

File type 29

ACCESSION
NUMBER

79-0075

DDF-B:1:06

DATA DOCUMENTATION FORM

TR3889

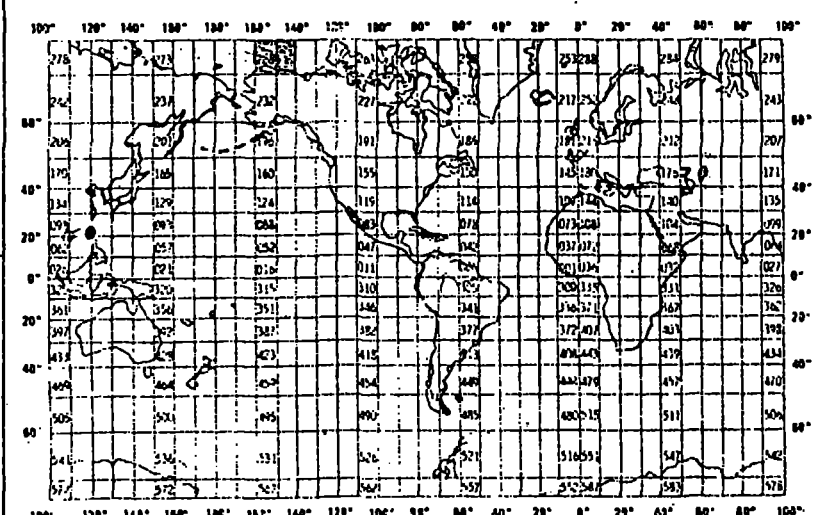
NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.N.B. No. 41-R2651
EXPIRES 1-81

(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, Washington 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
Glacier/OCSEAP		Glacier 77 FT-0029 File ID = 080977	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
USCGC Glacier	Ship	Ship US Coast Guard	FROM: MO/DAY/YR TO: MO/DAY/YR 08/01/77 09/07/77
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.	
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)		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			

NOAA FORM 24-13

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 using calibrations furnished by the Coast Guard following U.S. Naval Oceanographic Office Publ. 607 (1968).	Values averaged for 2 or 3 Thermometers per Niskin bottle
Salinity	‰	Niskin bottles	Inductive salinometer Plessey Environmental Systems Model 6220	Copenhagen water used as standard; salinometer standardized after every 30 samples
Plant pigments: Chlorophyll <i>a</i> , Phaeopigments	mg m ⁻³ ; mg m ⁻²	Niskin bottles; samples filtered through Millipore 0.45 µm HA 47 mm filters, MgCO ₃ added near end of filtration, filters frozen	Turner Model 110 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 hr ⁻¹	Niskin bottles; samples in 60 ml reagent bottles; 2 ml NaH ¹⁴ CO ₃ added and incubated in sink incubator with running seawater and fluorescent lights; incubation time 3-4 hr; samples filtered onto Millipore 0.45 µm HA filters and put in scintillation vials	10 ml Aquasol (New England Nuclear Co.) added to filters; counted in a Packard Tri-Carb Liquid Scintillation Spectrometer	Productivity calculated following Strickland and Parsons (1968).

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
Phytoplankton Standing Stock	Species as number of cells per liter	Niskin bottles; samples preserved with 10 ml 4% formalin buffered with sodium acetate per 250 ml jar	Samples settled 24 hr in 50 ml Zeiss counting chambers; 5 ml chambers counted at 312X for small, common organisms; 50 ml chambers counted at 125X for large, rare organisms; 1/8 or 1/10 of each chamber counted	Number of cells per liter calculated by multiplying number of cells counted by 1600 (1/8 chamber counted) or 2000 (1/10 chamber counted)
Zooplankton Standing Stock	Number per m ³	505 µm mesh bongo net; 571 µm mesh umbrella net TKS flowmeters Model 313 mounted in mouth of bongo net. Tows double oblique with net lowered at 40-50 m/min to about 10 m from the bottom at shallow stations and to 200 m at deep stations, soaked for 30 sec, and retrieved at about 20 m/min. Samples concentrated in net collection cups and put into jars of appropriate size and preserved with 40% formaldehyde buffered with saturated sodium borate and sodium acetate solutions. The amounts of perservative and buffer are determined by jar size	Samples are sorted for amphipods, shrimp, euphausids, mysids, fish eggs and larvae. Sample is then split in a Folsom plankton splitter until about 100 specimens of the most abundant remaining species is obtained. Subsample plus all amphipods, shrimp, euphausids, mysids, fish eggs and larvae are identified and counted using a dissecting microscope. Copepods in the subsample are separated and counted as adults and juveniles without determining genus or species	Equations used to determine number of animals per m ³ are given on page 4

