

DDF-A: 2:08

DATA DOCUMENTATION FORM

TR 2867-2868

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20535

F069

FORM APPROVED
O.M.B. No. 41-R26
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			
University of Washington Dept. of Oceanography Seattle, WA 98105			
2. EXPLORATION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
DOMES		RP-08-0C-75 LEGS 192 (D01HYD } Cruise NOS (D22-HYD }	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
NOAA Ship Oceanographer	Ship	U.S.A. U.S.A.	
		7. DATES	
		PLATFORM OPERATOR FROM: MO, DAY, YR TO: MO, DAY, YR	
		U.S.A. U.S.A. 8/21/75 10/16/75	
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 type="checkbox"/> NO <input 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 ITEM-1)			
R. JAMES ANDERSON (206) 543-4546			

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
SALINITY	0/00	INDUCTION SALINOMETER (BECKMAN)	INDUCTION SALINOMETER N/A (BECKMAN)	N/A
DISSOLVED O ₂ AOU	mg-AT/l mg-AT/l		(CARPENTER 1965)	
POC PON	mg/l	HEWLETT-PACKARD 18513 CHN ANALYZER	HIGH TEMP. COMBUSTION (HEWLETT-PACKARD) 18513 CHN ANAL.	
DOC	mg C/l	OIC TOTAL CARBON ANALYZER	PERSULFATE OXIDATION PROCEDURE OF FREDERICKS & SACKETT 1970	
ATP			MODIFIED VERSION OF THE HOLM-HANSEN & BOOTH 1966	
ETS			PACKARD 1971	
O ₂ NO ₃ NO ₂ NH ₄ PO ₄ SiO ₄	mg-AT/l	AUTOANALYZER	ARMSTRONG, STEARNS, & STRICKLAND 1967	

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

File Header - "1" in byte 10
 Station Header - "2" in byte 10
 Data I - "3" in byte 10
 Data II - "4" in byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

two files on this tape - file 1 contains 111 blocks and has
 File I.D. DO1HYD. file 2 contains 119 blocks and has
 file I.D. DO2HYD.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
 NAME AND PHONE NUMBER Ann Westhagen (206) 543-1093
 ADDRESS U of Wash, Dept. of Ocean, Computer Services (WR-10)
Seattle, WA 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" 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 checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</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><u>DOMES Chemistry Data</u></p> <p><u>Jin Anderson RP-08-0C-75 legs 142</u></p> <p><u>FT 069 BCD 556BPI 7 track</u></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input checked="" 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><u>800</u></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><u>6</u></p>

Vol. = 08135 (QUAD)

Vol. Ser = DOME 1 (orig); Vol. Ser = 06903 (o/c)

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

USER TAPE

[Empty box for record types and identification methods]

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for file organization description]

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER *D 752 - NOAA/EDIS/NODC - 202-6347505*
 ADDRESS *WASHINGTON, DC. 202135*

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><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 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><i>000 000 316 (SL)</i></p> <p><i>DSN = TR 2867</i></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><i>4800</i></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><i>80</i></p>

RECORD FORMAT DESCRIPTION

RECORD NAME FILE HEADER

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	I 3	ALWAYS "069"
FILE I.D.	4	6	"	A 6	UNIQUE CRUISE NUMBER OR DATE
RECORD TYPE	10	1	"	I 1	ALWAYS "1"
VESSEL	11	11	"	A 11	ENTER VESSEL NAME
CRUISE I.D.	22	6	"	A 6	ENTER CRUISE NAME OR NUMBER
CRUISE DATES					
START MONTH	28	2	"	I 2	MM
SLASH	30	1	"	A 1	ENTER SLASH
START DAY	31	2	"	I 2	DD
SLASH	33	1	"	A 1	ENTER SLASH
START YEAR	34	2	"	I 2	YY
DASH	36	1	"	A 1	ENTER DASH
END MONTH	37	2	"	I 2	MM
SLASH	39	1	"	A 1	ENTER SLASH
END DAY	40	2	"	I 2	DD
SLASH	42	1	"	A 1	ENTER SLASH
END YEAR	43	2	"	I 2	YY
INVESTIGATOR	45	19	"	A 19	ENTER INVESTIGATORS NAME
INSTITUTION	64	17	"	A 17	ENTER NAME OF INSTITUTION

