

DDF-B:2:16

DATA DOCUMENTATION FORM

TR5387-91

NOAA FORM 24-13 (4-72)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852

FORM APPROVED  
O.M.B. No. 41-R2051

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.

20-04

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>James R. Holbrook Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA) 3711 - 15th Avenue N. E. Seattle, WA 98105 206-442-1960, FTS 399-1960</p>																				
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p>MESA Puget Sound Project</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p>STRAIT 14A, 15A, 15B</p>																		
<p>4. PLATFORM NAME(S)</p> <p>STRAIT-14A STRAIT-15A STRAIT-15B</p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p>BUOY</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <p>U.S.</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>14A</td> <td></td> <td>3/21/79</td> <td>7/19/79</td> </tr> <tr> <td>15A</td> <td></td> <td>3/21/79</td> <td>5/14/79</td> </tr> <tr> <td>15B</td> <td></td> <td>5/13/79</td> <td>11/2/79</td> </tr> </tbody> </table>	PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR	14A		3/21/79	7/19/79	15A		3/21/79	5/14/79	15B		5/13/79	11/2/79	
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR																	
14A		3/21/79	7/19/79																	
15A		3/21/79	5/14/79																	
15B		5/13/79	11/2/79																	
<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 MARSOEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p>GENERAL AREA</p>																		
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)</p>																				
<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p>James R. Holbrook 206-442-1960 FTS 399-1960</p>																				

RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
METHOD OF IDENTIFYING EACH RECORD TYPE

Three (3) record types, text record (1), meter master record (2), and detail record (3), differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

ORDER OF DATA

STRAIT 14A - 150M	21 MAR 79 - 19 JUL 79
15A - 4M	21 MAR 79 - 14 MAY 79
20M	21 MAR 79 - 14 MAY 79
15B - 4M	13 MAY 79 - 2 NOV 79
20M	13 MAY 79 - 2 NOV 79

3. CONTRIBUTES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER DAVID KACHEL, 206-442-1960 (FTS 399-1960)  
ADDRESS 3711 15th Avenue, Seattle, Wash. 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" 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>STRAIT-14A, 15A, 15B CURRENT METER</p> <p>Tape File ID's - DK2520, DK2620, DK2720, DK2820, DK2920</p> <p>7-Track, BCD, 800 BPI, Even Parity</p> <p>Originator - James R. Holbrook</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3600</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>

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
TIME/DATE	GMT	CRYSTAL CLOCK	N/A	N/A
CURRENT VELOCITY	CM/SEC	AMP UACM Model 610	PROCESSED AT PMEL. TRANSFERRED TO 7-TRACK TAPE. CALIBRATIONS APPLIED. DATA EDITED AND BAD VALUES REPLACED BY LINEAR INTERPOLATION.	REPORTED VALUES REPRESENT AVERAGES
Water Temperature	Degrees C	Thermistor on AMP Meter	Same as above	Same as Above

RECORD FORMAT DESCRIPTION CURRENT METER

RECORD NAME TEXT RECORD (OPTIONAL)

ELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Meter Number	11	5	Bytes	A5	Analogous to NODC Station Number
Text	16	38	Bytes	38A1	Additional pertinent information
Blank	54	1	Bytes	1X	
Sequence Number	55	6	Bytes	I6	Ascending numeric, used for sorting
<b>METER MASTER RECORD (REQUIRED)</b>					
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Meter Number	11	5	Bytes	A5	Analogous to NODC Station Number
Latitude, Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Hundredths of minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude, Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Hundredths of minutes	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Depth to bottom	31	5	Bytes	I5	Whole meters
Depth of current meter	36	5	Bytes	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	Bytes	I3	Number of times meter has been used
Institution Code	44	2	Bytes	A2	NODC Institution Code
Axis Rotation	46	3	Bytes	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	Bytes	A6	OCSEP internal location code
Number of detail records	55	6	Bytes	I6	Number of type '3' records

RECORD FORMAT DESCRIPTION CURRENT METER

RECORD NAME DETAIL RECORD (REQUIRED)

FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Meter Number	11	5	Bytes	A5	Analogous to NODC Station Number.
Year	16	2	Bytes	I2	Last two digits of years
Month	18	2	Bytes	I2	1-12
Day	20	2	Bytes	I2	1-31
Time					GMT
Hour	22	2	Bytes	I2	0-23
Minute	24	2	Bytes	I2	0-59
Hundredth of minute	26	2	Bytes	I2	0-99
East-West (u) Current Component	28	6	Bytes	I6	To hundredths. Positive (East, and North) understood. cm/sec
North-South (v) Current Component	34	6	Bytes	I6	Negative (West and South) with negative sign. cm/sec
Temperature	40	5	Bytes	I5	To thousandths. Minus sign when negative in °C
Pressure	45	5	Bytes	I5	To tenths in Decibars
Conductivity	50	4	Bytes	I4	To hundredths of mmho/cm
	54	1	Bytes	1X	
Sequence Number	55	6	Bytes	I6	Ascending numeric, used for sorting

Blanks are used when significance of field indicated exceeds what is measured.

### 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 (✓)	
<i>thermistor type</i>	<i>Y 5244032</i>		<i>NWACC</i>	(✓)	(✓)	(✓)	(✓)	(✓)	
<i>AMF 358</i>	<i>JUN 78</i>						✓		
<i>AMF 363T</i>	<i>JUN 78</i>						✓		
<i>AMF 419 T</i>	<i>JUN 78</i>						✓		
<i>AMF 329</i>	<i>SEP 78</i>						✓		
<i>AMF 377</i>	<i>SEP 78</i>						✓		

# TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 80-0032

TR 5387-5391

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BKSIZE	RECFM	REMARKS
ORIGINATOR	JR154	NL	60	3600	FB 800 BPI 7 1/2	
DUPLICATE	07851	NL	60	4800	FB 1600 BPI 9 1/2	
REFORMATTED	↓					
FIRST USER	07851	NL	60	4800	FB	
FINAL USER	7817	NL	60	4800	FB	

Data Set Route Sheet

Accession # \_\_\_\_\_

Step	Completion Date/Init.	Tape #, # of Files	BLKSIZE,	LRECL
1. Originator Tape #	3/4/80	JR154 one	3600	80
2. <sup>QUADI</sup> Duplicate Tape #	3/7/80	07851 one	4800	60
3. DDF Evaluation				
4. Quality Review				
5. Preliminary Data Sort				
6. Preliminary Check				
7. First User Tape #	3/7/80	7851 1	4800	60
8. Final User Tape #	6/23/80	7817 1	4800	60
9. Final Check				
10. NAPIS Inventory				
11. DIP Inventory				
12. Data Ser 'Finalized'				

NO CORRECTIONS WERE  
NECESSARY.



DATE: 3/7/80

TO: D751

FROM: J. Ridlon, D781

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-0032

- 1) File Type: \*015
- 2) Project Ident.: Puget Sound
- 3) Track Nos.: TR 5387-91

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

NO CORRECTIONS  
NECESSARY

III. Processor Name:

Charles B. Selbit

\* filetype

015-7

25

60/4870

6608

3067 (C3405)

#1 015909 - UNIVAC

TR5161-5163, 5332-5344, 5387-5391, 5725-5728

169, 188

Accession NO: 80-0032

ID: Puget Sound Project

NSDCFBK \*\*\* NON-STANDARD DATA FIELD CHECKING PROGRAM  
 THIS IS 01/11/79 VERSION WITH FULL CODE CHECKING

USER'S INPUT REQUESTS FOLLOW:

LRECL HAS BEEN SPECIFIED AS 60  
 STATION HEADER RECCRG SPECIFIED AS 2  
 RECORD TYPES FLAGGED FOR RETRIEVAL ARE - 1234  
 STATION STARTS IN POSITION 11 FOR 5 BYTES  
 STATION WILL APPEAR ON RECCRD TYPES : 1234  
 RECCRD TYPE WILL BE TAKEN FROM COLUMN 30 OF THE INPUT RECORDS  
 FILETYPE IS C15

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED

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015TR53872V03584E230 N124215 W 217 156C 13F C 5788

??????

