

ACCESSION
NUMBER

76-0744B

DATA DOCUMENTATION FORM (Continued)

BI0008

NOAA FORM 24-15
(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.S. No. 41-82691

This form should accompany all data submissions to NOOC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NOOC 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.

TIME = 2894

FROM: DON BISHOP

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			
COASTAL UPWELLING ECOSYSTEMS ANALYSIS UNIVERSITY OF WASHINGTON DEPARTMENT OF OCEANOGRAPHY SEATTLE, WASHINGTON 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
JOINT - I		CRUISE 082	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
ATLANTIS II	SHIP	U.S. U.S.	8 MAR 74 25 APR 74
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 (CNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTER 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)			
DON BISHOP (206) 543-7242			

NAME
 STAT
 CAST
 LATI:
 LONGI:
 DATE
 TIME
 SONIC DEPTH
 SECCHI DISK DEPTH
 SAMPLE DEPTH
 TEMPERATURE
 SALINITY
 SIGMA - T
 OXYGEN
 OXYGEN
 APPARENT OXYGEN UTILIZATION
 PERCENT OXYGEN SATURATION
 FLUOROMETRIC CHLOROPHYLL

NUDC TAPE 2894
 LRECL=80, BLKS, 3E=800
 LABEL=C,NL)
 9 TRK, 1600b.p.l
 RECFM=FB

MINUTES AND SECONDS
 CHRONOMETER
 SONIC DEPTH RECORDER

CONTENT

ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	H.O. 614
GUIDELINE SALINOMETER AND WHOI SALINOMETER	N/A
N/A	H.O. 615
CHESAPEAKE BAY WINKLER METHOD	N/A
N/A	N/A
N/A	WEISS' FORMULA(1970)
N/A	WEISS' FORMULA (1970)
TURNER FLUOROMETER	N/A

1055
 1001
 1003
 1002
 1591
 5000

NAME OF DATA FIELD	UNIT CODE	INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHOD (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
1216 PHOSPHATE	UGAT/L	NISKIN BOTTLE	AUTANALYZER	N/A
130 SILICATE	UGAT/L	NISKIN BOTTLE	AUTOANALYZER	N/A
131 NITRATE	UGAT/L	NISKIN BOTTLE	AUTOANALYZER	CORRECTED FOR THE NITRITE CONTRIBUTION WHENEVER NITRITE DATA WERE AVAILABLE.
1126 NITRITE	UGAT/L	NISKIN BOTTLE	AUTOANALYZER	N/A
1041 AMMONIA	UGAT/L	NISKIN BOTTLE	AUTOANALYZER	N/A
NITRATE/ SILICATE RATIO	N/A	N/A	N/A	NITRATE/SILICATE
1061 1057 O ₂	MICRO LITERS OF O ₂ PER LITER PER HOUR.	NISKIN BOTTLE	BECKMAN ACTA-II	N/A
1023 CARBON - 14 UPTAKE	MG/M ³ /HR	NISKIN BOTTLE	SCINTILLATION BECKMAN ACTA-II COUNTER	N/A
100- 5669 34-516 UREA	MICROMOLES/ LITER	NISKIN BOTTLE	AUTOANALYZER	N/A
DISSOLVED ORGANIC NITROGEN	UG/L	NISKIN BOTTLE	AUTOANALYZER	N/A
TOTAL PARTICLES	COUNTS/LITER	NISKIN BOTTLE	BIOPHYSICS LASER PARTICLE COUNTER	N/A
PARTICLE AREA	TOTAL AREA IN SQUARE MICRONS	NISKIN BOTTLE	"	N/A
PARTICLE VOLUME	TOTAL AREA IN CUBIC MICRONS	NISKIN BOTTLE	"	N/A

NOD
 L RECLS
 LABEL=C
 9 RK, 16 L
 CFM=F

C. DATA FORMAT ORIGINAL

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

HEADER RECORD - AN 'H' IN COLUMN 1. TWO HEADER RECORDS PER STATION CONTAINING ONE CAST. (i.e. FOUR(4) HEADER RECORDS FOR A STATION WITH A DOUBLE CAST.)