Equations used to Calculate Number of Animals per m³

Bongo Net:

$$\text{Depth of tow} = \left(\begin{matrix} \text{maximum} \\ \text{wire out} \end{matrix} \right) \left(\cos \left(\begin{matrix} \text{wire angle at} \\ \text{maximum wire out} \end{matrix} \right) - \left(\begin{matrix} \text{height above sea surface} \\ \text{when meter wheel was zeroed} \end{matrix} \right) \right)$$

$$\text{Speed of tow} = \frac{\left(\begin{matrix} \text{TSK calibration} \\ \text{factor (m/rev)} \end{matrix} \right) \left(\begin{matrix} \text{\# of revolutions} \\ \text{of TSK meter} \end{matrix} \right)}{(\text{Duration of haul (sec)})}$$

$$\text{Volume of water filtered} = \left(\begin{matrix} \text{\# of revolutions} \\ \text{of TSK meters} \end{matrix} \right) \left(\begin{matrix} \text{bongo mouth} \\ \text{area (0.2827 m}^2\text{)} \end{matrix} \right) \left(\begin{matrix} \text{calibration factor} \\ \text{(m/rev)} \end{matrix} \right)$$

The following two equations are used when the TSK flowmeters do not function:

$$\text{Estimated speed} = \left(\begin{matrix} \text{requested ship} \\ \text{speed (3 kt)} \end{matrix} \right) (\text{duration of tow})$$

$$\text{Estimated volume of water filtered} = \left(\begin{matrix} \text{requested ship} \\ \text{speed (3 kt)} \end{matrix} \right) \left(\begin{matrix} \text{bongo mouth} \\ \text{area (0.2827 m}^2\text{)} \end{matrix} \right) (\text{duration of tow})$$

Umbrella Net:

$$\text{Speed of tow} = (\text{Length of tow} (\text{duration of tow})^{-1})$$

$$\text{Length of tow} = (\text{Wire out (m)}) - (\text{Depth at which net was closed})$$

$$\text{Volume of water filtered} = (\text{Mouth area (4 m}^2\text{)}) (\text{Length of tow (m)})$$

All Samples

$$\text{Size of subsample} = \left(\frac{1}{2} (\text{number of splits}) \right) (100)$$

(% to 0.1)

Primary Production 029 18

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

Three (3) record types: File Header (Type 0); Master Record (Type 1);
Detail Record (Type 3); ~~and Text Record (Type 4)~~ differentiated
by byte 10.

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 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 checked="" 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 <input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input 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>359 029 080977</p> <p>GLACIER</p> <p>77/08/10 77/09/07 HORNER</p> <p>9TRK, 1600BPI, ODD, EBCDIC</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 356 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4000 (80x50)</p> <p>13. LENGTH OF BYTES IN BITS</p>

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 '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 NAME MASTER RECORD - PRIMARY PRODUCTIVITY

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 '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 Always '+' or '-' 01-12 To Whole Meters To Tenths (mg m ⁻²)
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	
Time Zone	42	2	Bytes	A2	
Depth to Bottom	44	5	Bytes	I5	
Chlorophyll <u>a</u> (Integrated)	49	4	Bytes	I4	

RECORD NAME MASTER RECORD (CONTINUED) 41 Primary Productivity

14. 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 ($\text{mg C m}^{-2} \text{ Day}^{-1}$)
One Percent Light Depth	62	3	Bytes	I3	To Whole Meters
Phosphate $\text{PO}_4\text{-P}$ Reactive time	65	2	Bytes	I2	To Whole Minutes
pH Scale	67	1	Bytes	I1	1 - MDS pH scale 2 - Soransen 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 Plot Comm)	74	3	Bytes	I3	Loggers/Day
Blank	77	4	Bytes	4X	

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	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	

ACCARD NAME

~~CONFIDENTIAL~~

1. The first part of the paper is devoted to a review of the literature on the topic.

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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	?					24
Plessey Environmental Systems Model 6220	?		U.S Coast Guard	?					
Turner Model 110 fluorometer	?		Dr. C. J. Lorenzen	X					
Packard Tri-Carb Liquid Scintillation Spectrometer	?		Factory Representatives	X					
TSK Model 313 flow meters	?	X		X					
Bathykymograph	?	X		X					