FIRST FILE ID

THE FIELDS BELOW WERE CHECKED AS F=FLAG(S)=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERIC/M=MANDATORY NUMERIC/Z=NO CHECKING

TYPE	REC	PGS	LENGTH	NAME	RANGE TESTED		ACTUAL RANGE			S. DEV	COUNT	FP	FP-1	Z-1	
					LOW	HIGH	LOWEST	HIGHEST	MEAN						
M	2	16	2	LAT DEG	30		89	48	48	48.00	00	1	1	0	0
M	2	18	4	LAT MIN TO .01	0		5999	2300	2300	2300.00	00	1	0	1	0
C	2	22	1	050GLAT FEM							1				
M	2	23	3	LCN DEG	65		179	124	124	124.00	00	1	1	0	0
M	2	26	4	LGN MIN TO .01	0		5999	2150	2150	2150.00	00	1	0	1	0
C	2	30	1	0501LCN FEM							1				
N	2	31	5	DEPTH TO BOTTOM WHOLE METERS	1		6000	217	217	217.00	00	1	1	0	0
N	2	36	5	DEPTH OF CURRENT TO .1 METERS	1		60000	1500	1500	1500.00	00	1	1	0	0
Z	2	41	3	METER USAGE SEQUENCE NUMBER							1				
C	2	44	2	0218 INSTITUTION CODE (NOEC)							1				
N	2	46	3	AXIS ROT-DEG CLKWSE FROM 3 NRTH	0		359	0	0	00	00	1	1	0	0
Z	2	49	6	LOCATION NAME											
N	2	55	6	NUMBER OF DETAIL RECCRDS	1		999999	5788	5788	5788.00	00	1	1	0	0
M	3	16	2	YEAR	74		80	79	79	79.00	00	5788	5788	0	0
M	3	18	2	MONTH	1		12	3	7	5.12	1.23	5788	5788	0	0
M	3	20	2	DAY	1		31	1	31	15.70	8.86	5788	5788	0	0
M	3	22	2	HOUR	0		23	0	23	11.47	6.92	5788	5788	0	0
M	3	24	4	MINUTE TO .01	0		5999	0	3000	1500.00	1500.00	5788	0	0	5788
M	3	28	6	E-W (U) COMPONENT CM/SEC	-40000		40000	-7188	8738	715.62	3447.08	5788	5788	0	0
M	3	34	6	N-S (V) COMPONENT CM/SEC	-40000		40000	-5461	5387	548.42	2164.32	5788	5788	0	0
N	3	40	5	TEMPERATURE TO .001	-2000		33000	6250	7860	7019.50	435.46	5788	0	5788	0
N	3	45	5	PRESSURE LB TO .01	10		60000								
N	3	50	4	CONDUCTIVITY OHMS/CM TO .01	1500		5500								
B	3	54	1								5788				
N	3	55	6	SEQUENCE NUMBER	NO RANGE CHECKING			1	5788	2894.50	1670.85	5788	5788	0	0
M	4	16	2	YEAR	74		80								
M	4	18	2	MONTH	1		12								
M	4	20	2	DAY	1		31								
M	4	22	2	HOUR	0		23								
M	4	24	4	MINUTE TO .01	0		5999								
M	4	28	6	E-W (U) COMPONENT CM/SEC	-40000		40000								
M	4	34	6	N-S (V) COMPONENT CM/SEC	-40000		40000								
N	4	40	5	TEMPERATURE TO .001	-2000		33000								
N	4	45	5	PRESSURE LB TO .01	10		60000								
N	4	50	5	SALINITY PPT TO .001	20000		37000								
M	4	55	6	SEQUENCE NUMBER	NO RANGE CHECKING										

RECCRDS READ : 5789

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0151R538E2V363T48191 N124254 W 51 4C 13F 0 2596

