

78-0383-TR3030

ACCESSION
NUMBER78-0383
TR3030

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

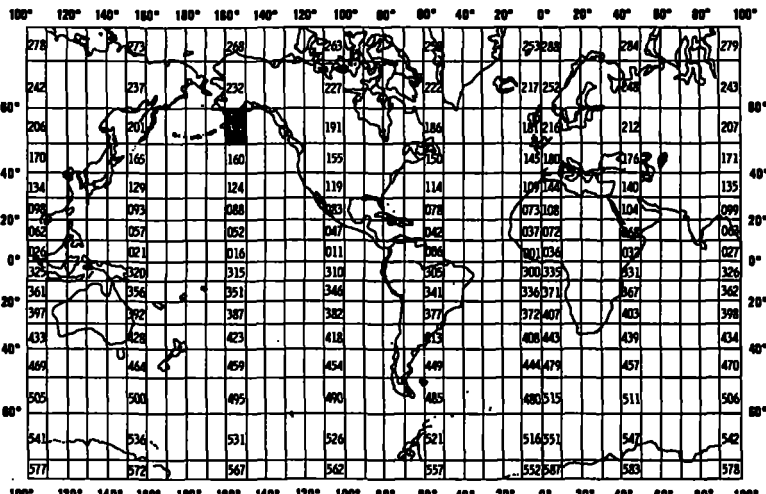
This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, 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.

RECEIVED
APR 25 1978

NEG OA

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			
Richard Feely Pacific Marine Environmental Laboratory/ERL/NOAA 3711 15th Ave. N. E. Seattle, WA 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSEAP (Bureau of Land Management) Research Unit 152		770404	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
DISCOVERER RP-4-Di-77A-IV	ship	USA USA	FROM: MO/DAY/YR TO: MO/DAY/YR 04/04/77 04/16/77
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. Lower Cook Inlet and Shelikof Strait GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" 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) R. Richard Feely PMEL/ERL/NOAA 442-5436 (commercial) 399-5436 (FTS)			

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	7or	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)

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
Particulate major and minor elements:	C- Wt. % N- Wt. % MgO- Wt. % Al ₂ O ₃ - Wt. % SiO ₂ , K ₂ O, CaO, TiO ₂ , Cr, Mn, Fe, Ni, Cu, Zn and Pb Cr- ppm Mn- ppm Fe- Wt. % Ni- ppm Cu- ppm Zn- ppm Pb- ppm			
C,N,MgO,Al ₂ O ₃				
SiO ₂ , K ₂ O, CaO,				
TiO ₂ , Cr, Mn, Fe,				
Ni, Cu, Zn and Pb				
Total suspended matter (TSM)	μg/l			
Nephels	kHz to hundredths			

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

RECORD FORMAT DESCRIPTION

ORD NAME Trace Metals (Data III)

14. FIELD 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 '021'
File Identifier	4	6	Bytes	A6	'YYMMDD' - date of file creation or unique cruise number
Record Type	10	1	Bytes	A1	Always '5'
Sequence Number	11	3	Bytes	I3	Ascending order for sorting
Station Number	14	5	Bytes	A5	
Sample Depth	19	4	Bytes	I4	Whole meters
Replicate Number	23	1	Bytes	I1	
Lab Sample Number	24	4	Bytes	I4	
Nephels	28	5	Bytes	I5	Kilohertz to hundredths
Total Suspended Matter (TSM)	33	6	Bytes	I6	Micrograms per liter
Total Particulate Carbon (TPC)	39	5	Bytes	I5	% by weight to thousandths
Trace Code	44	1	Bytes	A1	*
Total Particulate Nitrogen (TPN)	45	5	Bytes	I5	% by weight to thousandths
Trace Code	50	1	Bytes	A1	*
Magnesium Oxide (MgO)	51	5	Bytes	I5	% by weight to thousandths
Trace Code	56	1	Bytes	A1	*
Aluminum Trioxide (Al ₂ O ₃)	57	5	Bytes	I5	% by weight to thousandths
Trace Code	62	1	Bytes	A1	*
Silicone Dioxide (SiO ₂)	63	5	Bytes	I5	% by weight to thousandths
Trace Code	68	1	Bytes	A1	*