		GLACIER	77/08/21-77/09/06HORNER	HORNER/	
0101	0290809770	17119	N15759 W7708020225+09 87 950 4		
0102	0290809771	1	00	5083024	001
0103	0290809773	1	50	4433166	002
0104	0290809773	1	100 04 14	4213209	003
0105	0290809773	1	150 22 02	1923218	004
0106	0290809773	1	200 13	-1313267	005
0107	0290809773	1	250 426	-1463295	006
0108	0290809773	1	300 363	-1203289	007
0109	0290809773	1	450 474	-0933301	008
0110	0290809773	27122	N16004 W7708021615+09 48 648 119 325		
0111	0290809771	2	00 31 02 06 300	1773020	001
0112	0290809773	2	40	154	002
0113	0290809773	2	70 25 02 05 300	-0623090	003
0114	0290809773	2	110 12 08 314	-1153129	004
0115	0290809773	2	220 43 12 31 314	-1413227	005
0116	0290809773	2	270 182 25 158 320	-1483240	006
0117	0290809773	2	350 306 17 144 320	-1663280	007
0118	0290809773	2	450 372 145 115 331	-1723364	008
0119	0290809773	37124	N16200 W7708031430+09 46 732 54 602	10	
0120	0290809771	3	00 26 12 11 400	-0172809	001
0121	0290809773	3	40 09 13 06 400	2103012	002
0122	0290809773	3	80 12 05 10 402	2283030	003
0123	0290809773	3	140 08 04 11 402	4253160	004
0124	0290809773	3	200 45 34 19 405	-1513257	005
0125	0290809773	3	270 382 05 220 405	-1713309	006
0126	0290809773	3	350 280 05 288 407	-1713316	007
0201	0290809773	3	450 289 22 298 407	-1723317	008
0202	0290809773	47125	N16400 W7708041420+09 422520 99 870	8	
0203	0290809771	4	00 15 04 11 400	-0142714	001
0204	0290809773	4	50 11 21 09 400	1363050	002
0205	0290809773	4	100 40 15 29 403	-0473177	003
0206	0290809773	4	150 10 35 06 403	-1433232	004
0207	0290809773	4	200 758 452 405	-1533249	005
0208	0290809773	4	2502294 796 405	-1703282	006
0209	0290809773	4	300 908 22 184 410	-1703318	007
0210	0290809773	4	450 69 16 49 410	-1743345	008
0211	0290809773	57112	N15822 W7708061440+09 1078014 144 2833	9	
0212	0290809771	5	00 27 03 08 400	1202426	001
0213	0290809773	5	100 10 22 09 400	3893132	002
0214	0290809773	5	200 34 13 34 402	-0093197	003
0215	0290809773	5	3001880 308 402	-1633278	004
0216	0290809773	5	4501545 420 404	-1623292	005
0217	0290809773	5	6001434 19 363 404	-1643286	006
0218	0290809773	5	7501517 48 379 409	-1653287	007
0219	0290809773	5	1000 375 409	-1703292	008
0220	0290809773	67125	N15656 W7708062240+09 1121490 322 600	11	
0221	0290809771	6	00 22 02 16 358	2812938	001
0222	0290809773	6	100 20 09 21 358	2833064	002
0223	0290809773	6	200 61 27 48 402	0133236	003
0224	0290809773	6	300 94 25 51 402	-0213246	004
0225	0290809773	6	450 153 43 55 404	1693247	005
0226	0290809773	6	600 137 39 56 404	-0603249	006
0301	0290809773	6	750 185 27 68 407	-0723251	007
0302	0290809773	6	1000 380 61 125 407	-1383269	008
0303	0290809773	77146	N15551 W7708071425+09 1231115 123 450	16	
0304	0290809771	7	00 22 18 05 403	0272794	001
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0306	0290809773	7	200 11 04 02 406	-0973119	003
0307	0290809773	7	300 74 24 406	-1413155	004
0308	0290809773	7	450 148 20 102 405	-1293204	005
0309	0290809773	7	600 185 01 59 405	-1263244	006
0310	0290809773	7	750 178 20 63 415	-1083295	007
0311	0290809773	7	1000 104 19 32 415	-1613320	008
0312	0290809773	87157	N15433 W7708091425+09 183 545 402 467	15	
0313	0290809771	8	00 16 10 09 358	1122822	001
0314	0290809773	8	100 18 02 11 358	1122827	002
0315	0290809773	8	200 25 08 25 356	-0333027	003
0316	0290809773	8	300 33 12 30 400	0853158	004
0317	0290809773	8	450 42 47 66 401	-0503254	005
0318	0290809773	8	600 98 20 36 357	-1243301	006
0319	0290809773	8	750 10 04 41 404	-1293313	007
0320	0290809773	8	1000 45 14 15 404	-1663343	008
0321	0290809773	8	1250 24 15 23 408	-1503377	009
0322	0290809773				