DATA RECORD - A 'D' IN COLUMN 1. THERE ARE FOUR (4) DATA RECORDS PER SAMPLE DEPTH.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

EACH STATIONS DATA HAS TWO (2) (FOUR (4) DEPENDING ON NUMBER OF CASTS) HEADER RECORDS FOLLOWED BY FOUR (4) DATA RECORDS PER SAMPLE DEPTH. DATA RECORDS ARE ALWAYS SEQUENCED BY INCREASING DEPTH IN GROUPS OF FOUR (4) DATA RECORDS PER SAMPLE DEPTH.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER DON BISHOP (206) 543-7242
ADDRESS UNIVERSITY OF WASHINGTON WB -10 SEATTLE, WASHINGTON 98195

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 <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 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"/> 777</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>BB UNIVERSITY OF WASHINGTON ANSI STANDARD 9-TRACK TAPE DON BISHOP JOINT - I HYDRO (206) 543-7242</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>256</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8 bits/byte</p>

RECORD FORMAT DESCRIPTION

RECORD NAME: HEADER RECORD #1 (& 3) . ORIGINAL

FIELD NAME	15. POSITION FROM - 1 MEASURED IN CHAR. (e.g., bit, bytes)	15. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	AN 'H' INDICATES HEADER RECORD
STATION NUMBER	2	5	CHAR	I5	STATION DESIGNATION
CAST	18	5	CHAR	I5	DESIGNATES THE NUMBER OF THE WIRE CAST FOR A STATION.
LATITUDE	30	9	CHAR	9A1	XX_XX.X_N (NOTE: ' ' DENOTES A BLANK SPACE)
LONGITUDE	42	10	CHAR	10A1	XXX_XX.X_W (NOTE: ' ' DENOTES A BLANK SPACE)
DATE	55	9	CHAR	9A1	GMT DATE (dd mm yy) (NOTE: ' ' DENOTES A BLANK SPACE)
TIME	69	8	CHAR	8A1	GMT TIME (hh:mm:ss)

RECORD FORMAT DESCRIPTION

RECORD NAME HEADER RECORD #2 (& #4) ORIGINAL

FIELD NAME	15. POSITION FROM - 1 MEASURED IN CHAR <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	AN 'H' INDICATES HEADER RECORD
STATION NUMBER	2	5	CHAR	I5	STATION DESIGNATION
CAST	18	5	CHAR	I5	CAST DESIGNATION
SONIC DEPTH	29	7	CHAR	F7.0	DEPTH TO BOTTOM
SECCHI DEPTH	43	5	CHAR	I5	SECCHI DISK DEPTH FOR EACH STATION.

DATA RECORD # 1 RECORD FORMAT DESCRIPTION

RECORD NAME

FIELD NAME	15. POSITION FROM - 1 MEASURED IN CHAR (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	A 'D' INDICATES A DATA RECORD
CAST	2	8	CHAR	I8	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH	10	13	CHAR	F13.0	SAMPLE DEPTH IN METERS
TEMPERATURE	23	13	CHAR	F13.0	TEMPERATURE AT SAMPLE DEPTH DEGREES CELSIUS.
SALINITY	36	13	CHAR	F13.0	SALINITY AT SAMPLE DEPTH, PARTS PER THOUSAND.
SIGMA-T	49	13	CHAR	F13.0	AN EXPRESSION FOR THE DENSITY OF THE SAMPLE AT ATMOSPHERIC PRESSURE.
OXYGEN	62	13	CHAR	F13.0	ML/L

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD #2

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN CHAR (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	A 'D' INDICATES A DATA RECORD
CAST	2	8	CHAR	I8	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH	10	13	CHAR	F13.0	SAMPLE DEPTH IN METERS
OXYGEN	23	13	CHAR	F13.0	MILLIGRAM-ATOMS/LITER
APPARENT OXYGEN UTILIZATION	36	13	CHAR	F13.0	DIFFERENCE BETWEEN THE SURFACE EQUILIBRIUM SOLUBILITY OF THE SAMPLE WATER AS DETERMINED BY WEISS' (1970) FORMULA AND THE OBSERVED OXYGEN CONCENTRATION IN MG-ATOMS/LITER.
PERCENT OXYGEN SATURATION	49	13	CHAR	F13.0	OBSERVED OXYGEN CONCENTRATION DIVIDED BY THE SURFACE EQUILIBRIUM SOLUBILITY VALUE (FROM WEISS' FORMULA).
FLUOROMETRIC CHLOROPHYLL	62	13	CHAR	F13.0	IN MICROGRAMS PER LITER

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD #3 (RUC TA 11)

