ACCESSION NUMBER 79-0289

DDF-B:1:14

DATA DOCUMENTATION FORM

TR4516-TR4521
F015

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-R2651

TR4523-TR4529
TT1540-TT1541

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.

79-14

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

EG&G, Environmental Consultants
151 Bear Hill Road
Waltham, MA 02154

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

NEOCSPO Program

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

See attached File Description Sheet for Cruise Numbers

4. PLATFORM NAME(S)

C5, C7, C8

5. PLATFORM TYPE(S) *(E.G., SHIP, BUOY, ETC.)*

Buoys

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
US	US

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
11/02/77	11/20/77
12/05/77	02/06/78
06/05/78	09/14/78

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

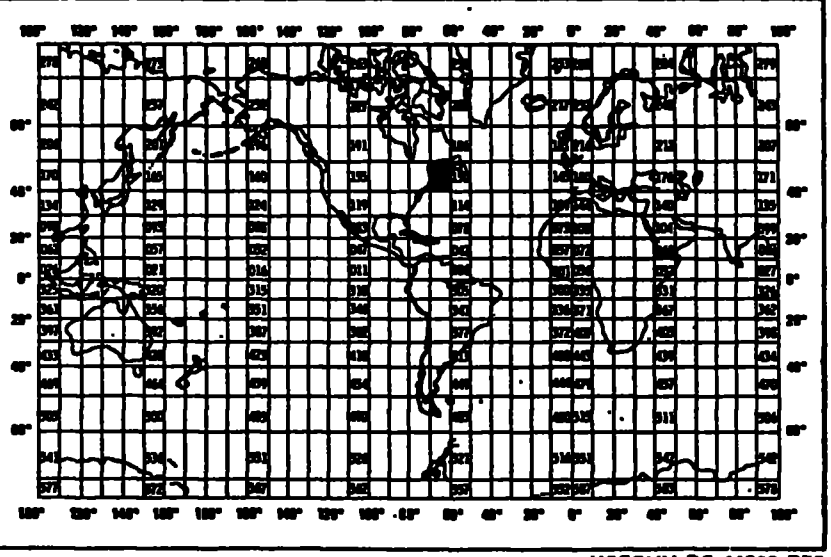
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

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

J. Bruce Andrews
EG&G, Environmental Consultants
(617) 890-3710 ext. 525

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



USCOMM-DC 44289-P72

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Current Components	Centimeters per second to hundredths	March-McBirney spherical electromagnetic current sensor and Neil Brown fluxgate magnetometer		north-south and east-west components computed on-board from 1-second samples, averaged over 3.0 minutes
Temperature	Degrees C to hundredths	YSI Thermistor		samples every 4 seconds, averaged over 30 minutes
Salinity	P.P.T. to hundredths	YSI Thermistor and ODEC conductivity sensor		salinity computed on-board from samples every 4 seconds, averaged over 30 minutes

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

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

MULTI-FILE TAPE - see attached file description sheet. Files sorted by record type, and sequence number to obtain proper sequence.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Charles K. Nason (617) 890-3710

ADDRESS EG&G,Environmental Consultants,151 Bear Hill Rd.,Waltham,MA 02154

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 ☒ 0.6 inch

10. END OF FILE MARK ☐ OCTAL 17 ☒ Std. IBM

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

NEOCSPO Program - Stations C5,C7,C8
Main Instrument Packages
Current,Temperature, and Salinity Data
Originator: B. Andrews
EG&G,Environmental Consultants
Waltham, MA 02154

12. PHYSICAL BLOCK LENGTH IN BYTES
60

13. LENGTH OF BYTES IN BITS
8

RECORD FORMAT DESCRIPTION

RECORD NAME TEXT RECORD (OPTIONAL)

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

RECORD NAME DETAIL RECORD

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
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					
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) 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 ^{o}C
Pressure	45	5	Bytes	I5	To tenths in Decibars
Salinity	50	5	Bytes	I5	Parts/thousand to thousandths
Sequence Number	55	6	Bytes	I6	Ascending numeric, used for sorting

