DDF-B:1:25

ACCESSION NUMBER 80-0344

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 20852

FORM 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.

319235

TR5917

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

DATA MANAGEMENT
INSTITUTE OF MARINE SCIENCE
UNIVERSITY OF ALASKA
FAIRBANKS, ALASKA 99701

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

PROBES/SES

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

ACONA 287

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO,DAY,YR	TO: MO,DAY,YR
R/V ACONA	SHIP	USA	USA	09/19/79	09/27/79

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___

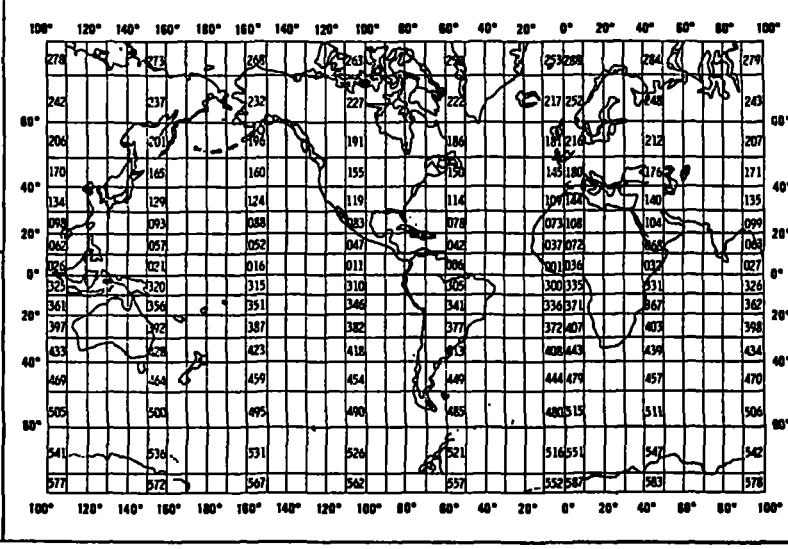
11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

[ ] NO [X] YES [ ] PART *(SPECIFY BELOW)*



10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

DATA MANAGEMENT, IMS
CYDNEY HANSEN
(907) 479-7836 (907) 479-7074

1. 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	0.001°/oo	NANSEN BOTTLES & PLESSEY STD	DESCRIPTION OF BASIC PROCESSING ATTACHED	N/A
TEMPERATURE	°C	DSR THERMOMETERS & PLESSEY STD	"	N/A
DEPTH	0.1m (1m = 1 db)	THERMOMETRIC DEPTH & PLESSEY STD	"	N/A

IMS STD/CTD DATA REDUCTION

NOVEMBER 1979

STDCP

Raw, 7 or 9-track magnetic tapes from 8400 or 8114 Plessey Digitizers are input along with conversion equations specific for each sensor. These equations reflect the latest calibration or factory compliance data. If the FISH contains a conductivity sensor, it is converted to salinity by a relation based on the work of A.S. Bennett (DSR, Vol. 23, No. 2, February 1976).

Output of this program is on 9-track tape and includes entered header data and all STD values on the 7-track tape. Output from this program is input for STDAV.

STDCP PRINT OUT

1) Print out the "FISH" serial number and the equations used to convert frequency to parameters for each FISH used.
2) If conductivity ratios are converted to salinities at this point, the conversion routines are printed out.
3) Input from 7 or 9-track and output to 9-track is documented. (This includes all headers, end of files, and record number indicators).

CALVAL

Periods from a frequency counter, taken at the time discrete samples were taken, is input along with raw temperature and conductivity data from the discrete samples. Each set of such data constitute one field correction.

All of the field corrections are listed along with mean values for standard deviations for temperature and salinity. Generally, values for temperature and salinity are rejected if they fall beyond two standard deviations from the mean.

Subjective judgments as to the quality of the field correction data is made at this time.

Output from this program provides input for STDAV.

LES STD/CTD DATA REDUCTION

NOVEMBER 1979

STDAV

Data from STDCP and CALVAL are input with header information which includes individual station position, time and weather.

STDAV checks each parameter to insure it falls within sensor limits. Parameters are grouped into one meter intervals (1 m = 1 db) and averaged. Field corrections are added to the one meter averages. (NOTE: depths, and their related data values, are accepted for inclusion in averaging, if and only if, depth N is greater than or equal to depth N + 1).

STDAV PRINT OUT

STDAV print out will include the following in addition to header and data:

1) All header information and corrected data in one meter intervals.
2) Field corrections used, to include mean and standard deviation for each parameter.
3) Flags indicating interpolated (*) and/or extrapolated (E) data are printed with associated data values.
4) Pertinent comments are solicited from the responsible principle investigator and attached to the final print out.

STDAV OUTPUT TAPE

A tape with one meter averages for Depth, Salinity, Temperature, Sigma-T, and Delta-D/per station is generated for data storage and further analysis.

NODC-F

This program is used to convert the output tape from STDAV (LES STD final format) to an NODC formatted tape for submission to NODC to fulfill contractual obligations.