FIELD NAME	15. POSITION FROM - 1 MEASURED IN CHAR (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	A 'D' INDICATES A DATA RECORD
CAST	2	8	CHAR	I8	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH	10	13	CHAR	F13.0	SAMPLE DEPTH IN METERS
PHOSPHATE	23	13	CHAR	F13.0	REACTIVE PHOSPHOROUS IN MICROGRAM ATOMS PER LITER.
SILICATE	36	13	CHAR	F13.0	DISSOLVED SILICON IN MICROGRAM ATOMS PER LITER.
NITRATE	49	13	CHAR	F13.0	IN MICROGRAM ATOMS PER LITER CORRECTED FOR THE NITRITE CONTRIBUTION WHENEVER NITRITE DATA WERE AVAILABLE.
NITRITE	62	13	CHAR	F13.0	IN MICROGRAM ATOMS PER LITER

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD #4

FIELD NAME	15. POSITION FROM - 1 MEASURED IN CHAR (e.g., bit's, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	A 'D' INDICATES A DATA RECORD
CAST	2	8	CHAR	I8	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH	10	12	CHAR	F13.0	SAMPLE DEPTH IN METERS
AMMONIA	23	13	CHAR	F13.0	IN MICROGRAM ATOMS PER LITER
NITRATE/SILICATE RATIO	36	13	CHAR	F13.0	NITRATE CONCENTRATION DIVIDED BY THE SILICATE CONCENTRATION.
ETS	49	13	CHAR	F13.0	ELECTRON TRANSPORT SYSTEM
CARBON - 14	62	13	CHAR	F13.0	CARBON UPTAKE

RECORD FORMAT DESCRIPTION

RECORD NAME

DATA RECORD # 5

5. FIELD NAME	15. POSITION FROM - 1 MEASURED IN CHAR <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	A 'D' INDICATES A DATA RECORD
CAST	2	8	CHAR	I8	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH	10	13	CHAR	F13.0	SAMPLE DEPTH IN METERS
UREA	23	13	CHAR	F13.0	IN MICROGRAM ATOMS PER LITER
DON (DISSOLVED ORGANIC NITROGEN)	36	13	CHAR	F13.0	IN MICROGRAMS PER LITER
TOTAL PARTICLES	49	13	CHAR	F13.0	COUNTS PER LITER
PARTICLE AREA	62	13	CHAR	F13.0	TOTAL PARTICLE AREA

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD # 6

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN CHAR (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	A 'D' INDICATES A DATA RECORD
CAST	2	8	CHAR	I8	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH	10	13	CHAR	F13.0	SAMPLE DEPTH IN METERS
PARTICLE VOLUME	23	13	CHAR	F13.0	TOTAL PARTICLE VOLUME

DATA DOCUMENTATION FORM

B.F.0008

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

175 stations, 9252 records

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 COASTAL UPWELLING ECOSYSTEMS ANALYSIS UNIVERSITY OF WASHINGTON DEPARTMENT OF OCEANOGRAPHY SEATTLE, WASHINGTON 98195						
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED TRIMT-I			3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 175 STATIONS			
4. PLATFORM NAME(S) A AND B	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES		
		PLATFORM U.S.	OPERATOR U.S.	FROM: MO/DAY/YR 8 Nov 79	TO: MO/DAY/YR 25 May 80	
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 175 STATIONS, 9252 RECORDS				
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 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) DON. R. SHEP (202) 328-7000 UNIV. WASH. DR. ROBERT D. HARRIS UNIV. MAR. 1490 W. 11TH AVE. BEAUFORT, N.C. 28516 DR. GEORGE J. GREGG UNIVERSITY OF						

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
STATION NUMBER	N/A	N/A	N/A	N/A
CAST	N/A	N/A	N/A	N/A
LATITUDE	degrees, minutes, & seconds	Satellite navigation Fidelity Loren	N/A	N/A
Longitude	"	"	"	"
Date	(GMT, Day, Month, Year)	CALENDAR	N/A	N/A
Time	hours (GMT), minutes and seconds	Ship's chronometer	N/A	N/A
Surface depth	meters	Depth recorder	"	"
Second depth	meters	Surface cast	"	"
Third depth	meters	Water wheel	"	"
Temperature	centigrade	recording thermometers	"	H.O. 614
Salinity	‰	W skin bottles	WHO2 salinometer	N/A
Dissolved Oxygen	N/A	N/A	N/A	H.O. 615
Chlorophyll	mg/L	Winkler bottle	Lowry method	N/A
Phytoplankton	MG/L	Winkler bottle	N/A	Walls (Furman) (1970)
Seawater	MG/L	N/A	N/A	Walls (Furman) (1970)
Water sample	MG/L	Winkler bottle	Thomson (Lowry) et al	N/A

