

FT022

84-NODC 166

ACCESSION  
NUMBER

8400113

## DATA DOCUMENTATION FORM

TT1711-1714  
319396-99NOAA FORM 24-13  
(4-77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 41-R2651  
EXPIRES 1-81

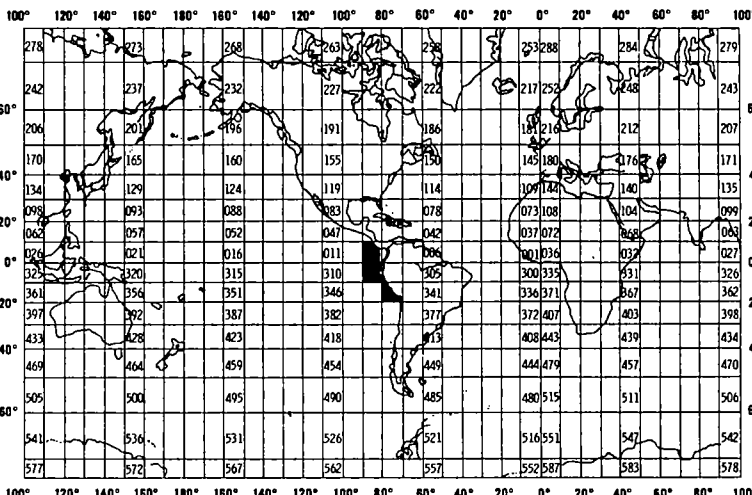
TT1711-12

(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

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 NOAA/ADML Physical Oceanography Division 4301 Rickenbacker Causeway Miami FL 33149			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED EPOCS (Equatorial Pacific Ocean Climate Studies)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
4. PLATFORM NAME(S) R/V Researcher	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) NOAA	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 1. 11/21/82 12/06/82 2. 3/23/83 4/06/83 3. 5/18/83 6/01/83 4. 7/17/83 7/24/83
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) Carol Roffer (305) 361-4352			

## 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	$\phi$ 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
Pressure	db *	NEIL BROWN CSTD MARK III B System	Calibration based on water samples and protected/unprot. thermometers.	
Temperature	°C			
Salinity	‰			
Sigma-T				
Dissolved Oxygen	ml/l			

## 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

OZZ Format

Four record types

1. Header
2. Header
3. Data
4. Data (No transmissivity)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Each File Is An Entire Cruise of Data. Total 4 Files

File 1	68	CTD Casts	(Casts 64-68 Oxygen no good = -.999)
File 2	64	CTD Casts	
File 3	71	CTD Casts	
File 4	43	CTD Casts	

3. ATTRIBUTES AS EXPRESSED IN
- |   |                                |                                |
|---|--------------------------------|--------------------------------|
| <input type="checkbox"/> PL-1               | <input type="checkbox"/> ALGOL | <input type="checkbox"/> COBOL |
| <input checked="" type="checkbox"/> FORTRAN | <input type="checkbox"/> _____ | LANGUAGE                       |

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

Carol Roffer

ADDRESS

same as front

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 Character <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 type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" 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>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input checked="" type="checkbox"/> 6250</p>	
	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>120</p>
	<p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

## 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 _____ <small>(e.g., bits, bytes)</small>	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		

## 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 (✓)	
NEIL BROWN MARK IIB (STD)				X					

.. ERROR CORRECTION DOCUMENTATION FORM

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8400113

- 1) File Type: F022  
2) Project Ident.: EPOCS  
3) Track Nos.: TT1711-12  
319396 - 319397

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

Deleted all - 999 inserted 02

III. Processor Name:

Charles B. Lick

8400113

ACCESSION/TRACK # ~~83N00C~~

TT1711-12

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECO
ORIGINATOR TAPE	<del>4-2-85</del> <del>4-5-84</del> FJM	MIAMI <del>ROFFEL</del>	2	4800	120	X
QUADI/SCAN TAPE	<del>4-6-84</del> FJM	<del>WDA150</del>	2	4800	120	
ASSIGNED FOR PROCESS.	<del>4-2-85</del> 4-15-85	<del>WDA420</del> W09845	2	120	120	
DDF EVALUATION						
QUALITY REVIEW						
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK	4/29/85	CBA SERDATA FO22CT1711	1	120	120	26128
FIRST USER TAPE						
WORK DISK FILE	4/29/85	CBA "	1	120	120	
FINAL USER TAPE						
FILE MULCHEK	5/2/85	CBA FO22	1		120	
EDITED DISK FILE	5/3/85	CBA MPP25 TT 1711/FO22	1		120	1
DATA SET "FINALIZED"	5/3/85	CBA "	1		120	26128

2 Files

File 1 = 68 Casts

File 2 = 64 Casts

# TAPE ASSIGNMENT SHEET

ACCESSION NO

8400113

TRACK NO(s)

TT1711-12

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	MIAMI L <del>ROFFEL</del>	NL	120	4800	FB	2 Files
Duplicate	WD9845 <del>W04180</del> <del>W04620</del>	SL	120	<del>4800</del>	<del>FB</del> F	2 Files *
Reformatted						
First User	SEL DATA <del>TTT77</del> F022 TT 1711	SL	120			26128
Final User	<del>FPD 75</del> <del>F022</del> TT1711 F022	SL	120			26128
	✓ X LABEL =			D NODCX 84NOD166-01		<del>D NODCX 84NOD166-01</del>

FT022

84NODC 166

ACCESSION  
NUMBER

8400113

## DATA DOCUMENTATION FORM

NOAA FORM 24-13  
(77)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
WASHINGTON, DC 20235FORM APPROVED  
O.M.B. No. 41-R2651  
EXPIRES 1-81

