

8240DC514

COLLECTION NUMBER

8300102

DATA DOCUMENTATION FORM

Form TV0233
Case 329440

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

056937-056942 C116

(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 School of Oceanography Oregon State University Corvallis, OR 97331			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Code 2 Leg 6		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT Code 2 Leg 6	
4. PLATFORM NAME(S) R/V WECOMA	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) R/V Wecoma Oregon State University	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR Apr/18/82 Apr/24/82
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW) DND * 83NODC514-01			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Dr. Jane Hoyer (503) 754-2108			

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING
TWO PAGES FOR THIS INFORMATION)

B. SCIENTIFIC CONT

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
Pressure	db	Neil Brown CTD Model Mark IIb	see attached sheets	values averaged over on intervals
Temperature	°C	"	"	"
Salinity	‰	"	"	"

SAMPLING PROCEDURES, CALIBRATION AND DATA PROCESSING

Two Neil Brown Instruments Mark IIIb conductivity-temperature depth probes (CTD) with different pressure sensor ratings were used to obtain continuous profiles of temperature and salinity versus pressure at each station. Sampling procedures were identical with those described by Fleischbein et al. (1981). The 1600 db probe (#2567) was used for all stations of Code 2, Leg 6 except Station 1. The 6500 db probe was used for Station 1 to test the probe using a 12 byte format for future use.

The CTD probes were calibrated for pressure, temperature and conductivity by the manufacturer prior to delivery in the fall of 1980. *In situ* calibration data were also collected for temperature and conductivity sensors. A Niskin bottle equipped with 3 protected reversing thermometers was mounted about 2 m above the CTD sensors to provide calibration samples. The thermometers have an accuracy of $\pm 0.02^{\circ}\text{C}$ and are corrected using the results of calibrations done once every 2 years. Water sample salinity is determined by Guildline Model 8400 Autosal salinometers with precision of better than $\pm 0.002\text{‰}$ and accuracy of $\pm 0.003\text{‰}$, using equations given by Bennett (1976).

CTD data are recorded at the actual sample depth after the bottle is tripped. Occasionally due to large wire angles, the CTD and sample bottles do not remain at the same depth (and temperature) during soak time. When this resulted in relatively large differences between the sample and CTD temperature readings, these points were eliminated from the overall CTD-sample comparisons.

Duplicate salinity samples were drawn from the Niskin bottle at each station. The two sets of salinities were analyzed on OSU's Autosol #1. Due to problems of excessive drift in the conductivity readings during the run of one batch of salinity set #1, the results of the set #2 were used in the CTD calibration.

Results of the comparison between *in situ* sample data and the CTD output are summarized in Table 2. The sample conductivity was calculated using the CTD temperature and sample salinity. CTD conductivity was corrected for the pressure and temperature effects on the cell prior to the comparison. The temperature differences are within the sampling and instrument errors so no further corrections were applied to temperature prior to processing the data.

The conductivity differences for Stations 2-96 had a mean of +0.016 mmhos cm^{-2} and standard deviation of 0.003 mmhos cm^{-2} so a conductivity correction of +0.016 mmhos cm^{-2} was applied to Stations 2-96 prior to processing the data. Station 1 which used CTD probe #2561 had no conductivity correction.

Table 2. Summary of the differences between the *in situ* calibration data and the Neil Brown CTD probe. CTD conductivity was corrected by adding +0.016 mmhos cm^{-2} before processing.

	No. of Samples	Mean Difference	Standard Deviation
Temperature ($^{\circ}\text{C}$)	90	-0.008	0.013
Conductivity (mmhos cm^{-2})	91	0.016	0.003
Salinity ($^{\circ}/\text{oo}$)	91	0.017	+0.003

The procedures for data processing were described by Gilbert, Huyer and Schramm (1981). The coefficient (α) for the conductivity filter for probe #2567 was 0.862 and 0.900 for probe #2561. Stations that showed a sudden downward jump or shift in conductivity that was probably due to detritus in the cell were edited during processing and are presented in Table 3. These stations also have footnotes to the listings in the body of the data report.

Table 3. Stations edited during data processing.

