

Unique No.: 200747

Date of Entry: 11/19/91

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY - DINDB)

Accession No.: 9100090      Reference No.: 002268  
Former Accession No.:      Former Reference No.: (Resub ONLY)

-----  
Media-In (DINDB):      09 - Digital Magnetic Tape

Exchange Format:      E123 - Standard Level Bathythermograph

Processing Format:      C126 - Fixed Level Mechanical Bathythermograph

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

Country/Institute Code:      4901

Country/Platform Code: 49SY

Platform Type (DINDB): 09 - Ship

Orig. Cruise ID:

Cruise Start Date: 05/17/78

Project Code:

Cruise End Date:    06/10/78

Data Use Code (DUC): 3

-----  
Number of Stations:      105

Number of Records:      105

    If stations/records not appropriate then:

        Number:

        Units:

-----  
Ocean Area:

        Code 1:      Meaning:

        Code 2:      Meaning:

        Code 3:      Meaning:

-----  
DINDB Transaction Date:

Unique No.: 200748

Date of Entry: 11/19/91

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY - DINDB)

Accession No.: 9100090      Reference No.: 002269  
Former Accession No.:      Former Reference No.: (Resub ONLY)

-----  
Media-In (DINDB):      09 - Digital Magnetic Tape

Exchange Format:      E123 - Standard Level Bathythermograph

Processing Format:      C126 - Fixed Level Mechanical Bathythermograph

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

Country/Institute Code:      4901      Country/Platform Code: 49SY

Platform Type (DINDB): 09 - Ship      Orig. Cruise ID:

Cruise Start Date: 10/16/81      Project Code:

Cruise End Date:    10/19/81      Data Use Code (DUC): 3

-----  
Number of Stations:      7      Number of Records:      7

                    If stations/records not appropriate then:

Number:      Units:

-----  
Ocean Area:

Code 1:      Meaning:  
Code 2:      Meaning:  
Code 3:      Meaning:

-----  
DINDB Transaction Date:

ACCESSION NO. 9100090 FILETYPE C126

TRACK NO. 002268-9 PROJECT IDENTIFICATION \_\_\_\_\_

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7-9-91	CMH	A 0 1424	3	80	3200	11,313
DUPLICATE TAPE	7-9-91	CMH	W18796	3	80	✓	✓
REFORMATTED TAPE	9-25-91	R.P.S.	W20483 *	1	✓	✓	112
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

\* LABEL = DNODC \* UBTOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hartley	673-5636	EG12008V31119	07/13/91	ASAP

## PART A

## Request/Problem Category

- ☐ General Info      ☐ Communications      ☐ Equipment      ☐ Supplies  
☐ Software      ☐ Tape Library      ☒ Computer Operations  
☐ Other Specify:

2nd 'W' tape

## Request/Problem Description:

Tape A01424

Copy files 2,3, and 4 only to a 'W' tape  
 Please scan 'W' tape

## PART B

(For Operator Job Requests)

## Operator Job Request Type

- ☐ Run BRBUOY procedure      Name: \_\_\_\_\_      ☐ See attached list  
☐ Run SELBUOY procedure      Name: \_\_\_\_\_      ☐ See attached list  
☐ Run BUOYSUM procedure      Name: \_\_\_\_\_      ☐ See attached list  
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS  
☐ Tape Scan  
☒ Tape to Tape Copy      Scan OUTPUT tape? ☒ yes ☐ no  
☐ Disk to Tape Copy      Scan OUTPUT tape? ☐ yes ☐ no  
☐ Tape to Disk Copy  
☐ Print      ☐ 80 column      ☐ 132 column      ☐ HEX      ☐ OCTAL      ☐ Character  
                                  All files/records? ☐ yes ☐ no, see SPECIAL INSTRUCTIONS  
☐ Restore VAX file      Name: \_\_\_\_\_  
☐ OTHER - see SPECIAL INSTRUCTIONS

## Special Operator Instructions:

Please send 'W' tape to Asheville, NC

## JOB INPUT

Id#/Filename: A01424(D01726)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 1500

MAX Record Length: 80 MAX Blocksize: 3200

## JOB OUTPUT

Id#/Filename: W18796

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL

MAX Record Length: 80 MAX Blocksize: 3200

(OC3 Use Only)

JOB Number: 91070802

Completed By: J.B.

Date/Time Start: 7-9-91/10:50

Date/Time Completed: 7-9-91/11:05

User Name	Phone #	Org/Task	Submit Date	Due Date
Giff Hattley	673-5636	EE-12008N3AH9	07/03/91	ASAP

**PART A**

Request/Problem Category

- ☐ General Info    ☐ Communications    ☐ Equipment    ☐ Supplies  
☐ Software    ☐ Tape Library    ☒ Computer Operations  
☐ Other Specify: 1st 'W' tape

Request/Problem Description:

Tape A01424  
 Copy 1st file only to a 'W' tape  
 Please scan 'W' tape

**PART B**

(For Operator Job Requests)

Operator Job Request Type

- ☐ Run BRBUOY procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run SELBUOY procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run BUOYSUM procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS  
☒ Tape Scan  
☒ Tape to Tape Copy    Scan OUTPUT tape? ☒ yes ☐ no  
☐ Disk to Tape Copy    Scan OUTPUT tape? ☐ yes ☐ no  
☐ Tape to Disk Copy  
☐ Print    ☐ 80 column    ☐ 132 column    ☐ HEX    ☐ OCTAL    ☐ Character  
                     All files/records? ☐ yes ☐ no. see SPECIAL INSTRUCTIONS  
☐ Restore VAX file    Name: \_\_\_\_\_  
☐ OTHER - see SPECIAL INSTRUCTIONS

Special Operator Instructions:

Please send 'W' tape to Asheville, N.C.

**JOB INPUT**

Id#/Filename: A01424(D01726)

Medium: ☒ Tape    ☐ Disk    ☐ Diskette    ☐ Other Specify:  
 Code: ☒ ASCII    ☐ EBCDIC    ☐ Binary    ☐ Other Specify:  
 Tape Specs: ☐ 800    ☐ 1600    ☒ 6250    ☒ NL    ☐ SL  
 MAX Record Length: 53    MAX Blocksize: 4240

**JOB OUTPUT**

Id#/Filename: W18795

Medium: ☒ Tape    ☐ Disk    ☐ Diskette    ☐ Other Specify:  
 Code: ☒ ASCII    ☐ EBCDIC    ☐ Binary    ☐ Other Specify:  
 Tape Specs: ☐ 800    ☐ 1600    ☒ 6250    ☒ NL    ☐ SL  
 MAX Record Length: 53    MAX Blocksize: 4240

(OC3 Use Only)

JOB Number: 91070801 9.2.  
 Completed By:

Date/Time Start: 7-9-91/10:30  
 Date/Time Completed: 7-9-91/10:45

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hartley	673-5636	EGD-00813/119	07/03/91	ASAP

**PART A**

Request/Problem Category

<input type="checkbox"/> General Info	<input type="checkbox"/> Communications	<input type="checkbox"/> Equipment	<input type="checkbox"/> Supplies
<input type="checkbox"/> Software	<input type="checkbox"/> Tape Library	<input checked="" type="checkbox"/> Computer Operations	
<input type="checkbox"/> Other Specify:		3rd 'W' tape	

## Request/Problem Description:

Tape A01424  
 copy 5th file only to a 'W' tape  
 Please scan 'W' tape

**PART B**

(For Operator Job Requests)

## Operator Job Request Type

- ☐ Run BRBUOY procedure Name: \_\_\_\_\_ ☐ See attached list  
☐ Run SELBUOY procedure Name: \_\_\_\_\_ ☐ See attached list  
☐ Run BUOYSUM procedure Name: \_\_\_\_\_ ☐ See attached list  
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS  
☒ Tape Scan  
☒ Tape to Tape Copy Scan OUTPUT tape? ☒ yes ☐ no  
☐ Disk to Tape Copy Scan OUTPUT tape? ☐ yes ☐ no  
☐ Tape to Disk Copy  
☐ Print ☐ 80 column ☐ 132 column ☐ HEX ☐ OCTAL ☐ Character  
 All files/records? ☐ yes ☐ no, see SPECIAL INSTRUCTIONS  
☐ Restore VAX file Name: \_\_\_\_\_  
☐ OTHER - see SPECIAL INSTRUCTIONS

## Special Operator Instructions:

Please send 'W' tape to Asheville, N.C.

**JOB INPUT**

ID#/Filename:

A01424(041726)

MEDIUM: ☒ TAPE ☐ DISK ☐ DISKETTE ☐ OTHER Specify:  
 CODE: ☐ ASCII ☒ EBCDIC ☐ BINARY ☐ OTHER Specify:  
 TAPE SPECS: ☐ 800 ☐ 1600 ☒ 6250 ☒ NL ☐ SL  
 MAX Record Length: \_\_\_\_\_ MAX Blocksize: \_\_\_\_\_

84

4200

**JOB OUTPUT**

Id#/Filename:

W18797

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:  
 Code: ☒ ASCII ☒ EBCDIC ☐ Binary ☐ Other Specify:  
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☒ NL ☐ SL  
 MAX Record Length: \_\_\_\_\_ MAX Blocksize: \_\_\_\_\_

84

4200

(OC3 Use Only)

JOB Number: 91070803

g.s.

Completed By:

Date/Time Start: 7-9-91/11:10

Date/Time Completed: 7-9-91/11:25

User Name <i>Cliff Hartley</i>	Phone # <i>673-5636</i>	Org/Task <i>EG12008A3449</i>	Submit Date <i>05/20/91</i>	Due Date <i>ASAP</i>
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### PART A

#### Request/Problem Category

- ☐ General Info    ☐ Communications    ☐ Equipment    ☐ Supplies  
☐ Software    ☐ Tape Library    ☒ Computer Operations  
☐ Other Specify:

#### Request/Problem Description::

*Please scan tape AΦ1424*

### PART B

(For Operator Job Requests)

#### Operator Job Request Type

- ☐ Run BRBUOY procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run SELBUOY procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run BUOYSUM procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS  
☒ Tape Scan  
☐ Tape to Tape Copy    Scan OUTPUT tape? ☐ yes ☐ no  
☐ Disk to Tape Copy    Scan OUTPUT tape? ☐ yes ☐ no  
☐ Tape to Disk Copy  
☐ Print    ☐ 80 column    ☐ 132 column    ☐ HEX    ☐ OCTAL    ☐ Character  
                     All files/records? ☐ yes ☐ no. see SPECIAL INSTRUCTIONS  
☐ Restore VAX file    Name: \_\_\_\_\_  
☐ OTHER - see SPECIAL INSTRUCTIONS

#### Special Operator Instructions:

*Please return tape AΦ1424 to Bin 09*

#### JOB INPUT

Id#/Filename: \_\_\_\_\_

*AΦ1424*

Medium: ☒ Tape    ☐ Disk    ☐ Diskette    ☐ Other Specify:  
 Code:    ☐ ASCII    ☒ EBCDIC    ☐ Binary    ☐ Other Specify:  
 Tape Specs:    ☐ 800    ☐ 1600    ☒ 6250    ☐ NL    ☐ SL  
 MAX Record Length: \_\_\_\_\_    MAX Blocksize: \_\_\_\_\_

#### JOB OUTPUT

Id#/Filename: \_\_\_\_\_

Medium: ☒ Tape    ☐ Disk    ☐ Diskette    ☐ Other Specify:  
 Code:    ☐ ASCII    ☐ EBCDIC    ☐ Binary    ☐ Other Specify:  
 Tape Specs:    ☐ 800    ☐ 1600    ☐ 6250    ☐ NL    ☐ SL  
 MAX Record Length: \_\_\_\_\_    MAX Blocksize: \_\_\_\_\_

(OC3 Use Only)

JOB Number: *91052102*

Completed By: \_\_\_\_\_

Date/Time Start: *5-21-91/11:35*  
 Date/Time Completed: *5-21-91/11:45*

Japan Oceanographic Data Center  
 Hydrographic Department  
 Maritime Safety Agency  
 5-3-1, Tsukiji, Chuo-ku, Tokyo  
 104 JAPAN

## TRANSMITTAL AND RECEIPT RECORD

( Please return signed acknowledgement copy )

To:  Director National Oceanographic Data Center, NOAA	Refer to: Data Exchange Agreement Between NODC and JODC
	Attention

The item listed below were forwarded to you by	Description of parcels	Number of parcels
<input type="checkbox"/> Surface mail <input checked="" type="checkbox"/> Air mail	<input type="checkbox"/> Chest <input type="checkbox"/> Parcel <input checked="" type="checkbox"/> Cardboard box <input type="checkbox"/> Other	1

- a) Magnetic Tape 1 Reel  
 Reel No DM900020 Containing Serial Oceanographic Station Data, XBT, DBT, MBT and Current Data (for 1990)
- b) Each File Dump List
- c) Each Magnetic Tape Specification
- d) Each File Format Description



Forwarded by (signature) Osamu Yamada <i>Osamu Yamada</i>	Title Director of Japan Oceanographic Data Center	Date forwarded
Received by (signature) <i>[Signature]</i>	Title	Date received 4-20-91



# MAGNETIC TAPE SPECIFICATION

DISSEMINATION NO. : 91-020 (A)

DATE :

REEL NUMBER : DM900020

CONTENTS : XBT, DBT, MBT, Current and Station Data (for 1990)

TRACKS : 9

DANSITY : 6250 BPI

TAPE LABEL : Non

RECORD LENGTH : 80 Bytes/Record for XBT, DBT and MBT Data  
: 84 Bytes/Record for Current Data *C107*  
: 53 Bytes/Record for Station Data *C100*

BLOCL SIZE : 40 Records/Block for XBT, DBT and MBT Data  
: 50 Records/Block for Current Data  
: 80 Records/Block for Station Data

RECORDING CORD : EBCDIC

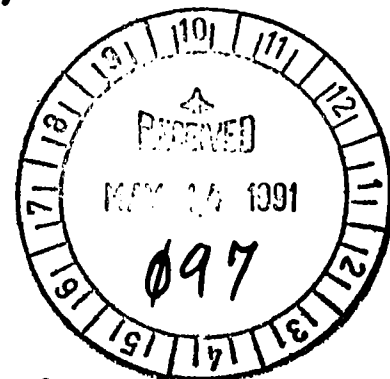
MULTI-REEL FILE : No

MULTI-FILE REEL : 5 FILES/REEL

NUMBER OF REEL : 1

SORTING SEQUENCE :

TO BE RETURNED : No



*A01424*

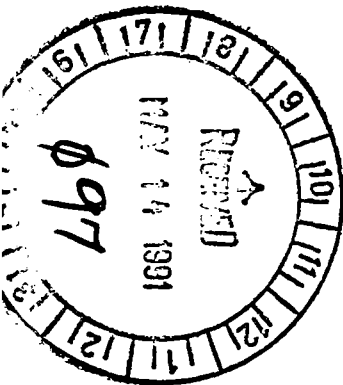
## LIST OF FILE NAMES

	File Name	No. of Stn.
FIRST FILE	: Station Data	3, 866 Stations
SECOND FILE	: XBT Data	4, 018 Stations
THIRD FILE	: DBT Data	861 Stations
FOURTH FILE	: MBT Data	112 Stations
FIFTH FILE	: Current Data	12, 037 Stations
SIXTH FILE	:	

## SERIAL STATION, STD & CTD DATA

JOLDC 88

(Repeat as needed)