0323	0290809773	8	1500	09	69					-0953420	010
0324	0290809773	8	1750	22	15	12	408			0053470	011
0325	0290809771	97224	N15437	W7708100402+09	2196	154	166	160			
0326	0290809773	9	00	17	13	14	300			-0732520	001
0401	0290809773	9	100							-063	002
0402	0290809773	9	200	14	19	23	300			0953180	003
0403	0290809773	9	300	10	04	04	300			-1383229	004
0404	0290809773	9	450	19	09	13	300			3343290	005
0405	0290809773	9	600	19	16	16	304			2343286	006
0406	0290809773	9	750	08	31	18	303			1683292	007
0407	0290809773	9	1000	24	16	22	310			0163301	008
0408	0290809771	107135	N15329	W7708101528+09	51	188	98	190			
0409	0290809773	10	00	19	29	21	349			1242945	001
0410	0290809773	10	100	14	48	27	349			1202958	002
0411	0290809773	10	200	59		56	352			3903195	003
0412	0290809773	10	250	50		50	352			5193224	004
0413	0290809773	10	300	76	05	46	355			5063233	005
0414	0290809773	10	350	62	02	46	355			4813248	006
0415	0290809773	10	400	43	03	36	400			5023258	007
0416	0290809773	10	450	19	11	26	400			3393262	008
0417	0290809771	117118	N15243	W7708111735+09	55	422	140	382			
0418	0290809773	11	00	212	03	74	400			1392939	001
0419	0290809773	11	100	83	125	85	400			1352941	002
0420	0290809773	11	150	185	04	137	402			1332945	003
0421	0290809773	11	200	12	01	226	402			0773068	004
0422	0290809773	11	250	135	05	82	408			0833199	005
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0424	0290809773	11	450	18	16	08	410			2573277	007
0425	0290809773	11	500	70	24	34	410			1153278	008
0426	0290809771	127110	N15130	W7708121955+09	24	604	42	346			
0501	0290809773	12	00	242	28	189	400			-0712880	001
0502	0290809773	12	50	375	01	175	400			-0812935	002
0503	0290809773	12	100	440	09	265	402			-1233118	003
0504	0290809773	12	150	170	36	103	402			-1303284	004
0505	0290809773	12	200	202	47	107	406			-1283287	005
0506	0290809771	137105	N15023	W7708131458+09	29	285	50	202			
0507	0290809773	13	00	178	25	99	400			-1003029	001
0508	0290809773	13	50	185	24	120	400			-1063035	002
0509	0290809773	13	100	177	20	137	407			-1033031	003
0510	0290809773	13	150	55	10	56	407			-1483267	004
0511	0290809773	13	200	42	26	28	410			-1293281	005
0512	0290809773	13	250	45	16	29	410			-1403282	006
0513	0290809771	147110	N15004	W7708141835+09	45	473	51	413			
0514	0290809773	14	00	166	39	122	400			-0853095	001
0515	0290809773	14	50	312	14	183	400			-1003132	002
0516	0290809773	14	100	215		321	404			-0973171	003
0517	0290809773	14	150	199		178	404			-1133196	004
0518	0290809773	14	200	61	10	41	407			-1453224	005
0519	0290809773	14	250	16	16	11	407			-1493233	006
0520	0290809773	14	300	21	06	07	412			-1493254	007
0521	0290809773	14	400	28	10	20	412			-1533286	008
0522	0290809771	157038	N14828	W7708161815+09	21	600	122	512			
0523	0290809773	15	00	259	134	296	340			0053125	001
0524	0290809773	15	30	350	11	321	340			-0693180	002
0525	0290809773	15	60	414		412	413			-0743183	003
0526	0290809773	15	90	529		381	413			-0943190	004
0601	0290809773	15	120	212	114	257	418			-0843213	005
0602	0290809773	15	150	229	176	151	418			-1233213	006
0603	0290809773	15	180	271		143	424			-1243213	007
0604	0290809771	167042	N14759	W7708170502+09	31	810	32				
0605	0290809773	16	00	349	16					0193103	001
0606	0290809773	16	50	999						-0473197	002
0607	0290809773	16	100	117	13					-0983231	003
0608	0290809773	16	150	119	16					-1123242	004
0609	0290809773	16	200	141	11					-0983247	005
0610	0290809773	16	250	138	02					-1213246	006
0611	0290809771	16A7040	N14748	W7708171727+09	321005	64					
0612	0290809773	16A	00	340	35					-0393044	001
0613	0290809773	16A	50	777	08					-0433218	002
0614	0290809773	16A	100	319	50					-0653239	003
0615	0290809773	16A	150	244	08					-1023241	004
0616	0290809773	16A	200	183	35					-1093243	005
0617	0290809773	16A	250	225	02					-1123242	006
0618	0290809773	16A	300	183	15					-1173242	007

