ACCESSION NUMBER 8100493

TR6941 - TR6945
F144

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.

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

David Shaw 907-479-7723
Institute of Marine Science
University of Alaska
Fairbanks, Alaska 99701

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

NOAA/OCSEAP

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

DI78MY
DI78AU
DI79MY

4. PLATFORM NAME(S)

Discoverer

5. PLATFORM TYPE(S) *(E.G., SHIP, BUOY, ETC.)*

Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
U.S.	U.S.

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
05/08/78	05/31/78
08/29/78	09/02/78
05/13/79	05/18/79

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?)

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

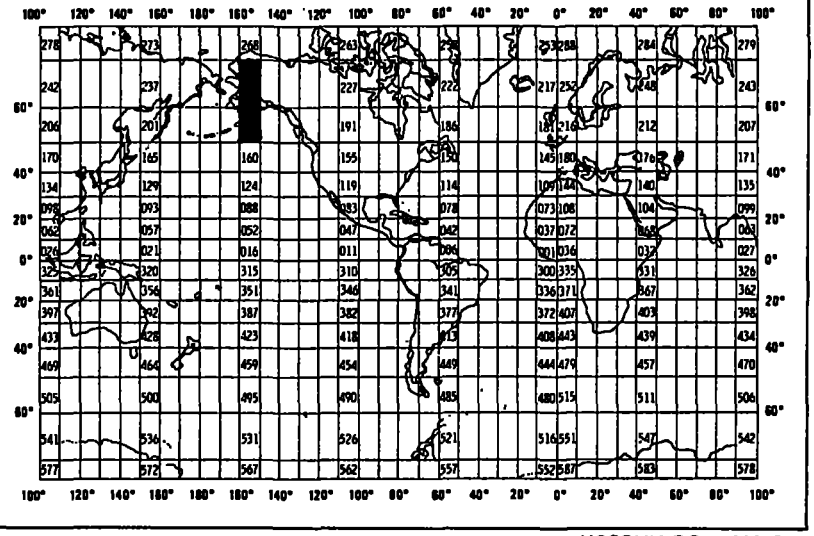
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Sue Keller 907-479-7086
Alaska Sea Grant Program
University of Alaska
Fairbanks, Alaska 99701

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

Cook Inlet

GENERAL AREA



NOAA FORM 24-13

USCOMM-DC 44289-P72

ACCESSION NUMBER

DATA DOCUMENTATION FORM

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

David Shaw 907-479-7723
Institute of Marine Science
University of Alaska
Fairbanks, Alaska 99701

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

NOAA/OCSEAP

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

HA77MY
HA78MY

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
	on foot	U.S.	U.S.	05/05/77 05/02/78	06/23/77 05/06/78

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

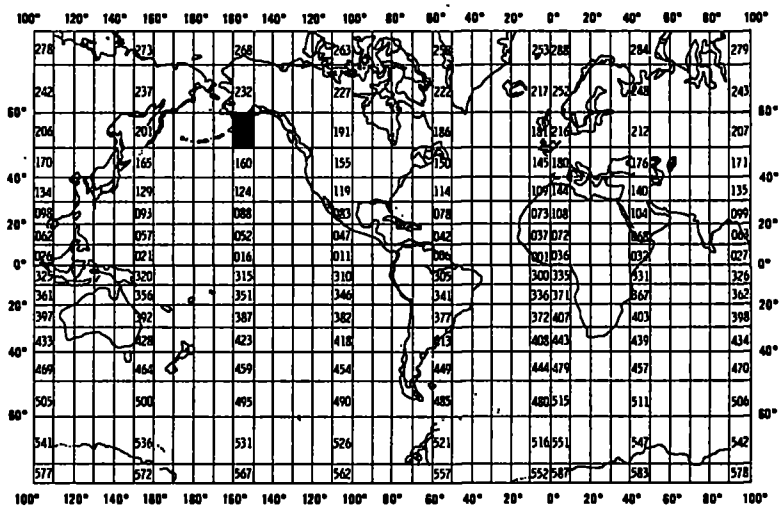
11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

Cook Inlet

GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

[X] NO [ ] 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)*

Sue Keller 907-479-7086
Alaska Sea Grant Program
University of Alaska
Fairbanks, Alaska 99701

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
sample type	Code 0210			
water depth	Meters to hundredths			
Sphere	Code 0093			
method	Code 0350		Gas chromatography	
Gear type	Code 0376			
Taxonomic code	NODC 12 digit code			
Organ sampled	Code 0037			
Parameter code	CAS code, also see text lines			
Measurement code	always weight/weight			
Trace code	Code 0348			

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
Concentration	PPM			
Text	1) specific epithets without NODC code 2) hydrocarbons without CAS codes			

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

Honeywell 6620

Record types A, C, E, F, T

OCSEAP FILE TYPE 144 8/1/80 version

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Sequence

A - header
C - station header
E - sample header
F - data record
T - text record

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Sue Keller 907-479-7086

ADDRESS Alaska Sea Grant Program
University 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 ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