117111

FILE ID HAS CHANGED

THE FIELDS BELCH WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC/Z=NO CHECKING

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED		ACTUAL RANGE			S. DEV	COUNT	FP	FP-1	>-1
					LOW	HIGH	LOWEST	HIGHEST	MEAN					
M	2	16	2	LAT DEG	30		89	48	48	48.00	1	1	0	0
M	2	18	4	LAT MIN TC .01	0		5999	1910	1910	1910.00	1	0	1	0
C	2	22	1	050CLAT HEM							1			
M	2	23	3	LCN DEG	65		179	124	124	124.00	1	1	0	0
M	2	26	4	LCN MIN TC .01	0		5999	2540	2540	2540.00	1	0	1	0
C	2	30	1	050LCN HEM							1			
N	2	31	5	DEPTH TO BOTTOM WHOLE METERS	1		6000	51	51	51.00	1	1	0	0
N	2	36	5	DEPTH OF CURRENT TO .1 METERS	1		60000	40	40	40.00	1	1	0	0
Z	2	41	3	METER USAGE SEQUENCE NUMBER							1			
C	2	44	2	0218 INSTITUTION CODE (NGEC)							1			
N	2	46	3	AXIS ROT-DEG CLKWSE FROM 0 NATH	0		359	0	0	00	1	1	0	0
Z	2	49	6	LOCATION NAME										
N	2	55	6	NUMBER OF DETAIL RECORDS	1	999999	2596	2596	2596.00	00	1	1	0	0
M	3	16	2	YEAR	74		80	79	79	79.00	2596	2596	0	0
M	3	18	2	MONTH	1		12	3	5	4.03	2596	2596	0	0
M	3	20	2	DAY	1		31	1	31	15.59	2596	2596	0	0
M	3	22	2	HOUR	0		23	0	23	11.48	2596	2596	0	0
M	3	24	4	MINUTE TC .01	0	5999	0	3000	1500.00	1500.00	2596	0	0	2596
M	3	28	6	E-W (U) COMPONENT CM/SEC	-40000	40000	-10043	12036	1167.00	4250.04	2596	2596	0	0
M	3	34	6	N-S (V) COMPONENT CM/SEC	-40000	40000	-9530	6881	742.14	2748.32	2596	2596	0	0
N	3	40	5	TEMPERATURE TC .001	-2000	33000	7670	12060	8735.25	1071.33	2596	0	2596	0
N	3	45	5	PRESSURE CB TC .01	10	60000								
N	3	50	4	CONDUCTIVITY OHMS/CM TC .01	1500	5500								
B	3	54	1								2596			
N	3	55	6	SEQUENCE NUMBER		NO RANGE CHECKING	1	2596	1298.50	749.40	2596	2596	0	0
M	4	16	2	YEAR	74		80							
M	4	18	2	MONTH	1		12							
M	4	20	2	DAY	1		31							
M	4	22	2	HOUR	0		23							
M	4	24	4	MINUTE TC .01	0	5999								
M	4	28	6	E-W (U) COMPONENT CM/SEC	-40000	40000								
M	4	34	6	N-S (V) COMPONENT CM/SEC	-40000	40000								
N	4	40	5	TEMPERATURE TC .001	-2000	33000								
N	4	45	5	PRESSURE CB TC .01	10	60000								
N	4	50	5	SALINITY FPT TO .001	20000	37000								
M	4	55	6	SEQUENCE NUMBER		NO RANGE CHECKING								

RECORDS READ : 2597

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015TR53892V419T48191 N124254 W 51 2LC 13F 0 2596

