

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9200263	046174	C125	0224	4901	492C		02/21/90	03/06/90	26	26
9200263	046175	C125	0224	4901	492C		05/02/90	05/14/90	15	15
9200263	046176	C125	0224	4901	492C		06/06/90	06/07/90	6	6
9200263	046177	C125	0224	4901	492C		07/21/90	07/22/90	7	7
9200263	046178	C125	0224	4901	492C		10/13/90	10/30/90	15	15
9200263	046179	C125	0224	4901	49TU		01/26/90	02/02/90	19	19
9200263	046180	C125	0224	4901	49TU		04/22/90	05/09/90	18	18
9200263	046181	C125	0224	4901	49TU		08/01/90	08/03/90	6	6
9200263	046182	C125	0224	4901	49TU		10/26/90	10/28/90	7	7
9200263	046183	C125	0224	4901	49TU		11/13/90	11/20/90	11	11
9200263	046184	C125	0224	4901	49RY		01/20/90	01/20/90	3	3
9200263	046185	C125	0224	4901	49RY		02/03/90	02/24/90	36	36
9200263	046186	C125	0224	4901	49RY		04/21/90	05/04/90	27	27
9200263	046187	C125	0224	4901	49RY		06/16/90	06/18/90	5	5
9200263	046188	C125	0224	4901	49RY		07/03/90	07/23/90	27	27
9200263	046189	C125	0224	4901	49SU		01/20/90	01/22/90	32	32
9200263	046190	C125	0224	4901	49SU		02/05/90	02/18/90	44	44
9200263	046191	C125	0224	4901	49SU		04/25/90	05/17/90	56	56
9200263	046192	C125	0224	4901	49SU		07/06/90	07/29/90	49	49
9200263	046193	C125	0224	4901	49SU		10/01/90	10/23/90	39	39
9200263	046194	C125	0224	4901	49SH		02/09/90	02/09/90	4	4
9200263	046195	C125	0224	4901	49SH		02/21/90	03/02/90	17	17
9200263	046196	C125	0224	4901	49SH		05/17/90	05/18/90	6	6
9200263	046197	C125	0224	4901	49SH		07/09/90	07/18/90	14	14
9200263	046198	C125	0224	4901	49SH		08/07/90	08/08/90	9	9
9200263	046199	C125	0224	4901	49TK		02/07/90	03/12/90	123	123
9200263	046200	C125	0224	4901	49WA		05/24/90	05/26/90	6	6
9200263	046201	C125	0224	4901	492S		04/12/90	04/29/90	81	81
9200263	046202	C125	0224	4901	492S		07/06/90	07/13/90	42	42
9200263	046203	C125	0224	4901	492S		11/20/90	12/14/90	99	99

ACCESSION NO. 9200263 FILETYPE C/25

TRACK NO. _____

PROJECT IDENTIFICATION _____

Data Rescue

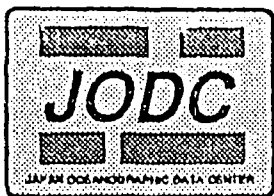
STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	10-28-92	FJM	D00318 (A0166)	1 *	80	4000	193
DUPLICATE TAPE	11-12-92	FJM	W55805 W55805	1 *	80	4000	193
REFORMATTED TAPE	3-30-93	R.P.S	W76551 **	1	V	V	848
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:~~ * FILE # 3 ON TAPE

** LABEL = DNODC * UBTOUT.

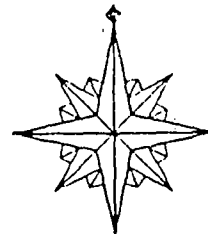
ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)



Japan Oceanographic Data Center

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



Telephone : +81-3-3541-3811 (UTC+9hrs, 09:30-17:20)
Fax : +81-3-3545-2885
Telex : 252-2452 HDJODC J
Telemail : T.MORI/OMNET
 : [JODC.TOKYO/JODC]ATI/JAPAN

Your Ref :
Our Ref : JODC-349/92
Date : Sep. 30, 1992

Dr. Sydney Levitus
Director, WDC-A (Oceanography)
National Oceanic and Atmospheric Administration
1825, Connecticut Avenue, NW
Washington DC, 20235
U. S. A.

9200263

Aφ1616

Dφφ318

Dear Dr. Levitus,

We are pleased to send you following data, which we received for the period of January to December 1990, by air.

1 Reel of Magnetic Tape

(Reel No. DM1675 containing ADCP, CTD, DBT, GEK, SD, XBT, Data and Data for
Quick Bulletin of Ocean Conditions)

Dump list for each file

Magnetic Tape Specification

Format Description for each file

We are looking forward to further cooperation with you in this regard.