OCSEAP David Shaw
T/O #5 R.U. #275 File type 144

HA77MY		05/05/77-06/23/77
HA78MY		05/02/78-05/06/78
DI78MY	Discoverer	05/08/78-05/31/78
DI78AU	Discoverer	08/29/78-09/02/78
DI79MY	Discoverer	05/13/79-05/18/79

9 track, 1600 BPI, Parity Odd, EBCDIC

12. PHYSICAL BLOCK LENGTH IN BYTES
80, Blocking factor = 1

13. LENGTH OF BYTES IN BITS
9 (1 bit for parity odd)

RECORD FORMAT DESCRIPTION

RECORD NAME Header, A

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Ship name	16	11	bytes	A 11	ship name
Survey dates	33	12	"	A 12	YYMMDD YYMMDD
Investigator	45	15	"	A 15	Principal Investigator
Institution	60	15	"	A 15	University of Alaska

RECORD FORMAT DESCRIPTION

RECORD NAME Station header, C

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
Station number	11	5	bytes	A 5	station
Station location	16	15	"	A 15	DDMMSSN DDDMMSSW
Date	31	6	"	A 6	YYMMDD
Sequence number	79	2	"	A 2	Always "01"

RECORD FORMAT DESCRIPTION

RECORD NAME Sample header, E

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
Sample number	16	3	bytes	A 3	Samples within a station
Replicate number	19	1	"	A 1	Replicates within a sample
Sample type	23	1	"	A 1	General type of sample
Sample depth	24	6	"	A 6	Discrete water sample depth
Sphere	39	1	"	A 1	Sphere from which sample was collected
Method	40	2	"	A 2	Analysis method
Gear type	42	2	"	A 2	Type of gear
Taxonomic code	45	12	"	A 12	NODC code
Organ sampled	64	2	"	A 2	Portion
Sequence number	79	2	"	A 2	Numbered within station headers

RECORD FORMAT DESCRIPTION

RECORD NAME Data record, F

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
Parameter code	23	1	bytes	A 1	Measurement or type of compound
Cas code	24	8	"	A 8	CAS code for compound
Measurement code	32	1	"	A 1	B = weight/weight
Trace code	33	1	"	A 1	Trace or limit
Concentration	34	4	"	A 4	Parts per million
Sign	38	1	"	A 1	+ or - for exponent
Exponent	39	1	"	A 1	Exponent
Sequence number	79	2	"	A 2	Sequenced among station headers

RECORD FORMAT DESCRIPTION

RECORD NAME Text record - t

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
Text	23	55	bytes	A 55	Text
Sequence number	79	2	"	A 2	Sequenced within station headers

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 (√)	(√)
Not applicable									

4028T 02 09/15/80 UTILITY REPORT 770225 PAGE 1

$ FUTIL IN,,REW/IN/,DDUMP/1F/

TAPE LABEL FILECODE - - IN

1 *GF 600 BTI 0000ID WORK4 WORK4 0001 80259D 000 *

END FILE MARK - - 23

LOGICAL DUMP FILE# 1 FILECODE IN

BLK#	REC#	RCW(L)	WRD#					
1	1	000000	1	*144HA77MYA LAND			770505770623DAVID SHAW U OF ALASKA	000000*
	2	000000	1	*144HA77MYCANCH2594612N1515212W770505				010000*
	3	000000	1	*144HA77MYEANCH20150	B		61999 8117030401 30	20000*
	4	000000	1	*144HA77MYEANCH20150	Z999902	B	15-2	30000*
	5	000000	1	*144HA77MYEANCH20150	Z999901	BI	10-6	40000*
	6	000000	1	*144HA77MYCKASIT592848N1513418W770623				010000*
	7	000000	1	*144HA77MYEKASIT0160			61999 5103100101 30	20000*
	8	000000	1	*144HA77MYEKASIT0160	Z999921	B	07-1	30000*
	9	000000	1	*144HA77MYEKASIT0160	Z999902	B	22-1	40000*
	10	000000	1	*144HA77MYEKASIT0160	T629629	BT		50000*
	11	000000	1	*144HA77MYEKASIT0160	Z999901	BT		60000*
	12	000000	1	*144HA77MYCHOME4593800N1513042W770506				010000*
	13	000000	1	*144HA77MYEHOME40280	B		61999 8149030201 30	20000*
	14	000000	1	*144HA77MYEHOME40280	Z999929	B	47-1	30000*
	15	000000	1	*144HA77MYEHOME40280	Z999921	B	160	40000*
	16	000000	1	*144HA77MYEHOME40280	Z999902	B	210	50000*
	17	000000	1	*144HA77MYEHOME40280	T629629	B	18-2	60000*
	18	000000	1	*144HA77MYEHOME40280	T629787	B	07-2	70000*
	19	000000	1	*144HA77MYEHOME40280	T1921706	B	15-2	80000*
	20	000000	1	*144HA77MYEHOME40280	T638675	B	02-2	90000*
	21	000000	1	*144HA77MYEHOME40280	T629992	B	03-2	100000*
2	22	000000	1	*144HA77MYEHOME40280	T593497	B	06-2	110000*
	23	000000	1	*144HA77MYEHOME40280	T630035	B	05-2	120000*

THERE ARE 2649 MESSAGES ON THIS CONFERENCE, YOU HAVE NOT SEEN 1 OF THEM.