FILE DESCRIPTION

File	Station	Start Date	Stop Date	Cruise Nos.	Current Components	Temperature	Pressure	Salinity
1	C5 013	77/11/02	77/11/20	860004	N	Y	N	N
2	C5 047	77/11/02	77/11/20	860005	N	Y	N	Y
3	C5 080	77/11/02	77/11/20	860006	Y	Y	N	Y
4	C8 013	77/12/05	78/02/06	860008, 13,18, 23	N	Y	N	N
5	C8 047	77/12/05	78/01/03	860009, 14	N	Y	N	Y
6	C8 080	77/12/05	78/01/03	860010, 15	Y	Y	N	N
7	C5 011	78/06/05	78/08/02	860028, 33,48, 63	Y	N	N	N
8	C5 011	78/06/05	78/06/20	860028	N	Y	N	Y
9	C5 044	78/06/03	78/09/14	860029, 34,49, 64,78, 90	N	Y	N	Y
10	C5 078	78/06/05	78/09/14	860030, 35,50, 65,79, 91	Y	Y	N	Y
11	C8 044	78/06/18	78/08/28	860039, 54,69, 82,95	Y	Y	N	Y
12	C8 078	78/06/18	78/08/28	860040, 55,70, 83,96	Y	Y	N	Y
13	C7 012	78/06/17	78/08/16	860043, 58,73, 86	N	Y	N	Y
14	C7 086	78/06/17	78/08/16	860044, 59,74, 87	N	Y	N	Y
15	C7 194	78/06/17	78/08/16	860045, 60,75, 88	Y	Y	N	Y

EG&G

EG&G ENVIRONMENTAL GROUP
151 Bear Hill Road
Waltham, Massachusetts 02154
(617) 890-3710

August 20, 1979

Mr. George Heimerdinger
New England Liaison Officer, EDIS
Clark Laboratory
Woods Hole Oceanographic Institution
Woods Hole, Massachusetts 02543

Dear George:

I am sending you a tape containing current, temperature, and salinity data from the Raytheon Special Moorings at Stations C5, C7, and C8 from November 1977 through September 1978, excluding the data from C8 01C sent previously as a test tape. I am also enclosing a list of the data which we produced from the tape.

There are fifteen files on this tape. As you suggested, I am sending only one Data Documentation Form with a supplemental sheet describing the files. I hope this will be satisfactory.

I hope to be sending additional temperature and bottom pressure data shortly. This will be followed by data from EG&G deployed moorings.

Thank you for your assistance.

Very truly yours,

EG&G
Environmental Consultants

J. Bruce Andrews

J. Bruce Andrews

JBA/sbm
Enclosures

cc: K. Berger

Error Correction Documentation Form

DATE: 10/16/79

TO: D752

FROM: D781

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0289

1) File Type: 015

2) Project Ident.: George's Bank

3) Track Nos.: TR4516 - TR4529

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)
Blanks in E-W and N-S component, so put in zero in both fields.	✓

III. Processor Name: Charles B. Seibel

Data Set Route Sheet

Accession # 79-0289

Step	Completion Date	Init.	Tape #,	# of Files	BLKSIZE,	LRECL
1. Originator Tape #	10/9/79	DKP	002704	1	4800	60
2. Duplicate Tape # (QUADI)	10/16/79	DKP	000060	1	4800	60
3. DDF Evaluation						
4. Quality Review						
5. Preliminary Data Sort						
6. Preliminary Check						
7. First User Tape #	6/18/80	CBL	7820	1	4800	60
8. Final User Tape #	6/18/80	CBL	4990	1	4800	60
9. Final Check						
10. APIS Inventory						
11. DDF Inventory						
12. Data Set 'Finalized'						

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0289

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	Z704	NL	60	4800	FB	
DUPLICATE	[illegible]	NL	60	4800	FB	
REFORMATTED						
FIRST USER	7820	NL	60	4800	FB	
FINAL USER	4990	NL	60	4800	FB	