RECORD FORMAT DESCRIPTION

RECORD NAME STATION HEADER

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	I 3	ALWAYS "069"
FILE I.D.	4	6	"	A 6	UNIQUE CRUISE NUMBER OR DATE
RECORD TYPE	10	1	"	I 1	ALWAYS "2"
SEQUENCE NUMBER	11	3	"	I 3	
CAST NUMBER	14	3	"	I 3	ENTER CAST NUMBER
CASTS	17	6	"	I 6	ENTER NUMBER OF CASTS
<u>LATITUDE</u>					
DEGREES	23	2	"	I 2	
MINUTES	25	2	"	I 2	
MINUTES TO 1/10	27	1	"	I 1	
HEMISPHERE	28	1	"	A 1	"N" OR "S"
<u>LONGITUDE</u>					
DEGREES	29	3	"	I 3	
MINUTES	32	2	"	I 2	
TENTHS OF MINUTES	34	1	"	I 1	
HEMISPHERE	35	1	"	A 1	"E" OR "W"
<u>DATE</u>					
YEAR	36	2	"	I 2	
MONTH	38	2	"	I 2	
DAY	40	2	"	I 2	
<u>TIME</u>					
HOUR TO 1/10	42	3	"	I 3	ALL TIMES ARE GMT

RECORD FORMAT DESCRIPTION

RECORD NAME DATA I

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	I3	ALWAYS "069"
FILE I.D.	4	6	"	A6	UNIQUE CRUISE NUMBER OR DATE
RECORD TYPE	10	1	"	I1	ALWAYS "3"
SEQUENCE NUMBER	11	3	"	I3	
CAST NUMBER	14	3	"	I3	ENTER CAST NUMBER
DEPTH	17	4	"	I4	WHOLE METERS
TEMPERATURE	21	4	"	I4	DEGREES C TO 1/100
SALINITY	25	4	"	I4	‰ TO 1/100
DENSITY	29	5	"	I5	σ _t .. TO 1/100
OXYGEN	34	5	"	I5	μg-ATOM/LITER TO 1/100
NITRATE	39	4	"	I4	μg-ATOM/LITER TO 1/100
NITRITE	43	4	"	I4	μg-ATOM/LITER TO 1/100
AMMONIA	47	5	"	I5	μg-ATOM/LITER TO 1/100
PHOSPHATE	52	4	"	I4	μg-ATOM/LITER TO 1/100
SILICATE	56	5	"	I5	μg-ATOM/LITER TO 1/100
RELATIVE CHLOROPHYLL FLUORESCENCE	61	4	"	I4	TO 1/100
DISSOLVED ORGANIC CARBON	65	4	"	I4	μg-CARBON/LITER TO 1/100
PARTICULATE ORGANIC CARBON	69	4	"	I4	μg/LITER TO 1/100
PARTICULATE NITROGEN	73	4	"	I4	μg/LITER TO 1/100
BLANK	77	4	"	4X	