ENTER OPTION - RETRIEVE, WRITE, ATTENDEES, QUIT (R W A Q) : R
RETRIEVE BY ID(I), CENTER(C), MESSAGE(M), DATE(D), KEYWORD(K),
NEW(N), PRIVATE(P), OR QUIT(Q).

OPTION (I C M D K N P Q) : N
1 MESSAGE SELECTED.
DISPLAY OPTIONS ARE: HEADER - ALL(A), HEADER - PAUSE(P),
TOTAL MESSAGE - ALL(T), TOTAL MESSAGE - PAUSE(I), QUIT(Q).
ENTER OPTION (A P T I Q) : T

2648 MIKE CRANE (4) SATURDAY JANUARY 9, 1982 02:03.48 NODC
PRIVATE MESSAGE TO YOU
KEYWORDS:
SHAW ERRORS

9 JAN 1982

TO SID NODC
FROM MIKE CRANE
SUBJ: FT144 - SHAW

WILL COMPLY WITH YOUR REQUEST. JOANNE IS REVIEWING THE TIME PROBLEM AND OUR CHECK PROGRAMS. WHEN THAT IS COMPLETE, MARILYN, JOANNE AND I WILL ADDRESS THE OTHER CONCERNS.

CC PICCIOLO

ENTER OPTION (A P T I Q) : Q

ENTER OPTION - RETRIEVE, WRITE, ATTENDEES, QUIT (R W A Q) : Q

```
CMD ==>DELETE 109
    1; LINE(S) DELETED
;    ;
CMD ==>LIST
```

#2645

8 JAN 82
0719 EST

```
 10 TO:    MIKE CRANE
 20 FROM: SID NODC
 30 SUBJ: FTP 144 PROCESSING
 40
 50   WE RECEIVED YOUR PROCESSED DATA ON FTP 144 FROM SHAW,RU 275. THE
 60 FID'S WITH CORRESPONDING NODC TRACK NUMBERS ARE:
 70      HA77MY-TR6941                    DI78AU-TR6944
 80    DI78MY-TR6942                     DI79MY-TR6945
 81    HA78MY-TR6943
 82 SHAW LISTED THIRTEEN CHEMICAL COMPOUNDS IN THE TEXT RECORD CARD T
 83 WITH UNKNOWN CAS CODES,TEN OF WHICH WE IDENTIFIED.  WE WOULD LIKE TO
 84 HAVE YOU FIND OUT WHAT THE OTHER THREE ARE.  WE NEED MORE INFORMATION
 85 ON THE COMPOUNDS,SUCH AS,MOLECULAR FORMULA,ETC.,OR CAS CODE IF KNOWN.
 86 THESE ARE THE ONES HE LISTED.
 87 PI CODE              COMPOUND                    CAS CODE
 88 Z999901          SATURATED HYDROCARBONS      YHCSAT
 89 Z999902          UNSATURATED HYDROCARBONS    YHCUNSAT
 90 Z999920          DOTRIACONTANE               T544854
 91 Z999921          SQUALENE                    T111024
 92 Z999922          HYDROCARBON OF MW 234       UNKNOWN
 93 Z999923          PENTADECENE                 T27251689
 94 Z999924          HEPTADECENE                 T26266057
 95 Z999925          HEPTADECADIENE              T54264049
 96 Z999926          OCTODECENE                  T27070582
 97 Z999927          NONADECENE                  T27400777
 98 Z999928          HENDECAPENTAENE             UNKNOWN  YHENDPN
 99 Z999929          HENDECAHEXANE               UNKNOWN  YHENDHX
100 Z999930          UNRESOLVED HYDROCARBON      YHCUR
101                  COMPLEX
102   IN ALL THREE STATIONS IN FID HA77MY THE PI USED 77 IN MINUTE FIELD
103 WHICH IS IN EXCESS OF 59.  WHAT IS THE CORRECT TIME? IN ALL SEVEN
104 STATIONS FID DI78MY HE USED 78 IN THE MINUTE FIELD? IN ALL THREE
105 STATIONS FID HA78MY HE USED 78 IN THE MINUTE FIELD? IN ALL TWO
106 STATIONS FID DI78AU HE USED 29 AND 78 IN THE HOUR AND MINUTE FIELDS,
107 RESPECTIVELY? IN ALL SIX STATIONS FID DI79MY HE USED 79 IN THE
108 MINUTE FIELD? OTHER THAN THAT,EVERYTHING ELSE LOOKS GOOD.
CMD ==>
```

cc TONY
DEAN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

2/20/84

To : Bob Stone

From: Sid Halminski Sid

Subj: NODC File Type 144, Tracks TR6941-TR6945

Mike Crane called me today in reference to my attached letter. He said the times that exceed 24 hrs and 60 minutes should be deleted. He can not find any more info on hydrocarbon of MW 234 (PI code Z999922). Mary Christman will have to assign a temporary code.