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
phosphate	µM/L	Wiskin bottle	Autoanalyzer	N/A
silica	"	"	"	"
Nitrate	"	"	"	corrected for the nitrate contribution when nitrate data were available
Nitrite	"	"	"	N/A
Ammonia	"	"	"	"
Nitrate/Nitrite	N/A	N/A	N/A	Nitrate/silicate
ETS	µM/L	Wiskin bottle	Rankman Acta-II	N/A
CARBON-14 UPTAKE	µM ³ /HR	"	Exchange Serial Lab.	N/A
UREA	µM/L	"	Autoanalyzer	"
Dissolved inorganic nitrogen	µM/L	"	"	"
TOTAL P	µM/L	"	Autoanalyzer	"
Particulate N	µM/L	"	"	"
Particulate P	µM/L	"	"	"

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

175 problems, 9282 records

Header Records:
H-an H-column 16. Two lines records per group, starting of one with
i (ie. Four (4) leader, one is for station with a length of 7
station 67 has Six (6) leader records.
Detail Records:
D-a D in column 1. There are 6 data records per group of 16
Data records are always aligned in same way, ie groups
of Six (6) data records per group.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Originator Tape: RECORD = 84 BYTES, 1000 RECORDS PER TAPE, 1000 RECORDS PER TAPE
RECORD LENGTH; BLOCK SIZE = 512 (84 X 648) EACH BLOCK HAS EIGHT (8)
SEVENS (7) AT END. VOL=SER=30371

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

Originator Tape: VOL=SER=30371

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER DR. BISHOP (21) 513-4212
ADDRESS University of Maryland, College Park, Md. 20742

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 <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 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 checked="" type="checkbox"/> 777</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>UP UNIVERSITY OF MARYLAND COLLEGE PARK, MD DATA FROM THE CIVIL ENGINEERING</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>512</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8 bits/byte</p>

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

R

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

Header Records: 2 kinds, first 11 characters are same as 1st of file
 11- identified with identifying characters
 11- Control characters (11 characters of file)

Binary or Data Records:
 A Data column 236 type, but page & type numbers for easier identification.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

VOL=SER=002574, 9 TRACK, Density = 1600 b.p.i., LABEL=(NL), FLKSIZE = FDC,
 LRECL=80, RECFM=FB, DSN=IN

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

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" 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>DSN = IN <input checked="" type="checkbox"/> NINE</p> <p>LABEL=(NL) <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY 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 type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>PHYSICAL BLOCK LENGTH = 80</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>PHYSICAL BLOCK</p>

RECORD FORMAT DESCRIPTION

1.1 SER=000.14

RECORD NAME *Header Form*

FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
	1	1	bytes	BLANK	
RECORD CODE	2	1	10	A1	'H'
	3	4		BLANK	
Station number	7	3		I 3	
	10	13		blank	
A&C A&S T	23	1		I 1	
	24	8		blank	
Latitude	32	7		F 9.1	degrees, minutes, (H or S)
	39	1		blank	degrees, minutes
HEMISPHERE	40	1		A1	N
	41	4		blank	
Longitude	45	7		F 9.1	XY-XX.X 1. 'd' indicates a blank space degrees, blank, minutes, blank of minutes
	52	1		blank	
Hemisphere	53	1			W
	54	3		blank	
Date	57	9		A 9	GMT Date (dd-mm-yy) 1. first is blank space
	66	5		blank	
Time	71	8		A 9	GMT Time (hh:mm:ss)
	77	2		blank	

RECORD FORMAT DESCRIPTION

VOL=4E1=01

RECORD NAME

Header Record (and final) no data logs, etc.

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	2	1	bits	A1	BLANK
Station Number	3	4		blank	
	7	3		I3	
	10	13		blank	
ACAST	23	1		I1	
	24	8		blank	
*1 SONIC DEPTH	32	6		F6.0 I4	(-9900) no data Depth to bottom if data
	38	7		blank	
*2 SECCHI DEPTH	45	6		F6.0 I2	(-9900) no data Secchi disk if data depth
	51	30		blank	
<p>*1 If no data - 9900. If found in field. If data is no data then use I4, I2.</p>					
<p>*2 If no data - 9900. If found in field. If data is no data then use I2.</p>					

