DDF-B.1:23

DATA DOCUMENTATION FORM
TR-0268

NEGOA

319046

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

Knut Aagaard
Department of Oceanography, University of Washington
Seattle, Washington 98195

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

OCSEAP - R.U. 151

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

W 00022

UOL SER-9469

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
Bell 205 2215W	Helicopter	U.S.	U.S.	2/20/76	2/29/76

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)

R.B. Tripp
Department of Oceanography
University of Washington
Seattle, Washington 98195
(206) 543-5334

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

Beaufort Sea
GENERAL AREA

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 (√)	
Plessey 9400 CTD									
Conductivity – 6500 SN 614	7 May 1976		Plessey		✓ NRCC		✓ Plessey		
Temperature – 4500 SN 712	9 Sept. 1976		Plessey		✓ NRCC		✓ Plessey		
Depth – 4600 SN 813	9 Sept. 1976		Plessey		✓ NRCC		✓ Plessey		
In addition we calibrate each cast in the field, using Nansen bottle and reversing thermometers									

RECORD NAME __TEXT RECORD (OPTIONAL)__

14. O 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 '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Text	16	100	Bytes	100A1	Additional pertinent information
Sequence Number	116	5	Bytes	I5	Ascending numeric, used for sorting
MASTER RECORD (REQUIRED THRU BYTES 59)					
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Cast 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'
Cruise Identification	31	10	Bytes	10A1	Originator Cruise Identification
Number of Scans	41	5	Bytes	I5	Number of scans in a 'station' (There are five scans per record type '3')
Year	46	2	Bytes	I2	Last two digits of year
Month	48	2	Bytes	I2	1-12
Day	50	2	Bytes	I2	1-31
Hour	52	2	Bytes	I2	0-23
Minutes	54	2	Bytes	I2	0-59
Depth Interval Indicator	56	1	Bytes	I1	'0' equals unequally spaced depths '1' equals equal spaced depths
Depth Interval	57	3	Bytes	I3	When above equals '1', the depth interval, to tenths of meters reported.
Barometric pressure	60	5	Bytes	I5	Millibars to tenths

(Year through Minutes are GMT)

RECORD NAME __ MASTER RECORD CONTINUED

FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
Wet bulb temperature	65	4	Bytes	I4	Degrees C to tenths
Dry bulb temperature	69	4	Bytes	I4	Degrees C to tenths
Wind direction	73	2	Bytes	I2	Tens of degrees WMO Codes 0855 and 0877
Wind speed	75	2	Bytes	I2	Whole knots
Weather Code	77	1	Bytes	I1	WMO 4501
Sea State Code	78	1	Bytes	I1	WMO 3700
Visibility Code	79	1	Bytes	I1	WMO 4300
Cloud Type Code	80	1	Bytes	A1	WMO 0500
Cloud Amount Code	81	1	Bytes	I1	WMO 2700
Instrument Information	82	20	Bytes	20A1	Type and Serial Number
Location Name	102	6	Bytes	A6	OCSEP Internal Location Code
Depth to bottom	108	5	Bytes	I5	To whole meters
Maximum depth of cast	113	4	Bytes	I4	To whole meters
Blank	117	4	Bytes	4X	
	DETAIL RECORD (REQUIRED)				
File Type	1	3	Bytes	A3	Always '022'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Cast Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth	16	5	Bytes	I5	Meters to tenths
Temperature	21	5	Bytes	I5	Degrees C to thousandths } SCAN
Salinity	26	5	Bytes	I5	P.P.T. to thousandths } DATA
Sigma-t	31	4	Bytes	I4	To hundredths
Scan Condition Code	35	1	Bytes	A1	Code describing how data arrived at
SCAN DATA	36	4(20)	Bytes	4(3I5,I4,A1)	Repetition of above
Sequence Number	116	5	Bytes	I5	Ascending numeric, used for sorting
					Blanks are used when significance of field indicated exceeds what is measured.

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   P. TOPOLY   634-7505
   ADDRESS   D.S.F + I Branch

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE		9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☑ 3/4 INCH
☐ BCD ☐ BINARY		☐ _____
☐ ASCII ☑ EBCDIC		10. END OF FILE MARK ☑ OCTAL 17
☐ _____		☐ _____

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

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

VOL=SER: 002892

LABEL: (1, NL)

LRECL=120 , BLKSIZE = 4800

7. PARITY
   ☑ ODD
   ☐ EVEN

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

12. PHYSICAL BLOCK LENGTH IN BYTES
    4800

13. LENGTH OF BYTES IN BITS

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

Two record types, master record (2), and detail record (3) differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

One file containing 24 stations. Each station has the required master record followed by detail records.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
   NAME AND PHONE NUMBER ___Patricia Morrison___
   ADDRESS ___Dept. of Oceanography, University of Washington, Seattle, WA   98195___

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)
    VOL: SER: 009469
    LABEL: (1, NL)
    LRECL = 60

12. PHYSICAL BLOCK LENGTH IN BYTES
    3600

13. LENGTH OF BYTES IN BITS
    6

NOAA FORM 24-13   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
Temperature	^{o}C	CTD – Plessey Model 9400 Sensor Model 4500	N/A	Coarse gradient filter correct for sensor mismatch correct on basis of bottle calibrations Interpolate to 1-m intervals
Salinity	$^{o}/oo$	CTD – Plessey Model 9400 Sensor Model 6500	N/A	Coarse gradient filter correct on basis of bottle calibrations Interpolate to 1-m intervals
Depth	m	CTD – Plessey Model 9400 Sensor Model 4600	N/A	Average depths within 0.1 m Allow only monotonic increase

022-2

#2 001545

007508

120/4800, F022

ANSI 000295

5464

(C4049)

#1 U020118

TR (268) 530-531, 551, 578, 582, 592, 740-741, 1320-1321,
1338, 1339, 1449-1453, 1541-1548, 1702-1704, 1720-1721,
1846-1851, 1854, 1892, 2095, 2100-2101, 2127-2128,
2381, 2387-2388, 2776-2777, 2931-2933

263,398

accession no: 76-1640

```
Password:
 accNo    fleA refNo  proj inst ship    startDate  cruise    catId
 -------- ---- ------ ---- ---- ------- ---------- --------- ----------
 7601640  F022 TR0268 0081 3109 32HP    1976/02/20 W00022         300665
 7601640  C022 329046 0081 3109 32HP    1976/02/20 TR0268         300666

(2 rows affected)
```

Password:
```
 accNo    fleA refNo  ship staCnt recCnt startDate  endDate
 -------  ---- ------ ---- ------ ------ ---------- ----------
 7601640 F022 TR0268 32HP 24     871    76/02/20   76/02/29
 7601640 C022 329046 32HP 24     29     76/02/20   76/02/29
```

(2 rows affected)