2/21/84

MARY,

DELETE ANY & ALL REFERENCES TO THIS CODE - OBVIOUSLY THE ANSWER IS NOT FORTHCOMING AFTER 2 YEARS. AFTER THAT, FINAL THIS DATA

TKS!! BOB

TRANSMITTAL FORM CD-82A (10-67)
PRESCRIBED BY DAO 214-2

☆U.S.GPO:1978-0-765-092/1241

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
Washington, D.C. 20233

National Oceanographic Data Center

January 30, 1984 E/OC13/SH

RU 275

83 NODC 134

TO: E/OC13 - Michael Crane

FROM: E/OC13 - Sid Halmpnksi

SUBJECT: NODC File Type 144, Tracks TR6941-TR6945

Enclosed are copies of five letters describing problems with FT144 data sets TR6941-TR6945.

I am still holding these data sets because I have not received an answer to the hydrocarbon code Z999922 (hydrcarbon of MW 234) and the time problems showing hours as 29 and minutes over 60

I am sure the problems were solved some time ago, but for some reason or other the information did not reach me. Would you kindly look into this problem Mike and notify me of the results.

Encloser:

cc: S. Swanner

REPLACED 10072 WITH
W10212 (SL TAPE)
FT 144
TR6941 - TR6945

DSN: DNOD # 83 NODC 134

15 Feb 1983

Bob:

Enclosed correspondence gives the background on the FTP 144 data sets.

Suggest that the hydrocarbon codes be entered in the data and two check runs be made so that they can be sent to Mike Crane. He will send one to the PI indicating our problems.

Sid

RU 275

National Oceanographic Data Center

July 29, 1983 E/OC13/SH

TO: E/OC13 - Michael Crane

FROM: E/OC13 - Sid Halminski

SUBJECT: File Type 144 Marine Toxic Substances and Pollutants

Enclosed are two copies of our check runs on FT 144 data from Shaw, RU275, with the following file ID's:

Track No.	FID	Track No.	FID
TR6941	HA77MY	TR6944	DI78AU
TR6942	D178MY	TR6945	DI79MY
TR6943	HA78MY		

Also enclosed are copies of two letters and two confer messages. The letters were mailed by Marilyn Allen and both are dated 18 January, 1982. One letter was addressed to Ray Hadley on FT 144. The other was to me on the same subject. The confer messages are related to the problems with FT 144.

First, did Ray Hadley ever respond to your request for information on the FT 144 data? I did not receive anything from him. If he cannot give us a correct time for minutes and hours, as you requested, then we will have to settle for blanks where they occur. The check runs identify the records that have incorrect times.

Second, as far as the application of the PI hydrocarbon codes to the CAS codes are concerned, we would like a little more information on "Hydrocarbon of MW 234" that Shaw used in his code 999922. Can the PI give us some idea as to its molecular structure, such as, whether it is a straight chain, benzene ring, etc.. An additional problem on the hydrocarbon code is the use of T999901. We cannot identify it as a CAS code. Could this possibly be Z999901 for saturated hydrocarbon? Also, Z999908 appears but is not listed in the text records along with the other PI codes. Should this be Z999928? We have assigned NODC temporary codes to Hendecapentaene, Z999928 and Hendecahexane, Z999929. They are YHENDPN and YHENDHX, respectively.

I would appreciate anything you can do Mike to clear these problems. I am anxious to final process these data sets.

Enclosure: *

cc: S. Swanner

Cmd ==>LIST

#3812 10 FEB 83

```
 10 TO:      MIKE CRANE
 20 FROM     SID  HALMINSKI
 30
 40 SUBJ:    FTP 144 FROM SHAW, RU275
 60      MY CONFER MSG # 2645 DATED 8 JAN 1982 REQUESTED CORRECTIONS IN TIME
 70 FIELDS FOR THE FOLLOWING :
 80
 90      TR6941  FID  HA77MY          TR6944  FID  D178AU
100      TR6942  FID  D178MY          TR6945  FID  D179MY
110      TR6943  FID  HA78MY
120
130 ALSO, THREE HYDROCARBONS WERE UNIDENTIFIED.  HOWEVER, WE HAVE NOW
140 SINCE THEN ASSIGNED PSUEDO CODES TO TWO; NAMELY, YHENDPN - HENDECAPEN-
150 TAENE AND YHENDHX - HENDECAHEXAENE.  THE THIRD IS ' HYDROCARBON OF
170 MW234' THAT CANNOT BE IDENTIFIED AND MORE INFO IS REQUIRED FROM THE PI.
180 THE ORIGINAL DATA IDENTIFIES THIS AS 'Z999922'.
190
200 YOUR RESPONSE LETTER TO ME, D781X5-82-11 DATED 18 JAN 1982, RECOGNIZED
210 THE PROBLEMS AND YOU MENTIONED THAT A NEW CHECK RUN WAS SENT TO RAY
220 HADLEY FOR CORRECTING.
230
240 YOUR LETTER TO RAY HADLEY, D781X5-82-10 DATED 18 JAN 1982, DESCRIBED
250 THE PROBLEMS WITH THE DATA SETS AND REQUESTED THAT THE LISTING YOU ENCLOSED
260 BE RETURNED WITH CORRECTIONS.
270
280 SO FAR MY FILES SHOW THAT NO RESPONSE WAS RECEIVED FROM RAY, HOWEVER,
290 I MAY BE WRONG.  IF YOU HAVEN'T HEARD, COULD YOU PLEASE BUG HIM AGAIN.
300 I STILL NEED THE TIME FIELDS CORRECTED AND THE ONE HYDROCARBON
310 COMPOUND IDENTIFIED.
320
330 ON ANOTHER SUBJECT, MIKE, HAS ANYTHING BEEN RESOLVED ON THE ASSIGNMENT
340 OF CAS CODES BY YOU DURING YOUR PROCESSING OF THE DATA?  MARY
350 CHRISTMAN ASKED ME AND I COULDN'T TELL HER  ONE WAY OR ANOTHER.  I
360 THOUGHT THE MATTER WAS SETTLED IN THE LAST LO BALL MEETING.
Cmd ==>
```

