

DATA DOCUMENTATION FORM

TR6454

NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
DATE 10-1-80
BY 101-1-1

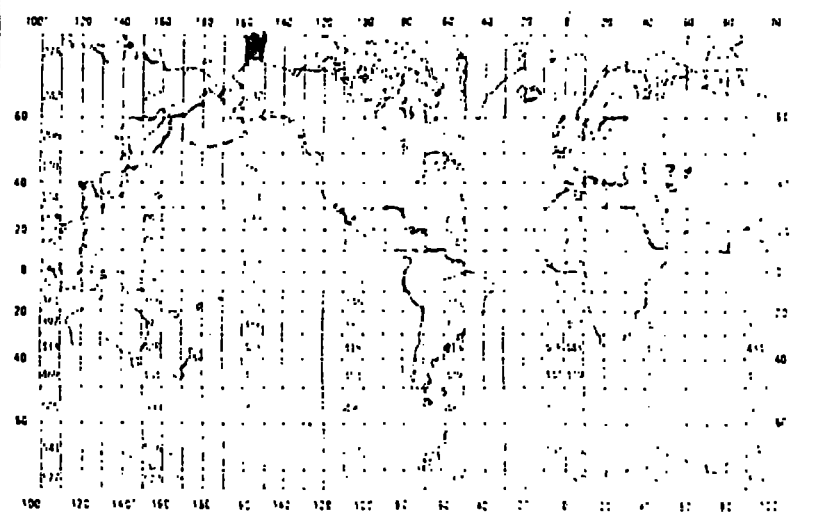
F029

(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			
Rita A. Horner 4211 N.E. 88th St. Seattle, WA. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
US Coast Guard Arctic Summer West 1974		Staten Island File Type 029 File ID <u>740800</u>	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
CGC Staten Island	Ship	Ship	US Coast Guard
			08/07/74 08/15/74
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? (DATE)		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Lat 650000 - 750000 Long 1500000 - 1600000 GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? (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			
Rita A. Horner (206) 543-5399			

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	°C	Deep-sea reversing thermometers	Corrections made at the Coast Guard Oceanographic Unit, Washington, D.C.	
Salinity	‰	Niskin bottles	Samples analyzed by the Coast Guard Oceanographic Unit	
Plant pigments: Chlorophyll <u>a</u>	mg m ⁻³	Niskin bottles; samples filtered through Millipore 0.45 µm, 47 mm filters, MgCO ₃ added near end of filtration, filters frozen	Beckman DU-2 model spectrophotometer; filters ground in 90% acetone, centrifuged 10-15 min before reading at 663 nm	Pigments calculated using SCOR/UNESCO equations (Unesco 1966)

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARD, 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

File Type 029: 7/22/76 version

Three record types: File Header (Type 0); Master Record (Type 1); Detail Record (Type 3). Text Record (Type 4) is not used.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File sorted by station number, 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 Rita A. Horner (206) 543-8599
ADDRESS 4211 N.E. 88th St. Seattle, WA. 98115

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 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><input type="checkbox"/> NINE</p> <p><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>359 029 740800 CGC STATEN ISLAND 74/08/07 74/08/15 HORNER 9TRK,1600BPI, ODD, EBCDIC</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>_____</p>	
<p>13. LENGTH OF BYTES IN BITS</p> <p>_____</p>	

RECORD FORMAT DESCRIPTION

3-31-76
2

RECORD NAME FILE HEADER RECORD - PRIMARY PRODUCTIVITY

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 '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '0'
Vessel	11	11	Bytes	A11	
Cruise	22	6	Bytes	A6	
Cruise Dates in GMT	28	17	Bytes	I2,5(A1,I2)	XX/XX/XX-XX/XX/XX Beginning year, month, day; Ending year, month, day;
Senior Scientist	45	19	Bytes	19A1	Left justified
Investigator/ Institution	64	17	Bytes	17A1	Left justified