RECORD FORMAT DESCRIPTION

RECORD NAME Trace Metals (Data III) (continued)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Potassium Oxide (K ₂ O)	69	5	Bytes	I5	% by weight to thousandths
Trace Code	74	1	Bytes	A1	*
Calcium Oxide (CaO)	75	5	Bytes	I5	% by weight to thousandths
Trace Code	80	1	Bytes	A1	*
					*Trace code - to be used when no concentrations recorded ' ' - no information '1' - trace found but too small to measure '2' - measurement beyond limits of instrumen- tation

RECORD FORMAT DESCRIPTION

CORD NAME Trace Metals (Data II) (continued)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>Bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Total Lead	71	5	Bytes	I5	Parts per million by weight to tenths
Trace Code	76	1	Bytes	A1	*
Blank	77	4	Bytes	4X	
					*Trace code - to be used when no concentrations recorded ' ' = no information '1' = trace found but too small to measure '2' = measurement beyond limits of instrumentation

RECORD FORMAT DESCRIPTION

CORD NAME Trace Metals (Data II)

1. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Fine Type	1	3	Bytes	A3	Always '021'
File Identifier	4	6	Bytes	A6	'YYMMDD' - date of file creation or unique cruise number
Record Type	10	1	Bytes	A1	Always '4'
Sequence Number	11	3	Bytes	I3	Ascending order for sorting
Station Number	14	5	Bytes	A5	
Sample Depth	19	4	Bytes	I4	Whole meters
Replicate Number	23	1	Bytes	I1	
Lab Sample Number	24	4	Bytes	I4	
Titanium Dioxide (TiO ₂)	28	5	Bytes	I5	% by weight to thousandths
Trace Code	33	1	Bytes	A1	*
Total Chromium	34	6	Bytes	I6	Parts per million by weight to tenths
Trace Code	40	1	Bytes	A1	*
Total Manganese	41	5	Bytes	I5	Parts per million by weight to tenths
Trace Code	46	1	Bytes	A1	*
Total Iron	47	5	Bytes	I5	% by weight to thousandths
Trace Code	52	1	Bytes	A1	*
Total Nickel	53	5	Bytes	I5	Parts per million by weight to tenths
Trace Code	58	1	Bytes	A1	*
Total Copper	59	5	Bytes	I5	Parts per million by weight to tenths
Trace Code	64	1	Bytes	A1	*
Total Zinc	65	5	Byte	I5	Parts per million by weight to tenths
Trace Code	70	1	Bytes	A1	*

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

Record type 1 - 1 in Col. 10

Record type 2 - 2 in Col. 10

Record type 5 - 5 in Col. 10

Record type 4 - 4 in Col. 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is composed of data from 1 cruise.

Record type 1 is a cruise and station description header card;

Record type 2 is a station number card;

Record type 5 is a data listing card;

Record type 4 is a continuation of record type 5.

3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1 ☐ ALGOL ☐ COBOL
☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Jane Hannuksela (206) 442-5436

ADDRESS PMEL, Hangar 32, 7600 Sand Point Way N. E., Seattle, WA 98115

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <div style="font-size: 2em; text-align: center;">012250</div>
8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	
12. PHYSICAL BLOCK LENGTH IN BYTES <div style="text-align: center;">80</div> 13. LENGTH OF BYTES IN BITS <div style="text-align: center;">4800</div>	

RECORD FORMAT DESCRIPTION

ORD NAME Trace Metals (Station/Sample Header)

14. FIELD 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 '021'
File Identifier	4	6	Bytes	A6	'YYMMDD' - date of file creation or unique cruise number
Record Type	10	1	Bytes	A1	Always '1'
Sequence Number	11	3	Bytes	I3	Ascending order for sorting
Station Number	14	5	Bytes	A5	
Latitude,					
Degrees	19	2	Bytes	I2	
Minutes	21	2	Bytes	I2	
Seconds	23	2	Bytes	I2	
Hemisphere	25	1	Bytes	A1	'N' or 'S'
Longitude,					
Degrees	26	3	Bytes	I3	
Minutes	29	2	Bytes	I2	
Seconds	31	2	Bytes	I2	
Hemisphere	33	1	Bytes	A1	'E' or 'W'
Sample Collection					
Date-Time					
Year	34	2	Bytes	I2	00 to 99
Month	36	2	Bytes	I2	01 to 12
Day	38	2	Bytes	I2	01 to 31 G.M.T.
Hour	40	2	Bytes	I2	00 to 23
Minutes	42	2	Bytes	I2	00 to 59
Depth to Bottom	44	5	Bytes	I5	Whole meters
Core Code	49	1	Bytes	A1	
Blank	50	31	Bytes	31X	