## EXPLANATION OF FILE FORMAT

### 1. Serial Station Data (SD)

#### (1) Record Description

##### HEADER-1(Surface Environmental Information)

Element Name	Start of position	Field Type	Description of Field
RECORD TYPE	1	I1	Record type; 1: Header-1 2: Header-2 3: Observation Data 4: Additional Data 6: Standard Data
NEXT RECORD	2	I1	Record identifier of next record
JODC CRUISE REF. NO.			JODC cruise reference number consists of: Country Code, Observation Year, Institution Code, Consecutive Cruise Number and Consecutive Station Number
COUNTRY CODE	3	A2	Originator's nationality(e.g. Japan= 49)
YEAR	5	I2	Last two digits of observation year
INSTITUTION CODE	7	A2	Institution code assigned by JODC (Table 10)
CONSECUTIVE CRUISE NO.	9	I2	JODC consecutive cruise number
CONSECUTIVE STATION NO.	11	I4	JODC consecutive station number
SHIP CODE	15	A2	JODC ship code (Table 11)
LAT.	17	I2, I3, A1	Degrees, minutes of latitude &/or tenths, N or S
LONG.	23	I3, I3, A1	Degrees, minutes of longitude &/or tenths, E or W
DATE	30	I3	Last two digits of year (e.g. 1987= 087)
MONTH, DAY	33	2I2	Month and day in GMT
TIME	37	I3	Hours and/ or tenths in GMT
STATION NO.	40	A7	Originator's station number, left justified
INSTRUMENT	47	A1	Instrument type; S: STD, C: CTD, Blank: SD
DEPTH TO BOTTOM	48	I4	Depth to bottom in meters

##### HEADER-2(Surface Environmental Information)

Element Name	Start of Position	Field Type	Description of Field
RECORD TYPE,NEXT RECORD	1	2I1	Record type, always "2" : see above Header-1
WATER COLOR	3	I2	Water color, Forel-Ule scale (Table 1)
TRANS	5	I2	Water transparency in meters
WAVE DIR	7	I2	Wave direction in 36 points, Calm: 00

HEADER-2 (continued)

Element Name	Start of Position	Field Type	Description of Field
WAVE H/A	9	A1	H: Wave height, A: Sea state
H/A CODE	10	I1	Wave height, WMO Code 1555 (Table 2) or Sea State, WMO Code 3700 (Table 3)
P	11	I1	Wave period, WMO Code 3155 (Table 4)
WIND DIR	12	I2	Same as wave direction
S/F	14	A1	S: Wind speed, F: Wind force
S/F CODE	15	I2	Wind speed in knots, Wind force in Beaufort scale (Table 5)
BAR	17	I3	Barometric pressure in millibars, tens to tenths only
AIR TEMP DRY	20,21	A1, I3	Dry-bulb temperature sign indicator and value(°C) to tenths
WET	24,25	A1, I3	Wet-bulb temperature sign indicator and value(°C) to tenths
WEATHER	28,29	A1, I1, or I2	Present weather, WMO Code 4501 (Table 6) or WMO Code 4677
CLOUD TYPE	30	I1	Cloud type, WMO Code 0500 (Table 7)
AMOUNT	31	I1	Cloud amount, WMO Code 2700 (Table 8)
VIS	32	I1	Visibility, WMO Code 4300 (Table 9)
NO. OF DETAIL OBS	33	I2	Number of observed depths
STANDARD	35	I2	Number of Standard depths
TOTAL	37	I3	Total number of levels (depths)
SQUARE KEY 10 DEG	40	I3	Marsden (10 degree) square number
5 DEG	43	I1	5 degree square number
1 DEG	44	I2	1 degree square number
30 MIN	46	I1	30 minute square number
15 MIN	47	I1	15 minute square number
6 MIN	48	I2	6 minute square number
SAL-ID	50	I1	Salinity identity number; 0: salinity 1: practical salinity 1978
PROJECT NAME	51	A1	Project name, I: IGOSS, J: JRK, K: KER, W: WESTPAC X: WESTPAC & KER

OBSERVATION DATA (Subsurface Observation)

Element Name	Start of Position	Field Type	Description of Field
RECORD TYPE, NEXT RECORD	1	2I1	Record type, always "3"; see above Header-1
DEPTH	3	I5	Observed depth in meters
TEMP	8,9	A1, I5	Temperature sign indicator(±) and value(°C) to hundredths, position 13 for QC flag of temperature value

## OBSERVATION DATA (continued)

Element Name	Start of Position	Field Type	Description of Field
			<u>Flag:</u> 0: Normal 1: Doubtful value by originator 2: Doubtful value by JODC 3: Neglected value for interpolation
SAL	14	I6	Salinity value to thousandths, position 19 for QC flag of salinity value
DO	20	I5	Dissolved oxygen in ml/L to hundredths, position 24 for QC flag of oxygen value
P	25	I4	Inorganic phosphate-phosphorus in $\mu\text{g-at./L}$ , position 28 for QC flag of P value
T-P	29	I4	Total phosphorus in $\mu\text{g-at./L}$ , position 32 for QC flag of T-P value
NO2-N	33	I4	Nitrite-nitrogen in $\mu\text{g-at./L}$ , position 36 for QC flag of NO2-N value
NO3-N	37	I4	Nitrate-nitrogen in $\mu\text{g-at./L}$ , position 40 for QC flag of NO3-N value
Si	41	I4	Reactive silicate-silicon in $\mu\text{g-at./L}$ , position 44 for QC flag of Si value
pH	45	I4	Hydrogen-ion concentration in situ, position 48 for QC flag of pH value
DEPTH-ID	53	I1	<u>Flag:</u> 0: Normal 1: Thermometric Depths

## STANDARD DATA (Interpolated and Calculated Values at Standard Depths)

Element Name	Start of Position	Field Type	Description of Field
RECORD TYPE,NEXT RECORD	1	2I1	Record type, always "6" ; see above Header-1
DEPTH,TEMP,SAL,DO	3	I5, 2I6, I5	Same as observation data
SIG-T	25	I5	Density ( $\sigma_t$ ), $\sigma_t = \rho(s,t,0)-1000$ ( $\text{kg/m}^3$ ), position 29 for QC
D-T	30	I6	Thermosteric anomaly $\delta_T$ in $10^{-8}\text{m}^3/\text{kg}$ , position 35 for QC
SVA	36	I6	Specific volume anomaly $\delta$ in $10^{-8}\text{m}^3/\text{kg}$ , position 41 for QC
D-DY	42	I5	Dynamic depth anomaly in dynamic meters ( $10\text{ m}^2/\text{s}^2$ ), position 46 for QC flag of D-DY value
VEL	47	I5	Sound velocity = $V_T - 1000$ (m/s), position 51 for QC flag

# ADDITIONAL DATA

Element Name	Start of Position	Field Type	Description of Field																																																			
RECORD TYPE,NEXT RECORD	1	2I1	Record type, always "4"; see above Header-1																																																			
DEPTH	3	I5	Observed depth in meters (e.g. 950m =00950)																																																			
ADDITIONAL DATA			These records are used for the following observation data as reported by originators:																																																			
			<table><tr><th>ITEM-ID</th><th>ITEM NAME</th><th>UNITS</th></tr><tr><td>11</td><td>COD</td><td>ppm, mg/L</td></tr><tr><td>12</td><td>BOD</td><td>ppm, mg/L</td></tr><tr><td>13</td><td>NH<sup>4</sup>-N</td><td>μg-at./L</td></tr><tr><td>14</td><td>Chl.a</td><td>μg-at./L</td></tr><tr><td>15</td><td>Alkali</td><td>meq/L</td></tr><tr><td>16</td><td>Pheao</td><td>μg/L</td></tr><tr><td>17</td><td>Total-N</td><td>μg-at./L</td></tr><tr><td>18</td><td>TOC</td><td>ppm</td></tr><tr><td>19</td><td>HC</td><td>ppb, μg.chr/kg</td></tr><tr><td>20</td><td>SS</td><td>ppm</td></tr><tr><td>21</td><td>PCB</td><td>ppt</td></tr><tr><td>22</td><td>A<sub>3</sub></td><td>ppb, μg/kg</td></tr><tr><td>23</td><td>P<sub>b</sub></td><td>ppb, μg/kg</td></tr><tr><td>24</td><td>H<sub>g</sub></td><td>ppb, μg/kg</td></tr><tr><td>25</td><td>Total-H<sub>g</sub></td><td>ppb, μg/kg</td></tr><tr><td>26</td><td>C<sub>d</sub></td><td>ppb, μg/kg</td></tr></table>	ITEM-ID	ITEM NAME	UNITS	11	COD	ppm, mg/L	12	BOD	ppm, mg/L	13	NH <sup>4</sup> -N	μg-at./L	14	Chl.a	μg-at./L	15	Alkali	meq/L	16	Pheao	μg/L	17	Total-N	μg-at./L	18	TOC	ppm	19	HC	ppb, μg.chr/kg	20	SS	ppm	21	PCB	ppt	22	A <sub>3</sub>	ppb, μg/kg	23	P <sub>b</sub>	ppb, μg/kg	24	H <sub>g</sub>	ppb, μg/kg	25	Total-H <sub>g</sub>	ppb, μg/kg	26	C <sub>d</sub>	ppb, μg/kg
ITEM-ID	ITEM NAME	UNITS																																																				
11	COD	ppm, mg/L																																																				
12	BOD	ppm, mg/L																																																				
13	NH <sup>4</sup> -N	μg-at./L																																																				
14	Chl.a	μg-at./L																																																				
15	Alkali	meq/L																																																				
16	Pheao	μg/L																																																				
17	Total-N	μg-at./L																																																				
18	TOC	ppm																																																				
19	HC	ppb, μg.chr/kg																																																				
20	SS	ppm																																																				
21	PCB	ppt																																																				
22	A <sub>3</sub>	ppb, μg/kg																																																				
23	P <sub>b</sub>	ppb, μg/kg																																																				
24	H <sub>g</sub>	ppb, μg/kg																																																				
25	Total-H <sub>g</sub>	ppb, μg/kg																																																				
26	C <sub>d</sub>	ppb, μg/kg																																																				
ITEM-ID	8	I2	See above additional data field																																																			
ITEM	10	I5	Each additional data value which corresponds with ITEM-ID																																																			
EXP	15	I1	Exponential of additional data value(e.g. ITEM/10 <sup>exp</sup> )																																																			
FLAG	16	I1	Quality control flags of additional observation data are as follows: 0: Normal 1: Doubtful value by the originator 2: Doubtful value by the JODC 3: Neglected value for interpolation 5: Infra-red for Hydrocarbon (HC) only 6: Fluorescence for Hydrocarbon (HC) only																																																			
DEPTH-ID	53	I1	Same as depth identity field of observed data record																																																			

(2) Calculation and Interpolation for Serial Station Data (SD)

(1) Standard depth interpolation

Standard depths (in meters) for which JODC interpolates are:

0	125	600	2500	6000
10	150	700	3000	6500
20	200	800	3500	7000
30	250	1000	4000	7500
50	300	1200	4500	8000
75	400	1500	5000	8500
100	500	2000	5500	9000

The following computation formulas are used to interpolate the temperature, salinity (practical salinity) and dissolved oxygen at standard depths:

- a) if more than 4-points; by Akima's method\*
- b) if less than 3-points; by linear interpolation

(ii) Computation from interpolated values

There is a choice of two kinds of computation for the different salinity scale reported by the originator.

- a) For old salinity scale reported, applied the old equation of state of seawater
- b) For practical salinity scale reported, applied "the new International Equation of State of Seawater, 1980"

\* H.Akima: A new method of interpolation and smooth curve fitting based on local procedures.  
Journal of the Association for Computing Machinery, Vol.17, No. 4, 1970

2. Salinity/Temperature/Depth(STD) & Conductivity/Temperature/Depth(CTD) Data

Corresponding to the explanation of Serial Station Data(SD)

## BATHYTHERMOGRAPH DATA

[illegible]

### CURRENT MEASUREMENT DATA

[illegible]

ITEM    Δ.0 → GEX  
          1 → Drift  
          2 → Doppler

[illegible]



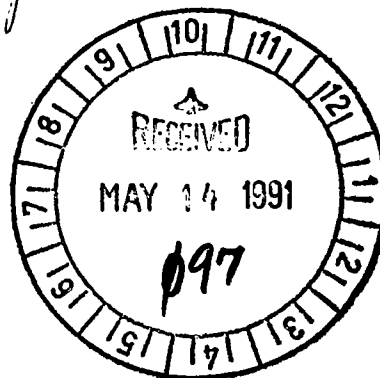


U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration

To : NODC

From: NODC

This tape was sent to us  
by mistake. Somebody here  
signed the "Rec'd by" box  
before they realized the tape  
wasn't ours - sorry.



4,877 OBS.

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100090	045684	C125		4901	49AQ	AM8901	01/18/89	01/18/89	4	4
9100090	045685	C125		4901	49AQ	AM8902	02/23/89	02/23/89	4	4
9100090	045686	C125		4901	49AQ	AM8903	03/22/89	03/26/89	8	8
9100090	045687	C125		4901	49AQ	AM8905	04/11/89	04/12/89	8	8
9100090	045688	C125		4901	49AQ	AM8907	05/20/89	05/21/89	8	8
9100090	045689	C125		4901	49AQ	AM8909	06/20/89	06/21/89	8	8
9100090	045690	C125		4901	49AQ	AM8911	07/07/89	07/08/89	8	8
9100090	045691	C125		4901	49AQ	AM8913	10/12/89	10/13/89	8	8
9100090	045692	C125		4901	49AQ	AM8915	11/07/89	11/08/89	8	8
9100090	045693	C125		4901	49AQ	AM8917	12/10/89	12/10/89	4	4
9100090	045694	C125		4901	49US		06/08/89	06/30/89	36	36
9100090	045695	C125		4901	49AX	AW8903	01/17/89	01/20/89	29	29
9100090	045696	C125		4901	49DK	BU8901	01/21/89	01/21/89	8	8
9100090	045697	C125		4901	49DK	BU8902	05/13/89	05/13/89	4	4
9100090	045698	C125		4901	49DK	BU8903	06/15/89	06/15/89	3	3
9100090	045699	C125		4901	49DK	BU8904	06/28/89	06/28/89	9	9
9100090	045700	C125		4901	49DK	BU8905	08/22/89	08/23/89	28	28
9100090	045701	C125		4901	49C4	CO8901	01/09/89	01/09/89	9	9
9100090	045702	C125		4901	49C4	CO8902	02/08/89	02/08/89	9	9
9100090	045703	C125		4901	49C4	CO8903	02/21/89	03/05/89	18	18
9100090	045704	C125		4901	49C4	CO8905	04/04/89	04/04/89	4	4
9100090	045705	C125		4901	49C4	CO8906	06/06/89	06/15/89	9	9
9100090	045706	C125		4901	49C4	CO8907	08/10/89	08/12/89	44	44
9100090	045707	C125		4901	49C4	CO8908	10/19/89	10/19/89	9	9
9100090	045708	C125		4901	49C4	CO8909	11/06/89	11/06/89	8	8
9100090	045709	C125		4901	49C4	CO8910	12/13/89	12/13/89	8	8
9100090	045710	C125		4901	49UC	DK8909	11/10/89	11/12/89	37	37
9100090	045711	C125		4901	49BT	EC8901	03/06/89	03/06/89	5	5
9100090	045712	C125		4901	49GI	EU8901	01/15/89	01/15/89	7	7
9100090	045713	C125		4901	49GI	EU8902	03/13/89	03/13/89	7	7
9100090	045714	C125		4901	49GI	EU8903	04/30/89	04/30/89	7	7
9100090	045715	C125		4901	49GI	EU8904	06/12/89	06/12/89	5	5
9100090	045716	C125		4901	49GI	EU8906	07/20/89	07/20/89	8	8
9100090	045717	C125		4901	49GI	EU8907	07/31/89	07/31/89	7	7
9100090	045718	C125		4901	49GI	EU8910	10/21/89	10/21/89	7	7
9100090	045719	C125		4901	49ED	EY8902	07/17/89	07/20/89	29	29
9100090	045720	C125		4901	49GP	GE8901	02/12/89	02/13/89	5	5
9100090	045721	C125		4901	49GP	GE8902	05/04/89	05/05/89	6	6
9100090	045722	C125		4901	49GP	GE8903	11/03/89	11/04/89	5	5
9100090	045723	C125		4901	49GP	GE8904	12/28/89	12/28/89	3	3
9100090	045724	C125		4901	49GH	GM8901	02/22/89	02/23/89	3	3
9100090	045725	C125		4901	49GH	GM8902	06/11/89	06/11/89	5	5
9100090	045726	C125		4901	49GH	GM8903	06/24/89	06/25/89	5	5
9100090	045727	C125		4901	49GH	GM8904	11/01/89	11/09/89	7	7
9100090	045728	C125		4901	49GH	GM8906	11/20/89	11/20/89	4	4
9100090	045729	C125		4901	49GH	GM8907	12/02/89	12/03/89	4	4
9100090	045730	C125		4901	49GH	GM8908	12/21/89	12/22/89	3	3
9100090	045731	C125		4901	49ID	IU8901	01/16/89	01/16/89	3	3
9100090	045732	C125		4901	49ID	IU8902	04/22/89	04/22/89	2	2
9100090	045733	C125		4901	49ID	IU8903	06/10/89	06/10/89	3	3