cc: Tony

ADIOS

3813 MIKE CRANE (4) SATURDAY FEBRUARY 12, 1983 01:20.29 NODC
PRIVATE MESSAGE TO YOU
KEYWORDS:
SHAW FT144, DATA PROCESSING

#3813

TO: [redacted]D HALMINSKI
FR[redacted]MIKE CRANE
SUB[redacted]FT144 DATA CORRECTIONS
DATE 11 FEB 83
REF YOUR MESSAGE #3812

THANK YOU FOR YOUR MESSAGE CONCERNING THE SHAW FT144 DATA AND WE WILL HELP YOU WITH THE CORRECTING PROCESS. TO HELP US HELP YOU, COULD YOU SEND ANOTHER CHECKRUN OF THE FT144 DATA WHICH YOU WANT CORRECTIONS? WE WILL ANNOTATE YOUR LISTING AND MAIL IT TO RAY HADLEY. IF YOU HAVE ANY CORRESPONDENCE FROM FAIRBANKS THAT WOULD HELP US FOCUS THE CONCERNS, WE WILL REVIEW IT AND NOTE IT IN OUR LETTER.

ON THE OTHER SUBJECT, IF DOUG HAMILTON AGREES WITH JIM AUDET'S REQUEST FOR CHANGES TO FT144 DESCRIPTION, THEN WE WILL CORRECT ANY UNKNOWN CAS CODES. THE LETTER REQUESTING THE CHANGES IS DATED 20 DEC 82. WHEN WE RECEIVE DOUG'S CONFIRMATION THEN ALL NEW (NOT OLD) FT144 DATA WILL BE PROCESSED UNDER THAT NEW POLICY.

CC DR. PICCIOLO
JIM AUDET
DOUG HAMILTON

3819 TONY PICCIOLO (2) MONDAY FEBRUARY 14, 1983 13:09.24 NODC
KEYWORDS:

Arctic Environmental Information and Data Center
707 A Street
Anchorage, Alaska 99501

PHONE (907) 279-4523

RU 275

UNIVERSITY OF ALASKA

D781x5-82-10

18 January 1982

Mr. Ray Hadley
Data Manager, OCS
Sea Grant, Chapman Building
University of Alaska
Fairbanks, Alaska 99701

Dear Ray:

Enclosed is a copy of correspondence received from Mr. Sid Halminski of NODC concerning the finalized Shaw RU275, file type 144 data sets. We have reviewed the problems he mentions. The time problem did not come up during the initial checkruns due to a problem in the check program. The program has now been corrected and the data rechecked.

I have enclosed a copy of the listings for your review. Mr. Halminski mentions five file ID's with problems. We originally final processed four more, so they have also been rechecked and enclosed with flagged errors. In addition to the time errors, "station number" and "no sample #" errors were listed. According to the format, these fields need to be filled in with unique values. However, in this case where the text records pertain to all stations and sample numbers within the file ID, the error will be disregarded. Three CAS codes have also been flagged as needing more information. These three are mentioned in Mr. Halminski's correspondence as needing additional information. Would you please locate the solutions to the time errors and the additional needed information for the unknown CAS codes. Thanks.

The CAS code check listings have been included for your verification of my solutions to the missing exponent and "cannot find" CAS code problem. I have marked the probable solutions on the printout. Please let me know if they are correct. The listings may also help with the location of the unknown CAS codes.

Thank you again for your help in this matter. Return the marked listing to me, and I shall notify Mr. Sid Halminski of the corrections.

Sincerely,

Marilyn R. Allen
Office Manager

MRA/sn
Enclosures

cc: S. Halminski
D. Dale

Arctic Environmental Information and Data Center
707 A Street
Anchorage, Alaska 99501

PHONE (907) 279-4523

RU 275

TR 6941-6945

UNIVERSITY OF ALASKA

D781x5-82-11

18 January 1982

Mr. Sid Halminski, D781
National Oceanographic Data Center
Page Building #1
2001 Wisconsin N.W.
Washington, D.C. 20235

Dear Sid:

The CONFER message (#2645) you sent on 8 January was received and the problems with the Shaw RU275, file type 144 data reviewed. The time errors were a problem with the check program. They have been corrected and the data rechecked. The new error listings have been sent to Ray Hadley for corrections. In addition to the time errors, the three unknown CAS codes were also sent to Ray Hadley for more information as you requested.