*

015-5

~~8~~ ~~13~~ 31

#2 043350

8930

60/4800, F015

4049-4052,

TR 4072-4075, 4174-4178, 4445, 4516-4529, 4814-4816

ANSI 013397

6491 (C4208)

~~LI02P659~~

~~#1 U82Q622~~

193,029

~~80,685~~

~~59,039~~

accession no: 79-0289

Receipt

```
NSDCHEK *** 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 RECORD SPECIFIED AS 2
RECORD TYPES FLAGGED FOR RETRIEVAL ARE - 1234
STATION STARTS IN POSITION  11 FOR  5 BYTES
STATION WILL APPEAR ON RECORD TYPES : 1234
RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS
FILETYPE IS 015

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED
**************************************************
015TR45161C5                    C    0                      1
   ?????
FIRST FILE ID
**************************************************
015TR45161C5                    C    0                      1
        ?????
STATION NUMBER HAS CHANGED WITHOUT A MASTER
**************************************************
015TR45162C5   4C512CW 072540W   66   13   F4  C         864
                                          ??
INVALID VALUE FOR CODE 021E INSTITUTION CODE (NODC)
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
---- ---  ---  ------ ----                          LOW      HIGH      LOWEST    HIGHEST   MEAN      S. DEV  COUNT    FP    FP-1     >-1
M 2  16   2 LAT DEG                                 30       89   NO VALUES FOUND FOR THIS PARAMETER
M 2  18   4 LAT MIN TO .01                           0     5999      5120    5120    5120.00        00       1       1       0       0
C 2  22   1 OSCOLAT HEM                                                                                    1
M 2  23   3 LON DEG                                 65      179        67      67      67.00        00       1       1       0       0
M 2  26   4 LON MIN TO .01                           0     5999      2540    2540    2540.00        00       1       1       0       0
C 2  30   1 OSCILON HEM                                                                                    1
N 2  31   5 DEPTH TO BOTTOM WHOLE METERS             1     6000        86      86      86.00        00       1       1       0       0
N 2  36   5 DEPTH OF CURRENT TO .1 METERS            1    60000        13      13      13.00        00       1       1       0       0
Z 2  41   3 METER USAGE SEQUENCE NUMBER                                NO VALUES FOUND FOR THIS PARAMETER
C 2  44   2 0218 INSTITUTION CODE (NODC)               NO VALUES FOUND FOR THIS PARAMETER
N 2  46   3 AXIS ROT-DEG CLKWSE FROM 1 NRTH           0      359         0       0         00        00       1       1       0       0
Z 2  49   6 LOCATION NAME                              NO VALUES FOUND FOR THIS PARAMETER
N 2  55   6  NUMBER OF DETAIL RECORDS                 1   999999       864     864     864.00        00       1       1       0       0
M 3  16   2 YEAR                                     74       80   NO VALUES FOUND FOR THIS PARAMETER
M 3  18   2 MONTH                                     1       12   NO VALUES FOUND FOR THIS PARAMETER
M 3  20   2 DAY                                       1       31   NO VALUES FOUND FOR THIS PARAMETER
M 3  22   2 HOUR                                      0       23   NO VALUES FOUND FOR THIS PARAMETER
M 3  24   4 MINUTE TO .01                            0     5999   NO VALUES FOUND FOR THIS PARAMETER
M 3  28   6 E-W (U) COMPONENT CM/SEC             -40000    40000   NO VALUES FOUND FOR THIS PARAMETER
M 3  34   6 N-S (V) COMPONENT CM/SEC             -40000    40000   NO VALUES FOUND FOR THIS PARAMETER
N 3  40   5 TEMPERATURE TO .001                   -2000    33000   NO VALUES FOUND FOR THIS PARAMETER
N 3  45   5 PRESSURE DB TO .01                        10    60000   NO VALUES FOUND FOR THIS PARAMETER
N 3  50   4 CONDUCTIVITY  OHMS/CM TO .01           1500     5500   NO VALUES FOUND FOR THIS PARAMETER
B 3  54   1                                                        NO VALUES FOUND FOR THIS PARAMETER
N 3  55   6 SEQUENCE NUMBER                 NO RANGE CHECKING      NO VALUES FOUND FOR THIS PARAMETER
M 4  16   2 YEAR                                     74       80        77      77      77.00        00     864     864       0       0
M 4  18   2 MONTH                                     1       12        11      11      11.00        00     864     864       0       0
M 4  20   2 DAY                                       1       31         2      20      11.31      5.20     864     864       0       0
M 4  22   2 HOUR                                      0       23         0      23      11.50      6.92     864     864       0       0
M 4  24   4 MINUTE TO .01                            0     5999      1400    4400    2900.00   1500.00     864     864       0       0
M 4  28   6 E-W (U) COMPONENT CM/SEC             -40000    40000         0       0         00        00     864     864       0       0
```