9100090	045734	C125	4901	49ID	IU8904	08/12/89	08/12/89	3	3
9100090	045735	C125	4901	49ID	IU8905	09/10/89	09/10/89	3	3
9100090	045736	C125	4901	49ID	IU8906	11/09/89	11/09/89	2	2
9100090	045737	C125	4901	49IF	IW8901	03/19/89	03/22/89	10	10
9100090	045738	C125	4901	49IF	IW8902	05/25/89	05/25/89	1	1
9100090	045739	C125	4901	49IF	IW8902	06/25/89	06/25/89	4	4
9100090	045740	C125	4901	49IF	IW8903	08/24/89	08/27/89	40	40
9100090	045741	C125	4901	49K6		12/04/80	02/08/81	226	226
9100090	045742	C125	4901	49BE		02/09/89	02/12/89	21	21
9100090	045743	C125	4901	49BE		04/07/89	04/14/89	21	21
9100090	045744	C125	4901	49BE		04/26/89	04/27/89	11	11
9100090	045745	C125	4901	49BE		05/08/89	05/13/89	30	30
9100090	045746	C125	4901	49BE		07/15/89	07/16/89	11	11
9100090	045747	C125	4901	49BE		09/27/89	10/02/89	45	45
9100090	045748	C125	4901	49BE		10/13/89	10/15/89	11	11
9100090	045749	C125	4901	49BE		11/06/89	11/07/89	3	3
9100090	045750	C125	4901	49BE		12/03/89	12/05/89	18	18
9100090	045751	C125	4901	49FA	KF8901	01/20/89	02/19/89	22	22
9100090	045752	C125	4901	49FA	KF8902	03/10/89	03/10/89	3	3
9100090	045753	C125	4901	49FA	KF8903	04/22/89	04/22/89	1	1
9100090	045754	C125	4901	49FA	KF8904	06/02/89	06/25/89	33	33
9100090	045755	C125	4901	49FA	KF8905	07/08/89	07/22/89	12	12
9100090	045756	C125	4901	49FA	KF8906	08/23/89	10/02/89	39	39
9100090	045757	C125	4901	49FA	KF8907	10/21/89	11/24/89	53	53
9100090	045758	C125	4901	49KQ	KH8901	01/30/89	01/30/89	4	4
9100090	045759	C125	4901	49KQ	KH8902	06/03/89	06/15/89	27	27
9100090	045760	C125	4901	492C	KO8902	02/10/89	02/14/89	21	21
9100090	045761	C125	4901	492C	KO8902	02/26/89	03/07/89	19	19
9100090	045762	C125	4901	492C	KO8904	04/27/89	05/08/89	30	30
9100090	045763	C125	4901	492C	KO8908	08/13/89	08/30/89	23	23
9100090	045764	C125	4901	492C	KO8910	10/11/89	10/27/89	16	16
9100090	045765	C125	4901	492C	KO8911	11/21/89	11/23/89	17	17
9100090	045766	C125	4901	49C5	KS8901	01/25/89	01/26/89	4	4
9100090	045767	C125	4901	49C5	KS8902	03/16/89	03/16/89	4	4
9100090	045768	C125	4901	49C5	KS8903	07/20/89	07/21/89	8	8
9100090	045769	C125	4901	49C5	KS8904	09/06/89	09/07/89	9	9
9100090	045770	C125	4901	49GK	KW8904	11/18/89	11/19/89	5	5
9100090	045771	C125	4901	49CY	KY8901	06/26/89	06/26/89	10	10
9100090	045772	C125	4901	49ML	MA8901	09/23/89	09/24/89	11	11
9100090	045773	C125	4901	49MW	MC8901	01/31/89	01/31/89	11	11
9100090	045774	C125	4901	49MW	MC8902	04/26/89	04/26/89	5	5
9100090	045775	C125	4901	49MW	MC8903	07/08/89	07/08/89	10	10
9100090	045776	C125	4901	49MW	MC8904	11/06/89	11/11/89	54	54
9100090	045777	C125	4901	49GQ		01/13/89	01/22/89	53	53
9100090	045778	C125	4901	49GQ	ME8901	11/02/89	11/02/89	6	6
9100090	045779	C125	4901	49MV	MN8901	01/16/89	01/16/89	4	4
9100090	045780	C125	4901	49MV	MN8902	04/05/89	04/05/89	3	3
9100090	045781	C125	4901	49MV	MN8903	06/02/89	06/02/89	4	4
9100090	045782	C125	4901	49TU	NC8901	01/23/89	01/23/89	4	4
9100090	045783	C125	4901	49TU	NC8901	02/05/89	02/05/89	4	4
9100090	045784	C125	4901	49TU	NC8904	04/25/89	05/04/89	9	9
9100090	045785	C125	4901	49TU	NC8906	06/19/89	07/11/89	17	17
9100090	045786	C125	4901	49TU	NC8907	07/25/89	08/05/89	11	11
9100090	045787	C125	4901	49TU	NC8907	08/20/89	08/21/89	5	5
9100090	045788	C125	4901	49TU	NC8910	10/05/89	10/05/89	1	1

9100090	045789	C125	4901	49TU	NC8910	10/16/89	10/17/89	8	8
9100090	045790	C125	4901	49TU	NC8911	11/18/89	11/22/89	24	24
9100090	045791	C125	4901	49TU	NC8912	12/06/89	12/10/89	26	26
9100090	045792	C125	4901	49BX	NE8901	05/08/89	05/09/89	32	32
9100090	045793	C125	4901	49BX	NE8903	08/25/89	08/29/89	38	38
9100090	045794	C125	4901	49BX	NE8904	11/24/89	11/26/89	32	32
9100090	045795	C125	4901	49HO		02/04/87	02/15/87	17	17
9100090	045796	C125	4901	49HO		06/30/87	06/30/87	2	2
9100090	045797	C125	4901	49HO		07/22/87	07/22/87	1	1
9100090	045798	C125	4901	49HO		08/07/87	08/07/87	2	2
9100090	045799	C125	4901	49HO		01/10/88	01/21/88	28	28
9100090	045800	C125	4901	49HO		02/01/88	02/02/88	3	3
9100090	045801	C125	4901	49HO		06/05/88	06/05/88	2	2
9100090	045802	C125	4901	49HO		06/27/88	06/28/88	3	3
9100090	045803	C125	4901	49HO		07/20/88	08/03/88	9	9
9100090	045804	C125	4901	49OB	OI8901	01/05/89	01/11/89	5	5
9100090	045805	C125	4901	49OB	OI8903	01/30/89	01/30/89	6	6
9100090	045806	C125	4901	49OB	OI8904	05/05/89	05/06/89	5	5
9100090	045807	C125	4901	49OB	OI8907	06/15/89	06/16/89	2	2
9100090	045808	C125	4901	49OB	OI8908	06/27/89	06/28/89	2	2
9100090	045809	C125	4901	49OB	OI8910	09/03/89	09/04/89	3	3
9100090	045810	C125	4901	49OB	OI8911	12/03/89	12/03/89	5	5
9100090	045811	C125	4901	49OB	OI8912	12/16/89	12/16/89	1	1
9100090	045812	C125	4901	49OJ	OJ8901	01/05/89	01/06/89	10	10
9100090	045813	C125	4901	49OJ	OJ8902	03/06/89	03/06/89	13	13
9100090	045814	C125	4901	49OJ	OJ8903	06/14/89	06/17/89	45	45
9100090	045815	C125	4901	49OS	OS8902	06/06/89	06/07/89	16	16
9100090	045816	C125	4901	49NO	OT8901	04/13/89	04/14/89	12	12
9100090	045817	C125	4901	49NO	OT8902	05/28/89	06/04/89	12	12
9100090	045818	C125	4901	49NO	OT8903	07/21/89	07/29/89	14	14
9100090	045819	C125	4901	49NO	OT8904	08/11/89	08/16/89	43	43
9100090	045820	C125	4901	49NO	OT8905	09/12/89	09/20/89	14	14
9100090	045821	C125	4901	49NO	OT8906	11/15/89	11/20/89	13	13
9100090	045822	C125	4901	49SB	OY8901	01/20/89	01/27/89	41	41
9100090	045823	C125	4901	49RY	RY8901	01/30/89	02/21/89	42	42
9100090	045824	C125	4901	49RY	RY8903	03/06/89	03/10/89	18	18
9100090	045825	C125	4901	49RY	RY8904	04/20/89	05/05/89	21	21
9100090	045826	C125	4901	49RY	RY8906	06/10/89	06/13/89	6	6
9100090	045827	C125	4901	49RY	RY8906	07/02/89	07/18/89	21	21
9100090	045828	C125	4901	49RY	RY8909	09/13/89	09/19/89	19	19
9100090	045829	C125	4901	49RY	RY8910	10/06/89	10/16/89	11	11
9100090	045830	C125	4901	49RY	RY8910	10/31/89	11/04/89	15	15
9100090	045831	C125	4901	49RY	RY8911	12/08/89	12/16/89	13	13
9100090	045832	C125	4901	49C8	S18901	02/07/89	02/08/89	4	4
9100090	045833	C125	4901	49C8	S18902	02/27/89	02/28/89	4	4
9100090	045834	C125	4901	49C8	S18904	05/22/89	05/22/89	4	4
9100090	045835	C125	4901	49C8	S18905	06/25/89	07/01/89	31	31
9100090	045836	C125	4901	49C8	S18909	08/20/89	08/20/89	4	4
9100090	045837	C125	4901	49C8	S18910	10/25/89	11/10/89	60	60
9100090	045838	C125	4901	49C8	S18913	11/22/89	12/23/89	81	81
9100090	045839	C125	4901	49ST	SA8903	03/13/89	03/15/89	23	23
9100090	045840	C125	4901	49ST	SA8907	09/02/89	09/04/89	23	23
9100090	045841	C125	4901	49ST	SA8908	11/13/89	11/15/89	16	16
9100090	045842	C125	4901	49SR	SC8901	04/21/89	04/21/89	11	11
9100090	045843	C125	4901	49GR	SG8905	03/18/89	03/19/89	2	2

9100090	045844	C125	4901	49GR	SG8908	04/12/89	04/14/89	4	4
9100090	045845	C125	4901	49GR	SG8912	05/02/89	05/03/89	4	4
9100090	045846	C125	4901	49GR	SG8914	05/22/89	05/23/89	4	4
9100090	045847	C125	4901	49GR	SG8917	06/08/89	06/18/89	6	6
9100090	045848	C125	4901	49GR	SG8920	07/09/89	07/10/89	5	5
9100090	045849	C125	4901	49GR	SG8926	08/16/89	08/28/89	6	6
9100090	045850	C125	4901	49GR	SG8930	09/08/89	09/10/89	5	5
9100090	045851	C125	4901	49GR	SG8932	09/29/89	10/02/89	4	4
9100090	045852	C125	4901	49GR	SG8934	10/15/89	10/15/89	2	2
9100090	045853	C125	4901	49GR	SG8936	12/13/89	12/15/89	4	4
9100090	045854	C125	4901	49SU	SH8902	02/07/89	02/28/89	54	54
9100090	045855	C125	4901	49SU	SH8904	04/20/89	04/21/89	10	10
9100090	045856	C125	4901	49SU	SH8904	05/02/89	05/16/89	51	51
9100090	045857	C125	4901	49SU	SH8907	07/04/89	07/24/89	63	63
9100090	045858	C125	4901	49SU	SH8908	08/29/89	09/05/89	42	42
9100090	045859	C125	4901	49SU	SH8909	09/26/89	10/26/89	70	70
9100090	045860	C125	4901	49SU	SH8911	11/08/89	11/21/89	40	40
9100090	045861	C125	4901	49SH	SI8902	02/12/89	02/13/89	7	7
9100090	045862	C125	4901	49SH	SI8905	05/11/89	05/22/89	23	23
9100090	045863	C125	4901	49SH	SI8909	10/11/89	10/20/89	21	21
9100090	045864	C125	4901	49SH	SI8911	11/17/89	11/21/89	18	18
9100090	045865	C125	4901	49C7	SV8901	01/10/89	01/10/89	4	4
9100090	045866	C125	4901	49C7	SV8902	05/31/89	05/31/89	4	4
9100090	045867	C125	4901	49C7	SV8903	08/19/89	08/19/89	9	9
9100090	045868	C125	4901	49C7	SV8904	10/19/89	10/19/89	9	9
9100090	045869	C125	4901	49C7	SV8905	12/09/89	12/09/89	4	4
9100090	045870	C125	4901	49GM	SW8901	01/02/89	01/03/89	6	6
9100090	045871	C125	4901	49GM	SW8903	02/10/89	02/11/89	6	6
9100090	045872	C125	4901	49GM	SW8905	03/26/89	03/26/89	6	6
9100090	045873	C125	4901	49GM	SW8907	04/06/89	04/07/89	6	6
9100090	045874	C125	4901	49GM	SW8909	04/28/89	04/30/89	6	6
9100090	045875	C125	4901	49GM	SW8911	05/31/89	06/01/89	6	6
9100090	045876	C125	4901	49GM	SW8913	07/18/89	07/19/89	6	6
9100090	045877	C125	4901	49GM	SW8915	09/04/89	09/05/89	6	6
9100090	045878	C125	4901	49GM	SW8917	10/01/89	10/02/89	6	6
9100090	045879	C125	4901	49GM	SW8919	11/09/89	11/09/89	6	6
9100090	045880	C125	4901	49GM	SW8921	12/04/89	12/04/89	6	6
9100090	045881	C125	4901	49TK		01/07/89	01/08/89	11	11
9100090	045882	C125	4901	49TK		01/25/89	01/26/89	8	8
9100090	045883	C125	4901	49TK		02/07/89	03/13/89	171	171
9100090	045884	C125	4901	49TK		04/13/89	04/13/89	2	2
9100090	045885	C125	4901	49TK		04/25/89	04/25/89	1	1
9100090	045886	C125	4901	49TK		05/19/89	05/20/89	6	6
9100090	045887	C125	4901	49TK		06/23/89	06/24/89	8	8
9100090	045888	C125	4901	49TK		07/15/89	07/26/89	11	11
9100090	045889	C125	4901	49TK		09/27/89	10/01/89	14	14
9100090	045890	C125	4901	49TK		10/15/89	10/15/89	7	7
9100090	045891	C125	4901	49TK		10/26/89	11/01/89	22	22
9100090	045892	C125	4901	49TK		11/12/89	11/12/89	6	6
9100090	045893	C125	4901	49TK		11/28/89	11/29/89	8	8
9100090	045894	C125	4901	49TK		12/18/89	12/19/89	10	10
9100090	045895	C125	4901	49PX	TE8901	09/16/89	09/16/89	13	13
9100090	045896	C125	4901	49ET		01/12/89	01/13/89	6	6
9100090	045897	C125	4901	49ET		02/11/89	02/12/89	17	17
9100090	045898	C125	4901	49ET		03/02/89	03/14/89	8	8