I have enclosed a listing of our current CAS code file. The ten codes which you identified in your CONFER message do not occur on our list. Would you please send us an updated version of the CAS code file. Thanks.

In addition to the five file ID's you mentioned, four other data sets were also submitted as finalized. We have rerun the checks on those as well to isolate potential time errors. Those listings have been sent to Ray Hadley for correction. There will no doubt be more CAS code problems with those four data sets, as there are 53 temporarily assigned codes noted in the text records. Many of them may be on your current CAS code list. If not, we can request more information from Ray Hadley.

Hopefully, this will solve the Shaw RU275, file type 144 data problems. We shall forward the time corrections and CAS code information to you as soon as they are received. Let me know if you have any further questions.

Sincerely,

Marilyn R. Allen
Office Manager

MRA/sn
Enclosure

cc: R. Hadley

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 81-0493

1) File Type: FT 144

2) Project Ident.: OCSEAP

3) Track Nos.: 6941-6945

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: _____

ACCESSION/TRACK

81 - 00493

TR6941 - TR6945

Step	Completion Date/Init.		Tape # or Unit	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE # DISK#1	4/16/81	K	OCSE34	1	80	80	506
QUADI/SCAN TAPE #	3/15/83	K	DISK#1	1	80	80	506
ASSIGNED FOR PROCESS.	3/15/83	K	10072	1	80	80	506
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE #							
WORK DISK FILE							
FINAL USER TAPE #							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

(Rev. 11/80)

ACCESSION/TRACK NO.: 81-0493 TR 6941-6945

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR DISK #1	OCSE34	NL	80	80	FB		506
DUPLICATE	10072	SL	80	80	FB		506
REFORMATTED							
FIRST USER							
FINAL USER							

DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
OFFICE OF MARINE POLLUTION ASSESSMENT
Alaska Office
Post Office Box 1808
Juneau, Alaska 99802

TO : OA/D781 - Sid Halminski

FROM: RD/MPF24 - Dean

SUBJ: Use of FTP 144 Format in OCSEAP

REF : 1) Your letter of April 6, 1982
2) CONFER #2828 Halminski to Crane dated 03/18/82
3) CONFER #2830 Crane to Halminski dated 03/19/82

DATE: April 16, 1982

I have reviewed the referenced documents and have also passed them to Dr. Carol-Ann Manen of this office for comment.

Specific data formats are spelled out in work statements provided to OCSEAP by our investigators when appropriate digital formats exist. In recent years we have been even more specific through the use of Parameter Checklists provided to us by Mike Crane.

As to the use of FTP 144 in OCSEAP, the following points should be noted:

1) There are no outstanding data sets in this format and probably none will be collected in this format by OCSEAP in the next few years.

2) Carol-Ann's recommendation is to leave the 9999xx codes as they are. You are correct in stating that they do not distinguish between isomers, but none of the analytical techniques used in the identification of these compounds by Shaw (RU 275) were subtle enough to distinguish isomers.

cc: C. Manen
M. Crane
T. Picciolo
J. Audet

Need to modify 'Z' code to keep PI in picture
Crane - follow up during initial processing

National Oceanographic Data Center

April 6, 1982 OA/D781/SJH

TO: RD/MPF24 - Dean Dale

FROM: OA/D781 - Sid Halminski

SUBJECT: Use of FTP 144 Format in OCSEAP

Reference my CONFER #2828 to Mike Crane of 3/18/82 and Crane's CONFER #2830 to me of 3/19/82.

The above messages were on the subject of requiring more information on hydrocarbons in order to determine their CAS codes and on chemical compound nomenclatures. I believe you have copies of the messages.

Shaw, RU 275, lists a number of hydrocarbons in his FTP 144 data, 13 of which may need to be further identified; that is, be more specific than what the PI reported. I need the names of hydrocarbons that indicate chemical structure and distinguish between isomers if the name is part of a system and nomenclature, and if the PI measured specific isomers. Mike processed Shaw's data and sent it to NODC for further processing and finalization. NODC assigned CAS codes to some of the PI's temporarily assigned codes. However, we have 13 that cannot be identified. I requested Mike to get more information from the PI on these 13 hydrocarbons. He said the PI isn't required to be that precise according to the current FTP 144 format, since no de facto policy has been established by OCSEAP.

What I would like to know is whether specific data formats, such as FTP's 021, 043, 044, 061 or 144 are spelled out in OCSEAP contracts with PI's. FTP's 021 and 061 identify certain compounds and also elements in the periodic tables. FTP's 043 and 044 name specific hydrocarbons or compounds. All of these have no identity problems. FTP 144 is broad; just about anything can be reported but they must be identified by CAS codes. There are many hydrocarbons, having a common generic name, that may have two or more isomers. There may be 20, 80, etc., isomers all of equal molecular weights but which are characteristically different. Each, generally, can be identified by a different CAS code. NODC plans, eventually, to replace FTP's 021, 043, 044 and 061 and rely only on FTP 144. If OCSEAP determines that PI's will use FTP 144, then the PI must be responsible for indicating precise nomenclatures to specifically identify isomeric compounds if in fact he considers them to be marine toxic substances or pollutants for which the format is designed.