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

THREE RECORD TYPES WITHIN FILE TYPE 22

Designated by byte 10:

"1" for Text Record
"2" for Master Record
"3" for Detail Record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File 22, STD/CTD: 0 to 99,999 Text records, followed by

1 Master record, Followed by

0 to 99,999 Detail records

Repeats

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Cydney Hansen, (907)479-7836

ADDRESS Institute of Marine Science, Univ. of Alaska, Fairbanks, Alaska 99701

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
☒ .5 inch - 0.6 inch

10. END OF FILE MARK
☐ OCTAL 17
☒ octal 23

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

022 287IMS
ACONA 287
09/19/79 - 09/27/79
Stations: 01-02,04-06.
Dr. Goering
9trk, 800BPI,EBCDIC,NO LABEL,ODD PARITY

12. PHYSICAL BLOCK LENGTH IN BYTES
5-120 bytes/block

13. LENGTH OF BYTES IN BITS
8 bits/byte

RECORD FORMAT DESCRIPTION

RECORD NAME STD RECORD FORMAT DESCRIPTION, FILE TYPE 22

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
FILE TYPE "22" AS DESIGNATED BY OCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE, EXCEPT: 1. Col.45-49 Depth in meters (I5 to 1/10ths) 2. Col.50-53 Salinity in 0/00 (I4 to 1/100ths)					

USCOMM-DC 44289-P72

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3331T  1  05/20/80      UTL2     REPORT   771101                    PAGE       1

FDEF OT,IBM,NLAB,NSER,EBCDIC,F120,CI600.
PROC REW OT. DUMP OT 15R.


******   3K ADDITIONAL CORE NEEDED  ******


FUNCTION REQUESTED: DUMP OT          15 RECORDS.
   FILE CODE   OT   FILE NUMBER   1

     FILE OT REWOUND

 CI   1      R          1   360362362362 370367311324 342361100100 100100361343 310305100311   022287IMS1    1THE I
             CC        21   325342343311 343344343305 100326306100 324301331311 325305100342   NSTITUTE OF MARINE S
             CC        41   303311305325 303305100311 342100331305 342327326325 342311302323   CIENCE IS RESPONSIBL
             CC        61   305100306326 331100343310 311342100304 301343301100 346310311303   E FOR THIS DATA WHIC
             CC        81   310100346301 342100303326 323323305303 343305304100 100100100100   H WAS COLLECTED
             CC       101   100100100100 100100100100 100100100100 100100100100 100100100361                    1

             R          2   360362362362 370367311324 342361100100 100100361301 302326301331   022287IMS1    1ABOAR
             CC        21   304100343310 305100301303 326325301100 302305343346 305305325100   D THE ACONA BETWEEN
             CC        41   360371140361 371140367371 100343326100 360371140362 367140367371   09-19-79 TO 09-27-79
             CC        61   100302350100 304331113100 307326305331 311325307100 100100100100    BY DR. GOERING
             CC        81   100100100100 100100100100 100100100100 100100100100 100100100100
             CC       101   100100100100 100100100100 100100100100 100100100100 100100100362                    2

             R          3   360362362362 370367311324 342361100100 100100361326 306100343310   022287IMS1    1OF TH
             CC        21   305100311325 342343311343 344343305100 326306100324 301331311325   E INSTITUTE OF MARIN
             CC        41   305100342303 311305325303 305113100100 100100100100 100100100100   E SCIENCE.
             CC        61   100100100100 100100100100 100100100100 100100100100 100100100100
             CC       101*  100100100100 100100100100 100100100100 100100100100 100100100363                    3

             R          4   360362362362 370367311324 342361100100 100100361342 343301343311   022287IMS1    1STATI
             CC        21   326325342100 346305331305 100360361140 360362153360 364140360366   ONS WERE 01-02,04-06
             CC        41   100115325326 100304301343 301100306326 331100342343 301343311326    (NO DATA FOR STATIO
             CC        61   325100363135 100324301322 311325307100 301100343326 343301323100   N 3) MAKING A TOTAL
             CC        81   326306100365 100342343301 343311326325 342113100100 100100100100   OF 5 STATIONS.
             CC       101   100100100100 100100100100 100100100100 100100100100 100100100364                    4

             R          5   360362362362 370367311324 342361100100 100100361342 343304100324   022287IMS1    1STD M
             CC        21   326304305323 100371360364 360153100342 305331311301 323100325344   ODEL 9040, SERIAL NU
             CC        41   324302305331 100365363364 361100346301 342100344342 305304113100   MBER 5341 WAS USED.
             CC        61   305330344301 343311326325 342100344342 305304100343 326100307305   EQUATIONS USED TO GE
             CC        81   325305331301 343305100100 100100100100 100100100100 100100100100   NERATE
             CC       101   100100100100 100100100100 100100100100 100100100100 100100100365                    5