9100090	045899	C125	4901	49ET	04/20/89	04/20/89	1	1
9100090	045900	C125	4901	49ET	05/07/89	05/07/89	1	1
9100090	045901	C125	4901	49ET	05/24/89	05/24/89	2	2
9100090	045902	C125	4901	49ET	06/07/89	06/07/89	3	3
9100090	045903	C125	4901	49ET	06/23/89	07/02/89	17	17
9100090	045904	C125	4901	49ET	07/21/89	07/23/89	16	16
9100090	045905	C125	4901	49ET	08/18/89	08/18/89	2	2
9100090	045906	C125	4901	49ET	10/23/89	11/10/89	28	28
9100090	045907	C125	4901	49AU UK8901	02/06/89	02/06/89	4	4
9100090	045908	C125	4901	49AU UK8902	06/17/89	06/17/89	4	4
9100090	045909	C125	4901	49AU UK8903	08/07/89	08/07/89	3	3
9100090	045910	C125	4901	49AU UK8904	10/07/89	10/07/89	4	4
9100090	045911	C125	4901	49AU UK8905	11/27/89	11/27/89	4	4
9100090	045912	C125	4901	49WA	05/26/89	05/30/89	6	6
9100090	045913	C125	4901	49BZ WS8901	04/03/89	04/03/89	3	3
9100090	045914	C125	4901	49BZ WS8902	05/05/89	05/06/89	3	3
9100090	045915	C125	4901	49BZ WS8903	05/18/89	05/18/89	3	3
9100090	045916	C125	4901	49BZ WS8904	06/01/89	06/01/89	3	3
9100090	045917	C125	4901	49BZ WS8905	07/03/89	07/03/89	3	3
9100090	045918	C125	4901	49BZ WS8906	08/03/89	08/03/89	3	3
9100090	045919	C125	4901	49BZ WS8907	08/25/89	08/25/89	3	3
9100090	045920	C125	4901	49BZ WS8908	10/10/89	10/10/89	3	3
9100090	045921	C125	4901	49YJ YC8901	02/09/89	02/09/89	7	7
9100090	045922	C125	4901	49YJ YC8902	03/11/89	03/17/89	40	40
9100090	045923	C125	4901	49YJ YC8904	04/07/89	04/09/89	21	21
9100090	045924	C125	4901	49YJ YC8905	04/22/89	05/01/89	9	9
9100090	045925	C125	4901	49YJ YC8906	05/18/89	05/22/89	50	50
9100090	045926	C125	4901	49YJ YC8907	06/15/89	06/15/89	6	6
9100090	045927	C125	4901	49YJ YC8908	08/16/89	08/22/89	12	12
9100090	045928	C125	4901	49YJ YC8909	10/04/89	10/09/89	12	12
9100090	045929	C125	4901	49YJ YC8910	11/07/89	11/12/89	44	44
9100090	045930	C125	4901	49SY	05/20/78	06/06/78	30	30
9100090	045931	C125	4901	49SY	10/12/81	10/16/81	10	10
9100090	045932	C125	4901	49SY	11/13/81	12/10/81	22	22
9100090	045933	C125	4901	49SY	05/23/82	06/25/82	129	129
9100090	045934	C125	4901	49SY	05/21/83	06/29/83	153	153
9100090	045935	C125	4901	49SY	10/17/83	10/26/83	36	36
9100090	045936	C125	4901	49SY	11/06/83	12/03/83	52	52
9100090	045937	C125	4901	49SY	05/18/84	06/25/84	150	150
9100090	045938	C125	4901	49SY	01/19/85	01/19/85	1	1
9100090	045939	C125	4901	49SY	02/24/85	03/04/85	17	17
9100090	045940	C125	4901	49YV YU8903	12/09/89	12/11/89	10	10
9100090	045941	C125	4901	492S	03/08/89	03/19/89	52	52
9100090	045942	C125	4901	492S	04/07/89	04/24/89	88	88
9100090	045943	C125	4901	492S	05/06/89	06/14/89	65	65
9100090	045944	C125	4901	492S	06/26/89	07/10/89	50	50
9100090	045945	C125	4901	492S	07/24/89	07/25/89	7	7
9100090	045946	C125	4901	492S	08/05/89	08/07/89	7	7
9100090	045947	C125	4901	492S	08/18/89	08/30/89	76	76
9100090	045948	C125	4901	492S	09/28/89	11/03/89	139	139
9100090	045949	C125	4901	492S	11/22/89	12/03/89	51	51
9100090	045950	C125	4901	49AC ZA8901	01/05/89	01/05/89	4	4
9100090	045951	C125	4901	49AC ZA8902	01/25/89	01/25/89	4	4
9100090	045952	C125	4901	49AC ZA8903	02/25/89	03/02/89	9	9
9100090	045953	C125	4901	49AC ZA8904	03/27/89	04/05/89	8	8

9100090	045954	C125	4901	49AC	ZA8907	06/09/89	06/09/89	4	4
9100090	045955	C125	4901	49AC	ZA8908	07/01/89	07/01/89	4	4
9100090	045956	C125	4901	49AC	ZA8909	08/31/89	09/01/89	8	8
9100090	045957	C125	4901	49AC	ZA8911	09/24/89	09/25/89	20	20
9100090	045958	C125	4901	49AC	ZA8912	10/26/89	10/26/89	4	4
9100090	045959	C125	4901	49AC	ZA8913	12/11/89	12/20/89	8	8
9100090	045960	C125	4901	49ZF	ZO8901	02/16/89	02/24/89	11	11
9100090	045961	C125	4901	49KU	ZR8901	07/16/89	07/18/89	19	19
9100090	045962	C125	4901	49BW	ZS8901	07/21/89	07/22/89	11	11

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ACCESSION NO. 9100090 FILETYPE C125 TRACK NO. 045684 - 45962 PROJECT IDENTIFICATION \_\_\_\_\_

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7-9-91	CMH	A01424	3	80	3200	11,313
DUPLICATE TAPE	7-9-91	C.M.H.	W18796	3	80	3200	11,313
REFORMATTED TAPE	9-25-91	R.P.S.	W13905 *	1	✓	✓	4,877
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:~~ \* LABEL = DNODC\* UBTOUT.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)



User Name <i>Cliff Hantley</i>	Phone # <i>673-5636</i>	Org/Task <i>EC-12008N3AH9</i>	Submit Date <i>07/03/91</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

- ☐ General Info    ☐ Communications    ☐ Equipment    ☐ Supplies  
☐ Software    ☐ Tape Library    ☒ Computer Operations  
☐ Other Specify \_\_\_\_\_ *1st 'W' tape*

Request/Problem Description:

*Tape A01424*  
*Copy 1st file only to a 'W' tape*  
*Please scan 'W' tape*

PART B

(For Operator Job Requests)

Operator Job Request Type

- ☐ Run BRBUOY procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run SELBUOY procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run BUOYSUM procedure    Name: \_\_\_\_\_    ☐ See attached list  
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS  
☒ Tape Scan  
☒ Tape to Tape Copy    Scan OUTPUT tape? ☒ yes ☐ no  
☐ Disk to Tape Copy    Scan OUTPUT tape? ☐ yes ☐ no  
☐ Tape to Disk Copy  
☐ Print    ☐ 80 column    ☐ 132 column    ☐ HEX    ☐ OCTAL    ☐ Character  
                     All files/records? ☐ yes ☐ no. see SPECIAL INSTRUCTIONS  
☐ Restore VAX file    Name: \_\_\_\_\_  
☐ OTHER - see SPECIAL INSTRUCTIONS

Special Operator Instructions:

*Please send 'W' tape to Asheville, N.C.*

JOB INPUT

Id#/Filename: *A01424(D01726)*

Medium: ☒ Tape    ☐ Disk    ☐ Diskette    ☐ Other Specify:  
 Code: ☒ ASCII    ☐ EBCDIC    ☐ Binary    ☐ Other Specify:

Tape Specs: ☐ 800    ☐ 1600    ☒ 6250    ☒ NL    ☐ SL

MAX Record Length: *53*    MAX Blocksize: *4240*

JOB OUTPUT

Id#/Filename: *W18795*

Medium: ☒ Tape    ☐ Disk    ☐ Diskette    ☐ Other Specify:

Code: ☒ ASCII    ☐ EBCDIC    ☐ Binary    ☐ Other Specify:

Tape Specs: ☐ 800    ☐ 1600    ☒ 6250    ☒ NL    ☐ SL

MAX Record Length: *53*    MAX Blocksize: *4240*

(OC3 Use Only)

JOB Number: *91070801* *92*  
 Completed By: \_\_\_\_\_

Date/Time Start: *7-9-91/10:30*  
 Date/Time Completed: *7-9-91/10:45*

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hartley	673-5636	EG12008N32119	07/13/91	AS, 11

## PART A

## Request/Problem Category

- ☐ General Info      ☐ Communications      ☐ Equipment      ☐ Supplies  
☐ Software      ☐ Tape Library      ☒ Computer Operations  
☐ Other Specify:

2nd 'W' tape

## Request/Problem Description:

Tape A01424

Copy files 2, 3, and 4 only to a 'W' tape

Please scan 'W' tape

## PART B

(For Operator Job Requests)

## Operator Job Request Type

- ☐ Run BRBUOY procedure Name: \_\_\_\_\_ ☐ See attached list  
☐ Run SELBUOY procedure Name: \_\_\_\_\_ ☐ See attached list  
☐ Run BUOYSUM procedure Name: \_\_\_\_\_ ☐ See attached list  
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS  
☒ Tape Scan  
☒ Tape to Tape Copy Scan OUTPUT tape? ☒ yes ☐ no  
☐ Disk to Tape Copy Scan OUTPUT tape? ☐ yes ☐ no  
☐ Tape to Disk Copy  
☐ Print ☐ 80 column ☐ 132 column ☐ HEX ☐ OCTAL ☐ Character  
 All files/records? ☐ yes ☐ no, see SPECIAL INSTRUCTIONS  
☐ Restore VAX file Name: \_\_\_\_\_  
☐ OTHER - see SPECIAL INSTRUCTIONS

## Special Operator Instructions:

Please send 'W' tape to Asheville, NC

## JOB INPUT

Id#/Filename: \_\_\_\_\_

A01424 (D01726)

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:  
 Code: ☒ ASCII ☒ EBCDIC ☐ Binary ☐ Other Specify:  
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 1500  
 MAX Record Length: \_\_\_\_\_ 80 \_\_\_\_\_ MAX Blocksize: \_\_\_\_\_ 3200 \_\_\_\_\_

## JOB OUTPUT

Id#/Filename: \_\_\_\_\_

W18796

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:  
 Code: ☒ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:  
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ 1500  
 MAX Record Length: \_\_\_\_\_ 80 \_\_\_\_\_ MAX Blocksize: \_\_\_\_\_ 3200 \_\_\_\_\_

(OC3 Use Only)

JOB Number: 91070802

Completed By: J.B.

Date/Time Start: 7-9-91/10:50

Date/Time Completed: 7-9-91/11:05

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hartley	673-5636	EGD-008U3/119	07/03/91	ASAP

## PART A

## Request/Problem Category

- ☐ General Info      ☐ Communications      ☐ Equipment      ☐ Supplies  
☐ Software      ☐ Tape Library      ☒ Computer Operations  
☐ Other Specify: 3rd 'W' tape

## Request/Problem Description:

Tape A01424  
 copy 5th file only to a 'W' tape  
 Please scan 'W' tape

## PART B

(For Operator Job Requests)

## Operator Job Request Type

- ☐ Run BRBUOY procedure      Name: \_\_\_\_\_      ☐ See attached list  
☐ Run SELBUOY procedure      Name: \_\_\_\_\_      ☐ See attached list  
☐ Run BUOYSUM procedure      Name: \_\_\_\_\_      ☐ See attached list  
☐ Run OTHER procedure - see SPECIAL INSTRUCTIONS  
☐ Tape Scan  
☒ Tape to Tape Copy      Scan OUTPUT tape? ☒ yes ☐ no  
☐ Disk to Tape Copy      Scan OUTPUT tape? ☐ yes ☐ no  
☐ Tape to Disk Copy  
☐ Print      ☐ 80 column      ☐ 132 column      ☐ HEX      ☐ OCTAL      ☐ Character  
                                  All files/records? ☐ yes ☐ no, see SPECIAL INSTRUCTIONS  
☐ Restore VAX file      Name: \_\_\_\_\_  
☐ OTHER - see SPECIAL INSTRUCTIONS

## Special Operator Instructions:

Please send 'W' tape to Asheville, N.C.

## JOB INPUT

ID#/Filename:

A01424(041724)

MEDIUM: ☒ TAPE      ☐ DISK      ☐ DISKETTE      ☐ OTHER Specify:  
 CODE: ☒ ASCII      ☒ EBCDIC      ☐ BINARY      ☐ OTHER Specify:  
 TAPE SPECS: ☐ 800      ☐ 1600      ☒ 6250      ☒ NL      ☐ SL  
 MAX Record Length: \_\_\_\_\_      MAX Blocksize: \_\_\_\_\_

## JOB OUTPUT

ID#/Filename:

W18797

Medium: ☒ Tape      ☐ Disk      ☐ Diskette      ☐ Other Specify:  
 Code: ☒ ASCII      ☒ EBCDIC      ☐ Binary      ☐ Other Specify:  
 Tape Specs: ☐ 800      ☐ 1600      ☒ 6250      ☒ NL      ☐ SL  
 MAX Record Length: \_\_\_\_\_      MAX Blocksize: \_\_\_\_\_

(OC3 Use Only)

JOB Number: 91070803

g.f.

Date/Time Start: 7-9-91/11:10

Date/Time Completed: 7-9-91/11:25

Completed By:

User Name <i>CLiff Hardy</i>	Phone # <i>673-5436</i>	Org/Task <i>EG12008A3/H49</i>	Submit Date <i>05/20/91</i>	Due Date <i>ASAP</i>
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### PART A

#### Request/Problem Category

- |                                         |                                         |                                                         |                                   |
|-----------------------------------------|-----------------------------------------|---------------------------------------------------------|-----------------------------------|
| <input type="checkbox"/> General Info   | <input type="checkbox"/> Communications | <input type="checkbox"/> Equipment                      | <input type="checkbox"/> Supplies |
| <input type="checkbox"/> Software       | <input type="checkbox"/> Tape Library   | <input checked="" type="checkbox"/> Computer Operations |                                   |
| <input type="checkbox"/> Other Specify: |                                         |                                                         |                                   |

#### Request/Problem Description:

*Please scan tape AΦ1424*

### PART B

(For Operator Job Requests)

#### Operator Job Request Type

- |                                                                                                                                                                                                      |                                                                            |                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------|
| <input type="checkbox"/> Run BRBUOY procedure                                                                                                                                                        | Name: _____                                                                | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run SELBUOY procedure                                                                                                                                                       | Name: _____                                                                | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run BUOYSUM procedure                                                                                                                                                       | Name: _____                                                                | <input type="checkbox"/> See attached list |
| <input type="checkbox"/> Run OTHER procedure - see SPECIAL INSTRUCTIONS                                                                                                                              |                                                                            |                                            |
| <input checked="" type="checkbox"/> Tape Scan                                                                                                                                                        |                                                                            |                                            |
| <input type="checkbox"/> Tape to Tape Copy                                                                                                                                                           | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no |                                            |
| <input type="checkbox"/> Disk to Tape Copy                                                                                                                                                           | Scan OUTPUT tape? <input type="checkbox"/> yes <input type="checkbox"/> no |                                            |
| <input type="checkbox"/> Tape to Disk Copy                                                                                                                                                           |                                                                            |                                            |
| <input type="checkbox"/> Print <input type="checkbox"/> 80 column <input type="checkbox"/> 132 column <input type="checkbox"/> HEX <input type="checkbox"/> OCTAL <input type="checkbox"/> Character |                                                                            |                                            |
| All files/records? <input type="checkbox"/> yes <input type="checkbox"/> no, see SPECIAL INSTRUCTIONS                                                                                                |                                                                            |                                            |
| <input type="checkbox"/> Restore VAX file                                                                                                                                                            | Name: _____                                                                |                                            |
| <input type="checkbox"/> OTHER - see SPECIAL INSTRUCTIONS                                                                                                                                            |                                                                            |                                            |

#### Special Operator Instructions:

*Please return tape AΦ1424 to Bin 09*

#### JOB INPUT

Id#/Filename: \_\_\_\_\_

*AΦ1424*

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:  
 Code: ☐ ASCII ☒ EBCDIC ☐ Binary ☐ Other Specify:  
 Tape Specs: ☐ 800 ☐ 1600 ☒ 6250 ☐ NL ☐ SL  
 MAX Record Length: \_\_\_\_\_ MAX Blocksize: \_\_\_\_\_