Station	Depth of Jump in Conductivity	Remedy
19	30-33db	Linear interpolation of processed salinity at 30-33db.
22	4-8db	Linear interpolation of processed salinity at 4-8db.
43	3-4db	Linear interpolation of raw temperature and salinity at 3-4db.
45	10-15db	Joined data from 1-6db with data from recast resulting in a 15 min gap at 6-7db.

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**

The first seven (7) records contain the basic sampling information followed by "n" data records (variable length files). The record type is identified by its position/order in the file. The first 7 records are self documenting in that each field has a readable label. See sample file dump in "RECORD : FORMAT DESCRIPTION" section.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

This data set/tape contains the CTD casts from one cruise. The tape is multi-file with each station being a separate file. The first seven records of each file contain the basic sampling information for that station. The remaining records are data records. Each record is 35 char. long.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER William E. Gilbert (503) 754-2180
 ADDRESS School of Oceanography, Oregon State University, Corvallis, Oregon 97331

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 checked="" 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 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 checked="" 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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;">Oregon State University School of Oceanography</p> <p style="text-align: center;">ASCII Even Parity Code 2 Leg 6</p> <p style="text-align: center;">9 track 800 BPI</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 checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	
<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p>	<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p>

RECORD FORMAT DESCRIPTION



RD NAME

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DESCRIPTION 1ST HEADER RECORD					(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	5		5H	ALWAYS "SHIP" (Ø = blank)
SHIP CODE	7	2		A2	2 CHAR. SHIP CODE WC = WECOMA
FIELD LABEL	9	7		7H	ALWAYS "ØCRUISE"
CRUISE NUMBER	16	3		I3	CRUISE NO.
FIELD LABEL	19	6		6H	ALWAYS "ØSTAT:"
STATION NUMBER	25	4		I4	STATION NO.
BLANK	29	1			BLANK
FIELD LABEL	30	3		3H	ALWAYS "C#:"
CAST NUMBER	33	3		I3	CAST NO. USED FOR YO-YO STATIONS
	TOTAL =	35			
DESCRIPTION 2ND HEADER RECORD					(All fields right justified)
BLANK	1	1			BLANK
FIELD LABEL	2	5		H5	ALWAYS "DATEØ" (Ø = blank)
DATE:YEAR	7	2		I2	YEAR LAST TWO DIGITS
	9	1		H1	ALWAYS "-" FIELD SEPARATER
MONTH	10	2		I2	MONTH (1-12)
	12	1		H1	ALWAYS "-" FIELD SEPARATER
DAY	13	2		I2	DAY (1-31)
BLANK	15	2			BLANK
FIELD LABEL	17	6		H6	ALWAYS "TIME:Ø"
TIME	23	4		I4	TIME GMT 24 HR. CLOCK
TIME LABEL	27	2		H2	ALWAYS "ØZ" SYMBOL FOR GMT OR ZULU TIME
BLANK	29	7			BLANK
	TOTAL =	35			