 CI   2      R          6   360362362362 370367311324 342361100100 100100361327 301331301324   022287IMS1    1PARAM
             CC        21   305343305331 342100306331 326324100306 331305330344 305325303350   ETERS FROM FREQUENCY
             CC        41   100306326323 323326346140 100100100100 100100100100 100100100100    FOLLOW-
             CC        61   100100100100 100100100100 100100100100 100100100100 100100100100
             CC       101*  100100100100 100100100100 100100100100 100100100100 100100100366                    6
```

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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
PLESSEY STD MODEL 9040	2/79		NRCC	1 YEAR					
BISSETT BERMAN 6220	8/79		GRUNDY						

NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.

FORM APPROVED: OMB NO. 41-R2765 - EXPIRES : 12-31-79

NOAA FORM 24-23 (1-76)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE
NATIONAL OCEANOGRAPHIC DATA CENTER

A00 DATA CENTER

A40 REFERENCE NUMBER

OCEANOGRAPHY - GENERAL CRUISE INVENTORY
(ROSCOP - II)

A01 EXPEDITION/PROJECT: PROBES/SES

A11 CRUISE NUMBER OR NAME: Acona 287

A02 SHIP OR PLATFORM: R/V Acona

A12 PLATFORM TYPE: 01

A03 COUNTRY: USA

A04 ORGANIZATION: Institute of Marine Science
University of Alaska, Fairbanks

A05 CHIEF SCIENTIST(S): Dr. J. J. Goering

	YES	NO	PART
A91 Declared national program?			
A81 Exchange restricted?			
A92 Co-operative program?			A72 NAME
A82 Co-ordinated internationally?			A62 BY WHOM?

A06 NAME AND ADDRESSES OF ORGANIZATIONS AND PERSONS WHOM TO QUERY

	FINAL DISPOSITION OF DATA
A1 J. J. Goering University of Alaska	A2 University of Alaska
B1 D. W. Boisseau University of Alaska	B2 University of Alaska
C1 R. Sambrotto University of Alaska	C2 University of Alaska
D1	D2
E1	E2

DATE	DAY	MONTH	YEAR
A07 FROM	14	09	79
TO			

A08 GENERAL OCEAN AREAS: 55,58

A09 TYPE(S) OF MARINE ZONE(S): 02, 04

GEOGRAPHIC AREA
If all data were collected at a fixed station, fill in the co-ordinates

A10 LATITUDE ° ' '' N/S

A20 LONGITUDE ° ' '' E/W

A15 FEDERAL SUPPORT NSF76-23340

A25 REMARKS

DISCIPLINE AND TYPE OF MEASUREMENTS	Index 10° x 10° Qc	L	G	G	INDEX 1° x 1°	DISCIPLINE AND TYPE OF MEASUREMENTS	Index 10° x 10° Qc	L	G	G	INDEX 1° x 1°
A P, M, HC, B B	7	5	1	6	53°N 167°W	A B					
A B						A B					
A B						A B					
B						A B					
A B						A B					
A B						A B					
A B						A B					

G – GEOLOGY GEOPHYSICS

GL MEASUREMENTS MADE AT A SPECIFIC LOCATION	NUMBER	i	l	FORMAT
G01 Dredge				
G02 Grab				
G03 Core rock *(no. of cores)*				
G04 Core–soft bottom *(no. of cores)*				
G05 Sampling by divers				
G06 Sampling by submersible				
G07 Drilling				
G08 Bottom photography				
G09 Sea floor temperature *(≤ 1 m from bottom)*				
G10 Accoustical properties of the sea floor				
G11 Engineering properties of the sea floor				
G12 Magnetic properties of the sea floor				
G13 Gravimetric properties of the sea floor				
G14 Radioactivity measurements				
G70 Other measurements				

GU MEASUREMENTS UNDERWAY				
G21 Motion picture of sea floor *(No. of nautical miles)*				
G22 Bathymetry-wide beam *(no. of nautical miles)*				
G23 Bathymetry-narrow beam *(no. of nautical miles)*				
G24 Side scan sonor *(no. of nautical miles)*				
G25 Seismic reflection *(no. of nautical miles)*				
G26 Seismic refraction *(no. of nautical miles)*				
G27 Gravimetry				
G28 Magnetism				
G29 Other measurements				

G – GEOLOGY GEOPHYSICS *(Continued)*

GS TYPES OF STUDIES	NUMBER	i	l	FORMAT
G31 Physical analysis of sediments				
G32 Chemical analysis of sediments				
G33 Paleothermy				
G34 Paleomagnetism and rock magnetism				
G35 Paleontology				
G36 Geothermy				
G37 Geochronology				
G38 Mineral and fossil resources				
G39 Litteral zone studies				
G90 Other measurements				

D – DYNAMICS

D01 Current meters *(no. of stat.)*				
D02 Current meters *(Average duration of measurement days)*				
D03 Currents measured from ship drift				
D04 GEK				
D05 Drifters *(number)*				
D06 Swallow floats *(number)*				
D07 Drift cards *(no. released)*				
D08 Bottom drifters *(no. released)*				
D09 Tidal observation *(duration)*				
D10 Sea and swell *(no. of observations)*	6	A_1	A_2	1
D90 Other measurements				

