thru 1982.

Copy of forwarding letter, description of the tape, and associated machine listings.

NOTE: Data for the period 1962-1980 are duplicated with data on the tape labeled "FINA", sent you with our transmittal of 25 October 1982; however, corrections to these data have been made and should be examined.

FORWARDED BY (Signature)  Ronald E. Moffatt	DATE FORWARDED 12 April 1984
Associate Director	

NOAA FORM 24-27B (11-77) (WORLD DATA CENTER A)
(Receipt Acknowledgment)



WORLD DATA CENTER A
Oceanography

National Oceanic and Atmospheric Administration
Washington, D. C. 20235, U.S.A.

CABLE ADDRESS: WORLDDATA
TEL: AREA CODE (202) 343-4084
39.0/4(12. IV. 84)

FROM: Dr. A. R. Picciolo Code E/OC13	REFER TO:
	ATTENTION:

THE ITEM(S) LISTED BELOW WERE RECEIVED

(Please note if any items are missing or damaged)

One magnetic tape, received from Jens Smed of ICES, containing Finnish data for the period 1962 thru 1982.

Copy of forwarding letter, description of the tape, and associated machine listings.

NOTE: Data for the period 1962-1980 are duplicated with data on the tape labeled "FINA", sent you with our transmittal of 25 October 1982; however, corrections to these data have been made and should be examined.

[Faint, illegible text]

RECEIVED BY (Signature)	DATE RECEIVED
TITLE	

CONSEIL INTERNATIONAL
POUR L'EXPLORATION DE LA MER

INTERNATIONAL COUNCIL
FOR THE EXPLORATION OF THE SEA

Votre réf.:/Your ref.:

PALEGADE 2-4
DK-1261 COPENHAGEN K, DENMARK

Telegram:
MEREXPLORATION, COPENHAGUE

Telex:
22498 ices dk

Telephone:
(0) 1 15 42 25
(0) 1 15 70 82 (General Secretary)

Notre réf.:/Our ref.:

H.5
JS/RL

23 March 1984

To

the Directors of World Data Centres A and B
(Oceanography)

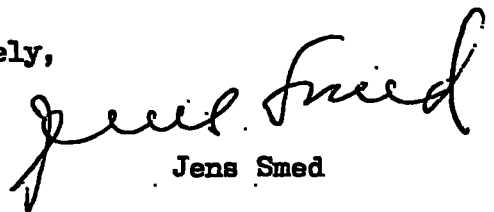
Dear Director,

Under cover of my letter of 28 July 1982 a magnetic tape was sent to you, containing Finnish data for the period 1962-1980.

In the meantime the data on the tape have been screened which has led to a considerable number of corrections. At the same time the Finnish data for 1981 and 1982 have become available. We have therefore created a new tape containing corrected data for the period 1962-1982. A copy of this tape has today been dispatched to you. It replaces the tape sent to you with my letter of 28 July 1982.

A description of the tape is enclosed with this letter, and also with the tape.

Yours sincerely,



Jens Smed

Director
World Data Center A
Oceanography
NOAA
Washington, D.C. 20235
U.S.A.

- 1. Density : 7000 dpi
- 2. Code : 10010, 9 track, odd parity
- 3. Label : no label (114.00 is an external label)
- 4. Records : Fixed length, 8 bytes
- 5. Blocks : Fixed block, blocksize 2000 bytes
- 6. No of files : 2
- 7. No of records: See attached file-summary
in the files
- 8. Record-layout: ICAS-format
- 9. Computer used: 10-3021

Tape content: See attached file-summary.

NOTE: Previous data from 1902-1970 should be replaced,
data from 1901-1902 are new.