#### JOB OUTPUT

Id#/Filename: \_\_\_\_\_

Medium: ☒ Tape ☐ Disk ☐ Diskette ☐ Other Specify:  
 Code: ☐ ASCII ☐ EBCDIC ☐ Binary ☐ Other Specify:  
 Tape Specs: ☐ 800 ☐ 1600 ☐ 6250 ☐ NL ☐ SL  
 MAX Record Length: \_\_\_\_\_ MAX Blocksize: \_\_\_\_\_

(OC3 Use Only)

JOB Number: *91052102*

Completed By: \_\_\_\_\_

Date/Time Start: \_\_\_\_\_

Date/Time Completed: \_\_\_\_\_

*5-21-91/11:35*

*5-21-91/11:45*

Japan Oceanographic Data Center  
Hydrographic Department  
Maritime Safety Agency  
5-3-1, Tsukiji, Chuo-ku, Tokyo  
104 JAPAN

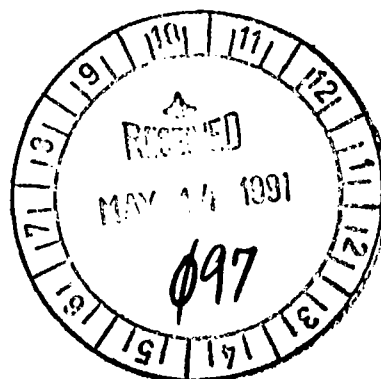
## TRANSMITTAL AND RECEIPT RECORD

( Please return signed acknowledgement copy )

To:  Director National Oceanographic Data Center, NOAA	Refer to: Data Exchange Agreement Between NODC and JODC
	Attention

The item listed below were forwarded to you by <input type="checkbox"/> Surface mail <input checked="" type="checkbox"/> Air mail	Description of parcels <input type="checkbox"/> Chest <input type="checkbox"/> Parcel <input checked="" type="checkbox"/> Cardboard box <input type="checkbox"/> Other	Number of parcels  1
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- a) Magnetic Tape 1 Reel  
Reel No DM900020 Containing Serial Oceanographic Station Data, XBT, DBT, MBT and Current Data (for 1990)
- b) Each File Dump List
- c) Each Magnetic Tape Specification
- d) Each File Format Description



Forwarded by (signature) Osamu Yamada <i>Osamu Yamada</i>	Title Director of Japan Oceanographic Data Center	Date forwarded
Received by (signature) <i>[Signature]</i>	Title	Date received 4-20-91

# MAGNETIC TAPE SPECIFICATION

DISSEMINATION NO. : 91-020 (A)

DATE :

REEL NUMBER : DM900020

CONTENTS : XBT, DBT, MBT, Current and Station Data (for 1990)

TRACKS : 9

DANSITY : 6250 BPI

TAPE LABEL : Non

RECORD LENGTH : 80 Bytes/Record for XBT, DBT and MBT Data  
: 84 Bytes/Record for Current Data *C107*  
: 53 Bytes/Record for Station Data *C100*

BLOCL SIZE : 40 Records/Block for XBT, DBT and MBT Data  
: 50 Records/Block for Current Data  
: 80 Records/Block for Station Data

RECORDING CORD : EBCDIC

MULTI-REEL FILE : No

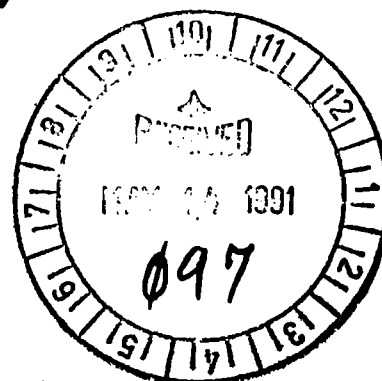
MULTI-FILE REEL : 5 FILES/REEL

NUMBER OF REEL : 1

SORTING SEQUENCE :

TO BE RETURNED : No

*# 9100090*



*A01424*

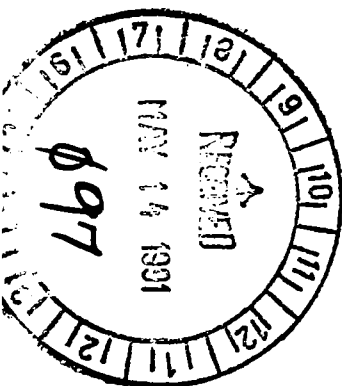
## LIST OF FILE NAMES

File Name	No. of Stn.
FIRST FILE : Station Data	3,866 Stations
SECOND FILE : XBT Data	4,018 Stations
THIRD FILE : DBT Data	861 Stations
FOURTH FILE : MBT Data	112 Stations
FIFTH FILE : Current Data	12,037 Stations
SIXTH FILE :	

## SERIAL STATION, STD &amp; CTD DATA

JOLDC 88

(Repeat as needed)



## EXPLANATION OF FILE FORMAT

### 1. Serial Station Data (SD)

#### (1) Record Description

##### HEADER-1(Surface Environmental Information)

Element Name	Start of position	Field Type	Description of Field
RECORD TYPE	1	I1	Record type; 1: Header-1 2: Header-2 3: Observation Data 4: Additional Data 6: Standard Data
NEXT RECORD	2	I1	Record identifier of next record
JODC CRUISE REF. NO.			JODC cruise reference number consists of: Country Code, Observation Year, Institution Code, Consecutive Cruise Number and Consecutive Station Number
COUNTRY CODE	3	A2	Originator's nationality(e.g. Japan= 49)
YEAR	5	I2	Last two digits of observation year
INSTITUTION CODE	7	A2	Institution code assigned by JODC (Table 10)
CONSECUTIVE CRUISE NO.	9	I2	JODC consecutive cruise number
CONSECUTIVE STATION NO.	11	I4	JODC consecutive station number
SHIP CODE	15	A2	JODC ship code (Table 11)
LAT.	17	I2, I3, A1	Degrees, minutes of latitude &/or tenths, N or S
LONG.	23	I3, I3, A1	Degrees, minutes of longitude &/or tenths, E or W
DATE			
YEAR	30	I3	Last two digits of year (e.g. 1987= 087)
MONTH, DAY	33	2I2	Month and day in GMT
TIME	37	I3	Hours and/ or tenths in GMT
STATION NO.	40	A7	Originator's station number, left justified
INSTRUMENT	47	A1	Instrument type; S: STD, C: CTD, Blank: SD
DEPTH TO BOTTOM	48	I4	Depth to bottom in meters

##### HEADER-2(Surface Environmental Information)

Element Name	Start of Position	Field Type	Description of Field
RECORD TYPE,NEXT RECORD	1	2I1	Record type, always "2" : see above Header-1
WATER COLOR	3	I2	Water color, Forel-Ule scale (Table 1)
TRANS	5	I2	Water transparency in meters
WAVE DIR	7	I2	Wave direction in 36 points, Calm: 00



HEADER-2 (continued)

Element Name		Start of Position	Field Type	Description of Field
WAVE	H/A	9	A1	H: Wave height, A: Sea state
	H/A CODE	10	I1	Wave height, WMO Code 1555 (Table 2) or Sea State, WMO Code 3700 (Table 3)
	P	11	I1	Wave period, WMO Code 3155 (Table 4)
WIND	DIR	12	I2	Same as wave direction
	S/F	14	A1	S: Wind speed, F: Wind force
	S/F CODE	15	I2	Wind speed in knots, Wind force in Beaufort scale (Table 5)
BAR		17	I3	Barometric pressure in millibars, tens to tenths only
AIR TEMP	DRY	20,21	A1, I3	Dry-bulb temperature sign indicator and value (°C) to tenths
	WET	24,25	A1, I3	Wet-bulb temperature sign indicator and value (°C) to tenths
WEATHER		28,29	A1, I1, or I2	Present weather, WMO Code 4501 (Table 6) or WMO Code 4677
CLOUD	TYPE	30	I1	Cloud type, WMO Code 0500 (Table 7)
	AMOUNT	31	I1	Cloud amount, WMO Code 2700 (Table 8)
VIS		32	I1	Visibility, WMO Code 4300 (Table 9)
NO. OF DETAIL	OBS	33	I2	Number of observed depths
	STANDARD	35	I2	Number of Standard depths
	TOTAL	37	I3	Total number of levels (depths)
SQUARE KEY	10 DEG	40	I3	Marsden (10 degree) square number
	5 DEG	43	I1	5 degree square number
	1 DEG	44	I2	1 degree square number
	30 MIN	46	I1	30 minute square number
	15 MIN	47	I1	15 minute square number
	6 MIN	48	I2	6 minute square number
SAL-ID		50	I1	Salinity identity number; 0: salinity 1: practical salinity 1978
PROJECT NAME		51	A1	Project name, I: IGOSS, J: JRK, K: KER, W: WESTPAC X: WESTPAC & KER

OBSERVATION DATA (Subsurface Observation)

Element Name		Start of Position	Field Type	Description of Field
RECORD TYPE, NEXT RECORD		1	2I1	Record type, always "3"; see above Header-1
DEPTH		3	I5	Observed depth in meters
TEMP		8,9	A1, I5	Temperature sign indicator (±) and value (°C) to hundredths, position 13 for QC flag of temperature value

## OBSERVATION DATA (continued)

Element Name	Start of Position	Field Type	Description of Field
			<u>Flag:</u> 0: Normal 1: Doubtful value by originator 2: Doubtful value by JODC 3: Neglected value for interpolation
SAL	14	I6	Salinity value to thousandths, position 19 for QC flag of salinity value
DO	20	I5	Dissolved oxygen in ml/L to hundredths, position 24 for QC flag of oxygen value
P	25	I4	Inorganic phosphate-phosphorus in $\mu\text{g-at./L}$ , position 28 for QC flag of P value
T-P	29	I4	Total phosphorus in $\mu\text{g-at./L}$ , position 32 for QC flag of T-P value
NO2-N	33	I4	Nitrite-nitrogen in $\mu\text{g-at./L}$ , position 36 for QC flag of NO2-N value
NO3-N	37	I4	Nitrate-nitrogen in $\mu\text{g-at./L}$ , position 40 for QC flag of NO3-N value
Si	41	I4	Reactive silicate-silicon in $\mu\text{g-at./L}$ , position 44 for QC flag of Si value
pH	45	I4	Hydrogen-ion concentration in situ, position 48 for QC flag of pH value
DEPTH-ID	53	I1	<u>Flag:</u> 0: Normal 1: Thermometric Depths

## STANDARD DATA (Interpolated and Calculated Values at Standard Depths)

Element Name	Start of Position	Field Type	Description of Field
RECORD TYPE,NEXT RECORD	1	2I1	Record type, always "6" ; see above Header-1
DEPTH,TEMP,SAL,DO	3	I5, 2I6, I5	Same as observation data
SIG-T	25	I5	Density ( $\sigma_t$ ), $\sigma_t = \rho(s,t,0)-1000$ ( $\text{kg/m}^3$ ), position 29 for QC
D-T	30	I6	Thermosteric anomaly $\delta_T$ in $10^{-8}\text{m}^3/\text{kg}$ , position 35 for QC
SVA	36	I6	Specific volume anomaly $\delta$ in $10^{-8}\text{m}^3/\text{kg}$ , position 41 for QC
D-DY	42	I5	Dynamic depth anomaly in dynamic meters ( $10\text{ m}^2/\text{s}^2$ ), position 46 for QC flag of D-DY value
VEL	47	I5	Sound velocity = $V_f - 1000$ (m/s), position 51 for QC flag

# ADDITIONAL DATA

Element Name	Start of Position	Field Type	Description of Field																																																			
RECORD TYPE,NEXT RECORD	1	2I1	Record type, always "4"; see above Header-1																																																			
DEPTH	3	I5	Observed depth in meters (e.g. 950m =00950)																																																			
ADDITIONAL DATA			These records are used for the following observation data as reported by originators:																																																			
			<table><tr><th>ITEM-ID</th><th>ITEM NAME</th><th>UNITS</th></tr><tr><td>11</td><td>COD</td><td>ppm, mg/L</td></tr><tr><td>12</td><td>BCD</td><td>ppm, mg/L</td></tr><tr><td>13</td><td>NH4-N</td><td>ug-at./L</td></tr><tr><td>14</td><td>Chl.a</td><td>ug-at./L</td></tr><tr><td>15</td><td>Alkali</td><td>meq/L</td></tr><tr><td>16</td><td>Pheao</td><td>ug/L</td></tr><tr><td>17</td><td>Total-N</td><td>ug-at./L</td></tr><tr><td>18</td><td>TOC</td><td>ppm</td></tr><tr><td>19</td><td>HC</td><td>ppb, ug.chr/kg</td></tr><tr><td>20</td><td>SS</td><td>ppm</td></tr><tr><td>21</td><td>PCB</td><td>ppt</td></tr><tr><td>22</td><td>A<sub>3</sub></td><td>ppb, ug/kg</td></tr><tr><td>23</td><td>P<sub>b</sub></td><td>ppb, ug/kg</td></tr><tr><td>24</td><td>H<sub>g</sub></td><td>ppb, ug/kg</td></tr><tr><td>25</td><td>Total-H<sub>g</sub></td><td>ppb, ug/kg</td></tr><tr><td>26</td><td>C<sub>d</sub></td><td>ppb, ug/kg</td></tr></table>	ITEM-ID	ITEM NAME	UNITS	11	COD	ppm, mg/L	12	BCD	ppm, mg/L	13	NH4-N	ug-at./L	14	Chl.a	ug-at./L	15	Alkali	meq/L	16	Pheao	ug/L	17	Total-N	ug-at./L	18	TOC	ppm	19	HC	ppb, ug.chr/kg	20	SS	ppm	21	PCB	ppt	22	A <sub>3</sub>	ppb, ug/kg	23	P <sub>b</sub>	ppb, ug/kg	24	H <sub>g</sub>	ppb, ug/kg	25	Total-H <sub>g</sub>	ppb, ug/kg	26	C <sub>d</sub>	ppb, ug/kg
ITEM-ID	ITEM NAME	UNITS																																																				
11	COD	ppm, mg/L																																																				
12	BCD	ppm, mg/L																																																				
13	NH4-N	ug-at./L																																																				
14	Chl.a	ug-at./L																																																				
15	Alkali	meq/L																																																				
16	Pheao	ug/L																																																				
17	Total-N	ug-at./L																																																				
18	TOC	ppm																																																				
19	HC	ppb, ug.chr/kg																																																				
20	SS	ppm																																																				
21	PCB	ppt																																																				
22	A <sub>3</sub>	ppb, ug/kg																																																				
23	P <sub>b</sub>	ppb, ug/kg																																																				
24	H <sub>g</sub>	ppb, ug/kg																																																				
25	Total-H <sub>g</sub>	ppb, ug/kg																																																				
26	C <sub>d</sub>	ppb, ug/kg																																																				
ITEM-ID	8	I2	See above additional data field																																																			
ITEM	10	I5	Each additional data value which corresponds with ITEM-ID																																																			
EXP	15	I1	Exponential of additional data value(e.g. ITEM/10 <sup>exp</sup> )																																																			
FLAG	16	I1	Quality control flags of additional observation data are as follows: 0: Normal 1: Doubtful value by the originator 2: Doubtful value by the JODC 3: Neglected value for interpolation 5: Infra-red for Hydrocarbon (HC) only 6: Fluorescence for Hydrocarbon (HC) only																																																			
DEPTH-ID	53	I1	Same as depth identity field of observed data record																																																			

(2) Calculation and Interpolation for Serial Station Data (SD)

(1) Standard depth interpolation

Standard depths (in meters) for which JODC interpolates are:

0	125	600	2500	6000
10	150	700	3000	6500
20	200	800	3500	7000
30	250	1000	4000	7500
50	300	1200	4500	8000
75	400	1500	5000	8500
100	500	2000	5500	9000

The following computation formulas are used to interpolate the temperature, salinity (practical salinity) and dissolved oxygen at standard depths:

- a) if more than 4-points; by Akima's method\*
- b) if less than 3-points; by linear interpolation

(ii) Computation from interpolated values

There is a choice of two kinds of computation for the different salinity scale reported by the originator.