M – METEOROLOGY

M01 Upper air observations				
M02 Incident radiation				
M03 Air–sea interface studies				
M04 Ice observations				
M05 Occasional standard measurements				
M06 Systematic standard measurements				
M90 Other measurements				

B – BIOLOGY

	NUMBER	i	l	FORMAT		NUMBER	i	l	FORMAT
B01 Primary productivity	2	A_1	A_2	1	B31 Vitamin concentrations				
B02 Phytoplankton pigments					B32 Amino acid concentration				
B03 Seston					B33 Hydrocarbon concentrations				
B04 Particulate organic carbon					B34 Lipid concentrations				
B05 Particulate organic nitrogen					B35 ATP–ADP–AMP concentrations				
B06 Dissolved organic matter					B36 DNA–RNA concentrations				
B07 Bacterial and pelagic micro–organisms					B37 Taggings				
B08 Phytoplankton					B80 Other measurements				
B09 Zooplankton									
B10 Neuston					**B5 TYPES OF STUDIES**				
B11 Nekton					B51 Identification				
B12 Invertebrate nekton					B52 Spatial and temporal distribution				
B13 Pelagic eggs and larvae					B53 Monitoring and surveillance				
B14 Pelagic fish					B54 Biomass determination				
B15 Amphibians					B55 Description of communities				
B16 Benthic bacteria and micro–organisms					B56 Food chains energy transfers				
B17 Phytobenthos					B57 Population and environments				
B18 Zoobenthos					B58 Population structures				
B19 Commercial demersal fish					B59 Taxonomy, systematics, classification				
B20 Commercial benthic molluscs					B60 Physiology				
B21 Commercial benthic crustacean					B61 Behaviour				
B22 Attached plants and algae					B62 Pathology, parasitology				
B23 Intertidal organisms					B63 Toxicology				
B24 Borers and foulers					B64 Gear research				
B25 Birds					B65 Exploratory fishing				
B26 Mammals and reptiles					B66 Commercial fishing				
B27 Deep scattering layers					B67 Aquaculture				
B28 Acoustical reflections on marine organisms					B90 Other measurements				
B29 Biologic sounds									
B30 Bioluminescence									

☆ U.S. GOVERNMENT PRINTING OFFICE: 1976—0-200-987

H– HYDROGRAPHY

HS SURFACE	NUMBER	i	l	FORMAT
H01 Continuous temperature recording				
H02 Continuous salinity recording				
H03 Discrete temperature measurements				
H04 Discrete salinity measurements				
NEAR SEA FLOOR (≤ 10 m)				
H05 Continuous temperature recording				
H06 Continuous salinity recording				
H07 Discrete temperature measurements				
H08 Discrete salinity measurements				
HP PHYSICAL				
H09 Classical oceanographic stations	6	A_1	A_2	1
H10 Vertical profiles (STD/CTD)	6	A_1	A_2	
H11 Sub–surface measurements underway				
H12 Mechanical bathythermograph (No. of drops)				
H13 Bathythermograph–expendable (No. of drops)				
H14 Sound velocity stations				
H15 Acoustic stations				
H16 Transparency				
H17 Optics				
H18 Diffusion (Dynamic)				
H80 Other measurements				
HC CHEMICAL				
H21 Oxygen	6	A_1	A_2	1
H22 Phosphates	6	A_1	A_2	1
H23 Total–P				
H24 Nitrates	6	A_1	A_2	1
H25 Nitrites				

HC CHEMICAL	NUMBER	i	l	FORMAT
H26 Silicates	6	A_1	A_2	1
H27 Alkalinity				
H28 pH				
H29 Chlorinity	6	A_1	A_2	1
H30 Trace elements				
H31 Radioactivity				
H32 Isotopes				
H33 Dissolved gases				
H90 Other measurements				

P – POLLUTION

P01 Suspended solids				
P02 Heavy metals				
P03 Petroleum residues				
P04 Chlorinated hydrocarbons				
P05 Other dissolved substances				
P06 Thermal pollution				
P07 Waste water: BOD				
P08 Waste water: Nitrates				
P09 Waste water: Microbiology				
P10 Waste water: Other				
P11 Discolored water				
P12 Bottom deposits				
P13 Contaminated organisms				
P90 Other measurements				

ACCESSION NUMBER 80-0344

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NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R2651

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319236

A. ORIGINATOR IDENTIFICATION

TR5918

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DATA MANAGEMENT
INSTITUTE OF MARINE SCIENCE
UNIVERSITY OF ALASKA
FAIRBANKS, ALASKA 99701

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

NPA

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

ACONA 288

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
R/V ACONA	SHIP	USA	USA	12/04/79	12/12/79

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR___ MONTH___