RECORD FORMA' DESCRIPTION

2-76 26 3

RECORD NAME MASTER RECORD - PRIMARY PRODUCTIVITY

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 '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Station Number	11	5	Bytes	A5	
Latitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Seconds	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	
Longitude					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Seconds	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	
Year	31	2	Bytes	I2	Last two digits of year } GMT
Month	33	2	Bytes	I2	
Day	35	2	Bytes	I2	
Hour	37	2	Bytes	I2	
Minutes	39	2	Bytes	I2	
Time Zone	41	1	Bytes	A1	Always '+' or '-'
Time Zone	42	2	Bytes	A2	01-12
Depth to Bottom	44	5	Bytes	I5	To Whole Meters
Chlorophyll a (Integrated)	49	4	Bytes	I4	To Tenths (mg m⁻²)

RECORD FORMAT DESCRIPTION

RECORD NAME MASTER RECORD (CONTINUED) Primary Productivity 7-7-78

4. FIELD NAME	13. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	10. USE AND MEANING
		NUMBER	UNITS		
Phaeopigments (Integrated)	53	4	Bytes	I4	To Tenths (mg m⁻²)
Carbon Assimilation (Integrated)	57	5	Bytes	I5	To Tenths (mg C m⁻² Day⁻¹)
One Percent Light Depth	62	3	Bytes	I3	To Whole Meters
Phosphate PO₄ P Reactive time	65	2	Bytes	I2	To Whole Minutes
pH Scale	67	1	Bytes	I1	1 - NBS pH scale 2 - Sorensen pH scale 3 - Hasson pH scale
In Situ Corrections for pH measurements	68	1	Bytes	I1	1 - Temperature and pressure correction have been made. 2 - No corrections made.
SECCHI Depth	69	2	Bytes	I2	To Whole Meters
Mixed Layer Depth	71	3	Bytes	I3	To Whole Meters
Light Level (Aboard Platform)	74	3	Bytes	I3	Langley's/Day
Quantum	77	4	Bytes	I3, I1	μEinstons/m²/Day 3 significant digits and 1 digit for exponent. All reported units will be positive.

RECORD FORMAT DESCRIPTION

5

RECORD NAME DETAIL RECORD - PRIMARY PRODUCTIVITY

7-27-74

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 '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Station Number	11	5	Bytes	A5	
Depth of Sample	16	5	Bytes	I5	To Tenths of Meters
Chlorophyll <u>a</u> Concentration	21	4	Bytes	I4	To Hundredths (mg m ⁻³)
Phaeopigment Concentration	25	1	Bytes	I1	To Hundredths (mg m⁻³)
Carbon Assimilation	29	5	Bytes	I5	To Hundredths (mg C m⁻² hr⁻¹)
Elapsed Time of Incubation	34	1	Bytes	I1	2 bytes hours, 2 bytes minutes
Oxygen	38	4	Bytes	I4	To Hundredths (ml/l)
Phosphate, PO₄-P (inorganic)	42	4	Bytes	I4	To Hundredths (μg/l)
Ammonia NH₃-N	46	3	Bytes	I3	To Tenths (μg-at/l)
Nitrate NO₃-N	49	3	Bytes	I3	To Tenths (μg-at/l)
Nitrite NO₂-N	52	3	Bytes	I3	To Hundredths (μg-at/l)
Silicate SiO₃-Si	55	5	Bytes	I5	To Hundredths (μg-at/l)
pH	60	3	Bytes	I3	To Hundredths
Alkalinity, total	63	1	Bytes	I1	To Thousandths (meq/l)
Temperature	67	4	Bytes	I4	To Hundredths °C
Salinity	71	4	Bytes	I4	To Hundredths (g/cc)
Blank	75	3	Bytes	3X	
Sequence Number	78	3	Bytes	I3	

RECORD FORMAT DESCRIPTION

RECORD NAME ~~Text Record (Primary Production)~~

4. FIELD NAME	15. POSITION FROM 1. MEASURED IN BYTES (Include Sign, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	13	Always 10001
File Identifier	4	6	Bytes	16	
Record Type	10	1	Bytes	11	Always 111
Station Number	11	5	Bytes	15	
Text	16	62	Bytes	62112	
Sequence Number	78	3	Bytes	10	

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 (✓)	
Deep-sea reversing Thermometers	?		U.S. Coast Guard	?					
Beckman DU-2 Spectrophotometer	?		Naval Arctic Research Lab.	?			?		