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FILE ID HAS CHANGED

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC/Z=NO CHECKING

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED		ACTUAL RANGE			S. DEV	COUNT	FP	FP-1	>-1	
					LOW	HIGH	LOWEST	HIGHEST	MEAN						
M	2	16	2	LAT DEG		30	89	48	48	48.00	00	1	1	0	0
M	2	18	4	LAT MIN TC .01		C	5999	1910	1910	1910.00	00	1	0	1	0
C	2	22	1	C5CCLAT FEM							1				
M	2	23	3	LOM DEG		65	179	124	124	124.00	00	1	1	0	0
M	2	26	4	LOM MIN TC .01		C	5999	2540	2540	2540.00	00	1	0	1	0
C	2	30	1	C5C1LCN FEM							1				
N	2	31	5	DEPTH TC ECITCM WHOLE METERS		1	6000	51	51	51.00	00	1	1	0	0
N	2	36	5	DEPTH OF CURRENT TO .1 METERS		1	60000	200	200	200.00	00	1	1	0	0
Z	2	41	3	METER USAGE SEQUENCE NUMBER							1				
C	2	44	2	0218 INSTITUTION CODE (NO&C)							1				
N	2	46	3	AXIS ROT-DE& CLWSE FROM J NRTH		0	359	0	0	00	00	1	1	0	0
Z	2	49	6	LOCATION NAME											
N	2	55	6	NUMBER OF DETAIL RECORDS		1	999999	2596	2596	2596.00	00	1	1	0	0
M	3	16	2	YEAR		74	80	79	79	79.00	00	2596	2596	0	0
M	3	18	2	MONTH		1	12	3	5	4.03	71	2596	2596	0	0
M	3	20	2	DAY		1	31	1	31	15.59	9.31	2596	2596	0	0
M	3	22	2	HOUR		C	23	0	23	11.48	6.93	2596	2596	0	0
M	3	24	4	MINUTE TC .01		C	5999	0	3000	1500.00	1500.00	2596	0	0	2596
M	3	28	6	E-W (U) COMPONENT CM/SEC	-4000C	40000	-9046	9328	718.37	3732.24	2596	2596	0	0	0
M	3	34	6	N-S (V) COMPONENT CM/SEC	-4000C	40000	-6903	6332	484.32	2662.07	2596	2596	0	0	0
N	3	40	5	TEMPERATURE TC .001	-200C	33000	7540	11750	8503.25	922.10	2596	0	2596	0	0
N	3	45	5	PRESSURE CB TC .01		1C	60000								
N	3	50	4	CONDUCTIVITY CFMS/CM TO .01		150C	5500								
B	3	54	1								2596				
N	3	55	6	SEQUENCE NUMBER	NO RANGE CHECKING			1	2596	1298.50	749.40	2596	2596	0	0
M	4	16	2	YEAR		74	80								
M	4	18	2	MONTH		1	12								
M	4	20	2	DAY		1	31								
M	4	22	2	HOUR		0	23								
M	4	24	4	MINUTE TC .01		0	5999								
M	4	28	6	E-W (L) COMPONENT CM/SEC	-4000C	40000									
M	4	34	6	N-S (V) COMPONENT CM/SEC	-4000C	40000									
N	4	40	5	TEMPERATURE TC .001	-200C	33000									
N	4	45	5	PRESSURE CB TO .01		1C	60000								
N	4	50	5	SALINITY FPI TO .001		2000C	37000								
M	4	55	6	SEQUENCE NUMBER	NO RANGE CHECKING										

RECORDS READ : 2597

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8000032	F015	TR5387	0082	313F	317F	1979/03/21	NULL	311336
8000032	F015	TR5388	0082	313F	317F	1979/03/21	NULL	311337
8000032	F015	TR5389	0082	313F	317F	1979/03/21	NULL	311338
8000032	F015	TR5390	0082	313F	317F	1979/05/13	NULL	311339
8000032	F015	TR5391	0082	313F	317F	1979/05/13	NULL	311340

(5 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
8000032	F015	TR5387	317F	5	5789	79/03/21	79/07/19
8000032	F015	TR5388	317F	3	2597	79/03/21	79/05/14
8000032	F015	TR5389	317F	3	2597	79/03/21	79/05/14
8000032	F015	TR5390	317F	7	8306	79/05/13	79/11/02
8000032	F015	TR5391	317F	7	8307	79/05/13	79/11/02

(5 rows affected)