0619	0290809771	177033	N14724	W7708181415+09	281621	51	1460	4	
0620	0290809773	17	00	726	18	413	400	-0153148	001
0621	0290809773	17	30	874		394	400	-0163151	002
0622	0290809773	17	60	726		582	405	-0283155	003
0623	0290809773	17	90	632	41	499	405	-0473161	004
0624	0290809773	17	120	612	122	708	407	-0503165	005
0625	0290809773	17	150	752		735	407	-0643185	006
0626	0290809773	17	200	466		642	412	-0783198	007
0701	0290809773	17	250	500		512	412	-0973209	008
0702	0290809771	187025	N14641	W7708182012+09	31	987	277	656	
0703	0290809773	18	00	296	39	219	400	0903206	001
0704	0290809773	18	30	427	68	206	400	0863206	002
0705	0290809773	18	60	245	55	218	403	0883206	003
0706	0290809773	18	90	391	113	254	403	0823206	004
0707	0290809773	18	120	306	51	257	408	0903206	005
0708	0290809773	18	150	270	85	185	408	1023206	006
0709	0290809773	18	200	469	20	365	411	-0723238	007
0710	0290809773	18	250	757	564	345	411	-0743240	008
0711	0290809771	197232	N14630	W7708191945+09	3658	250	425	30	
0712	0290809773	19	00	14	13			-0972666	001
0713	0290809773	19	100	05	05			-0942810	002
0714	0290809773	19	200	07	05			-1243098	003
0715	0290809773	19	300	10	07			-1453163	004
0716	0290809773	19	450	05	32			-1333191	005
0717	0290809773	19	600	06	11			-0793224	006
0718	0290809773	19	750	05	05			-1423252	007
0719	0290809773	19	1000	02	04			-1503283	008
0720	0290809773	19	2000	02	03			-0773427	009
0721	0290809773	19	4000	02	02			0473488	010
0722	0290809773	19	5000	02	04			0453490	011
0723	0290809773	19	6000	04	04			-0293491	012
0724	0290809773	19	7000		09			-0233491	013
0725	0290809773	19	8000	01	02			0033492	014
0726	0290809773	19	9000	02	03			-0043492	015
0801	0290809773	1910000	01	01				-0153493	016
0802	0290809771	207246	N14623	W7708212027+09	3568	65	51	42	
0803	0290809773	20	00	08	02			1350502	001
0804	0290809773	20	100	04	01			-0852976	002
0805	0290809773	20	200	04	02			-1193071	003
0806	0290809773	20	300	06	04			-1433145	004
0807	0290809773	20	450	15	08			-1353174	005
0808	0290809773	20	600	08	11			-1483210	006
0809	0290809773	20	750	05	05			-1443240	007
0810	0290809773	20	1000	01	03			-1473276	008
0811	0290809771	217247	N14634	W7708221515+09	3566	66	51	14	
0812	0290809773	21	00	11	05			1412442	001
0813	0290809773	21	100	10	06			2152630	002
0814	0290809773	21	200	05	03			-1143060	003
0815	0290809773	21	300	08	03			-1423154	004
0816	0290809773	21	450	10	10			-1503188	005
0817	0290809773	21	600	09	06			-1443218	006
0818	0290809773	21	750	03	04			-1423237	007
0819	0290809773	21	1000	01	03			-1503281	008
0820	0290809771	227257	N14330	W7708231456+09	3292	64	49	21	
0821	0290809773	22	00	23	11			2131772	001
0822	0290809773	22	100	06	04			-0482701	002
0823	0290809773	22	200	08	03			-0873093	003
0824	0290809773	22	300	07	03			-1263182	004
0825	0290809773	22	450	09	05			-1173182	005
0826	0290809773	22	600	05	10			-1483217	006
0901	0290809773	22	750	03	04			-1473242	007
0902	0290809773	22	1000	02	02			-1453278	008
0903	0290809771	237254	N14208	W7708232300+09	3531	45	63	21	
0904	0290809773	23	00	17	13			3342122	001
0905	0290809773	23	100	06	01			1162920	002
0906	0290809773	23	200	05	07			-0653117	003
0907	0290809773	23	350	05	06			-1453171	004
0908	0290809773	23	500	04	09			-1593195	005
0909	0290809773	23	750	03	06			-1593243	006
0910	0290809773	23	1000	01	04			-1463276	007
0911	0290809773	2334000						-0283498	008
0912	0290809771	247042	N14128	W7708251425+09	1189	345	103	12	
0913	0290809773	24	00	09	06			2593050	001
0914	0290809773	24	100	07	08			2393054	002