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

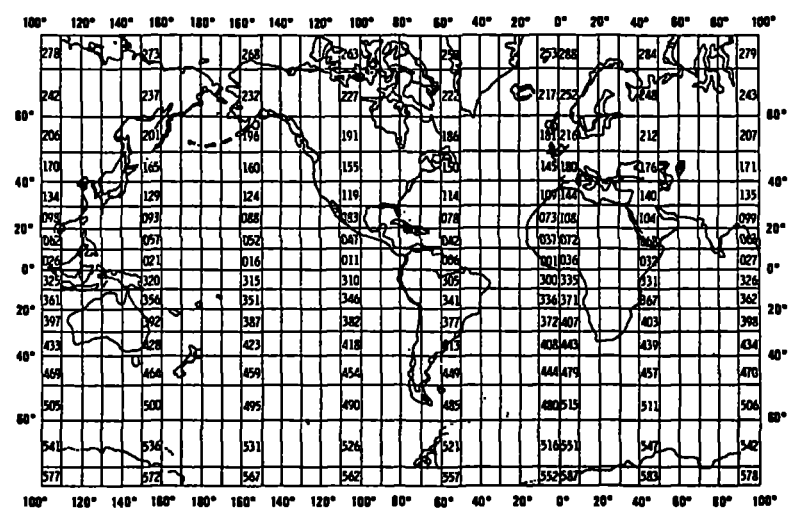
[ ] NO [X] YES [ ] PART *(SPECIFY BELOW)*

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

DATA MANAGEMENT, IMS
CYDNEY HANSEN
(907) 479-7836 (907) 479-7074

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



B. SCIENTIFIC CONTENT

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TEMPERATURE	°C	DSR THERMOMETERS & PLESSEY STD	"	N/A
DEPTH	0.1m (1m = 1 db)	THERMOMETRIC DEPTH & PLESSEY STD	"	N/A

USCOMM-DC 44289-P72

IMS STD/CTD DATA REDUCTION

NOVEMBER 1979

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STDCP PRINT OUT

1) Print out the "FISH" serial number and the equations used to convert frequency to parameters for each FISH used.
2) If conductivity ratios are converted to salinities at this point, the conversion routines are printed out.
3) Input from 7 or 9-track and output to 9-track is documented. (This includes all headers, end of files, and record number indicators).

CALVAL

Periods from a frequency counter, taken at the time discrete samples were taken, is input along with raw temperature and conductivity data from the discrete samples. Each set of such data constitute one field correction.

All of the field corrections are listed along with mean values for standard deviations for temperature and salinity. Generally, values for temperature and salinity are rejected if they fall beyond two standard deviations from the mean.

Subjective judgments as to the quality of the field correction data is made at this time.

Output from this program provides input for STDAV.

STDAV

Data from STDCP and CALVAL are input with header information which includes individual station position, time and weather.

STDAV checks each parameter to insure it falls within sensor limits. Parameters are grouped into one meter intervals (1 m = 1 db) and averaged. Field corrections are added to the one meter averages. (NOTE: depths, and their related data values, are accepted for inclusion in averaging, if and only if, depth N is greater than or equal to depth N + 1).

STDAV PRINT OUT

STDAV print out will include the following in addition to header and data:

1) All header information and corrected data in one meter intervals.
2) Field corrections used, to include mean and standard deviation for each parameter.
3) Flags indicating interpolated (*) and/or extrapolated (E) data are printed with associated data values.
4) Pertinent comments are solicited from the responsible principle investigator and attached to the final print out.

STDAV OUTPUT TAPE

A tape with one meter averages for Depth, Salinity, Temperature, Sigma-T, and Delta-D/per station is generated for mass storage and further analysis.

NODC-F

This program is used to convert the output tape from STDAV (LEG STD final format) to an NODC formatted tape for submission to NODC to fulfill contractual obligations.

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

THREE RECORD TYPES WITHIN FILE TYPE 22

Designated by byte 10:

"1" for Text Record
"2" for Master Record
"3" for Detail Record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File 22, STD/CTD: 0 to 99,999 Text records, followed by

1 Master record, Followed by

0 to 99,999 Detail records

Repeats

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Cydney Hansen, (907)479-7836

ADDRESS Institute of Marine Science, Univ. of Alaska, Fairbanks, Alaska 99701

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 ☒ .5 inch - 0.6 inch

10. END OF FILE MARK ☐ OCTAL 17 ☒ octal 23

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

022 288IMS
ACONA 288
12/04/79 - 12/12/79
Stations: 01-27 Dr. McRoy
9track,800BPI, EBCDIC, NO LABEL,ODD PARITY

12. PHYSICAL BLOCK LENGTH IN BYTES

5-120 bytes/block

13. LENGTH OF BYTES IN BITS

8 bits/byte

RECORD FORMAT DESCRIPTION

RECORD NAME STD RECORD FORMAT DESCRIPTION, FILE TYPE 22

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
FILE TYPE "22" AS DESIGNATED BY OCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE, EXCEPT: 1. Col.45-49 Depth in meters (I5 to 1/10ths) 2. Col.50-53 Salinity in 0/00 (I4 to 1/100ths)					

USCOMM-DC 44289-P72