RECORD NAME

DATA

FIELD NAME	15. POSITION FROM - 1 MEASURED IN (o.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1 2 3	1 1 7	bytes "	BLANK A1 BLANK	'D'
CAST	10 11	1 9		I1 BLANK	
Depth	20 24	4 8		I4 BLANK	Meters
*1 TEMPERATURE	32 38	6 7		F6.0 F5.2 BLANK	(-9900) nodata if data Degrees Centigrade
*2 SALINITY	45 51	6 7		F6.0 BLANK	(-9900) nodata if data Parts per thousand
*3 SIGMA-T	58 64	6 7		F6.0 F6.3 BLANK	(-9900) nodata if data
*4 Oxygen	71 77	6 4		F6.0 F4.2 blank	(-9900) nodata if data ml/L
<p>*1 If no data -9900. is found in field. If data the maximum length is F5.2.</p> <p>*2 If no data -9900. is found in field. If data the maximum length is F6.3.</p> <p>*3 If no data -9900. is found in field. If data the maximum length is F6.3.</p> <p>*4 If no data -9900. is found in field. If data the maximum length is F4.2.</p>					

Data on
DETAIL RECORD (SECTION)

RECORD FORMAT DESCRIPTION

VDL=SEL . . .

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		
	1	1		blank	
RECORD CODE	2	1		A1	'D'
	3	7		blank	
CAST	10	1		I1	
	11	9		blank	
DEPTH	20	4		I4	Meters
	24	8		blank	
*1 OXYGEN	32	6		F6.0 F5.3	(-9900.) no data if data
	38	7		blank	
*2 APPARENT OXYGEN UTILIZATION	45	6		F6.0 F6.3	(-9900.) no data if data
	51	7		blank	
*3 PERCENT OXYGEN SATURATION	58	6		F6.0 I3	(-9900.) no data if data
	64	7		blank	
*4 Fluorometric Chlorophyll	71	6		F6.0 F5.2	(-9900.) no data micrograms/liter if data
	77	4		blank	
<p>*1 If no data -9900. is printed If data the maximum value is printed</p> <p>*2 If no data -9900. is printed If data the maximum value is printed</p> <p>*3 If no data -9900. is printed If data the maximum value is printed</p> <p>*4 If no data -9900. is printed If data the maximum value is printed</p>					

Date: _____

RECORD FORMAT DESCRIPTION

00LPSLR=06.1979

RECORD NAME: TEMP (THERM)

FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
	1	1	bits	blank	
RECORD CODE	2	1	bits	01	'D'
	3	7		blank	
CAST	10	1		I1	
	11	9		blank	
DEPTH	20	4		I4	
	24	8		blank	
*1 PHOSPHATE	32	6		FG.0 FA.2	(-9900) undata if data
	37	7		blank	
*2 Silicate	45	6		FG.0 FS.2	(-9900) undata if data
	51	7		blank	
*3 Nitrate	58	6		FG.0 FS.2	(-9900) undata if data
	64	7		blank	
*4 Nitrite	71	6		FG.0 FA.2	(-1100) undata if data
	77	4		blank	
*1 If undata - 9900 If data - 0.0000	100	4	bits	FA.2	
*2 If undata - 9900 If data - 0.0000	104	4	bits	FS.2	
*3 If undata - 9900 If data - 0.0000	108	4	bits	FA.2	
*4 If undata - 1100 If data - 0.0000	112	4	bits	FA.2	

Date: 12/2

RECORD FORMAT DESCRIPTION

NOAA FORM 24-13 (REV. 5/72)

RECORD NAME

NET. TI. RECORDED UNIT

FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
RECORD CODE	1 2	1 1	by 11	blank PI	DT
CAST	3 10	7 1		blank I1	
DEPTH	11 20	7 4		blank I4	depth
AMMONIA	24 32	8 6		blank F4.0 F4.2	ammonia -9900. no data if data
Nitrate/Silicate Ratio	31 35	7 6		blank F6.0 F6.3	nitrate/silicate ratio -9900. no data if data
ETS (ELECTRODE TRANSPARENT SYSTEM)	31 58	7 6		blank F6.0 F5.2	ETS -9900. no data if data
CARBON-14	64 71	7 6		blank F6.0 F5.2	carbon-14 -9900. no data if data
	77	4		blank	
*1	If no data -9900. no data If data the maximum length is F4.2.				
*2	If no data -9900. no data If data the maximum length is F6.3.				
*3	If no data -9900. no data If data the maximum length is F5.2.				
*4	If no data -9900. no data If data the maximum length is F5.2.				