0915	0290809773	24	200	21	08					-1103165	003
0916	0290809773	24	300	148	09					-1493192	004
0917	0290809773	24	450	54	25					-1593218	005
0918	0290809773	24	600	11	10					-1563243	006
0919	0290809773	24	750	12	07					-1513263	007
0920	0290809773	24	1000	05	05					-1503295	008
0921	0290809771	257032	N14132	W7708252240+09	4061546	326				20	
0922	0290809773	25	00	25	07					2023092	001
0923	0290809773	25	100	50						-0143144	002
0924	0290809773	25	200	574	120					-0733196	003
0925	0290809773	25	300	242	23					-1043215	004
0926	0290809773	25	450	134	11					-0853240	005
1001	0290809773	25	600	94	19					-1433272	006
1002	0290809773	25	750	80	21					-1483281	007
1003	0290809773	25	1000	84	19					-1493286	008
1004	0290809771	266949	N14131	W7708261423+09	282406	10	1695			4	
1005	0290809773	26	001040	820	354					2383252	001
1006	0290809773	26	30	872	972	354				2363253	002
1007	0290809773	26	601359	1035	402					2413252	003
1008	0290809773	26	901040	856	402					2373253	004
1009	0290809773	26	1201884	830	407					2333252	005
1010	0290809773	26	1501276	859	407					2363253	006
1011	0290809773	26	200	309	06	171	413			0363276	007
1012	0290809773	26	250	155	36	140	413			-0183279	008
1013	0290809771	277004	N14214	W7708262325+09	351923	134	650			4	
1014	0290809773	27	00	506	21	266	335			1273234	001
1015	0290809773	27	30	608		198	335			1233234	002
1016	0290809773	27	60	459		293	338			1263234	003
1017	0290809773	27	90	582		217	338			1203234	004
1018	0290809773	27	120	700		253	348			1193234	005
1019	0290809773	27	150	462		186	348			1213234	006
1020	0290809773	27	200	684		218	349			0203245	007
1021	0290809773	27	300	890	68	204	349			-0333250	008
1022	0290809771	287019	N14232	W7708271445+09	491243	239				13	
1023	0290809773	28	00	57	03					1473122	001
1024	0290809773	28	50	44	05					1453121	002
1025	0290809773	28	100	41						1473121	003
1026	0290809773	28	150	158	25					0933209	004
1101	0290809773	28	200	493						0553235	005
1102	0290809773	28	250	209							
1103	0290809773	28	300	424	34					-1083256	007
1104	0290809773	28	450	443	203					-1203259	008
1105	0290809771	297021	N14329	W7708281312+09	381501	359	737				
1106	0290809773	29	00	76	10	25	328			1473171	001
1107	0290809773	29	50	74		25	328			1453176	002
1108	0290809773	29	100	126	01	56	333			1383203	003
1109	0290809773	29	150	144		53	333			1613216	004
1110	0290809773	29	200	239	06	105	336			1153219	005
1111	0290809773	29	2501103	221	517	336				-0643246	006
1112	0290809773	29	3001040	364	452	340				-0613246	007
1113	0290809773	29	350	477	224	458	340			-0623246	008
1114	0290809771	307014	N14428	W7708281815+09	28	628	154	382		11	
1115	0290809773	30	00	32	23	19	357			1373213	001
1116	0290809773	30	30	30	20	36	357			1363213	002
1117	0290809773	30	60	37	23	17	401			1423214	003
1118	0290809773	30	90	48	05	25	401			1363214	004
1119	0290809773	30	120	30	16	22	405			1333221	005
1120	0290809773	30	150	29	19	18	405			1353214	006
1121	0290809773	30	200	482	175	486	409			-0763237	007
1122	0290809773	30	2501308	147	394	409				-0803238	008
1123	0290809771	317010	N14532	W7708291535+09	20	75	38	85		5	
1124	0290809773	31	00	64	17	31	356			1043139	001
1125	0290809773	31	30	45	23	26	356			1073139	002
1126	0290809773	31	60	51	13	28	359			1093142	003
1201	0290809773	31	90	46	15	144	359			1093152	004
1202	0290809773	31	120	29	22	25	404			1073161	005
1203	0290809773	31	150	30	30	25	404			1303168	006
1204	0290809773	31	180	35	31	37	411			1363171	007
1205	0290809771	327039	N14534	W7708300040+09	511468	195				10	
1206	0290809773	32	00	10	06					2082962	001
1207	0290809773	32	50	06	09					2082962	002
1208	0290809773	32	100	11	03					2082965	003
1209	0290809773	32	150	21	01					1283167	004
1210	0290809773	32	200	26	13					0563189	005