- a) For old salinity scale reported, applied the old equation of state of seawater
- b) For practical salinity scale reported, applied "the new International Equation of State of Seawater, 1980"

\* H.Akima: A new method of interpolation and smooth curve fitting based on local procedures.  
Journal of the Association for Computing Machinery, Vol.17, No. 4, 1970

2. Salinity/Temperature/Depth(STD) & Conductivity/Temperature/Depth(CTD) Data

Corresponding to the explanation of Serial Station Data(SD)

## BATHYTHERMOGRAPH DATA

[illegible]

### CURRENT MEASUREMENT DATA

[illegible]

ITEM    Δ.0 → GEK  
          1 → Drift  
          2 → Doppler

1°	20	15	
61	62	63	64

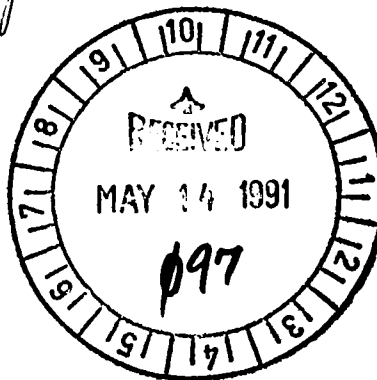


U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration

To : NODC

From: NGDC

This tape was sent to us  
by mistake. Somebody here  
signed the "Rec'd by" box  
before they realized the tape  
wasn't ours - sorry.



Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
-----	-----	-----	-----	-----	-----	-----	-----	-----
9100090	C125	045760	9999	4901	492C	1989/02/10	KO8902	198278
9100090	C125	045761	9999	4901	492C	1989/02/26	KO8902	198279
9100090	C125	045762	9999	4901	492C	1989/04/27	KO8904	198280
9100090	C125	045763	9999	4901	492C	1989/08/13	KO8908	198281
9100090	C125	045764	9999	4901	492C	1989/10/11	KO8910	198282
9100090	C125	045765	9999	4901	492C	1989/11/21	KO8911	198283
9100090	C100	494518	9999	4901	492C	1989/02/07	891202	198169
9100090	C100	494519	9999	4901	492C	1989/04/19	891204	198170
9100090	C100	494520	9999	4901	492C	1989/08/11	891208	198171
9100090	C100	494521	9999	4901	492C	1989/10/08	891210	198172
9100090	C100	494522	9999	4901	492C	1989/11/21	891211	198173
9100090	C100	494489	9999	4901	492S	1988/05/24	880018	198140
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9100090	C100	494504	9999	4901	492S	1989/08/18	890029	198155
9100090	C100	494505	9999	4901	492S	1989/10/10	890036	198156
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9100090	C125	045942	9999	4901	492S	1989/04/07	NULL	198460
9100090	C125	045943	9999	4901	492S	1989/05/06	NULL	198461
9100090	C125	045944	9999	4901	492S	1989/06/26	NULL	198462
9100090	C125	045945	9999	4901	492S	1989/07/24	NULL	198463
9100090	C125	045946	9999	4901	492S	1989/08/05	NULL	198464
9100090	C125	045947	9999	4901	492S	1989/08/18	NULL	198465
9100090	C125	045948	9999	4901	492S	1989/09/28	NULL	198466
9100090	C125	045949	9999	4901	492S	1989/11/22	NULL	198467
9100090	C100	494451	9999	4901	4999	1977/07/19	773807	198102
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9100090	C125	045951	9999	4901	49AC	1989/01/25	ZA8902	198469
9100090	C125	045952	9999	4901	49AC	1989/02/25	ZA8903	198470
9100090	C125	045953	9999	4901	49AC	1989/03/27	ZA8904	198471
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9100090	C125	045955	9999	4901	49AC	1989/07/01	ZA8908	198473
9100090	C125	045956	9999	4901	49AC	1989/08/31	ZA8909	198474
9100090	C125	045957	9999	4901	49AC	1989/09/24	ZA8911	198475
9100090	C125	045958	9999	4901	49AC	1989/10/26	ZA8912	198476
9100090	C125	045959	9999	4901	49AC	1989/12/11	ZA8913	198477
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9100090	C125	045687	9999	4901	49AQ	1989/04/11	AM8905	198205
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9100090	C125	045689	9999	4901	49AQ	1989/06/20	AM8909	198207
9100090	C125	045690	9999	4901	49AQ	1989/07/07	AM8911	198208
9100090	C125	045691	9999	4901	49AQ	1989/10/12	AM8913	198209
9100090	C125	045692	9999	4901	49AQ	1989/11/07	AM8915	198210
9100090	C125	045693	9999	4901	49AQ	1989/12/10	AM8917	198211
9100090	C125	045907	9999	4901	49AU	1989/02/06	UK8901	198425
9100090	C125	045908	9999	4901	49AU	1989/06/17	UK8902	198426
9100090	C125	045909	9999	4901	49AU	1989/08/07	UK8903	198427
9100090	C125	045910	9999	4901	49AU	1989/10/07	UK8904	198428
9100090	C125	045911	9999	4901	49AU	1989/11/27	UK8905	198429
9100090	C125	045695	9999	4901	49AX	1989/01/17	AW8903	198213
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9100090	C125	045749	9999	4901	49BE	1989/11/06	NULL	198267
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9100090	C125	045744	9999	4901	49BE	1989/04/26	NULL	198262
9100090	C125	045745	9999	4901	49BE	1989/05/08	NULL	198263
9100090	C125	045746	9999	4901	49BE	1989/07/15	NULL	198264
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9100090	C125	045962	9999	4901	49BW	1989/07/21	ZS8901	198480
9100090	C125	045792	9999	4901	49BX	1989/05/08	NE8901	198310
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9100090	C125	045794	9999	4901	49BX	1989/11/24	NE8904	198312
9100090	C125	045913	9999	4901	49BZ	1989/04/03	WS8901	198431
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9100090	C125	045915	9999	4901	49BZ	1989/05/18	WS8903	198433
9100090	C125	045916	9999	4901	49BZ	1989/06/01	WS8904	198434
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9100090	C125	045707	9999	4901	49C4	1989/10/19	CO8908	198225
9100090	C125	045708	9999	4901	49C4	1989/11/06	CO8909	198226
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9100090	C125	045838	9999	4901	49C8	1989/11/22	S18913	198356
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9100090	C125	045697	9999	4901	49DK	1989/05/13	BU8902	198215
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9100090	C125	045699	9999	4901	49DK	1989/06/28	BU8904	198217
9100090	C125	045700	9999	4901	49DK	1989/08/22	BU8905	198218
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9100090	C125	045897	9999	4901	49ET	1989/02/11	NULL	198415
9100090	C125	045898	9999	4901	49ET	1989/03/02	NULL	198416
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9100090	C125	045900	9999	4901	49ET	1989/05/07	NULL	198418
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9100090	C125	045903	9999	4901	49ET	1989/06/23	NULL	198421
9100090	C125	045904	9999	4901	49ET	1989/07/21	NULL	198422
9100090	C125	045905	9999	4901	49ET	1989/08/18	NULL	198423



9100090	C125	045906	9999	4901	49ET	1989/10/23	NULL	198424
9100090	C100	494442	9999	4901	49EW	1971/11/24	713811	198093
9100090	C100	494444	9999	4901	49EW	1972/07/22	723819	198095
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9100090	C125	045752	9999	4901	49FA	1989/03/10	KF8902	198270
9100090	C125	045753	9999	4901	49FA	1989/04/22	KF8903	198271
9100090	C125	045754	9999	4901	49FA	1989/06/02	KF8904	198272
9100090	C125	045755	9999	4901	49FA	1989/07/08	KF8905	198273
9100090	C125	045756	9999	4901	49FA	1989/08/23	KF8906	198274
9100090	C125	045757	9999	4901	49FA	1989/10/21	KF8907	198275
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9100090	C100	494515	9999	4901	49FA	1989/03/10	891115	198166
9100090	C100	494516	9999	4901	49FA	1989/06/03	891118	198167
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9100090	C125	045724	9999	4901	49GH	1989/02/22	GM8901	198242
9100090	C125	045725	9999	4901	49GH	1989/06/11	GM8902	198243
9100090	C125	045726	9999	4901	49GH	1989/06/24	GM8903	198244
9100090	C125	045727	9999	4901	49GH	1989/11/01	GM8904	198245
9100090	C125	045728	9999	4901	49GH	1989/11/20	GM8906	198246
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9100090	C125	045716	9999	4901	49GI	1989/07/20	EU8906	198234
9100090	C125	045717	9999	4901	49GI	1989/07/31	EU8907	198235
9100090	C125	045718	9999	4901	49GI	1989/10/21	EU8910	198236
9100090	C125	045770	9999	4901	49GK	1989/11/18	KW8904	198288
9100090	C125	045870	9999	4901	49GM	1989/01/02	SW8901	198388
9100090	C125	045871	9999	4901	49GM	1989/02/10	SW8903	198389
9100090	C125	045872	9999	4901	49GM	1989/03/26	SW8905	198390
9100090	C125	045873	9999	4901	49GM	1989/04/06	SW8907	198391
9100090	C125	045874	9999	4901	49GM	1989/04/28	SW8909	198392
9100090	C125	045875	9999	4901	49GM	1989/05/31	SW8911	198393
9100090	C125	045876	9999	4901	49GM	1989/07/18	SW8913	198394
9100090	C125	045877	9999	4901	49GM	1989/09/04	SW8915	198395
9100090	C125	045878	9999	4901	49GM	1989/10/01	SW8917	198396
9100090	C125	045879	9999	4901	49GM	1989/11/09	SW8919	198397
9100090	C125	045880	9999	4901	49GM	1989/12/04	SW8921	198398
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9100090	C125	045721	9999	4901	49GP	1989/05/04	GE8902	198239
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9100090	C125	045723	9999	4901	49GP	1989/12/28	GE8904	198241
9100090	C125	045777	9999	4901	49GQ	1989/01/13	NULL	198295
9100090	C125	045778	9999	4901	49GQ	1989/11/02	ME8901	198296
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9100090	C125	045844	9999	4901	49GR	1989/04/12	SG8908	198362
9100090	C125	045845	9999	4901	49GR	1989/05/02	SG8912	198363
9100090	C125	045846	9999	4901	49GR	1989/05/22	SG8914	198364
9100090	C125	045847	9999	4901	49GR	1989/06/08	SG8917	198365
9100090	C125	045848	9999	4901	49GR	1989/07/09	SG8920	198366
9100090	C125	045849	9999	4901	49GR	1989/08/16	SG8926	198367
9100090	C125	045850	9999	4901	49GR	1989/09/08	SG8930	198368
9100090	C125	045851	9999	4901	49GR	1989/09/29	SG8932	198369
9100090	C125	045852	9999	4901	49GR	1989/10/15	SG8934	198370
9100090	C125	045853	9999	4901	49GR	1989/12/13	SG8936	198371
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9100090	C100	494462	9999	4901	49HH	1981/11/07	813505	198113

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9100090	C100	494473	9999	4901	49HO	1985/06/10	853205	198124
9100090	C100	494474	9999	4901	49HO	1985/06/25	853206	198125
9100090	C100	494475	9999	4901	49HO	1985/07/16	853207	198126
9100090	C100	494479	9999	4901	49HO	1987/01/23	873201	198130
9100090	C100	494481	9999	4901	49HO	1987/04/01	873203	198132
9100090	C100	494483	9999	4901	49HO	1987/06/08	873205	198134
9100090	C100	494484	9999	4901	49HO	1987/06/28	873206	198135
9100090	C100	494485	9999	4901	49HO	1987/07/18	873207	198136
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9100090	C100	494492	9999	4901	49HO	1988/03/08	883203	198143
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9100090	C100	494499	9999	4901	49HO	1988/07/12	883209	198150
9100090	C100	494501	9999	4901	49HO	1988/10/12	883211	198152
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9100090	C125	045803	9999	4901	49HO	1988/07/20	NULL	198321
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9100090	C100	494463	9999	4901	49HZ	1983/02/23	820024	198114
9100090	C125	045731	9999	4901	49ID	1989/01/16	IU8901	198249
9100090	C125	045732	9999	4901	49ID	1989/04/22	IU8902	198250
9100090	C125	045733	9999	4901	49ID	1989/06/10	IU8903	198251
9100090	C125	045734	9999	4901	49ID	1989/08/12	IU8904	198252
9100090	C125	045735	9999	4901	49ID	1989/09/10	IU8905	198253
9100090	C125	045736	9999	4901	49ID	1989/11/09	IU8906	198254
9100090	C125	045737	9999	4901	49IF	1989/03/19	IW8901	198255
9100090	C125	045738	9999	4901	49IF	1989/05/25	IW8902	198256
9100090	C125	045739	9999	4901	49IF	1989/06/25	IW8902	198257
9100090	C125	045740	9999	4901	49IF	1989/08/24	IW8903	198258
9100090	C100	494443	9999	4901	49JA	1972/11/15	723818	198094
9100090	C100	494445	9999	4901	49JA	1973/07/29	733805	198096
9100090	C100	494446	9999	4901	49JA	1974/02/20	743801	198097
9100090	C100	494447	9999	4901	49JA	1974/08/02	743816	198098
9100090	C100	494448	9999	4901	49JA	1976/07/07	763803	198099
9100090	C100	494449	9999	4901	49JA	1976/11/15	763809	198100
9100090	C100	494450	9999	4901	49JA	1976/03/02	763810	198101
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9100090	C100	494458	9999	4901	49K6	1981/01/16	802903	198109
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9100090	C125	045759	9999	4901	49KQ	1989/06/03	KH8902	198277
9100090	C125	045961	9999	4901	49KU	1989/07/16	ZR8901	198479
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9100090	C125	045779	9999	4901	49MV	1989/01/16	MN8901	198297
9100090	C125	045780	9999	4901	49MV	1989/04/05	MN8902	198298
9100090	C125	045781	9999	4901	49MV	1989/06/02	MN8903	198299
9100090	C125	045773	9999	4901	49MW	1989/01/31	MC8901	198291
9100090	C125	045774	9999	4901	49MW	1989/04/26	MC8902	198292
9100090	C125	045775	9999	4901	49MW	1989/07/08	MC8903	198293

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9100090	C125	045817	9999	4901	49NO	1989/05/28	OT8902	198335
9100090	C125	045818	9999	4901	49NO	1989/07/21	OT8903	198336
9100090	C125	045819	9999	4901	49NO	1989/08/11	OT8904	198337
9100090	C125	045820	9999	4901	49NO	1989/09/12	OT8905	198338
9100090	C125	045821	9999	4901	49NO	1989/11/15	OT8906	198339
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9100090	C125	045805	9999	4901	49OB	1989/01/30	OI8903	198323
9100090	C125	045806	9999	4901	49OB	1989/05/05	OI8904	198324
9100090	C125	045807	9999	4901	49OB	1989/06/15	OI8907	198325
9100090	C125	045808	9999	4901	49OB	1989/06/27	OI8908	198326
9100090	C125	045809	9999	4901	49OB	1989/09/03	OI8910	198327
9100090	C125	045810	9999	4901	49OB	1989/12/03	OI8911	198328
9100090	C125	045811	9999	4901	49OB	1989/12/16	OI8912	198329
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9100090	C125	045813	9999	4901	49OJ	1989/03/06	OJ8902	198331
9100090	C125	045814	9999	4901	49OJ	1989/06/14	OJ8903	198332
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9100090	C100	494508	9999	4901	49RY	1989/04/23	891104	198159
9100090	C125	045823	9999	4901	49RY	1989/01/30	RY8901	198341
9100090	C125	045824	9999	4901	49RY	1989/03/06	RY8903	198342
9100090	C125	045825	9999	4901	49RY	1989/04/20	RY8904	198343
9100090	C125	045826	9999	4901	49RY	1989/06/10	RY8906	198344
9100090	C125	045827	9999	4901	49RY	1989/07/02	RY8906	198345
9100090	C125	045828	9999	4901	49RY	1989/09/13	RY8909	198346
9100090	C125	045829	9999	4901	49RY	1989/10/06	RY8910	198347
9100090	C125	045830	9999	4901	49RY	1989/10/31	RY8910	198348
9100090	C125	045831	9999	4901	49RY	1989/12/08	RY8911	198349
9100090	C100	494509	9999	4901	49RY	1989/06/10	891106	198160
9100090	C100	494510	9999	4901	49RY	1989/07/03	891106	198161
9100090	C100	494511	9999	4901	49RY	1989/07/19	891106	198162
9100090	C100	494512	9999	4901	49RY	1989/10/04	891110	198163
9100090	C100	494513	9999	4901	49RY	1989/11/17	891112	198164
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9100090	C100	494538	9999	4901	49SH	1989/07/02	891507	198189