DATA DOCUMENTATION FORM

TR6455

NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
NO. 1-41-00-1
EXPI. 12-77

F029

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A. ORIGINATOR IDENTIFICATION

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Rita A. Horner 4211 N.E. 88th St. Seattle, WA. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSEAP/Polar Sea		Polar Sea File Type 029 File ID 790405	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
CGC Polar Sea	Ship	Ship	US Coast Guard
			04/17/79 05/06/79
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED (TO GENERAL USER) YEAR MONTH		9. PLEASE DARKEN ALL MARSHEN SQUARES ON MAP OF DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Lat GENERAL AREA	
10. ARE DATA DECLARED NATIONAL PROGRAM (ONP)? (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)		11. MAP OF DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Lat GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER AND ADDRESS IF OTHER THAN IN ITEM-1) Rita A. Horner (206) 543-8599		11. MAP OF DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Lat GENERAL AREA	

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	°C	Deep-sea reversing thermometers	Corrections made by the Coast Guard Oceanographic Unit, Washington, D.C.	Values averaged for 2 thermometers per water sampling bottle
Salinity	‰	Niskin bottles	Inductive salinometer Bisset Berman Model 6220	Standard sea water used after every 30 samples
Plant pigments Chlorophyll <u>a</u> , Phaeopigments	Mg m ⁻³	Niskin bottles; samples filtered through Millipore 0.45 µm, 47 mm filters, MgCO ₃ added near end of filtration, filters frozen.	Turner Model 111 Fluorometer. Filters ground in 90% acetone, centrifuged 10-15 minutes before reading	Pigments calculated following Strickland and Parsons (1968)
Primary productivity	Mg C m ⁻³ hr ⁻¹ Mg C m ⁻²	Niskin bottles; samples in 60 ml reagent bottles; 2 ml NaH ¹⁴ CO ₃ added and incubated in a deck incubator with constantly running seawater for 3-4 hr; samples filtered onto Millipore 0.45 µm, 25 mm filters rinsed with .1 N HCl, put in scintillation vials.	10 ml Aquasol (New England Nuclear Co.) added to the filters; counted in a Packard Tri-Carb Liquid Scintillation Spectrometer	Productivity calculated following Strickland and Parsons (1968)
Nutrients:	µg-at l ⁻¹	Niskin bottles; samples taken from water filtered for plant pigments after rinsing filter with ca. 250 ml sample and before MgCO ₃ added. Samples in 125 ml poly bottles and frozen.	Autoanalyzer	

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARD, 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

File Type 029

Four record types: File Header (Type 0); Master Record (Type 1); Detail Record (Type 3); and Text Record (type 4)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File sorted by station number, 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 Rita A. Horner (206) 543-8599
ADDRESS 4211 N.E. 88th St., 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 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 type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <p>359 029 790405 CGC POLAR SEA 79/04/17 79/05/06 HORNER 9TRK, 1600BPI, ODD, EBCDIC</p>
8. DENSITY <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	
12. PHYSICAL BLOCK LENGTH IN BYTES <input type="checkbox"/> _____	
13. LENGTH OF BYTES IN BITS <input type="checkbox"/> _____	

RECORD FORMAT DESCRIPTION

3. 31. 76
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RECORD NAME FILE HEADER RECORD - PRIMARY PRODUCTIVITY

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 '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '0'
Vessel	11	11	Bytes	A11	
Cruise	22	6	Bytes	A6	
Cruise Dates in GMT	28	17	Bytes	I2,5(A1,I2)	XX/XX/XX-XX/XX/XX Beginning year, month, day; Ending year, month, day;
Senior Scientist	45	19	Bytes	19A1	Left justified
Investigator/ Institution	64	17	Bytes	17A1	Left justified