Sincerely yours,

Osamu Yamada
Osamu YAMADA
Director, JODC

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 World Data Center - A		Refer to: IODE System <i>9200263</i>
		Attention <i>A01616</i>
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
<p>a) Magnetic Tape, 1 Reel Reel No D1675 Containing ADCP, CTD, DBT, GEK, SD, XBT Data (for 1990.1~1990.12) and Data for Quick Bulletin of Ocean Conditions (for 1990.1~1990.12)</p> <p>b) Dump list for each file</p> <p>c) Magnetic Tape Specification</p> <p>d) Format Description for each file</p>		
Forwarded by (signature) Osamu Yamada	Title Director of Japan Oceanographic Data Center	Data forwarded
Received by (signature)	Title	Data Received

MAGNETIC TAPE SPECIFICATION

DISSEMINATION NO.: 92-094

DATE :
 REEL NUMBER : D1675
 CONTENTS : ADCP, CTD, DBT, GEK, SD, XBT Data
 and Data for Quick Bulletin of Ocean Conditions
 TRACKS : 9
 DENSITY : 6250 BPI
 TAPE LABEL : Non
 RECORD LENGTH : 84 Bytes/Record for ADCP and GEK Data
 53 Bytes/Record for CTD and SD Data
 80 Bytes/Record for DBT and XBT Data
 and Data for Quick Bulletin of Ocean Conditions
 BLOCK SIZE : 50 Records/Block
 RECORDING CODE : EBCDIC
 MULTI-REEL FILE : No
 MULTI-FILE REEL : 7 FILES/REEL
 NUMBER OF REEL : 1
 SORTING SEQUENCE :
 TO BE RETURNED : No

LIST OF FILE NAMES

	File Name	No. of Stn.
FIRST FILE	✓: ADCP Data	✓ 3,082 Stations
SECOND FILE	✓: CTD Data	1,836 Stations
THIRD FILE	✓: DBT Data	193 Stations
FOURTH FILE	✓: GEK Data	✓ 98 Stations
FIFTH FILE	✓: SD Data	✓ 1,076 Stations
SIXTH FILE	✓: XBT Data	1,974 Stations
SEVENTH FILE	: Data for Quick Bulletin of Ocean Conditions	2067 10,643 Stations

L142

L107

C100

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 PROCESSING NO.			JODC processing 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(=Nansen cast)
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	41	I1	5 degree square number
1 DEG	42	I2	1 degree square number
30 MIN	45	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; C: salinity I: 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(1) 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
			Flag: 0: Normal 1: Doubtful value by originator 2: Doubtful or erroneous value by JODC 3: Neglected value for interpolation
SAL	19	16	Salinity value to thousandths, position 19 for QC flag of salinity value
DO	20	15	Dissolved oxygen in mL/L to hundredths, position 24 for QC flag of oxygen value
P	25	14	Inorganic phosphate-phosphorus in $\mu\text{g-at./L}$, position 28 for QC flag of P value
T-P	29	14	Total phosphorus in $\mu\text{g-at./L}$, position 32 for QC flag of T-P value
NO2-N	33	14	Nitrite-nitrogen in $\mu\text{g-at./L}$, position 36 for QC flag of NO2-N value
NO3-N	37	14	Nitrate-nitrogen in $\mu\text{g-at./L}$, position 40 for QC flag of NO3-N value
Si	41	14	Reactive silicate-silicon in $\mu\text{g-at./L}$, position 44 for QC flag of Si value
pH	45	14	Hydrogen-ion concentration in situ, position 48 for QC flag of pH value
DEPTH-ID	51	11	Flag: 0: Normal 1: Thermometric depths 2: Standard depth value by CTD

STANDARD DATA (Interpolated and Calculated Values at Standard Depths)

Element Name	Start of Position	Field Type	Description of Field
RECORD TYPE, NEXT RECORD	1	211	Record type, always "6" ; see above Header-1
DEPTH, TEMP, SAL, DO	3	15, 216, 15	Same as observation data
SIG-T	25	15	Density (σ_t): $\sigma_t = \rho(s, t, 0) - 1000 \text{ (kg/m}^3\text{)}$, position 29 for QC
$\theta - T$	30	16	Thermometric anomaly θ_T in $10^{-3} \text{ m}^3/\text{kg}$, position 35 for QC
SVA	36	16	Specific volume anomaly δ in $10^{-6} \text{ m}^3/\text{kg}$, position 41 for QC
I-DY	42	15	Geopotential anomaly in $10 \text{ m}^2 \text{ s}^{-2}$ position 46 for QC flag of I-DY value
VEL	47	15	Sound velocity by Wilson's formula, $\text{VEL} = V_T - 1000 \text{ (m/s)}$, position 51 for QC flag

