#296/9-29-87

ACCESSION NUMBER 8700211

DATA DOCUMENTATION FORM

A00581

NOAA FORM 24-13
(2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2/29/87

TT8404-TT8405 F015

(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

University of Washington
Dept. of Oceanography WB-10
Seattle, Wa. 98195

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

U.S. - PRC Cooperative Studies Program

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

Station M3
Station M4

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) *(E.G., SHIP, BUOY, ETC.)*	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
	instrumented tripod	U.S.	U.S. M3	6/4/80	6/27/80
			U.S. M4	8/4/81	8/27/81

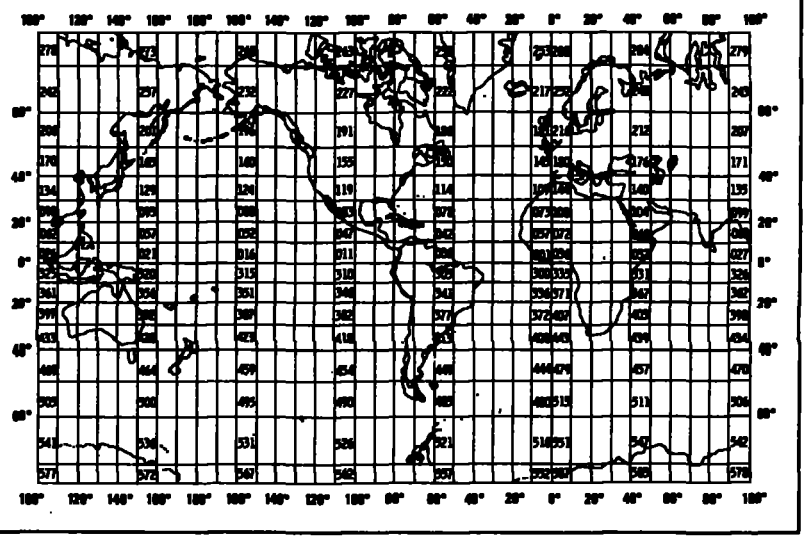
8. ARE DATA PROPRIETARY?

[X] NO [ ] 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?)

[ ] NO [X] YES [ ] PART *(SPECIFY BELOW)*

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Dr. Richard Sternberg

(206)543-0589

NOAA FORM 24-13

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 infomation 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	‰	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)

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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)

NOAA FORM 24-13

JUNE 1980

```
EAST CHINA SEA EXPERIMENT
TIMES ARE MANILA TIMES
  TA HAVE BEEN ROTATED 180 FROM INST. COORD
  E DATA HAS BEEN CORRECTED FOR THE BIT SHIFTS ON TX, TEMP
ND DIRECTION
DATA FOR THE AANDARA CURRENT METER Z~100CM HAVE BEEN ADDED.
THE INSTANTANEOUS DIRECTION IS USED WITH THIS SPEED TO CALCULATE
U,V COMPONENTS.   THERE IS NO HISTOGRAM DATA.
          UNITS:
PRESSURE                                          METERS OF WATER
PRESSURE DIFFERENTIAL                             METERS OF WATER
UAVG                                              CENTIMETERS PER SECOND
VAVG                                              CENTIMETERS PER SECOND
SPEED                                             CENTIMETERS PER SECOND
TEMPERATURE                                       DEGREES CENTIGRADE
TRANSMISSOMETER                                   % FULL SCALE X 10
INSTANTANEOUS DIRECTION (DIR)                     DEGREES
AVERAGE DIRECTION (ADIR)                          DEGREES
TOTAL                                             ROTOR PULSES PER CYCLE
HISTOGRAM                                         % OF TOTAL X 10
EVENTS: P      PICTURE TAKEN
        M      MEMORY CHECKSUM ERROR
        W      WAVE PRESSURE SERIES TAKEN
        E      TAPE CHECKSUM ERROR
  5         25        1980          15          0     0.0910          30          0
15:30
PRESSURE DIFFERENTIAL                      0.091018 METERS OF H20 AT SEA LEVEL
CYCLE LENGTH                                     30 MIN.
CAMERA RATE                                       0 CYCLES BETWEEN PICTURES
FAST PRESSURE SAMPLE DELAY                        4 CYCLES
PRESSURE SENSOR SERIAL NUMBER .NE.             4977
TRANSMISSOMETER UPPER LIMIT                    5.00 VOLTS
BEARING                                      180.00 DEGREES


PAROSCIENTIFIC PRESSURE SENSOR CONSTANTS--
        2871.4700 1448.6200   27.1375     9.8780     1.0000     0.0000
THE CALIBRATION CURVE IS
RESSURE(MH20-ATMOS)=.70309*(C(1)*X-C(2)*X**2)-C(4)
ERE X=1.-C(3)*(.128849E5/(P+262144)
= COUNTS RECORDED
C(1)=   2871.47
C(2)=   1448.62
C(3)=  27.13749
C(4)=      9.878
```