RECORD FORM DESCRIPTION

2-70 2-3

RECORD NAME MASTER RECORD - PRIMARY PRODUCTIVITY

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 '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Station Number	11	5	Bytes	A5	
Latitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Seconds	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	
Longitude					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Seconds	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	
Year	31	2	Bytes	I2	Last two digits of year 1-12 1-31 0-23 0-59 } GMT
Month	33	2	Bytes	I2	
Day	35	2	Bytes	I2	
Hour	37	2	Bytes	I2	
Minutes	39	2	Bytes	I2	
Time Zone	41	1	Bytes	A1	Always '+' or '-'
Time Zone	42	2	Bytes	A2	01-12
Depth to Bottom	44	5	Bytes	I5	To Whole Meters
Chlorophyll a (Integrated)	49	4	Bytes	I4	To Tenths (mg m⁻²)

RECORD FORMAT DESCRIPTION

4

RECORD NAME MASTER RECORD (CONTINUED) Primary Productivity

7-7-78

4. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Phaeopigments (Integrated)	53	4	Bytes	I4	To Tenths (mg m⁻²)
Carbon Assimilation (Integrated)	57	5	Bytes	I5	To Tenths (mg C m ⁻² Day ⁻¹)
One Percent Light Depth	62	3	Bytes	I3	To Whole Meters
Phosphate PO₄ P Reactive time	65	2	Bytes	I2	To Whole Minutes
pH Scale	67	1	Bytes	I1	1 - NBS pH scale 2 - Sorensen pH scale 3 - Hansson pH scale
In Situ Corrections for pH measurements	68	1	Bytes	I1	1 - Temperature and pressure correction have been made. 2 - No corrections made.
SECCHI Depth	69	2	Bytes	I2	To Whole Meters
Mixed Layer Depth	71	3	Bytes	I3	To Whole Meters
Light level (Aboard Platform)	74	3	Bytes	I3	Langley/Day
Chlorophyll	77	4	Bytes	I3, I1	μmoleins/m²/Day 3 significant digits and 1 digit for exponent. All reported units will be positive.

RECORD FORMAT DESCRIPTION

RECORD NAME DETAIL RECORD - PRIMARY PRODUCTIVITY

7-57 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 '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Station Number	11	5	Bytes	A5	
Depth of Sample	16	5	Bytes	I5	To Tenths of Meters
Chlorophyll <i>a</i> Concentration	21	4	Bytes	I4	To Hundredths (mg m ⁻³)
Phaeopigment Concentration	25	4	Bytes	I4	To Hundredths (mg m ⁻³)
Carbon Assimilation	29	5	Bytes	I5	To Hundredths (mg C m ⁻³ hr ⁻¹)
Elapsed Time of Incubation	34	4	Bytes	I4	2 bytes hours, 2 bytes minutes
Oxygen	38	4	Bytes	I4	To Hundredths (ml/l)
Phosphate, PO ₄ -P (inorganic)	42	4	Bytes	I4	To Hundredths (μg-at/l)
Ammonia NH ₃ -N	46	3	Bytes	I3	To Tenths (μg-at/l)
Nitrate NO ₃ -N	49	3	Bytes	I3	To Tenths (μg-at/l)
Nitrite NO ₂ -N	52	3	Bytes	I3	To Hundredths (μg-at/l)
Silicate SiO ₃ -Si	55	5	Bytes	I5	To Hundredths (μg-at/l)
pH	60	3	Bytes	I3	To Hundredths
Alkalinity, total	63	4	Bytes	I4	To Thousandths (meq/l)
Temperature	67	4	Bytes	I4	To Hundredths (°C)
Salinity	71	4	Bytes	I4	To Hundredths (‰)
Blank	75	3	Bytes	3X	
Sequence Number	78	3	Bytes	I3	

RECORD FORMAT DESCRIPTION

RECORD NAME Text Record (Primary Productivity)

FIELD NAME	15. POSITION FROM-1 MEASURED IN BYTES (1-255, 256, 512, etc.)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Station Number	11	5	Bytes	A5	
Text	16	62	Bytes	62A1	
Sequence Number	78	3	Bytes	I3	

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.