DATA INFORMATION

COUNTRY FINLAND	CATALOGUE NUMBER III.1 A-15
INSTITUTION Institute of Marine Research	
PERIOD 11.I.1977 - 21.XI.1979	SHIP (or Fixed Station) ARANDA
REGION Baltic Sea (1) Gulf of Bothnia (1a) Gulf of Finland (1b)	CRUISE and/or EXPEDITION

TYPES OF OBSERVATIONS

OCEANOGRAPHIC SERIAL STATIONS +		BTs	CURRENTS
NO. OF STAS 1141	PHYSICAL AND CHEMICAL DATA T, S, O₂, PO₄-P, SiO₄-Si, P_{TOTAL}, NO₃-N, NO₂-N, NH₄-N, N_{TOTAL}, PH	SAMPLE DEPTHS PREDOMINANT: 20-280 MAXIMUM: 446	
BOTTOM TOPOGRAPHY +	BOTTOM COMPOSITION	BIOLOGICAL	
D			
METEOROLOGICAL +	SEA SURFACE +	* - Denotes data not available at WDC-A. † - Denotes ADP data available at following Center: Ref. No:	
Wd, W, Cl_d, T_a, T_w	T, S, O₂ Waves	ICES 3401	

REMARKS — DATA AND INFORMATION AVAILABLE IN REFERENCED PUBLICATIONS

<u>No. Stations</u>	<u>Period</u>	<u>Tape</u> FINA
352	11-13.I., 21-23.III., 13-15.IV., 9.V-16.VI., 23.VIII.-4X, 25.X.-8.XII. 1977	
381	3-12.I., 15-16.III., 17.IV.-9.V., 6-21.VI., 18.VII.-24.VIII., 13.IX.-14.XI. 1978	
408	10-18.I., 20-22.II., 14.III.-19.IV., 2.V.-18.VI., 17.VII.-21.XI. 1979	

CATALOGUE OF DATA
WDC-A, OCEANOGRAPHY

DEC 82

063
V.83

11. V. 83

X

DATA INFORMATION

COUNTRY FINLAND	CATALOGUE NUMBER III.1 A-16
INSTITUTION Institute of Marine Research (01)	SHIP (or Fixed Station) ARANDA = AR
PERIOD 7. I. - 16. XI. 1980	
REGION Baltic Sea (1) Gulf of Bothnia (1a) Gulf of Finland (1b)	CRUISE and/or EXPEDITION

TYPES OF OBSERVATIONS

OCEANOGRAPHIC SERIAL STATIONS +		BTs	CURRENTS
NO. OF STAS.	PHYSICAL AND CHEMICAL DATA	SAMPLE DEPTHS PREDOMINANT:	
443	T, S, O₂, PO₄-P, P_{TOTAL}, SiO₄-Si, NO₃-N, NO₂-N, NH₄-N, N_{TOTAL}, pH	20-280 MAXIMUM: 420	
BOTTOM TOPOGRAPHY +	BOTTOM COMPOSITION	BIOLOGICAL	
D			
METEOROLOGICAL +	SEA SURFACE +	* - Denotes data not available at WDC-A. + - Denotes ADP data available at following Ref. No:	
Wd, W, Ta, Tw, Cld	Waves	ICES 3401	

REMARKS — DATA AND INFORMATION AVAILABLE IN REFERENCED PUBLICATIONS

Tape FINA

Period: **7.-10. I., 27. II. - 13. III., 2. IV. - 6. V., 27. V. - 17. VI.,
14. VII. - 16. XI. 1980**