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9100090	C100	494542	9999	4901	49SO	1989/08/01	892407	198193
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9100090	C125	045840	9999	4901	49ST	1989/09/02	SA8907	198358
9100090	C125	045841	9999	4901	49ST	1989/11/13	SA8908	198359
9100090	C125	045854	9999	4901	49SU	1989/02/07	SH8902	198372
9100090	C125	045855	9999	4901	49SU	1989/04/20	SH8904	198373
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9100090	C125	045857	9999	4901	49SU	1989/07/04	SH8907	198375
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9100090	C100	494524	9999	4901	49SU	1989/02/27	891302	198175
9100090	C100	494525	9999	4901	49SU	1989/04/20	891304	198176
9100090	C100	494526	9999	4901	49SU	1989/05/02	891304	198177
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9100090	C100	494530	9999	4901	49SU	1989/10/13	891309	198181
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9100090	C125	045894	9999	4901	49TK	1989/12/18	NULL	198412
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9100090	C125	045786	9999	4901	49TU	1989/07/25	NC8907	198304
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9100090	C125	045789	9999	4901	49TU	1989/10/16	NC8910	198307
9100090	C125	045790	9999	4901	49TU	1989/11/18	NC8911	198308
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9100090	C100	494535	9999	4901	49TU	1989/11/22	891411	198186
9100090	C125	045710	9999	4901	49UC	1989/11/10	DK8909	198228
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9100090	C125	045912	9999	4901	49WA	1989/05/26	NULL	198430
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9100090	C125	045922	9999	4901	49YJ	1989/03/11	YC8902	198440
9100090	C125	045923	9999	4901	49YJ	1989/04/07	YC8904	198441
9100090	C125	045924	9999	4901	49YJ	1989/04/22	YC8905	198442
9100090	C125	045925	9999	4901	49YJ	1989/05/18	YC8906	198443
9100090	C125	045926	9999	4901	49YJ	1989/06/15	YC8907	198444
9100090	C125	045927	9999	4901	49YJ	1989/08/16	YC8908	198445
9100090	C125	045928	9999	4901	49YJ	1989/10/04	YC8909	198446
9100090	C125	045929	9999	4901	49YJ	1989/11/07	YC8910	198447
9100090	C100	494544	9999	4901	49YK	1989/08/19	892608	198195
9100090	C100	494545	9999	4901	49YK	1989/11/02	892611	198196
9100090	C125	045940	9999	4901	49YV	1989/12/09	YU8903	198458
9100090	C125	045960	9999	4901	49ZF	1989/02/16	ZO8901	198478

(389 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
9100090	C125	045760	492C	21	21	89/02/10	89/02/14
9100090	C125	045761	492C	19	19	89/02/26	89/03/07
9100090	C125	045762	492C	30	30	89/04/27	89/05/08
9100090	C125	045763	492C	23	23	89/08/13	89/08/30
9100090	C125	045764	492C	16	16	89/10/11	89/10/27
9100090	C125	045765	492C	17	17	89/11/21	89/11/23
9100090	C100	494518	492C	58	NULL	89/02/07	89/02/25
9100090	C100	494519	492C	89	NULL	89/04/19	89/05/17
9100090	C100	494520	492C	83	NULL	89/08/11	89/09/05
9100090	C100	494521	492C	109	NULL	89/10/08	89/10/26
9100090	C100	494522	492C	31	NULL	89/11/21	89/12/03
9100090	C100	494489	492S	19	NULL	88/05/24	88/06/01
9100090	C100	494503	492S	41	NULL	89/04/07	89/04/23
9100090	C100	494504	492S	28	NULL	89/08/18	89/08/28
9100090	C100	494505	492S	77	NULL	89/10/10	89/11/02
9100090	C125	045941	492S	52	52	89/03/08	89/03/19
9100090	C125	045942	492S	88	88	89/04/07	89/04/24
9100090	C125	045943	492S	65	65	89/05/06	89/06/14
9100090	C125	045944	492S	50	50	89/06/26	89/07/10
9100090	C125	045945	492S	7	7	89/07/24	89/07/25
9100090	C125	045946	492S	7	7	89/08/05	89/08/07
9100090	C125	045947	492S	76	76	89/08/18	89/08/30
9100090	C125	045948	492S	139	138	89/09/28	89/11/03
9100090	C125	045949	492S	51	51	89/11/22	89/12/03
9100090	C100	494451	4999	6	NULL	77/07/19	77/07/19
9100090	L142	L01342	4999	1	12037	78/05/19	89/12/11
9100090	C125	045950	49AC	4	4	89/01/05	89/01/05
9100090	C125	045951	49AC	4	4	89/01/25	89/01/25
9100090	C125	045952	49AC	9	9	89/02/25	89/03/02
9100090	C125	045953	49AC	8	8	89/03/27	89/04/05
9100090	C125	045954	49AC	4	4	89/06/09	89/06/09
9100090	C125	045955	49AC	4	4	89/07/01	89/07/01
9100090	C125	045956	49AC	8	8	89/08/31	89/09/01
9100090	C125	045957	49AC	20	20	89/09/24	89/09/25
9100090	C125	045958	49AC	4	4	89/10/26	89/10/26
9100090	C125	045959	49AC	8	8	89/12/11	89/12/20
9100090	C125	045684	49AQ	4	4	89/01/18	89/01/18
9100090	C125	045685	49AQ	4	4	89/02/23	89/02/23
9100090	C125	045686	49AQ	8	8	89/03/22	89/03/26
9100090	C125	045687	49AQ	8	8	89/04/11	89/04/12
9100090	C125	045688	49AQ	8	8	89/05/20	89/05/21
9100090	C125	045689	49AQ	8	8	89/06/20	89/06/21
9100090	C125	045690	49AQ	8	8	89/07/07	89/07/08
9100090	C125	045691	49AQ	8	8	89/10/12	89/10/13
9100090	C125	045692	49AQ	8	8	89/11/07	89/11/08
9100090	C125	045693	49AQ	4	4	89/12/10	89/12/10
9100090	C125	045907	49AU	4	4	89/02/06	89/02/06
9100090	C125	045908	49AU	4	4	89/06/17	89/06/17
9100090	C125	045909	49AU	3	3	89/08/07	89/08/07
9100090	C125	045910	49AU	4	4	89/10/07	89/10/07
9100090	C125	045911	49AU	4	4	89/11/27	89/11/27
9100090	C125	045695	49AX	29	29	89/01/17	89/01/20
9100090	C125	045748	49BE	11	11	89/10/13	89/10/15
9100090	C125	045749	49BE	3	3	89/11/06	89/11/07
9100090	C125	045750	49BE	18	18	89/12/03	89/12/05
9100090	C125	045742	49BE	21	21	89/02/09	89/02/12

9100090	C125	045743	49BE	21	21	89/04/07	89/04/14
9100090	C125	045744	49BE	11	11	89/04/26	89/04/27
9100090	C125	045745	49BE	30	30	89/05/08	89/05/13
9100090	C125	045746	49BE	11	11	89/07/15	89/07/16
9100090	C125	045747	49BE	45	45	89/09/27	89/10/02
9100090	C125	045711	49BT	5	5	89/03/06	89/03/06
9100090	C125	045962	49BW	11	10	89/07/21	89/07/21
9100090	C125	045792	49BX	32	31	89/05/08	89/05/09
9100090	C125	045793	49BX	38	38	89/08/25	89/08/29
9100090	C125	045794	49BX	32	32	89/11/24	89/11/26
9100090	C125	045913	49BZ	3	3	89/04/03	89/04/03
9100090	C125	045914	49BZ	3	3	89/05/05	89/05/06
9100090	C125	045915	49BZ	3	3	89/05/18	89/05/18
9100090	C125	045916	49BZ	3	3	89/06/01	89/06/01
9100090	C125	045917	49BZ	3	3	89/07/03	89/07/03
9100090	C125	045918	49BZ	3	3	89/08/03	89/08/03
9100090	C125	045919	49BZ	3	3	89/08/25	89/08/25
9100090	C125	045920	49BZ	3	3	89/10/10	89/10/10
9100090	C125	045701	49C4	9	8	89/01/09	89/01/09
9100090	C125	045702	49C4	9	8	89/02/08	89/02/08
9100090	C125	045703	49C4	18	16	89/02/21	89/03/05
9100090	C125	045704	49C4	4	4	89/04/04	89/04/04
9100090	C125	045705	49C4	9	8	89/06/06	89/06/14
9100090	C125	045706	49C4	44	44	89/08/10	89/08/12
9100090	C125	045707	49C4	9	9	89/10/19	89/10/19
9100090	C125	045708	49C4	8	8	89/11/06	89/11/06
9100090	C125	045709	49C4	8	8	89/12/13	89/12/13
9100090	C125	045766	49C5	4	4	89/01/25	89/01/26
9100090	C125	045767	49C5	4	4	89/03/16	89/03/16
9100090	C125	045768	49C5	8	8	89/07/20	89/07/21
9100090	C125	045769	49C5	9	9	89/09/06	89/09/07
9100090	C125	045865	49C7	4	3	89/01/10	89/01/10
9100090	C125	045866	49C7	4	4	89/05/31	89/05/31
9100090	C125	045867	49C7	9	9	89/08/19	89/08/19
9100090	C125	045868	49C7	9	9	89/10/19	89/10/19
9100090	C125	045869	49C7	4	4	89/12/09	89/12/09
9100090	C125	045832	49C8	4	4	89/02/07	89/02/08
9100090	C125	045833	49C8	4	4	89/02/27	89/02/28
9100090	C125	045834	49C8	4	4	89/05/22	89/05/22
9100090	C125	045835	49C8	31	31	89/06/25	89/07/01
9100090	C125	045836	49C8	4	4	89/08/20	89/08/20
9100090	C125	045837	49C8	60	60	89/10/25	89/11/10
9100090	C125	045838	49C8	81	81	89/11/22	89/12/23
9100090	C125	045771	49CY	10	10	89/06/26	89/06/26
9100090	C125	045696	49DK	8	8	89/01/21	89/01/21
9100090	C125	045697	49DK	4	4	89/05/13	89/05/13
9100090	C125	045698	49DK	3	3	89/06/15	89/06/15
9100090	C125	045699	49DK	9	9	89/06/28	89/06/28
9100090	C125	045700	49DK	28	28	89/08/22	89/08/23
9100090	C125	045719	49ED	29	29	89/07/17	89/07/20
9100090	C125	045896	49ET	6	6	89/01/12	89/01/13
9100090	C125	045897	49ET	17	17	89/02/11	89/02/12
9100090	C125	045898	49ET	8	8	89/03/02	89/03/14
9100090	C125	045899	49ET	1	1	89/04/20	89/04/20
9100090	C125	045900	49ET	1	1	89/05/07	89/05/07
9100090	C125	045901	49ET	2	2	89/05/24	89/05/24
9100090	C125	045902	49ET	3	3	89/06/07	89/06/07
9100090	C125	045903	49ET	17	17	89/06/23	89/07/02
9100090	C125	045904	49ET	16	16	89/07/21	89/07/23
9100090	C125	045905	49ET	2	2	89/08/18	89/08/18

9100090	C125	045906	49ET	28	28	89/10/23	89/11/10
9100090	C100	494442	49EW	16	NULL	71/11/24	71/11/26
9100090	C100	494444	49EW	20	NULL	72/07/22	72/07/24
9100090	C125	045751	49FA	22	22	89/01/20	89/02/19
9100090	C125	045752	49FA	3	3	89/03/10	89/03/10
9100090	C125	045753	49FA	1	1	89/04/22	89/04/22
9100090	C125	045754	49FA	33	31	89/06/02	89/06/25
9100090	C125	045755	49FA	12	12	89/07/08	89/07/22
9100090	C125	045756	49FA	39	39	89/08/23	89/10/02
9100090	C125	045757	49FA	53	53	89/10/21	89/11/24
9100090	C100	494514	49FA	1	NULL	89/02/25	89/02/25
9100090	C100	494515	49FA	2	NULL	89/03/10	89/03/10
9100090	C100	494516	49FA	30	NULL	89/06/03	89/06/25
9100090	C100	494517	49FA	7	NULL	89/08/24	89/09/06
9100090	C125	045724	49GH	3	3	89/02/22	89/02/23
9100090	C125	045725	49GH	5	4	89/06/11	89/06/11
9100090	C125	045726	49GH	5	5	89/06/24	89/06/25
9100090	C125	045727	49GH	7	7	89/11/01	89/11/09
9100090	C125	045728	49GH	4	4	89/11/20	89/11/20
9100090	C125	045729	49GH	4	4	89/12/02	89/12/03
9100090	C125	045730	49GH	3	3	89/12/21	89/12/22
9100090	C125	045712	49GI	7	7	89/01/15	89/01/15
9100090	C125	045713	49GI	7	7	89/03/13	89/03/13
9100090	C125	045714	49GI	7	7	89/04/30	89/04/30
9100090	C125	045715	49GI	5	5	89/06/12	89/06/12
9100090	C125	045716	49GI	8	8	89/07/20	89/07/20
9100090	C125	045717	49GI	7	7	89/07/31	89/07/31
9100090	C125	045718	49GI	7	7	89/10/21	89/10/21
9100090	C125	045770	49GK	5	5	89/11/18	89/11/19
9100090	C125	045870	49GM	6	6	89/01/02	89/01/03
9100090	C125	045871	49GM	6	6	89/02/10	89/02/11
9100090	C125	045872	49GM	6	6	89/03/26	89/03/26
9100090	C125	045873	49GM	6	6	89/04/06	89/04/07
9100090	C125	045874	49GM	6	6	89/04/28	89/04/30
9100090	C125	045875	49GM	6	6	89/05/31	89/06/01
9100090	C125	045876	49GM	6	6	89/07/18	89/07/19
9100090	C125	045877	49GM	6	6	89/09/04	89/09/05
9100090	C125	045878	49GM	6	6	89/10/01	89/10/02
9100090	C125	045879	49GM	6	6	89/11/09	89/11/09
9100090	C125	045880	49GM	6	6	89/12/04	89/12/04
9100090	C125	045720	49GP	5	5	89/02/12	89/02/13
9100090	C125	045721	49GP	6	6	89/05/04	89/05/05
9100090	C125	045722	49GP	5	5	89/11/03	89/11/04
9100090	C125	045723	49GP	3	3	89/12/28	89/12/28
9100090	C125	045777	49GQ	53	53	89/01/13	89/01/22
9100090	C125	045778	49GQ	6	6	89/11/02	89/11/02
9100090	C125	045843	49GR	2	2	89/03/18	89/03/19
9100090	C125	045844	49GR	4	4	89/04/12	89/04/14
9100090	C125	045845	49GR	4	4	89/05/02	89/05/03
9100090	C125	045846	49GR	4	4	89/05/22	89/05/23
9100090	C125	045847	49GR	6	6	89/06/08	89/06/18
9100090	C125	045848	49GR	5	5	89/07/09	89/07/10
9100090	C125	045849	49GR	6	6	89/08/16	89/08/28
9100090	C125	045850	49GR	5	5	89/09/08	89/09/10
9100090	C125	045851	49GR	4	4	89/09/29	89/10/02
9100090	C125	045852	49GR	2	2	89/10/15	89/10/15
9100090	C125	045853	49GR	4	4	89/12/13	89/12/15
9100090	C100	494460	49HH	9	NULL	81/09/09	81/10/09
9100090	C100	494461	49HH	2	NULL	81/10/22	81/10/27
9100090	C100	494462	49HH	6	NULL	81/11/07	81/11/18