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DESCRIPTION 3RD HEADER RECORD		(All fields right justified)			
BLANK	1	1			BLANK
FIELD LABEL	2	4		4H	ALWAYS "LATØ" (Ø = blank)
LATITUDE:DEGREES	6	3		I3	DEGREES OF LATITUDE
LATITUDE: MINUTES	9	6		F6.2	NEGATIVE FOR SOUTH
FIELD LABEL	15	4		4H	MINUTES OF LATITUDE TO
LONGITUDE:DEGREES	19	4		I4	HUNDREDTHS OF A MINUTE
LONGITUDE:MINUTES	23	6		F6.2	ALWAYS "ØLGØ"
BLANK	29	7			DEGREES OF LONGITUDE
	TOTAL =	35			NEGATIVE FOR WEST
					MINUTES OF LONGITUDE TO
					HUNDREDTHS OF A MINUTE
					BLANK
DESCRIPTION 4TH HEADER RECORD		(All fields right justified)			
BLANK	1	1			BLANK
FIELD LABEL	2	9			ALWAYS "MAX.ØPRES=" (Ø=blank)
MAX.PRESSURE	11	6		F6.0	MAXIMUM PRESSURE REACHED BY
FIELD LABEL	17	11		11H	THE CTD CAST, PRESSURE IN
DEPTH TO BOTTOM	28	6		F6.0	DECIBARS
DEPTH LABEL	34	2		2H	ALWAYS "ØDBØØDEPTH="
	TOTAL =	35			WATER DEPTH IN METERS
					ALWAYS "ØM" M = METERS
DESCRIPTION 5TH HEADER RECORD		(All fields right justified)			
BLANK	1	1			BLANK
FIELD LABEL	2	5		5H	ALWAYS "AVERØ" (Ø = blank)
AVERAGING INTERVAL	7	5		F5.1	ALL DATA REDUCED TO A COMMON
FIELD LABEL	12	6		6H	REPORTING INTERVAL, IN DECIBARS
INSTRUMENT NO.	18	4		I4	ALWAYS "ØINSTØ"
FIELD LABEL	22	6		6H	CTD INSTRUMENT NO.
SAMPLING RATE	28	6		F6.2	ALWAYS "ØRATEØ"
UNITS LABEL	34	2			SAMPLING RATE IN HERTZ
	TOTAL =	35			(SAMPLES/SECOND), TO HUNDREDTHS
					ALWAYS "HZ"

RECORD FORMAT DESCRIPTION



RD NAME _____

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DESCRIPTION 6TH HEADER RECORD					
BLANK	1	1			BLANK ALWAYS "OBS="
FIELD LABEL	2	4		H4	
TOTAL DATA CYCLES	6	6		I6	
FIELD LABEL	12	4		H4	
FORTRAN FORMAT	16	20		H20	
	TOTAL =	35			
DESCRIPTION 7TH HEADER RECORD					
IF TAPE IS DUMPED, THIS RECORD PROVIDES COLUMN HEADING ON LISTING, CONTAINS NO STATION INFORMATION (see sample listing next page)					
DESCRIPTION DATA RECORD					
PRESSURE	1	7		F7.1	PRESSURE AS DECIBARS TEMPERATURE AS DEGREES C SALINITY AS PARTS/THOUSAND
TEMPERATURE	8	8		F7.3	
SALINITY	16	8		F8.3	
NOTE: A field will be asterisk filled if the value in question exceeds the allocated field length. At this stage of processing this should not occur.					

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 (✓)	
Neil Brown CTD Model Mark IIIb	Nov. 1980						X		✓
	Temperature and conductivity calibrated from in situ cast data.								

TO: E/OC12 - C. Now
E/OC11 - P. Hadsell ←
FROM: E/OC13 - A. Picciolo
DATE: March 18, 1988
SUBJECT: Data Transfer

83 00102

The following listed data sets have been transferred as indicated:

DATA ARCHIVE AND INVENTORIES BRANCH (E/OC11)

----- Level-II Data -----

C/STD (F022/C022)

Acc: 8700401	Ref: TV0226 - 8; 319751 - 2; 329540	112 sta. 26,967 records
Warm Core Rings		
ENDEAVOR & KNORR		
Acc: 8700244	Ref: TV0231 - 2; 319749 - 50	157 sta. 33,532 records
EPOCS		
OCEANOGRAPHER & DISCOVERER		
Acc: 8800004	Ref: TV0229 - 30; 749137 - 8	80 sta. 9,856 records
DISCOVERY (U.K.)		
Acc: 8300102	Ref: TV0233; 329440	96 sta. 6,592 records ✓
WECOMA		

cc: Division Director

ACCESSION NO. 8300102 FILETYPE F022 TRACK NO. TF5158
 CO22 : 329440 TV0233

PROJECT IDENTIFICATION NONE
OREGON STATE

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	8/15/83	IG	OREGON	96	35	3500	
DUPLICATE TAPE	8/15/83	IG.	W08377	96	35	3500	
REFORMATTED TAPE							
REFORMATTED DISK	3/17/86	RPS	LEG 6 MOVED OUT.	1			6592
FIRST MULCHEK	3/22/88		SELDATA. F022 TV0233				6592
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED	3/24/88		F022. TV0233/F022	1	120		6592