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8500064	C100	340952	9999	3401	34AR	1979/02/20	NULL	152715
8500064	C100	340953	9999	3401	34AR	1979/03/14	NULL	152716
8500064	C100	340954	9999	3401	34AR	1979/03/26	NULL	152717
8500064	C100	340955	9999	3401	34AR	1979/05/02	NULL	152718
8500064	C100	340956	9999	3401	34AR	1979/05/22	NULL	152719
8500064	C100	340957	9999	3401	34AR	1979/07/17	NULL	152720
8500064	C100	340958	9999	3401	34AR	1979/10/09	NULL	152721
8500064	C100	340959	9999	3401	34AR	1980/01/07	NULL	152722
8500064	C100	340960	9999	3401	34AR	1980/02/27	NULL	152723
8500064	C100	340962	9999	3401	34AR	1980/04/01	NULL	152724
8500064	C100	340963	9999	3401	34AR	1980/05/05	NULL	152725
8500064	C100	340964	9999	3401	34AR	1980/05/27	NULL	152726
8500064	C100	340965	9999	3401	34AR	1980/07/14	NULL	152727
8500064	C100	340966	9999	3401	34AR	1980/08/11	NULL	152728
8500064	C100	340967	9999	3401	34AR	1980/09/16	NULL	152729
8500064	C100	340968	9999	3401	34AR	1980/11/04	NULL	152730
8500064	C100	340969	9999	3401	34AR	1981/01/20	NULL	152731
8500064	C100	340970	9999	3401	34AR	1981/02/26	NULL	152732
8500064	C100	340971	9999	3401	34AR	1981/03/12	NULL	152733
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8500064	C100	340895	9999	3401	34AR	1962/06/07	NULL	152748
8500064	C100	340896	9999	3401	34AR	1962/07/17	NULL	152749
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8500064	C100	340927	9999	3401	34AR	1973/11/16	NULL	152780
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8500064	C100	340938	9999	3401	34AR	1977/03/21	NULL	152701
8500064	C100	340939	9999	3401	34AR	1977/04/13	NULL	152702
8500064	C100	340940	9999	3401	34AR	1977/05/09	NULL	152703
8500064	C100	340941	9999	3401	34AR	1977/05/23	NULL	152704
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8500064	C100	340943	9999	3401	34AR	1977/10/25	NULL	152706
8500064	C100	340944	9999	3401	34AR	1978/01/03	NULL	152707
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8500064	C100	340947	9999	3401	34AR	1978/06/06	NULL	152710
8500064	C100	340948	9999	3401	34AR	1978/07/18	NULL	152711
8500064	C100	340949	9999	3401	34AR	1978/08/22	NULL	152712
8500064	C100	340950	9999	3401	34AR	1978/09/13	NULL	152713
8500064	C100	340951	9999	3401	34AR	1979/01/10	NULL	152714

(90 rows affected)

Password:

accNo	flea	refNo	ship	staCnt	recCnt	startDate	endDate
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8500064	C100	340953	34AR	9	8	79/03/14	79/03/15
8500064	C100	340954	34AR	32	32	79/03/26	79/04/19
8500064	C100	340955	34AR	9	8	79/05/02	79/05/04
8500064	C100	340956	34AR	113	113	79/05/22	79/06/18
8500064	C100	340957	34AR	156	156	79/07/17	79/09/24
8500064	C100	340958	34AR	167	167	79/10/09	79/11/21
8500064	C100	340959	34AR	14	14	80/01/07	80/01/10
8500064	C100	340960	34AR	8	8	80/02/27	80/03/02
8500064	C100	340962	34AR	49	49	80/04/01	80/04/22
8500064	C100	340963	34AR	9	9	80/05/05	80/05/06
8500064	C100	340964	34AR	97	97	80/05/27	80/06/17
8500064	C100	340965	34AR	35	35	80/07/14	80/07/31
8500064	C100	340966	34AR	63	63	80/08/11	80/09/03
8500064	C100	340967	34AR	113	113	80/09/16	80/10/25
8500064	C100	340968	34AR	76	76	80/11/04	80/11/16
8500064	C100	340969	34AR	9	9	81/01/20	81/01/21
8500064	C100	340970	34AR	12	12	81/02/26	81/03/02
8500064	C100	340971	34AR	18	18	81/03/12	81/04/02
8500064	C100	340972	34AR	96	93	81/05/26	81/06/16
8500064	C100	340973	34AR	10	7	81/07/13	81/07/21
8500064	C100	340974	34AR	70	65	81/08/03	81/09/09
8500064	C100	340975	34AR	5	3	81/09/27	81/09/29
8500064	C100	340976	34AR	146	145	81/10/14	81/12/14
8500064	C100	340977	34AR	6	6	82/01/12	82/01/13
8500064	C100	340978	34AR	2	2	82/02/25	82/03/05
8500064	C100	340979	34AR	10	10	82/03/16	82/03/25
8500064	C100	340980	34AR	15	14	82/05/17	82/06/03
8500064	C100	340981	34AR	5	5	82/06/13	82/06/15
8500064	C100	340982	34AR	9	8	82/06/28	82/07/13
8500064	C100	340983	34AR	19	18	82/07/27	82/08/20
8500064	C100	340984	34AR	3	3	82/08/30	82/08/30
8500064	C100	340985	34AR	14	14	82/09/13	82/09/30
8500064	C100	340895	34AR	71	71	62/06/07	62/07/04
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8500064	C100	340897	34AR	81	81	62/09/08	62/09/25
8500064	C100	340898	34AR	26	26	62/10/07	62/10/10
8500064	C100	340899	34AR	166	166	63/06/12	63/08/08
8500064	C100	340900	34AR	91	91	63/08/27	63/09/10
8500064	C100	340901	34AR	102	102	64/05/28	64/06/12
8500064	C100	340902	34AR	94	94	64/06/22	64/07/17
8500064	C100	340903	34AR	60	60	64/07/31	64/08/11
8500064	C100	340904	34AR	16	16	64/09/01	64/09/04
8500064	C100	340905	34AR	211	211	65/05/10	65/07/07
8500064	C100	340906	34AR	50	50	65/07/27	65/08/04
8500064	C100	340907	34AR	261	261	66/06/03	66/07/18
8500064	C100	340908	34AR	36	36	66/08/01	66/08/10
8500064	C100	340909	34AR	31	31	66/09/21	66/09/26
8500064	C100	340910	34AR	199	199	67/06/04	67/08/08
8500064	C100	340911	34AR	171	171	68/06/02	68/08/01
8500064	C100	340912	34AR	89	89	68/09/24	68/10/11
8500064	C100	340913	34AR	51	51	68/10/22	68/10/29
8500064	C100	340914	34AR	68	68	68/11/11	68/11/20
8500064	C100	340915	34AR	225	225	69/06/04	69/08/12
8500064	C100	340916	34AR	160	160	69/10/03	69/10/28
8500064	C100	340917	34AR	245	245	70/06/03	70/09/10