Station M3

EAST CHINA SEA STUDIES, MOUTH OF THE YANGTSE, AUG 1981
TIMES ARE LOCAL SHANGHAI TIME
LONGITUDE 122 45 45 EAST
LATITUDE 31 16 15 NORTH
DEPLOYED AND RECOVERED BY STERNBERG AND JOHNSON
UNITS:

PRESSURE	METERS OF WATER
PRESSURE DIFFERENTIAL	METERS OF WATER
UAVG	CENTIMETERS PER SECOND
VAVG	CENTIMETERS PER SECOND
SPEED	CENTIMETERS PER SECOND
TEMPERATURE	DEGREES CENTIGRADE
TRANSMISSOMETER	% FULL SCALE X 10
INSTANTANEOUS DIRECTION (DIR)	DEGREES
AVERAGE DIRECTION (ADIR)	DEGREES
TOTAL	ROTOR PULSES PER CYCLE
HISTOGRAM	% OF TOTAL X 10

EVENTS: P PICTURE TAKEN
M MEMORY CHECKSUM ERROR
W WAVE PRESSURE SERIES TAKEN
E TAPE CHECKSUM ERROR

8 1 1981 13 0 0.1820 15
13:15

PRESSURE DIFFERENTIAL	0.182024	METERS OF H2O AT SEA LEVEL
CYCLE LENGTH	15	MIN.
CAMERA RATE	0	CYCLES BETWEEN PICTURES
FAST PRESSURE SAMPLE DELAY	8	CYCLES
PRESSURE SENSOR SERIAL NUMBER .NE.	4977	
TRANSMISSOMETER UPPER LIMIT	5.00	VOLTS
BEARING	35.00	DEGREES

PAROSCIENTIFIC PRESSURE SENSOR CONSTANTS--
2871.4700 1448.6200 27.1375 9.8780 1.0000 0.0000
THE CALIBRATION CURVE IS
PRESSURE(MH2O-ATMOS)=.70309*(C(1)*X-C(2)*X**2)-C(4)
WHERE X=1.-C(3)*(.128849E5/(P+262144)
P= COUNTS RECORDED
C(1)= 2871.47
C(2)= 1448.62
C(3)= 27.13749
C(4)= 9.878

Station M4

8700311
TT8404-TT8405
F015

TO: E/OC12 - C. Noe

E/OC11 - P. Hadsell ←

FROM: E/OC13 - A. Picciolo

DATE: April 18, 1988

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

DATA ARCHIVE AND INVENTORIES BRANCH (E/OC11)

------- Level II and III Data --------

OCEAN STATIONS (C100)

Acc: 8700398 Ref: 140999 - 141003 585 stations 5,610 records

BRAZIL GF-3 ALMIRANTE SALDANHA

Acc: 8700114 Ref: 140993 - 998 309 stations 2,913 records

BRAZIL GF-3 ALMIRANTE SALDANHA/CAMARRA

CURRENT METERS (F015)

Acc: 8700311 Ref: TT8404 - 5 2 stations 2,121 records ✓

U. WASHINGTON US-PRC COOP STUDY

Acc: 8700197 Ref: TV0200 - 217 18 stations 101,569 records

Raytheon Service Co.