1211	0290809773	32	250	574					-0843214	006
1212	0290809773	32	300	831					-0833229	007
1213	0290809773	32	450	420	134				-1453259	008
1214	0290809771	337023	N14626	W7708302305+09	28	749	147			
1215	0290809773	33	00	96	01				-0202982	001
1216	0290809773	33	30	102	00				0123024	002
1217	0290809773	33	60	81	34				0123086	003
1218	0290809773	33	90	153	38				-0073140	004
1219	0290809773	33	150	306	133				-0463155	006
1220	0290809773	33	200	517	55				-0693163	007
1221	0290809773	33	250	734	119				-0733164	008
1222	0290809771	347146	N14702	W7708311940+09	54	133	50		24	
1223	0290809773	33	120	230	31				-0213140	005
1224	0290809773	34	00	36	08				1042802	001
1225	0290809773	34	50	17	05				1752899	002
1226	0290809773	34	100	20	03				0702990	003
1301	0290809773	34	150	17	05				0592991	004
1302	0290809773	34	200	29	03				0193054	005
1303	0290809773	34	250	23	06				-1083136	006
1304	0290809773	34	300	30	02				-1193155	007
1305	0290809773	34	450	55	46				0123224	008
1306	0290809771	357032	N14735	N7709010240+09	18	233	57		5	
1307	0290809773	35	00	81	17				0552989	001
1308	0290809773	35	30	49	05				0753000	002
1309	0290809773	35	60	131	40				0533017	003
1310	0290809773	35	90	159	24				0273023	004
1311	0290809773	35	120	235	61				0153067	005
1312	0290809773	35	150	325	103				0043099	006
1313	0290809771	367036	N14826	W7709011145+09	22	253	33	114		
1314	0290809773	36	00	60	04				15 352	
1315	0290809773	36	30	78					0662878	001
1316	0290809773	36	60	40	03				1172887	002
1317	0290809773	36	90	61	02				0902891	003
1318	0290809773	36	120	72	22				0403007	004
1319	0290809773	36	150	398	17				0213081	005
1320	0290809773	36	180	328	122				173 353	
1321	0290809771	377045	N14903	W7709021800+09	27	302	48		-0263122	006
1322	0290809773	37	00	17	42				-0273122	007
1323	0290809773	37	30	48	06				11	
1324	0290809773	37	60	21	19				0672845	001
1325	0290809773	37	90	33	18				0362878	002
1326	0290809773	37	120	40	14				-0132979	003
1401	0290809773	37	150	129	14				-0132979	003
1402	0290809773	37	180	1454	138				-0153004	004
1403	0290809771	387158	N15543	W7709040645+09	150	111	180		-0503047	005
1404	0290809773	38	00	21	29				-1063129	006
1405	0290809773	38	100	21	14				-1433183	007
1406	0290809773	38	200	16	24				5962917	001
1407	0290809773	38	300	04	11				6212923	002
1408	0290809773	38	400	05	08				-1163170	003
1409	0290809773	38	500	02	23				-1383193	004
1410	0290809773	38	750	09	17				-1403210	005
1411	0290809773	38	1000	23	21				-1103227	006
1412	0290809771	397130	N15513	W7709041915+09	26	152	51		-1063268	007
1413	0290809773	39	00	73	30				-1463298	008
1414	0290809773	39	30	76	27				9	
1415	0290809773	39	60	102	15				7972862	001
1416	0290809773	39	90	73	23				8072863	002
1417	0290809773	39	120	58	32				8472898	003
1418	0290809773	39	150	75	26				8542897	004
1419	0290809773	39	180	52	23				8372903	005
1420	0290809773	39	210	69	21				8422915	006
1421	0290809771	407130	N15513	W7709042120+09	26	186	52		8352921	007
1422	0290809773	40	00	118	20				7832937	008
1423	0290809773	40	30	117	29				6	
1424	0290809773	40	60	111	16				8572903	001
1425	0290809773	40	90	86	28				8582913	002
1426	0290809773	40	120	64	28				8592902	003
1501	0290809773	40	150	85	21				8572902	004
1502	0290809773	40	180	62	31				8502904	005
1503	0290809773	40	210	73	24				8482913	006
1504	0290809771	417132	N15630	W7709050455+09	160	255	214		8502918	007
1505	0290809773	41	00	19	13				8512921	008
1506	0290809773	41	100	35	18				9	
									3562767	001
									4393126	002