RECORD NAME

DATA II

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	I3	ALWAYS "069"
FILE I. D.	4	6	"	A6	UNIQUE CRUISE NUMBER OR DATE
RECORD TYPE	10	1	"	I1	ALWAYS "4"
SEQUENCE NUMBER	11	3	"	I3	
CAST NUMBER	14	3	"	I3	ENTER CAST NUMBER
DEPTH	17	4	"	I4	WHOLE METERS
✓ APPARENT O ₂ UTILIZATION	21	5	"	I5	Mg-ATOM/LITER TO 1/1000
✓ PERCENT O ₂ SATURATION	26	3	"	I3	IN PERCENT
ELECTRON TRANSPORT SYSTEM	29	5	"	I5	μL-O ₂ /LITER/HR. TO 1/10,000
✓ ADENOSIN TRIPHOSPHATE	34	5	"	I5	NANOGRAM/LITER TO 1/100
NANNOPLANKTON CARBON UPTAKE	39	5	"	I5	Mg C/M ³ /HR. TO 1/10000
✓ TOTAL PHAEOPHYTON	44	5	"	I5	Mg/M ³ TO 1/10000
NANNOPLANKTON CHLOROPHYLL	49	5	"	I5	Mg/M ³ TO 1/10000
NANNOPLANKTON PHAEOPHYTON	54	5	"	I5	Mg/M ³ TO 1/10000
TOTAL CARBON UPTAKE	59	5	"	I5	MgC/M ³ /DAY TO 1/10000
TOTAL PHAEOPHYTON CHLOROPHYLL	64	5	"	I5	Mg/M ³ TO 1/10000
PHAEOPHYTON CHLOROPHYLL	69	5	"	I5	μg/l TO 1/100
PHAEOPHYTON FLUORESCENCE	74	7	"	I7	KILOHERTZ TO 1/100

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UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE

National Oceanographic Data Center Liaison Office
Pacific Marine Environmental Laboratory
NOAA Bldg 264 (tower)
7600 Sand Point Way N.E.
Seattle, Wa. 98115

Date : March 8, 1978
To : Dr. James B. Ridlon, MESA Data Coordinator
From : Dean H. Dale, NODC Liaison Office, Seattle
Subject : Data Submission

Enclosed (certified 523023) find the following magnetic
tapes and documentation:

* 1. DOMES Chemistry data (discrete sampling) from RP-8-OC-75
legs 1&2, Dr. James Anderson. *

2. MESA/PSERP FT 100 data, Huxley College 6/30/77 to 7/26/77.

3. AIDJEX tape 342 - profiling current meter data from
4 main camps of AIDJEX 10 April 1975 to 20 April 1976.

Realizing that the AIDJEX data is not part of the MESA
Program, would you please see that it is properly archived
also ? Thanks.

Enclosures



Corrections — 9/25/78

Access # 78-0203 - file type -069

~~1/~~ 1. Data placed on disk
a). -99, -999 removed
b. to 069 change to 069
so that data begins on
byte one.

2. Data contains a number
of blank records because of
the deletions of -99, and -999
values.

3. Tape 6903 is ready for Quade

4. % O₂ SAT. values exceeding
100 deleted

5. Ten

18-0223

Record Type 3

1. Columns 21-24

Temperature values appeared to
~~be~~ too low for date/time position.

a) Checked against Salinity, and Sigma t
values showed that temperature had
been ~~not~~ recorded in the wrong
columns to tenths instead of hundredths.

a) Enter temperature field moved
to the left by one column.

2. Density (Columns 29-33) -

Density was shifted so that the
density read 2.653 instead of
26.53. ~~Part~~ ~~of~~ field shifted
to correct data.

Record type 1

1. Illegal ^{blank} latitude and longitude
(minutes)

a) zeros (00) added to fill minutes
field.

2. Illegal blank field - hour -
when hour was blank and tenths
of hour were recorded, 0 was added
to fill hour field.

3. Illegal blank field - (hour + minute)
when this occurred, observation
was deleted. Observations
deleted were ^{TR 2858} 4, 8, 9, 14, 22, 25, 38, 39, 57

4. Latitude + longitude missing
TR 2867 - case # 37.

Phil:

3/20/78

Via telecom with Dean Dale, all fields containing -99 and -999 are to be blanked. Apparently, this was (for some unknown reason) used to indicate "no data" for the particular field.

After corrections, please return to me for the QUADI.

Thank you.

J.B. Ridlon

D01 HYD — TR 2867

D02 HYD — TR 2865

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7800203	F069	TR2867	0080	3109	310C	1975/08/21	RP08-L1	306675
7800203	F069	TR2868	0080	3109	310C	1976/02/18	RP08-L2	306676

(2 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7800203	F069	TR2867	310C	43	1038	75/08/21	75/10/16
7800203	F069	TR2868	310C	66	1181	76/02/18	76/04/14

(2 rows affected)