[illegible]

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 86-00599

- 1) File Type: 029
- 2) Project Ident.: OCBEAP
- 3) Track Nos.: 6454-55

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

740800 - cols. 4-9.
790405 - " "
Data below range in date year
" above " " time zone
Illegal blank field - date
Data above range in total phaeophytin

✓
✓
✓
✓
NC
✓

III. Processor Name:

Gerald H. Ramon

4/3/80

TAPE ASSIGNMENT SHEET

ACCESSION NO: 80-00599

TR 6454-6455

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CRANE3 OCSE09	NL	80	4000	FB	COPY TAPE OCSE09
DUPLICATE	000144	SL	80	80	F	
REFORMATTED						
FIRST USER	000144	SL	80	80	F	
FINAL USER						Copied to DMNOE+MPDTS, F020T6454 4/2/81

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-00599

	<u>TR</u>	<u>FID</u>	
1) File Type: <u>029</u>	6454	740800	
2) Project Ident.: <u>OCSEAP</u>	6455	790405	
3) Track Nos.: <u>6454-6455</u>			

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

Stations repeated: TR 591602014		✓	
" 02096		✓	
" 02097		✓	
" 02098		✓	
Invalid value for code 0223 trace indicator: col. 68; record 'G'		✓	
Illegal blank field date: col. 22; record 'A'		NC	
" " tax code col. 60; record 'B'			

III. Processor Name: Gerald W. Damon

DATA SET FILE SHEET

Accession No. 80-00599

TR6454-6455

Step Operations	Completion Date	Init.	Tape No.	No. of Files	BLKSIZE	LRECL
Originator Tape No.	12/19/80	KL	CRANE 3 OCSE 09	1	4000	80
QUADI Duplicate Tape #	1/28/81	JND	000144	1	80	80
DDF Evaluation						
Quality Review						
Preliminary Data Sort						
Preliminary Check	3/18/81	JND	000144	1	80	80
First User Tape #						
Final User Tape #						
Final Check	4/2/81	JND				
NAPIS Inventory						
DIP Inventory						
Data Set 'Finalized'	Copied to DM NOE * MPT 15. 4/2/81	JND				

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: Mr. Sid Halminski NODC, Page Building #1 2001 Wisconsin N.W. Washington, D.C. 20235	REFER TO D781x5-80-255
	ATTENTION Sid Halminski

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

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

Enclosed is the finalized version of the Rita Horner RU359 file type 029 data set. Two file I.D.'s are involved: 740800 and 790405. Included in this transmittal are the final check run listings: a check on the data base requirements, a check on embedded blanks, and a check on the digital codes. Also included are a listing of the two data sets, the DDF's, a tracking system print of the files, and the magnetic tape.

The magnetic tape specifications are:

9 track
1600 BPI
EBCDIC
ODD parity
Unlabeled
Blocking factor - 50
Record length - 80

cc: T. Johnson
J. Audet

FORWARDED BY (Signature) Michael L. Crane <i>MLC</i>	TITLE Alaskan Liaison Officer	DATE FORWARDED 11-6-80
RECEIVED BY (Signature) S. J. HALMINSKI <i>SH</i>	TITLE	DATE RECEIVED 11/17/80

· Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
-----	----	-----	----	----	-----	-----	-----	-----
8000599	F029	TR6454	0081	3199	31SI	1974/08/07	740800	313360
8000599	F029	TR6455	0081	3100	32L9	1979/04/17	790405	313361

(2 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
8000599	F029	TR6454	31SI	51	344	74/08/07	74/08/15
8000599	F029	TR6455	32L9	24	218	79/04/17	79/05/06

(2 rows affected)