1507	0290809773	41	200	15	30
1508	0290809773	41	300	28	20
1509	0290809773	41	400	25	15
1510	0290809773	41	500	10	35
1511	0290809773	41	750	30	16
1512	0290809773	41	1000	40	19

3013152	003
1223198	004
0833206	005
0633210	006
0513213	007
-0163228	008

4211 N.E. 88th St.
Seattle, WA. 98115
11 June 1979

Mr. Jim Audet
NODC OCSEAP Data Coordinator
National Oceanographic Data Center
Washington, D. C. 20235

JUN 11 REC'D

Dear Jim:

With regard to your letter D781/JJA dated 4 June 1979, I have checked the flagged values for file type 029, file ID 080977, and found them to be correct.

Sincerely,


Rita A. Horner

79-0075
TR 3889

*Elaine - No action on this - we decided
to final this data set*



OCSEAP

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
~~XXXXXXXXXXXXXXXXXXXX~~
National Oceanographic Data Center
Washington, D.C. 20235

D781/JJA

June 4, 1979

Ms. Rita Horner
4211 NE 88th Street
Seattle, WA 98115

Dear Rita:

I am enclosing the check run results for file type 029, file ID: 080977 (NODC track 3889). Several values have been flagged as above or below expected ranges for some parameters. However, it was noted that all sample and secchi depth values agree with those in your 31 March 1978 annual report. The other values also appear to be valid although slightly higher or lower than expected. The station number error message is the result of a station 33 record out of sequence and we have corrected this.

Since these are the only 'errors' noted, we will continue to final process this data set unless otherwise notified.

Thank you for your cooperation and care in preparing this data submission. A fine job.

Sincerely,



Jim Audet
NODC OCSEAP Data Coordinator

Enclosure

cc: W. Fischer
T. Johnson
E. Collins



TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0075

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	ANDY33	NL	80	4000	FB	
DUPLICATE	012033	NL	80	4800	FB	
REFORMATTED						
CORRECTED FIRST USER	000865	SL	80	4000	FB	DSN= TR3889
BKUP FINAL USER	000139	SL	80	4000	FB	DSN= TR3889

DATE: 2/9/79

TO: .

FROM: 0781

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0075

- 1) File Type: 029
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: TR3889

I. Error Corrections as reported to Principal Investigator:

ErrorCorrection Completed (Check)

II. Additional error corrections:

ErrorCorrection Completed (Check)

III. Processor Name: _____

Corrections

79-0075

a record '3' seq # 005, station 33. located
in station 34 of original data. This record was
inserted into station 33 in its proper sequence.
And deleted from station 34.

Record '1' station 35 7032 N 14735 N
corrected to 7032 N 14735. W.

Data Set Route Sheet

Accession # 79-0075

Step	Completion Date/Init.	Tape #, # of Files	BLKSIZE	LRECL
Originator Tape #	1/29/79 <i>JD</i>	ANDY 33	1	4000 80
<i>QUADI</i> Duplicate Tape #	1/30/79 <i>JD</i>	012033	1	4800 80
DDF Evaluation				
Quality Review				
Preliminary Data Sort				
Preliminary Check				
First User Tape #				
Final User Tape #				
Final Check				
10. NAPLS Inventory				
11. DIP Inventory				
12. Data Set 'Finalized'				

File type	029	177
SDF1	002158	
SDF2	020081	
ANSI	020075	
IR	154-183, 270, 448, 506-510, 514, 579, 878-880, 947, 948, 950-1049, 1054, 1055, 1310, 1325-1330, 1549, 1683-1688, 1750, 1751, 2039, 2040, 2665, 3097-3099, 3646-3650, 3839, <u>3889</u> , 6454, 6455	192, 261

Accession No: 79-0075

ID: Ocseap

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
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7900075	F029	TR3889	0081	3109	31GL	1977/08/01	080977	308967

(1 row affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
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7900075	F029	TR3889	31GL	42	376	77/08/01	77/09/07

(1 row affected)