M	4	34	6	N-S (V) COMPONENT CM/SEC		-4CCCC	40000	0	0	00	00	864	0	864	0
N	4	40	5	TEMPERATURE TE .001		-2CCC	33000	11140	13410	11902.05	482.91	832	0	832	0
N	4	45	5	PRESSURE DB TC .01		1C	60000	NO VALUES FOUND FOR THIS PARAMETER							
N	4	5C	5	SALINITY PPT TC .001		2CCCC	37000	NO VALUES FOUND FOR THIS PARAMETER							
M	4	55	6	SEQUENCE NUMBER	NO RANGE CHECKING			1	864	432.50	249.41	864	864	0	0

RECORDS READ : 864

```
.Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7900289 F015 TR4516 0091 31F4 317F    1977/11/02 860004       309894
 7900289 F015 TR4517 0091 31F4 317F    1977/11/02 860005       309895
 7900289 F015 TR4518 0091 31F4 317F    1977/11/02 860006       309896
 7900289 F015 TR4519 0091 31F4 317F    1977/12/05 860008       309897
 7900289 F015 TR4520 0091 31F4 317F    1977/12/05 860009       309898
 7900289 F015 TR4521 0091 31F4 317F    1977/12/05 860010       309899
 7900289 F015 TR4523 0091 31F4 317F    1978/06/03 860029       309900
 7900289 F015 TR4524 0091 31F4 317F    1978/06/05 860030       309901
 7900289 F015 TR4525 0091 31F4 317F    1978/06/18 860039       309902
 7900289 F015 TR4526 0091 31F4 317F    1978/06/18 860040       309903
 7900289 F015 TR4527 0091 31F4 317F    1978/06/17 860043       309904
 7900289 F015 TR4528 0091 31F4 317F    1978/06/17 860044       309905
 7900289 F015 TR4529 0091 31F4 317F    1978/06/17 860045       309906
 7900289 F015 TT1540 0091 31F4 317F    1978/06/05 860028       309907
 7900289 F015 TT1541 0091 31F4 317F    1978/06/05 860028       309908

(15 rows affected)
```

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7900289	F015	TR4516	317F	1	866	77/11/02	77/11/20
7900289	F015	TR4517	317F	1	866	77/11/02	77/11/20
7900289	F015	TR4518	317F	1	866	77/11/02	77/11/20
7900289	F015	TR4519	317F	3	3026	77/12/05	78/02/06
7900289	F015	TR4520	317F	2	1382	77/12/05	78/01/03
7900289	F015	TR4521	317F	2	1382	77/12/05	78/01/03
7900289	F015	TR4523	317F	4	4836	78/06/03	78/09/14
7900289	F015	TR4524	317F	4	4836	78/06/05	78/09/14
7900289	F015	TR4525	317F	3	3398	78/06/18	78/08/28
7900289	F015	TR4526	317F	3	3398	78/06/18	78/08/28
7900289	F015	TR4527	317F	3	2862	78/06/17	78/08/16
7900289	F015	TR4528	317F	3	2862	78/06/17	78/08/16
7900289	F015	TR4529	317F	3	2862	78/06/17	78/08/16
7900289	F015	TT1540	317F	4	2764	78/06/05	78/08/01
7900289	F015	TT1541	317F	4	698	78/06/05	78/06/05

(15 rows affected)