NODC, with the help of others, developed FTP 144. For this format, the investigator may employ a temporary coding system (using the prefix Z) to identify compounds which are then specified in text records and/or the DDF. This is because most investigators do not have available the American Chemical Society complete list of CAS codes. We at NODC can then reassign the Z codes to the proper CAS codes with the help of the names listed in tne text record, provided sufficient information for each compound is provided.

The question arises --- how precise does OCSEAP want PI's to report the names of hydrocarbons? There is no problem if they use FTP's 021, 043, 044 or 051 since some specific chemical names or the periodic table codes are used in the formats. (All compounds and elements for these formats have equivalent CAS codes for entry in FTP 144.) However, where OCSEAP now requires FTP 144 in a contract, the PI must be specific in nomenclature in order that NODC can assign CAS codes where they are not included in the subset of codes that accompany FTP 144. If only general nomenclatures are used and these cannot be broken down to specifics, in some cases psuedo codes must be assigned. We want to keep pseudo codes to a minimum because this will complicate matters, in terms of parameter inventories and retrievals.

cc: M. Crane
T. Picciolo
J. Audet

bcc: B. Stone
C. Noe

OA/D781/SJHalminski:jas:47441:040582
17.1-17.2

1-4-82

To: Bob Stone
From: Bob Gelfeld
SUBJECT: F144, 8100493 TR6941-6945 CAS Codes

I have assigned the following CAS codes to the compounds in question:

1. Saturated Hydrocarbons	YHCSAT
2. Unsaturated Hydrocarbons	YHCUNSAT
3. Dotriacontane	T544854
4. Squalene	T111024
5. Pentadecene	T27251689
6. Heptadecene	T26266057
7. Heptadecadiene	T54264049
8. Octadecene	T27070582
9. Nonadecene	T27400777
10. Unresolved Hydrocarbon Complex	YHCUR

I have been unable to assign CAS codes to the following compounds. The PI should be contacted and more information (either give us the molecular formula or CAS code, if known) will have to be sent to NODC.

1. Hydrocarbon of MW 234
2. Hendecapentaene YHENVPN
3. Hendecahexaene YHENDHX

cc: Mary Christman

Arctic Environmental Information and Data Center
707 A Street
Anchorage, Alaska 99501

PHONE (907) 279-4523

RU 275

TR 6941-6945

UNIVERSITY OF ALASKA

D781x5-82-11

18 January 1982

Mr. Sid Halminski, D781
National Oceanographic Data Center
Page Building #1
2001 Wisconsin N.W.
Washington, D.C. 20235

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Sincerely,

Marilyn R. Allen
Office Manager

MRA/sn
Enclosure

cc: R. Hadley

Arctic Environmental Information and Data Center
707 A Street
Anchorage, Alaska 99501

PHONE (907) 279-4523

RU 275

UNIVERSITY OF ALASKA

D781x5-82-10

18 January 1982

Mr. Ray Hadley
Data Manager, OCS
Sea Grant, Chapman Building
University of Alaska
Fairbanks, Alaska 99701

Dear Ray:

Enclosed is a copy of correspondence received from Mr. Sid Halminski of NODC concerning the finalized Shaw RU275, file type 144 data sets. We have reviewed the problems he mentions. The time problem did not come up during the initial checkruns due to a problem in the check program. The program has now been corrected and the data rechecked.

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Thank you again for your help in this matter. Return the marked listing to me, and I shall notify Mr. Sid Halminski of the corrections.