TT 1713-14

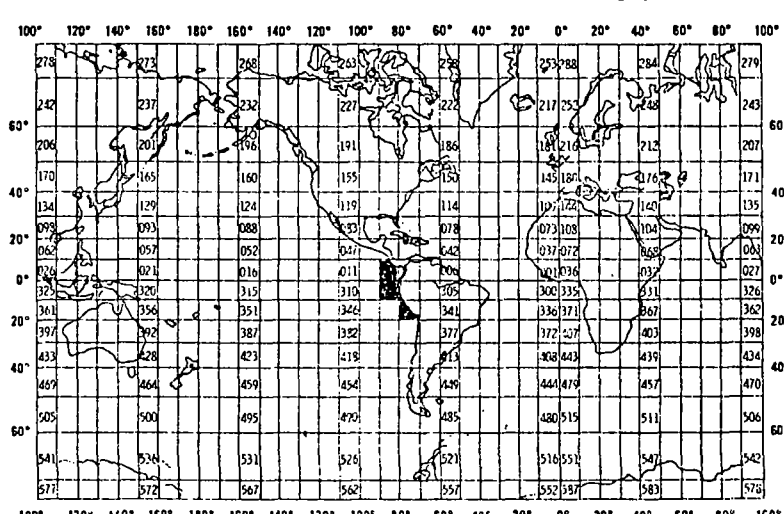
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319398-319399

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4. PLATFORM NAME(S) R/V Researcher	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) NOAA	
		7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 1. 11/21/82 12/06/82 2. 3/23/83 4/06/83 3. 5/18/83 6/01/83 4. 7/17/83 7/24/83	
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) Carol Roffer (305) 361-4352			

# 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
Pressure	db *	NEIL BROWN CSTD MARK III B System	Calibration based on water samples and protected/unprot. thermometers.	
Temperature	°C			
Salinity	‰			
Sigma-T Dissolved Oxygen	ml/l			



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

022 Format

Four record types

1. Header
2. Header
3. Data
4. Data (No transmissivity)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Each File Is An Entire Cruise of Data. Total 4 Files

File 1	68	CTD Casts	(Casts 64-68 Oxygen no good = -.999)
File 2	64	CTD Casts	
File 3	71	CTD Casts	
File 4	43	CTD Casts	

3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1

☐ ALGOL

☐ COBOL

☒ FORTRAN

☐ \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

Carol Roffer

ADDRESS

same as front

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 Character <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 type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" 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>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input checked="" type="checkbox"/> 6250</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">120</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</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.

[illegible]

8400113

ACCESSION/TRACK # ~~8340113~~

TT 1713-14

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECOR
ORIGINATOR TAPE	<del>4-2-85</del> <del>7-5-84</del> FJM	<del>MIAMI 2</del> <del>ROFF 2</del>	2	4800	120	
QUADI/SCAN TAPE	<del>7-6-84</del> <del>4-2-85</del> FJM	<del>ROFF</del>	2	4800	120	
ASSIGNED FOR PROCESS.		<del>W03550</del>				
DOF EVALUATION		W04388				
QUALITY REVIEW						
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK						23334
FIRST USER TAPE						
WORK DISK FILE						
FINAL USER TAPE						
FINAL MULCHEK						
EDITED DISK FILE						
DATA SET "FINALIZED"						23334

# TAPE ASSIGNMENT SHEET

ACCESSION NO

8400113

TRACK NO(s)

TT1713-14

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	ROFF2	NL	120	4800	FB	
Duplicate	WD4388 <del>WD3550</del>	SL	120	4800	FB	X
Reformatted						
First User	X	LABEL = <del>DNODX 84NOD 166-02</del> <del>DNODC 84NOD 161-02</del>				
Final User						

ERROR CORRECTION DOCUMENTATION FORM

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8400113

- 1) File Type: F022
- 2) Project Ident.: EPOCS
- 3) Track Nos.: TT1713-14

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

Blanked out 91-94 of record type 4 thruout.  
In record no. 5270 changed 60' LONG to 00' LONG.  
(Raising the LONG DEGREES BY 1° WOULD mean  
an excessive ship speed.)

III. Processor Name:

Charles B. McKibbin

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8400113	F022	TT1711	0106	311A	3175	1982/11/21	NULL	148999
8400113	C022	319396	0106	311A	3175	1982/11/21	TT1711	149000
8400113	F022	TT1712	0106	311A	3175	1983/03/23	NULL	149001
8400113	C022	319397	0106	311A	3175	1983/03/23	TT1712	149002
8400113	F022	TT1713	0106	311A	3175	1983/05/18	NULL	149003
8400113	C022	319398	0106	311A	3175	1983/05/18	TT1713	149004
8400113	F022	TT1714	0106	311A	3175	1983/07/17	NULL	149005
8400113	C022	319399	0106	311A	3175	1983/07/17	TT1714	149006

(8 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8400113	F022	TT1711	3175	68	13328	82/11/21	82/12/06
8400113	C022	319396	3175	68	134	82/11/21	82/12/06
8400113	F022	TT1712	3175	64	12800	83/03/23	83/04/06
8400113	C022	319397	3175	64	127	83/03/23	83/04/06
8400113	F022	TT1713	3175	71	13524	83/05/18	83/06/01
8400113	C022	319398	3175	71	138	83/05/18	83/06/01
8400113	F022	TT1714	3175	43	9810	83/07/17	83/07/24
8400113	C022	319399	3175	43	83	83/07/17	83/07/24

(8 rows affected)