RECORD FORMAT DESCRIPTION

RECORD NAME Trace Metals (Text)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '021'
File Identifier	4	6	Bytes	A6	'YYMMDD' - date of file creation or unique cruise number
Record Type	10	1	Bytes	A1	Always '2'
Sequence Number	11	3	Bytes	I3	Ascending order for sorting
Station Number	14	5	Bytes	A5	
Text	19	62	Bytes	62A1	Any descriptive alpha-numeric information

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

USER TAPE

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

D 752- NOAA/EDS/NODC -- 202 634 7505
WASHINGTON, DC 20235

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)

008786 (1,5L)

DSN = TR 3030

12. PHYSICAL BLOCK LENGTH IN BYTES

4800

13. LENGTH OF BYTES IN BITS

120

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 (✓)	
PMEL ANALOG NEPHELOMETER	04/04/77	✓			✓				

END-TAPE
ON THIS DATE

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

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. 41-R2651
EXPIRES 1-81

EPA/P

ORIGINATOR'S TAPE
RETURNED BY REQUEST

(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.

SH 2 MARPO-TIVE-TH-SPAL

NODC TAPES
LRECL = 84 14379
BLKSIZE = 2100 14382
FILE = # 10

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 Dr. Nick Felberingham Biology Department University of Houston Houston, Texas 77004 Phone: (713) 149-1463			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Environmental Assessment of an Active Oil Field in the Northwestern Gulf of Mexico, 1976-1977 EPA-JAG-DS E 693 EO		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT NONE	
4. PLATFORM NAME(S) GUS II	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR NATIONALITY (IES) PLATFORM OPERATOR US US	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 6/1/77 10/1/77 11/1/77 11/1/77
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) All			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Same as Item 1			

RECORD FORMAT DESCRIPTION

RECORD NAME FISH AND MACRO-INVERTEBRATE QUADRATS ~~TABLE~~

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	I3	"107" constant
Record type	4	1	bytes	I1	"1" constant
Station	5	5	bytes	A5	Station number
Latitude					
Degrees	10	2	bytes	I2	
Minutes	12	4	bytes	F4.2	Minutes to seconds
Longitude					
Degrees	16	2	bytes	I2	
Minutes	18	4	bytes	F4.2	Minutes to seconds
Date					
Month	22	2	bytes	I2	
Day	24	2	bytes	I2	
Year	26	2	bytes	I2	Last two digits of year
Time	28	4	bytes	I4	Sample time - 24 hour clock
Pelagic Quadrat Depth	32	3	bytes	F3.1	Pelagic quadrat depth in meters to tenths
Sequence	35	3	bytes	I3	Species sequence number
Species	38	30	bytes	\$A6	Species name
Density	68	4	bytes	F4.1	Density to tenths
Blank	72	13	bytes	13X	Not used

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	‰	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)

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

There is one record type. Each physical record on tape contains 2100 bytes and consists of 25 logical records as described in Section 1d.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

The file consists of multiple physical records (2100 bytes in length) followed by an end of file.

This file is the third file on tape 05423
04-2986

3. ATTRIBUTES AS EXPRESSED IN

☐

PL-1

☐

ALGOL

☐

COBOL

☒

FORTRAN

☐

LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

Hillman Holley - 504 255 1306 (F75 685 686)

ADDRESS

Slidell Computer Center Slidell, La. 70458

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input checked="" type="checkbox"/> SEVEN <input type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input type="checkbox"/> ODD <input checked="" type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) TIEDSI H HOLLEY CUT*EDS ARCHIVAL #4
8. DENSITY <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____	12. PHYSICAL BLOCK LENGTH IN BYTES 2100 13. LENGTH OF BYTES IN BITS 6



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE
Washington, D.C. 20235
National Oceanographic Data Center

DDF A:2:16

Date :
To : D781
From : D752 *9211*
Subject : Error Correction in Processing of
Data Set - Accession # 78-0383

- 1) File Type: 021
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: TR3030

I. Error corrections as reported to Principal Investigator:

II. Additional error corrections:

3 MASTER RECORD LONGITUDE ERRORS CORRECTED.

III. Processor name: _____



SAMPLING METHODS

Water samples were collected in 10-liter Top-drop Niskin bottles and filtered under vacuum, through preweighed 0.4 μm Nuclepore and Sela silver filters. The filters were removed from the filtration apparatus, placed into individually marked petri dishes, dried in a desiccator for 24 hours and stored for shipment to the laboratory.