Sincerely,

Marilyn R. Allen
Office Manager

MRA/sn
Enclosures

cc: S. Halminski ✓
D. Dale

```
CMD: ==>DELETE 109
   1 LINE(S) DELETED
CMD: ==>LIST
  10 TO: MIKE CRANE
  20 FROM: SID NODC
  30 SUBJ: FTP 144 PROCESSING
  40
  50    WE RECEIVED YOUR PROCESSED DATA ON FTP 144 FROM SHAW,RU 27L.  THE
  60 FID'S WITH CORRESPONDING NODC TRACK NUMBERS ARE:
  70      HA78MY-TR6941                    DI78MY-TR6944
  80      DI78MY-TR6942                    DI79MY-TR6945
  81      HA79MY-TR6943
  82 SHAW LISTED THIRTEEN CHEMICAL COMPOUNDS IN THE TEXT RECORD CARD I
  83 WITH UNKNOWN CAS CODES.  TEN OF WHICH WE IDENTIFIED.  WE WOULD LIKE TO
  84 HAVE YOU FIND OUT WHAT THE OTHER THREE ARE.  WE NEED MORE INFORMATION
  85 ON THE COMPOUNDS, SUCH AS MOLECULAR FORMULA, ETC., OR CAS CODE IF KNOWN.
  86 THESE ARE THE ONES HE LISTED.
  87 MI CODE          CSC NAME                    CAS CODE
  88 Z999901          SATURATED HYDROCARBONS      YHCSAT
  89 Z999902          UNSATURATED HYDROCARBONS    YHCUNSAT
  90 Z999903          NITRIACONTANE               [illegible]4854
  91 Z999921          SQUALENE                    [illegible]111024
  92 Z999922          HYDROCARBON OF MW 234       (UNKNOWN)
  93 Z999923          PENTADECENE                 T27251689
  94 Z999924          HEPTADECENE                 T26266057
  95 Z999925          HEPTADECADIENE              T54264049
  96 Z999926          OCTADECENE                  [illegible]7070582
  97 Z999927          NONADECENE                  [illegible]2210077?
  98 Z999928          HENDECAPENTAENE             (UNKNOWN)
  99 Z999929          HEXAMETHYLXANE              (UNKNOWN)
 100 Z999930          UNRESOLVED HYDROCARBON      YHCUR
 101                  COMPLEX
 102    IN ALL THREE STATIONS IN FID HA79MY THE PI USED 77 IN MINUTE FIELD
 103 WHICH IS IN [illegible] OF 59.  WHAT IS THE CORRECT TIME? IN ALL SEVEN
 104 STATIONS FID DI78MY HE USED 78 IN THE MINUTE FIELD; IN ALL THREE
 105 STATIONS FID HA79MY HE USED 79 IN THE MINUTE FIELD? IN ALL TWO
 106 STATIONS FID DI78AU HE USED 29 AND 78 IN THE HOUR AND MINUTE FIELDS,
 107 RESPECTIVELY? IN ALL SIX STATIONS FID DI79MY HE USED 79 IN THE
 108 MINUTE FIELD? OTHER THAN THAT, EVERYTHING ELSE LOOKS GOOD.
CMD: ==>
```

$2695

8 JAN 82

0719 EST

cc TONY
DEAN

ADP FACILITIES REQUEST FORM

USER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMINSKI	634-7441	OCSEAP	3/4/83		33

MACHINE JOB IS TO BE DONE ON AND DESCRIBE THE FUNCTIONS TO BE DONE

RUN SCAN AND LOOK ON OUTPUT TAPE, ALSO, PRINT 100 RECORDS. Initialized tape

2 Scan, 1 Dump, 1 SLcopy, 1 Look, 1 Print

INPUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) OTHER(SPECIFY)	CARD DISK PRINT (TAPE) OTHER(SPECIFY)

TAPE INFORMATION

	TAPE #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	BLOCK SIZE
INPUT	DISK01	9	1600	ODD	NL		80	80
	CODE: ASCII (EBCDIC) BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	BLOCK SIZE
OUTPUT	10072	9	1600		SL		80	80
	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNOD*83NODC134			PURGE DATE

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME

D731 USE ONLY

JOB #	DATE JOB DONE	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED
	3/11/83	10:22	10:58	C	MT1 MT2 [redacted] - 3 mounts

COMMENTS

Completed by E. G. Mason

U.S. Department of Commerce
National Oceanic and Atmospheric Administration

TRANSMITTAL AND RECEIPT RECORD
(Please sign and return carbon copy acknowledging receipt)

TO: Mr. Sid Halminski
NODC, Page Building #1
2001 Wisconsin N.W.
Washington, D.C. 20235

REFER TO: D781x5-81-44
ATTENTION: Sid Halminski

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

[ ] Ordinary Mail [ ] Registered Mail [X] Certified Mail [ ] Government Truck [ ] By Hand [ ] Other

Enclosed is the finalized version of the five Shaw RU275, file type 144 data sets. Following are the file I.D.'s involved: DI78MY, DI78AU, DI79MY, HA77MY, and HA78MY.

Included are the listings, DDF's, DINDB forms, and the one floppy diskette containing the data.

cc: J. Audet
D. Dale

Michael L. Crane	Alaska Liaison Officer	26 February 1981
FORWARDED BY (Signature)	TITLE	DATE FORWARDED
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8100493 F144 TR6941 0081 31I7 3199    1977/05/05 HA77MY       314531
 8100493 F144 TR6943 0081 31I7 3199    1978/05/02 HA78MY       314533
 8100493 F144 TR6942 0081 31I7 31DS    1978/05/08 DI78MY       314532
 8100493 F144 TR6944 0081 31I7 31DS    1978/08/31 DI78AU       314534
 8100493 F144 TR6945 0081 31I7 31DS    1979/05/07 DI79MY       314535

(5 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8100493 F144 TR6941 3199 3      37     77/05/05   77/06/23
 8100493 F144 TR6943 3199 3      77     78/05/02   78/05/06
 8100493 F144 TR6942 31DS 7      148    78/05/08   78/05/24
 8100493 F144 TR6944 31DS 2      61     78/08/31   78/09/01
 8100493 F144 TR6945 31DS 6      183    79/05/07   79/05/18

(5 rows affected)
```