MMS-Central California Coastal Circulation Study

cc: Division Director

```
I
INVENTORY                                Record found                    10:34:24a
Record 6516 on screen
174154                  DATA ENTRY INFORMATION SYSTEM                        SJH
                              (DATASET INVENTORY)

DATE OF ENTRY: 04/18/88

       REFERENCE NUMBER: TT8404          ACCESSION NUMBER: 8700311
FORMER REFERENCE NUMBER:          FORMER ACCESSION NUMBER:          (RESUB ONLY)
--------------------------------------------------------------------------------
INVENTORY
         MEDIA-IN: 01 - Digital Magnetic Tape              DINDB CODE 09
         EXCHANGE (FORMAT):   E015 - Eulerian Currents (F015)
         PROCESSING (FORMAT): F015 - Eulerian Currents - Vectors

   * NOTE * If data is F022, create an additional record for C022.

         INSTITUTE (COUNTRY AND INSTITUTE CODES): 3109
         PLATFORM (COUNTRY AND PLATFORM CODES):   317F
         PLATFORM TYPE:  3 - Buoy              DINDB CODE  03

         ORIGINATORS FILE ID:          ORIGINATORS CRUISE ID: M4
         CRUISE START DATE: 08/04/81   CRUISE END DATE: 08/14/81    Press PgDn
         PROJECT CODE: 0183            DATA USE CODE (DUC): 3       to continue
F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY                                                              10:34:31a

         VOLUME - NUMBER OF STATIONS:       1   NUMBER OF RECORDS:     991

                  If STA/REC counts are not appropriate then enter -

                  NUMBER:                  UNITS:

                  AVERAGE REC SIZE:      60   MBYTES:       0.059460

--------------------------------------------------------------------------------
OCEAN AREA
             CODE 1: 50      MEANING: East China Sea (Tung Hai)
             CODE 2:         MEANING:
             CODE 3:         MEANING:
--------------------------------------------------------------------------------

DINDB TRACK TRANSACTION GENERATED:   /  /



F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI
```

```
INVENTORY                              Record found                          10:34:40a
Record 6517 on screen
174155                  DATA ENTRY INFORMATION SYSTEM                          SJH
                             (DATASET INVENTORY)

   E OF ENTRY: 04/18/88

       REFERENCE NUMBER: TT8405          ACCESSION NUMBER: 8700311
FORMER REFERENCE NUMBER:          FORMER ACCESSION NUMBER:          (RESUB ONLY)
-------------------------------------------------------------------------------
INVENTORY
         MEDIA-IN: 01 - Digital Magnetic Tape            DINDB CODE 09
         EXCHANGE (FORMAT):   E015 - Eulerian Currents (F015)
         PROCESSING (FORMAT): F015 - Eulerian Currents - Vectors

   * NOTE * If data is F022, create an additional record for C022.

         INSTITUTE (COUNTRY AND INSTITUTE CODES): 3109
         PLATFORM (COUNTRY AND PLATFORM CODES):   317F
         PLATFORM TYPE:  3 - Buoy              DINDB CODE  03

         ORIGINATORS FILE ID:          ORIGINATORS CRUISE ID: M3
         CRUISE START DATE: 06/03/80   CRUISE END DATE: 06/27/80    Press PgDn
         PROJECT CODE: 0183            DATA USE CODE (DUC): 3       to continue
F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY                                                              10:34:47a

         VOLUME - NUMBER OF STATIONS:        1   NUMBER OF RECORDS:   1,130

                  If STA/REC counts are not appropriate then enter -

                  NUMBER:                  UNITS:

                  AVERAGE REC SIZE:       60   MBYTES:        0.067800

-------------------------------------------------------------------------------
OCEAN AREA
             CODE 1: 50      MEANING: East China Sea (Tung Hai)
             CODE 2:         MEANING:
             CODE 3:         MEANING:
-------------------------------------------------------------------------------

DINDB TRACK TRANSACTION GENERATED:   /  /



F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI
```

ACCESSION NO. 8700311 FILETYPE _____ TRACK NO. _____ PROJECT IDENTIFICATION _____

CURRENTS

U.S.-PRC coop STUDIES

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	11/09/87	CMH	A00581	1	VAR	3564	
DUPLICATE TAPE	11/09/87	CMH	W08013 Scratched 10/19/88	1	VAR	3564	
~~REFORMATTED TAPE~~ →	12/3/87	R.P.S.	DNODC*OUTEAST.	1	60	224	2121
REFORMATTED DISK			CDATA.FDISTT8401				
FIRST MULCHEK							
FINAL MULCHEK							
FD75 OR FO22							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: Tape is SL, 9TRK, 1600 bpi. DNODC*8700311-01. 2121 records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

Copy to 'W' tape; scan 'W' tape.