RECORD NAME DETAIL RECORD (12000)

FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
	1	1	bytes	blank	
RECORD CODE	2	1	"	A1	'D'
	3	7		blank	
EAST	10	1		I1	
	11	9		blank	
DEPTH	20	1		I4	meters
	24	8		blank	
UREA	32	6		F6.0 F4.2	(-9900.) no data / if data microgram atoms per liter
	38	7		blank	
DON (Dissolved Organic Nitrogen)	45	6		F6.0 F5.3	(-9900.) no data / if data microgram atoms per liter
	51	6		blank	
Total particles	57	11		F6.0 E11.10	(-9900.) no data / if data counts per liter
	68	2		blank	
Particle area	70	11		F6.0 E11.10	(-9900.) no data / if data
<p>If no data -9900. is printed in field. If data the maximum value is F4.2</p> <p>If no data -9900. is printed in field. If data the maximum value is F5.3</p> <p>If no data -9900. is printed in field. If data the maximum value is E11.10. Data example: 0.33331E+07 = 0.33331 x 10⁷ (i.e., 3,333,310) (i.e., 0.33331E+07 = 0.33331 x 10⁷)</p> <p>If no data -9900. is printed in field. If data the maximum value is E11.10 Data example: 0.13288E+07 = 0.13288 x 10⁷ (i.e., 1,328,800) (i.e., 0.13288E+07 = 0.13288 x 10⁷)</p>					

Date: 01/05/71

RECORD FORMAT DESCRIPTION

NOAA FORM 24-13 002899

RECORD NAME

DETAIL PICOPD (SIXTH)

FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
	1	1	byte	blank	
RECORD CODE	2	1	"	A1	D'
	3	7	"	blank	
CAST	10	1		I1	
	11	9		blank	
DEPTH	20	1		I4	Meters
	24	7		blank	
Particle volume	31	11		F 6.0 E 11.10	(-9900.) no data if data
	42	39		blank	

If no data -9900. is found in field.
 If data the maximum value found is E 11.10
 Data sample 0.12203E+09 E = power of 10
 (i.e., 0.12203E+09 = 0.12203 x 10⁹)

VOL = SER = 013531 C. DATA FORMAT USCL
 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

Header Records:
 H1 - H in column 2 and I in column 3 has latitude, longitude and time
 H - H in column 2 and column 3 blank

Data Records:
 D1 - D in column 2 and I in column 3
 D2 - " " " 2 " 2 " "
 D3 - " " " 2 " 3 " "
 D4 - " " " 3 " 7 " "
 D5 - " " " 2 " 5 " "
 D6 - " " " 2 " 2 " "

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

VOL = SER = 013531, 9 TRACK, Density = 1600 bpi, LABEL = (,SL), BLKSIZE = 800,
 LRECL = 80, RECFM = FB, DSN = CHEJOINT

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

VOL = SER = 013531

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____
 ADDRESS _____

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 type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p>DSN = CHEJOINT</p> <p>LABEL = (,SL)</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 type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LABEL SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>BLKSIZE = 800 LRECL = 80</p>
	<p>13. LENGTH OF BYTES IN BITS</p> <p>RECFM = FB</p>

RECORD FORMAT DESCRIPTION

DATE: 11/22/72

RECORD NAME: HEAD RECORD

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		
a 1 was placed in column 3. are same as Tapes.		3			

RECORD FORMAT DESCRIPTION

Doc # 11000
 1101-017-113521

RECORD NAME HEADER RECORD (number 1)

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		
no connections made. Tape 2894.			all		Dimensions and fields same as

DATA

RECORD FORMAT DESCRIPTION

11/11/51

RECORD NAME DE WIL RECORD 1

001-541 013531

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		
a l was pl as a	at in Type	3			

RECORD FORMAT DESCRIPTION

411501
 UCL-517-5175-1

RECORD NAME Data on 15710 Record 2

4. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
2	was placed in column 3				are same as Tape 2871.

RECORD FORMAT DESCRIPTION

NOAA USER

RECORD NAME Data on Data Processing

NOAA FORM 24-13

FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
a 3 was placed in column 3 as same as Tape				3. all all	a column and definition

RECORD FORMAT DESCRIPTION

Handwritten notes: 10/1/72
11/1/72

RECORD NAME *10/1/72*

FIELD NAME	15. POSITION FROM -1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<i>a 4 was g... Type</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>

RECORD FORMAT DESCRIPTION

See also 1006
 VOL SEP 51 7 51

RECORD NAME *Data on District Records*

FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(0.8, bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<i>a 6 was placed in fields as same as</i>		<i>columns</i>		<i>3. All other columns and</i>	
		<i>Tap. 2 74.</i>			