9100090	C100	494468	49HO	46	NULL	85/01/28	85/02/19
9100090	C100	494470	49HO	22	NULL	85/04/01	85/04/06
9100090	C100	494473	49HO	7	NULL	85/06/10	85/06/13
9100090	C100	494474	49HO	11	NULL	85/06/25	85/06/30
9100090	C100	494475	49HO	34	NULL	85/07/16	85/08/04
9100090	C100	494479	49HO	37	NULL	87/01/23	87/02/19
9100090	C100	494481	49HO	13	NULL	87/04/01	87/04/05
9100090	C100	494483	49HO	13	NULL	87/06/08	87/06/15
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9100090	C100	494485	49HO	33	NULL	87/07/18	87/08/07
9100090	C100	494487	49HO	28	NULL	87/10/18	87/10/27
9100090	C100	494490	49HO	10	NULL	88/01/10	88/02/02
9100090	C100	494491	49HO	31	NULL	88/02/20	88/02/25
9100090	C100	494492	49HO	5	NULL	88/03/08	88/03/09
9100090	C100	494493	49HO	7	NULL	88/04/01	88/04/04
9100090	C100	494497	49HO	11	NULL	88/06/06	88/06/11
9100090	C100	494498	49HO	13	NULL	88/06/20	88/06/29
9100090	C100	494499	49HO	28	NULL	88/07/12	88/08/05
9100090	C100	494501	49HO	45	NULL	88/10/12	88/10/24
9100090	C125	045795	49HO	17	17	87/02/04	87/02/15
9100090	C125	045796	49HO	2	2	87/06/30	87/06/30
9100090	C125	045797	49HO	1	1	87/07/22	87/07/22
9100090	C125	045798	49HO	2	2	87/08/07	87/08/07
9100090	C125	045799	49HO	28	28	88/01/10	88/01/21
9100090	C125	045800	49HO	3	3	88/02/01	88/02/02
9100090	C125	045801	49HO	2	2	88/06/05	88/06/05
9100090	C125	045802	49HO	3	3	88/06/27	88/06/28
9100090	C125	045803	49HO	9	9	88/07/20	88/08/03
9100090	C100	494459	49HZ	7	NULL	82/02/22	82/03/04
9100090	C100	494463	49HZ	10	NULL	83/02/23	83/03/05
9100090	C125	045731	49ID	3	3	89/01/16	89/01/16
9100090	C125	045732	49ID	2	2	89/04/22	89/04/22
9100090	C125	045733	49ID	3	3	89/06/10	89/06/10
9100090	C125	045734	49ID	3	3	89/08/12	89/08/12
9100090	C125	045735	49ID	3	3	89/09/10	89/09/10
9100090	C125	045736	49ID	2	2	89/11/09	89/11/09
9100090	C125	045737	49IF	10	10	89/03/19	89/03/22
9100090	C125	045738	49IF	1	1	89/05/25	89/05/25
9100090	C125	045739	49IF	4	4	89/06/25	89/06/25
9100090	C125	045740	49IF	40	40	89/08/24	89/08/27
9100090	C100	494443	49JA	27	NULL	72/11/15	72/11/18
9100090	C100	494445	49JA	25	NULL	73/07/29	73/07/30
9100090	C100	494446	49JA	26	NULL	74/02/20	74/02/21
9100090	C100	494447	49JA	14	NULL	74/08/02	74/08/03
9100090	C100	494448	49JA	24	NULL	76/07/07	76/07/09
9100090	C100	494449	49JA	13	NULL	76/11/15	76/11/17
9100090	C100	494450	49JA	20	NULL	76/03/02	76/03/03
9100090	C100	494457	49K6	23	NULL	80/12/11	80/12/25
9100090	C100	494458	49K6	28	NULL	81/01/16	81/01/29
9100090	C125	045741	49K6	226	225	80/12/04	81/02/08
9100090	C125	045758	49KQ	4	4	89/01/30	89/01/30
9100090	C125	045759	49KQ	27	27	89/06/03	89/06/15
9100090	C125	045961	49KU	19	19	89/07/16	89/07/18
9100090	C125	045772	49ML	11	11	89/09/23	89/09/24
9100090	C125	045779	49MV	4	4	89/01/16	89/01/16
9100090	C125	045780	49MV	3	3	89/04/05	89/04/05
9100090	C125	045781	49MV	4	4	89/06/02	89/06/02
9100090	C125	045773	49MW	11	11	89/01/31	89/01/31
9100090	C125	045774	49MW	5	5	89/04/26	89/04/26
9100090	C125	045775	49MW	10	10	89/07/08	89/07/08

9100090	C125	045776	49MW	54	54	89/11/06	89/11/11
9100090	C125	045816	49NO	12	12	89/04/13	89/04/14
9100090	C125	045817	49NO	12	12	89/05/28	89/06/04
9100090	C125	045818	49NO	14	14	89/07/21	89/07/29
9100090	C125	045819	49NO	43	43	89/08/11	89/08/16
9100090	C125	045820	49NO	14	14	89/09/12	89/09/20
9100090	C125	045821	49NO	13	13	89/11/15	89/11/20
9100090	C125	045804	49OB	5	5	89/01/05	89/01/11
9100090	C125	045805	49OB	6	6	89/01/30	89/01/30
9100090	C125	045806	49OB	5	5	89/05/05	89/05/06
9100090	C125	045807	49OB	2	2	89/06/15	89/06/16
9100090	C125	045808	49OB	2	2	89/06/27	89/06/28
9100090	C125	045809	49OB	3	3	89/09/03	89/09/04
9100090	C125	045810	49OB	5	5	89/12/03	89/12/03
9100090	C125	045811	49OB	1	1	89/12/16	89/12/16
9100090	C125	045812	49OJ	10	10	89/01/05	89/01/06
9100090	C125	045813	49OJ	13	13	89/03/06	89/03/06
9100090	C125	045814	49OJ	45	45	89/06/14	89/06/17
9100090	C100	494466	49OS	13	NULL	84/11/25	84/12/02
9100090	C100	494469	49OS	7	NULL	85/04/04	85/04/05
9100090	C100	494471	49OS	84	NULL	85/06/13	85/07/25
9100090	C100	494472	49OS	2	NULL	85/08/05	85/08/09
9100090	C100	494476	49OS	12	NULL	85/09/04	85/09/07
9100090	C100	494477	49OS	13	NULL	86/11/25	86/12/01
9100090	C100	494480	49OS	18	NULL	87/04/01	87/04/06
9100090	C100	494482	49OS	92	NULL	87/06/12	87/07/24
9100090	C100	494486	49OS	9	NULL	87/09/01	87/09/07
9100090	C100	494488	49OS	13	NULL	87/11/29	87/12/05
9100090	C100	494494	49OS	25	NULL	88/04/01	88/04/06
9100090	C100	494495	49OS	96	NULL	88/06/06	88/07/17
9100090	C100	494496	49OS	42	NULL	88/07/28	88/08/10
9100090	C100	494500	49OS	5	NULL	88/09/03	88/09/05
9100090	C125	045815	49OS	16	16	89/06/06	89/06/07
9100090	C125	045895	49PX	13	13	89/09/16	89/09/16
9100090	C100	494506	49RY	33	NULL	89/01/19	89/01/29
9100090	C100	494507	49RY	22	NULL	89/02/10	89/02/22
9100090	C100	494508	49RY	20	NULL	89/04/23	89/05/06
9100090	C125	045823	49RY	42	42	89/01/30	89/02/21
9100090	C125	045824	49RY	18	18	89/03/06	89/03/10
9100090	C125	045825	49RY	21	21	89/04/20	89/05/05
9100090	C125	045826	49RY	6	6	89/06/10	89/06/13
9100090	C125	045827	49RY	21	21	89/07/02	89/07/18
9100090	C125	045828	49RY	19	19	89/09/13	89/09/19
9100090	C125	045829	49RY	11	11	89/10/06	89/10/16
9100090	C125	045830	49RY	15	15	89/10/31	89/11/04
9100090	C125	045831	49RY	13	13	89/12/08	89/12/16
9100090	C100	494509	49RY	39	NULL	89/06/10	89/06/23
9100090	C100	494510	49RY	10	NULL	89/07/03	89/07/06
9100090	C100	494511	49RY	23	NULL	89/07/19	89/07/25
9100090	C100	494512	49RY	87	NULL	89/10/04	89/11/04
9100090	C100	494513	49RY	75	NULL	89/11/17	89/12/09
9100090	C125	045822	49SB	41	41	89/01/20	89/01/27
9100090	C100	494543	49SC	156	NULL	89/02/07	89/03/15
9100090	C125	045861	49SH	7	7	89/02/12	89/02/13
9100090	C125	045862	49SH	23	23	89/05/11	89/05/22
9100090	C125	045863	49SH	21	21	89/10/11	89/10/20
9100090	C125	045864	49SH	18	18	89/11/17	89/11/21
9100090	C100	494536	49SH	74	NULL	89/02/03	89/02/23
9100090	C100	494537	49SH	80	NULL	89/05/09	89/06/06
9100090	C100	494538	49SH	105	NULL	89/07/02	89/08/02

9100090	C100	494539	49SH	102	NULL	89/09/28	89/10/26
9100090	C100	494541	49SO	11	NULL	89/03/18	89/03/19
9100090	C100	494542	49SO	57	NULL	89/08/01	89/08/05
9100090	C125	045842	49SR	11	11	89/04/21	89/04/21
9100090	C125	045839	49ST	23	23	89/03/13	89/03/15
9100090	C125	045840	49ST	23	23	89/09/02	89/09/04
9100090	C125	045841	49ST	16	16	89/11/13	89/11/15
9100090	C125	045854	49SU	54	54	89/02/07	89/02/28
9100090	C125	045855	49SU	10	10	89/04/20	89/04/21
9100090	C125	045856	49SU	51	51	89/05/02	89/05/16
9100090	C125	045857	49SU	63	63	89/07/04	89/07/24
9100090	C125	045858	49SU	42	42	89/08/29	89/09/05
9100090	C125	045859	49SU	70	70	89/09/26	89/10/26
9100090	C125	045860	49SU	40	40	89/11/08	89/11/21
9100090	C100	494523	49SU	26	NULL	89/02/07	89/02/15
9100090	C100	494524	49SU	1	NULL	89/02/27	89/02/27
9100090	C100	494525	49SU	17	NULL	89/04/20	89/04/21
9100090	C100	494526	49SU	22	NULL	89/05/02	89/05/15
9100090	C100	494527	49SU	31	NULL	89/07/04	89/07/18
9100090	C100	494528	49SU	2	NULL	89/09/04	89/09/04
9100090	C100	494529	49SU	27	NULL	89/09/26	89/10/02
9100090	C100	494530	49SU	15	NULL	89/10/13	89/10/22
9100090	C100	494452	49SY	20	NULL	78/05/27	78/06/05
9100090	C100	494453	49SY	14	NULL	79/05/29	79/06/08
9100090	C100	494454	49SY	23	NULL	80/05/16	80/06/01
9100090	C100	494455	49SY	11	NULL	80/12/26	81/01/02
9100090	C100	494456	49SY	12	NULL	81/02/03	81/02/15
9100090	C100	494464	49SY	36	NULL	83/10/17	83/10/26
9100090	C100	494465	49SY	37	NULL	83/11/06	83/11/16
9100090	C100	494467	49SY	76	NULL	85/01/19	85/02/14
9100090	C100	494478	49SY	103	NULL	87/01/21	87/02/18
9100090	C125	045930	49SY	30	30	78/05/20	78/06/06
9100090	C125	045931	49SY	10	10	81/10/12	81/10/16
9100090	C125	045932	49SY	22	22	81/11/13	81/12/10
9100090	C125	045933	49SY	129	128	82/05/23	82/06/25
9100090	C125	045934	49SY	153	153	83/05/21	83/06/29
9100090	C125	045935	49SY	36	36	83/10/17	83/10/26
9100090	C125	045936	49SY	52	52	83/11/06	83/12/03
9100090	C125	045937	49SY	150	150	84/05/18	84/06/25
9100090	C125	045938	49SY	1	1	85/01/19	85/01/19
9100090	C125	045939	49SY	17	17	85/02/24	85/03/04
9100090	C126	002268	49SY	105	105	78/05/17	78/06/10
9100090	C126	002269	49SY	7	6	81/10/16	81/10/18
9100090	C100	494502	49TK	73	104	89/02/07	89/03/13
9100090	C125	045881	49TK	11	11	89/01/07	89/01/08
9100090	C125	045882	49TK	8	8	89/01/25	89/01/26
9100090	C125	045883	49TK	171	171	89/02/07	89/03/13
9100090	C125	045884	49TK	2	2	89/04/13	89/04/13
9100090	C125	045885	49TK	1	1	89/04/25	89/04/25
9100090	C125	045886	49TK	6	6	89/05/19	89/05/20
9100090	C125	045887	49TK	8	8	89/06/23	89/06/24
9100090	C125	045888	49TK	11	11	89/07/15	89/07/26
9100090	C125	045889	49TK	14	14	89/09/27	89/10/01
9100090	C125	045890	49TK	7	7	89/10/15	89/10/15
9100090	C125	045891	49TK	22	22	89/10/26	89/11/01
9100090	C125	045892	49TK	6	6	89/11/12	89/11/12
9100090	C125	045893	49TK	8	8	89/11/28	89/11/29
9100090	C125	045894	49TK	10	10	89/12/18	89/12/19
9100090	C125	045782	49TU	4	4	89/01/23	89/01/23
9100090	C125	045783	49TU	4	4	89/02/05	89/02/05

9100090	C125	045784	49TU	9	9	89/04/25	89/05/04
9100090	C125	045785	49TU	17	17	89/06/19	89/07/11
9100090	C125	045786	49TU	11	11	89/07/25	89/08/05
9100090	C125	045787	49TU	5	5	89/08/20	89/08/21
9100090	C125	045788	49TU	1	1	89/10/05	89/10/05
9100090	C125	045789	49TU	8	8	89/10/16	89/10/17
9100090	C125	045790	49TU	24	23	89/11/18	89/11/22
9100090	C125	045791	49TU	26	26	89/12/06	89/12/10
9100090	C100	494531	49TU	97	NULL	89/01/20	89/02/19
9100090	C100	494532	49TU	134	NULL	89/04/18	89/05/17
9100090	C100	494533	49TU	135	NULL	89/07/21	89/08/20
9100090	C100	494534	49TU	141	NULL	89/10/02	89/11/02
9100090	C100	494535	49TU	13	NULL	89/11/22	89/11/23
9100090	C125	045710	49UC	37	37	89/11/10	89/11/12
9100090	C100	494546	49US	4	NULL	89/06/20	89/06/29
9100090	C125	045694	49US	36	36	89/06/08	89/06/30
9100090	C125	045912	49WA	6	6	89/05/26	89/05/30
9100090	C100	494540	49WA	37	NULL	89/05/20	89/05/31
9100090	C100	494547	49XK	14	NULL	89/02/02	89/02/06
9100090	C100	494548	49XK	86	NULL	89/10/06	89/10/23
9100090	C125	045921	49YJ	7	7	89/02/09	89/02/09
9100090	C125	045922	49YJ	40	40	89/03/11	89/03/17
9100090	C125	045923	49YJ	21	21	89/04/07	89/04/09
9100090	C125	045924	49YJ	9	9	89/04/22	89/05/01
9100090	C125	045925	49YJ	50	50	89/05/18	89/05/22
9100090	C125	045926	49YJ	6	6	89/06/15	89/06/15
9100090	C125	045927	49YJ	12	12	89/08/16	89/08/22
9100090	C125	045928	49YJ	12	12	89/10/04	89/10/09
9100090	C125	045929	49YJ	44	44	89/11/07	89/11/12
9100090	C100	494544	49YK	33	NULL	89/08/19	89/08/23
9100090	C100	494545	49YK	21	NULL	89/11/02	89/11/11
9100090	C125	045940	49YV	10	10	89/12/09	89/12/11
9100090	C125	045960	49ZF	11	9	89/02/16	89/02/24

(389 rows affected)