```
FDEF IN.GERC.ASCII.
FDEF OT.IBM.NLAB.NSER.EBCDIC.F120.CI600.
FOPT IN.RECCT.
PROC REW IN. COPY IN TO OT 1F. REW OT. DUMP OT 15R.


******   3K ADDITIONAL CORE NEEDED  ******


FUNCTION REQUESTED: COPY IN TO OT   1 FILE.
   FILE IN REWOUND

 FILE CODE  IN  FILE #     1 CONTAINED          1667 RECORDS

   FILE OT REWOUND

FUNCTION COMPLETED: COPIED IN TO OT   1 FILE.

FUNCTION REQUESTED: DUMP OT           15 RECORDS.
  FILE CODE   OT   FILE NUMBER   1

CT    1        R          1   360362362362 370370311324 342361100100 100100361343 310305100311     022288IMS1    1THE I
               CC        21   325342343311 343344343305 100326306100 324301331311 325305100342     NSTITUTE OF MARINE S
               CC        41   303311305325 303305100311 342100331305 342327326325 342311302323     CIENCE IS RESPONSIBL
               CC        61   305100306326 331100343310 311342100304 301343301100 346310311303     E FOR THIS DATA WHIC
               CC        81   310100346301 342100303326 323323305303 343305304100 100100100100     H WAS COLLECTED
               CC       101   100100100100 100100100100 100100100100 100100100100 100100100361                              1

                R          2   360362362362 370370311324 342361100100 100100361301 302326301331     022288IMS1    1ABOAR
               CC        21   304100343310 305100301303 326325301100 302305343346 305305325100     D THE ACONA BETWEEN
               CC        41   361362140360 364140367371 100343326100 361362140361 362140367371     12-04-79 TO 12-12-79
               CC        61   100302350100 304331113100 324303331326 350100100100 100100100100      BY DR. MCROY
               CC        81   100100100100 100100100100 100100100100 100100100100 100100100100
               CC       101   100100100100 100100100100 100100100100 100100100100 100100100362                              2

                R          3   360362362362 370370311324 342361100100 100100361326 306100343310     022288IMS1    1OF TH
               CC        21   305100311325 342343311343 344343305100 326306100324 301331311325     E INSTITUTE OF MARIN
               CC        41   305100342303 311305325303 305113100100 100100100100 100100100100     E SCIENCE.
               CC        61   100100100100 100100100100 100100100100 100100100100 100100100100
               CC       101*  100100100100 100100100100 100100100100 100100100100 100100100363                              3

                R          4   360362362362 370370311324 342361100100 100100361343 310305331305     022288IMS1    1THERE
               CC        21   100346305331 305100301100 343326343301 323100326306 100362367100      WERE A TOTAL OF 27
               CC        41   342343301343 311326325342 100311325100 343310305100 327331311325     STATIONS IN THE PRIN
               CC        61   303305100346 311323323311 301324100342 326344325304 100301331305     CE WILLIAM SOUND ARE
               CC        81   301113100100 100100100100 100100100100 100100100100 100100100100     A.
               CC       101   100100100100 100100100100 100100100100 100100100100 100100100364                              4