The vertical distribution of suspended matter was determined with a continuously recording integrating nephelometer. The instrument was interfaced with the Plessey CTD system using the sound velocity channel (14-16 kHz) such that real time measurements of forward light scattering were obtained at each station.

ANALYTICAL METHODS

Particulate carbon and nitrogen are being analyzed by the Micro-Dumas dry combustion method, employing a Hewlett Packard 185B C-H-N analyzer (Sharp, 1974). Particulate matter is removed from 1-liter volumes by vacuum filtration and the carbon and nitrogen combusted to CO_2 and N_2 . After separation by gas chromatography, the gases are quantitatively determined by thermal conductivity. Standardization is effected with NBS acetanilide.

The major and trace inorganic elements in the suspended matter are determined by secondary emission x-ray fluorescence spectrometry. Radiation from a silver x-ray tube is used to obtain a monochromatic source of x-rays from a secondary target. USGS standard rocks and NBS glass standards are used for calibration of the individual elements.

The total suspended matter is determined by reweighing the preweighed Nuclepore filters on a Cahn 4700 electrobalance.

DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING

The concentration of each element was calculated from the corrected peak areas and compared to peak areas from standards prepared in the same manner as the samples.

Accuracy

The accuracy of the NBS standards are quoted to be in the range from 0.5-20.0%.

Precision

The total precision for each element, based on replicate sample analysis, is estimated to be:

<u>Element</u>	<u>Coefficient of Variation</u>
Carbon	10.6
Nitrogen	14.0
Magnesium	16.4
Aluminum	9.8
Silicon	9.6
Potassium	10.3
Calcium	17.9
Titanium	9.3
Chromium	16.9
Manganese	9.4
Iron	9.9
Nickel	52.3
Copper	16.1
Zinc	11.3
Lead	14.3



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE
Washington, D.C. 20235
National Oceanographic Data Center

Date :
To : D781
From : D752 *102 11*
Subject : Error Correction in Processing of
Data Set - Accession # 78-0451

- 1) File Type: 021
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: TR3101

I. Error corrections as reported to Principal Investigator:

II. Additional error corrections:

III. Processor name: _____



SAMPLING METHODS

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Water samples were collected in 10-liter Top-drop **NEGOA** bottles and filtered under vacuum, through preweighed 0.4 μ m Nuclepore and Sela silver filters. The filters were removed from the filtration apparatus, placed into individually marked petri dishes, dried in a desiccator for 24 hours and stored for shipment to the laboratory.

The vertical distribution of suspended matter was determined with a continuously recording integrating nephelometer. The instrument was interfaced with the Plessey CTD system using the sound velocity channel (14-16 kHz) such that real time measurements of forward light scattering were obtained at each station.

The concentration of each element was calculated from the corrected peak areas and compared to peak areas from standards prepared in the same manner as the samples.

Accuracy

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Zinc	11.3
Lead	14.3

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NEGOA

ANALYTICAL METHODS

Particulate carbon and nitrogen are being analyzed by the Micro-Dumas dry combustion method, employing a Hewlett Packard 185B C-H-N analyzer (Sharp, 1974). Particulate matter is removed from 1-liter volumes by vacuum filtration and the carbon and nitrogen combusted to CO_2 and N_2 . After separation by gas chromatography, the gases are quantitatively determined by thermal conductivity. Standardization is effected with NBS acetanilide.

The major and trace inorganic elements in the suspended matter are determined by secondary emission x-ray fluorescence spectrometry. Radiation from a silver x-ray tube is used to obtain a monochromatic source of x-rays from a secondary target. USGS standard rocks and NBS glass standards are used for calibration of the individual elements.

The total suspended matter is determined by reweighing the preweighed Nuclepore filters on a Cahn 4700 electrobalance.

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
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7800383	F144	TR3030	0081	313F	31DS	1977/04/05	RP4DI77A	306987

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Password:

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