Bill 09

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

DISKETTE INFORMATION

(TAPE #/ DISKETTE)	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
A00581		9	1600	ODD	NL	~~VAR~~ VAR	~~VAR~~ VAR	3564	1

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 TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
14184813		9	1600	ODD	SL	VAR	VAR	3564	1

SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)	DATA SET NAME	PURGE DATE
			DNODC.*87003[1]-01	

INSTRUCTIONS

Please send tape to Asheville, N.C.

ESTIMATED EXECUTION TIME

ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
11/19/87	0934	0935	C	COMPLETED BY J.S.

8700311

Tapescan

Bin 09

8700311

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

DISKETTE INFORMATION

(TAPE #/ DISKETTE)	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
A00581		9	1600						

SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)	DATA SET NAME	PU DA

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI

SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)	DATA SET NAME	PU DA

TAPE #/ SKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL

SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)	DATA SET NAME	PUR DAT

INSTRUCTIONS

Please return tape A00581 to Bin 09

ESTIMATED EXECUTION TIME

ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
3/8	1512	1515	1	COMPLETED BY J.S.

#296/9-29-87

NOAA FORM 24-5
(8-73)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO:	REFER TO
NOAA/NESDIS/NODC 1825 Connecticut Ave NW Washington DC 20235	ATTENTION E/OC13, Dr. Anthony R. Picciolo

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

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

Cert. no. 523152

Enclosed, find necessary documentation and one (1) magnetic data tape containing 2 files of current meter data (East China Sea instrumented tripod system) as received from Dr. Richard Sternberg, Univ. of Washington, Dept. of Oceanography.

The two files are:

Station M3 - operating dates of 6/4/80 to 6/27/80 and,

Station M4 - operating dates of 8/4/81 to 8/15/81.

Tape specs: 9 track, ASCII, 1600 bpi, rec. length=133, 27 lines/blk, 3591 chars/blk.

cc: Dr. Richard Sternberg, UW, Oceanography
Mr. Bob Gelfeld, NODC (WDC-A)

A00581

8700311

FORWARDED BY (Signature)	TITLE	DATE FORWARDED
Sid Stillwaugh	NODC Liaison Officer, Seattle	9-24-87
RECEIVED BY (Signature) FRANCIS Mitchell	TITLE	DATE RECEIVED 9-29-87

NOAA FORM 24-5 (8-73)

#2961 9-29-87

NOAA FORM 24-5
(8-73)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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cc: Dr. Richard Sternberg, UW, Oceanography
Mr. Bob Gelfeld, NODC (WDC-A)

8700311

A00581

ARDED BY (Signature) Sid Stillwaugh Sid Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 9-24-87
RECEIVED BY (Signature) FRANCIS Mitchell	TITLE	DATE RECEIVED 9-29-87

NOAA FORM 24-5 (8-73)

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER _____
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
☐ BCD ☐ BINARY
☒ ASCII ☐ EBCDIC
☐ _____

6. NUMBER OF TRACKS (CHANNELS)
☐ SEVEN
☒ NINE
☐ _____

7. PARITY
☒ ODD
☐ EVEN

8. DENSITY
☐ 200 BPI ☒ 1600 BPI
☐ 556 BPI
☐ 800 BPI
☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH
☐ _____

10. END OF FILE MARK
☒ OCTAL 17
☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

East China Sea instrumeted tripod system current meter data, Stations M3 and M4, 1 file, -- 9 track, ASCII, 1600 bpi, RL=133, 27 lines/blk, 3591 Chars/blk Dates-6/4/80 thru 8/15/81

12. PHYSICAL BLOCK LENGTH IN BYTES

13. LENGTH OF BYTES IN BITS

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8700311 F015 TT8404 0183 3109 317F    1981/08/04 M4           173258
 8700311 F015 TT8405 0183 3109 317F    1980/06/03 M3           173259

(2 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8700311 F015 TT8404 317F 1      991    81/08/04   81/08/04
 8700311 F015 TT8405 317F 1      1130   80/06/03   80/06/03

(2 rows affected)
```