                R          5   36 362362362 370370311324 342361100100 100100361342 343304100324     022288IMS1    1STD M
               CC        21   326304305323 100371360364 360153100342 305331311301 323100325344     ODEL 9040, SERIAL NU
               CC        41   324302305331 100365363364 361100346301 342100344342 305304113100     MBER 5341 WAS USED.
               CC        61   305330344301 343311326325 342100344342 305304100343 326100307305     EQUATIONS USED TO GE
```

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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
PLESSEY STD MODEL 9040	2/79		NRCC	1 YEAR					

NOTE: ALL STD OR CTD UNITS ARE FIELD CORRECTED BY COMPARISON WITH DISCRETE SAMPLES TO INCREASE ACCURACY OVER STANDARD LABORATORY CALIBRATION.

filetype 022-5

~~25~~ 44

2634 13394 (C4164)

120/4800, F022 #1 ~~B~~02812

TR 4169-4173, 4430, 4474-4443, 4444-4451, 4459-4460, 4936-4938, 5102, 5487-5492, 5572-5605, 5734-5737, 5917-5918 5314-5315, 5322-5323

184,261

~~+64,676~~

Accession No.: 80-0344

ID.: U OF ALASKA IMS CR287, 288

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

CCESSION NO: 50-0344 TR5917 & TR5918

YPE OF APE	TAPE NUMBER	LABEL	LRECL	B/KSIZE	RECFM	REMARKS
RIGINATOR	W1841 W1825	NL	120	600	FB	TR5917 TR5918
UPLICATE						
EFORMATTED						
IRST USER	02413	NL	120	4800	FB	FILE 1 TR5917 FILE 2 TR5918
FINAL USER	08836	NL	120	4800	FB	FILE 1 TR5917 FILE 2 TR5918

Data Set Route Sheet

TR5917 & TR5918 Accession # 80-0349

Step	Completion Date	Init.	Tape #,	# of Files	BLKSIZE,	LRECL
1. Originator Tape #	6/09/80	CBL	W1841 W1825	1	600	120
2. Duplicate Tape # QUADI						
3. DDF Evaluation						
4. Quality Review						
5. Preliminary Data Sort						
6. Preliminary Check						
7. First User Tape #	6/12/80	CBL	02413	2	4800	120
8. Final User Tape #	6/12/80	CBL	08836	2	4800	120
9. Final Check						
10. NAPIS Inventory						
11. DIP Inventory						
12. Data Set 'Finalized'						

FILE 1 contains TR5917
FILE 2 contains TR5918

FORM APPROVED: OMB NO. 41-R2765 – EXPIRES : 12-31-79

NOAA FORM 24-23 (1-75)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE
NATIONAL OCEANOGRAPHIC DATA CENTER

A00 DATA CENTER

A40 REFERENCE NUMBER

OCEANOGRAPHY – GENERAL CRUISE INVENTORY
(ROSCOP – II)

		YES	NO	PART	
A01 EXPEDITION/PROJECT					
A91 Declared national program?			X		
A11 CRUISE NUMBER OR NAME 288	A81 Exchange restricted?		X		
A02 SHIP OR PLATFORM R/V ACONA	A92 Co-operative program?		X		A72 NAME
A12 PLATFORM TYPE	A82 Co-ordinated internationally?		X		A62 BY WHOM?

A03 COUNTRY: U.S.A.

A04 ORGANIZATION: University of Alaska Inst. Marine Science

A05 CHIEF SCIENTIST(S)

A06 NAME AND ADDRESSES OF ORGANIZATIONS AND PERSONS WHOM TO QUERY

A1 A. S. NAIDU, IMS, Univ. of Alaska FAIRBANKS, AK 99701

FINAL DISPOSITION OF DATA

A2 A. S. NAIDU'S Report to IMS, Univ. of Alaska

B1

B2

C1

C2

D1

D2

E1

E2

DATE	DAY	MONTH	YEAR
A07 FROM	28	11	79
A17 TO	02	12	79

A08 GENERAL OCEAN AREAS: PRINCE WILLIAM SOUND, ALASKA

A09 TYPE(S) OF MARINE ZONE(S): EMBAYED, SEMI-ENCLOSED BASIN

GEOGRAPHIC AREA
If all data were collected at a fixed station, fill in the co-ordinates

A10 LATITUDE ° ' " N/S

A20 LONGITUDE ° ' " E/W

A15 FEDERAL SUPPORT: SHIP TIME BY NSF

A25 REMARKS

The primary purpose of the cruise was to Collect Sediment Samples (grabs only) for clay mineral and geochemical studies. Additional objective was to Collect shrimp samples in the Resurrection Bay. A total of 31 sediment samples were Collected; these samples have been stored in a freezer.

DISCIPLINE AND TYPE OF MEASUREMENTS	Index 10° x 10° Qc	L	G	G	INDEX 1° x 1°	DISCIPLINE AND TYPE OF MEASUREMENTS	Index 10° x 10° Qc	L	G	G	INDEX 1° x 1°
A B						A B					
A B						A B					
A B						A B					
A B						A B					
A B						A B					
A B						A B					
A B						A B					

G – GEOLOGY GEOPHYSICS

GL MEASUREMENTS MADE AT A SPECIFIC LOCATION	NUMBER	i	l	FORMAT
G01 Dredge				
G02 Grab	31			
G03 Core rock *(no. of cores)*				
G04 Core–soft bottom *(no. of cores)*				
G05 Sampling by divers				
G06 Sampling by submersible				
G07 Drilling				
G08 Bottom photography				
G09 Sea floor temperature *(≤ 1 m from bottom)*				
G10 Accoustical properties of the sea floor				
G11 Engineering properties of the sea floor				
G12 Magnetic properties of the sea floor				
G13 Gravimetric properties of the sea floor				
G14 Radioactivity measurements				
G70 Other measurements				

GU MEASUREMENTS UNDERWAY				
G21 Motion picture of sea floor *(No. of nautical miles)*				
G22 Bathymetry-wide beam *(no. of nautical miles)*				
G23 Bathymetry-narrow beam *(no. of nautical miles)*				
G24 Side scan sonor *(no. of nautical miles)*				
G25 Seismic reflection *(no. of nautical miles)*				
G26 Seismic refraction *(no. of nautical miles)*				
G27 Gravimetry				
G28 Magnetism				
G29 Other measurements				

G – GEOLOGY GEOPHYSICS *(Continued)* GS TYPES OF STUDIES	NUMBER	i	l	FO