8500064	C100	340918	34AR	145	145	70/10/28	70/11/17
8500064	C100	340919	34AR	100	100	71/06/01	71/06/22
8500064	C100	340920	34AR	76	77	71/07/09	71/08/13
8500064	C100	340921	34AR	159	159	72/01/11	72/02/01
8500064	C100	340922	34AR	202	203	72/06/02	72/08/03
8500064	C100	340923	34AR	136	136	72/11/09	72/11/22
8500064	C100	340924	34AR	145	145	73/01/04	73/01/23
8500064	C100	340925	34AR	183	183	73/06/05	73/07/20
8500064	C100	340926	34AR	75	75	73/07/31	73/08/16
8500064	C100	340927	34AR	71	71	73/11/16	73/11/29
8500064	C100	340928	34AR	111	111	74/05/15	74/06/19
8500064	C100	340929	34AR	239	239	74/07/08	74/09/05
8500064	C100	340930	34AR	49	49	74/10/15	74/11/06
8500064	C100	340931	34AR	52	52	74/11/18	74/11/27
8500064	C100	340932	34AR	9	9	75/04/04	75/04/07
8500064	C100	340933	34AR	42	42	75/05/07	75/05/16
8500064	C100	340934	34AR	61	61	75/05/27	75/06/12
8500064	C100	340935	34AR	270	270	75/07/09	75/09/25
8500064	C100	340936	34AR	71	71	75/11/17	75/12/04
8500064	C100	340937	34AR	10	10	77/01/11	77/01/13
8500064	C100	340938	34AR	5	5	77/03/21	77/03/23
8500064	C100	340939	34AR	5	5	77/04/13	77/04/15
8500064	C100	340940	34AR	9	9	77/05/09	77/05/12
8500064	C100	340941	34AR	76	76	77/05/23	77/06/16
8500064	C100	340942	34AR	187	187	77/07/23	77/10/04
8500064	C100	340943	34AR	83	83	77/10/25	77/12/08
8500064	C100	340944	34AR	36	36	78/01/03	78/01/12
8500064	C100	340945	34AR	9	9	78/03/15	78/03/16
8500064	C100	340946	34AR	43	43	78/04/17	78/05/09
8500064	C100	340947	34AR	62	62	78/06/06	78/06/21
8500064	C100	340948	34AR	51	51	78/07/18	78/08/09
8500064	C100	340949	34AR	19	19	78/08/22	78/08/24
8500064	C100	340950	34AR	168	168	78/09/13	78/11/14
8500064	C100	340951	34AR	17	17	79/01/10	79/01/18

(90 rows affected)