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

CO22 = 329440

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

INVENTORY
Record 5581 on screen
173219

Record found

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

RPS

DATE OF ENTRY: 03/16/88

REFERENCE NUMBER: TV0233

ACCESSION NUMBER: 8300102

FORMER REFERENCE NUMBER: TT5158 FORMER ACCESSION NUMBER:

(RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape

DINDB CODE 09

EXCHANGE (FORMAT): E124 - Oregon State University CTD

PROCESSING (FORMAT): F022 - CTD/STD

* NOTE * If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3103

PLATFORM (COUNTRY AND PLATFORM CODES): 32WC

PLATFORM TYPE: 9 - Ship

DINDB CODE 09

ORIGINATORS FILE ID:

ORIGINATORS CRUISE ID: CODE2, LEG6

CRUISE START DATE: 04/19/82

CRUISE END DATE: 04/24/82

Press PgDn

PROJECT CODE: 0119

DATA USE CODE (DUC): 3

to continue

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS:

96

NUMBER OF RECORDS:

6,592

If STA/REC counts are not appropriate then enter -

NUMBER:

UNITS:

AVERAGE REC SIZE:

120

MBYTES:

0.791040

OCEAN AREA

CODE 1: 57E

MEANING: Coastal Waters of Washington/Oregon

CODE 2:

MEANING:

CODE 3:

MEANING:

DINDB TRACK TRANSACTION GENERATED: / /

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

006154

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

RPS

DATE OF ENTRY: 03/20/86

TV0233

REFERENCE NUMBER: IT5158 ACCESSION NUMBER: 8300102
ER REFERENCE NUMBER: _____ FORMER ACCESSION NUMBER: _____ (RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09
EXCHANGE (FORMAT): E124 - Oregon State University CTD
PROCESSING (FORMAT): F022 - CTD/STD

* NOTE * If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3103
PLATFORM (COUNTRY AND PLATFORM CODES): 32WC
PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: CODE 2 LEG 6
CRUISE START DATE: 04/19/82 CRUISE END DATE: 04/24/82 Press PgDn
PROJECT CODE: 0119 DATA USE CODE (DUC): 3 to continue

VOLUME - NUMBER OF STATIONS: 96 NUMBER OF RECORDS: 6,592

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

OCEAN AREA

CODE 1: 57E MEANING: Coastal Waters of Washington/Oregon
CODE 2: _____ MEANING: _____
CODE 3: _____ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

TAPE ASSIGNMENT SHEET

ACCESSION NO.: 8300102

TRACK NO(s):

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	OREGON	NL	35	3500	FB	
Duplicate	W08377	N	35	3500	FB	
Reformatted						
First User						
Final User						

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8300102	C116	056939	9999	3105	31DQ	1983/06/14	WESTPAC-	322954
8300102	C116	056940	0049	31T8	31FN	1983/07/20	MF-83-03	322955
8300102	C116	056942	9999	3101	31WT	1977/07/12	INDOPAC-	322957
8300102	C116	056941	0011	31Z3	32CW	1983/06/01	83-06	322956
8300102	C116	056938	9999	3105	32II	1983/07/08	NULL	322953
8300102	C116	056937	9999	31U5	32IK	1981/11/21	NULL	322952
8300102	F022	TV0233	0119	3103	32WC	1982/04/19	CODE 2 L	322958
8300102	C022	329440	0119	3103	32WC	1982/04/19	TV0233	322959

(8 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
8300102	C116	056939	31DQ	24	24	83/06/14	83/06/30
8300102	C116	056940	31FN	13	13	83/07/20	83/07/26
8300102	C116	056942	31WT	132	124	77/07/12	77/07/23
8300102	C116	056941	32CW	87	82	83/06/01	83/06/06
8300102	C116	056938	32II	12	11	83/07/08	83/07/26
8300102	C116	056937	32IK	12	12	81/11/21	81/11/22
8300102	F022	TV0233	32WC	96	6592	82/04/19	82/04/24
8300102	C022	329440	32WC	96	129	82/04/19	82/04/24

(8 rows affected)