G31 Physical analysis of sediments				
G32 Chemical analysis of sediments				
G33 Paleothermy				
G34 Paleomagnetism and rock magnetism				
G35 Paleontology				
G36 Geothermy				
G37 Geochronology				
G38 Mineral and fossil resources				
G39 Litteral zone studies				
G90 Other measurements				

D – DYNAMICS

D01 Current meters *(no. of stat.)*				
D02 Current meters *(Average duration of measurement days)*				
D03 Currents measured from ship drift				
D04 GEK				
D05 Drifters *(number)*				
D06 Swallow floats *(number)*				
D07 Drift cards *(no. released)*				
D08 Bottom drifters *(no. released)*				
D09 Tidal observation *(duration)*				
D10 Sea and swell *(no. of observations)*				
D90 Other measurements				

M – METEOROLOGY

M01 Upper air observations				
M02 Incident radiation				
M03 Air–sea interface studies				
M04 Ice observations				
M05 Occasional standard measurements				
M06 Systematic standard measurements				
M90 Other measurements				

H– HYDROGRAPHY

HS SURFACE	NUMBER	i	l	FORMAT
H01 Continuous temperature recording				
H02 Continuous salinity recording				
H03 Discrete temperature measurements				
H04 Discrete salinity measurements				
NEAR SEA FLOOR (≤ 10 m)				
H05 Continuous temperature recording				
H06 Continuous salinity recording				
H07 Discrete temperature measurements				
H08 Discrete salinity measurements				
HP PHYSICAL				
H09 Classical oceanographic stations				
H10 Vertical profiles (STD/CTD)				
H11 Sub–surface measurements underway				
H12 Mechanical bathythermograph (No. of drops)				
H13 Bathythermograph–expendable (No. of drops)				
H14 Sound velocity stations				
H15 Acoustic stations				
H16 Transparency				
H17 Optics				
H18 Diffusion (Dynamic)				
H80 Other measurements				
HC CHEMICAL				
H21 Oxygen				
H22 Phosphates				
H23 Total–P				
H24 Nitrates				
H25 Nitrites				

HC CHEMICAL	NUMBER	i	l	FORMAT
H26 Silicates				
H27 Alkalinity				
H28 pH				
H29 Chlorinity				
H30 Trace elements				
H31 Radioactivity				
H32 Isotopes				
H33 Dissolved gases				
H90 Other measurements				

P – POLLUTION				
P01 Suspended solids				
P02 Heavy metals				
P03 Petroleum residues				
P04 Chlorinated hydrocarbons				
P05 Other dissolved substances				
P06 Thermal pollution				
P07 Waste water: BOD				
P08 Waste water: Nitrates				
P09 Waste water: Microbiology				
P10 Waste water: Other				
P11 Discolored water				
P12 Bottom deposits				
P13 Contaminated organisms				
P90 Other measurements				

B – BIOLOGY

	NUMBER	i	l	FORMAT		NUMBER	i	l	FORMAT
B01 Primary productivity					B31 Vitamin concentrations				
B02 Phytoplankton pigments					B32 Amino acid concentration				
B03 Seston					B33 Hydrocarbon concentrations				
B04 Particulate organic carbon					B34 Lipid concentrations				
B05 Particulate organic nitrogen					B35 ATP–ADP–AMP concentrations				
B06 Dissolved organic matter					B36 DNA–RNA concentrations				
B07 Bacterial and pelagic micro–organisms					B37 Taggings				
B08 Phytoplankton					B80 Other measurements				
B09 Zooplankton									
B10 Neuston					**B5 TYPES OF STUDIES**				
B11 Nekton					B51 Identification				
B12 Invertebrate nekton					B52 Spatial and temporal distribution				
B13 Pelagic eggs and larvae					B53 Monitoring and surveillance				
B14 Pelagic fish					B54 Biomass determination				
B15 Amphibians					B55 Description of communities				
B16 Benthic bacteria and micro–organisms					B56 Food chains energy transfers				
B17 Phytobenthos					B57 Population and environments				
B18 Zoobenthos					B58 Population structures				
B19 Commercial demersal fish					B59 Taxonomy, systematics, classification				
B20 Commercial benthic molluscs					B60 Physiology				
B21 Commercial benthic crustacean	9				B61 Behaviour				
B22 Attached plants and algae					B62 Pathology, parasitology				
B23 Intertidal organisms					B63 Toxicology				
B24 Borers and foulers					B64 Gear research				
B25 Birds					B65 Exploratory fishing				
B26 Mammals and reptiles					B66 Commercial fishing				
B27 Deep scattering layers					B67 Aquaculture				
B28 Acoustical reflections on marine organisms					B90 Other measurements				
B29 Biologic sounds									
B30 Bioluminescence									

☆U.S. GOVERNMENT PRINTING OFFICE: 1976—0-200-987

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8000344 F022 TR5917 0104 31I7 31AC    1979/09/19 AC287         312646
 8000344 C022 319235 0104 31I7 31AC    1979/09/19 TR5917        312647
 8000344 F022 TR5918 0104 31I7 31AC    1979/12/04 AC288         312648
 8000344 C022 319236 0104 31I7 31AC    1979/12/04 TR5918        312649

(4 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8000344 F022 TR5917 31AC 5      160    79/09/19   79/09/28
 8000344 C022 319235 31AC 5      5      79/09/19   79/09/28
 8000344 F022 TR5918 31AC 27     1667   79/12/04   79/12/12
 8000344 C022 319236 31AC 27     32     79/12/04   79/12/12

(4 rows affected)
```