ADDITIONAL DATA

Element Name	Start of Position	Field Type	Description of Field																																																			
RECORD TYPE, NEXT RECORD	1	III	Record type, always "-"; see above Header-1																																																			
DEPTH	3	II	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>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>Pheac</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>POB</td><td>ppt</td></tr><tr><td>22</td><td>A_s</td><td>ppt, ug/kg</td></tr><tr><td>23</td><td>P_t</td><td>ppb, ug/kg</td></tr><tr><td>24</td><td>H_F</td><td>ppb, ug/kg</td></tr><tr><td>25</td><td>Total-H_F</td><td>ppb, ug/kg</td></tr><tr><td>26</td><td>C_d</td><td>ppt, ug/kg</td></tr></table>	ITEM-ID	ITEM NAME	UNITS	11	COD	ppm, mg/L	12	BOD	ppm, mg/L	13	NH ₄ -N	ug-at./L	14	Chl.a	ug-at./L	15	Alkali	meq/L	16	Pheac	ug/L	17	Total-N	ug-at./L	18	TOC	ppm	19	HC	ppb, ug.chr/kg	20	SS	ppm	21	POB	ppt	22	A _s	ppt, ug/kg	23	P _t	ppb, ug/kg	24	H _F	ppb, ug/kg	25	Total-H _F	ppb, ug/kg	26	C _d	ppt, ug/kg
ITEM-ID	ITEM NAME	UNITS																																																				
11	COD	ppm, mg/L																																																				
12	BOD	ppm, mg/L																																																				
13	NH ₄ -N	ug-at./L																																																				
14	Chl.a	ug-at./L																																																				
15	Alkali	meq/L																																																				
16	Pheac	ug/L																																																				
17	Total-N	ug-at./L																																																				
18	TOC	ppm																																																				
19	HC	ppb, ug.chr/kg																																																				
20	SS	ppm																																																				
21	POB	ppt																																																				
22	A _s	ppt, ug/kg																																																				
23	P _t	ppb, ug/kg																																																				
24	H _F	ppb, ug/kg																																																				
25	Total-H _F	ppb, ug/kg																																																				
26	C _d	ppt, ug/kg																																																				
ITEM-ID	8	II	See above additional data field																																																			
ITEM	10	II	Each additional data value which corresponds with ITEM-ID																																																			
EXP	15	II	Exponential of additional data value (e.g. ITEM/10 ^{EXP})																																																			
FLAG	16	II	Quality control flags of additional observation data are as follows: 0: Normal 1: Doubtful value by the originator 2: Doubtful or erroneous value by JODC 3: Neglected value for interpolation 5: Infra-red for Hydrocarbon (HC) only 6: Fluorescence for Hydrocarbon (HC) only																																																			
DEPTH-ID	53	II	Same as depth identity field of observed data record																																																			

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

(i) Standard depth interpolation

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

0	125	500	2500	5000
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 5-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

(3) Dummy value: 9 (nine) on all records

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

Corresponding to the explanation of Serial Station Data(SD)

3. Bathythermograph Data

(1) Record Description

MASTER (CT-1)(Surface Environmental Information)

Element Name	Start of Position	Field Type	Description of Field
COUNTRY, SHIP	1	2A2	Corresponding to the explanation of SD(Header-1)
CALL SIGN	8		not used
LAT	9	I5, A1	Degree, minute of latitude &/or tenths, N or S

MASTER (continued)

Element Name	Start of Position	Field Type	Description of Field
LONG	15	I6, A1	Degree, minute of longitude &/or tenths, E or W
DATE	22	3I2, I3	Year, month, day, & hour to tenths in GMT
SHIP'S STATION NO.	31	A7	Originator's station number, left justified
SHIP'S CRUISE NO.	38	A6	Originator's cruise number, left justified
DEPTH TO BOTTOM	44	I4	Depth to bottom in meters
WIND DIR	48	I2	Wind direction in 36-points, nil=00
WIND S/F	50	I2	Wind speed(S) in knots or wind force(F: Beaufort scale) indicated by minus sign(-) in position 50
BAR	52	I3	Barometric pressure in mbs, tens to tenths only
AIR TEMP DRY	55	I3	Dry-bulb temperature in degree Celsius to tenths; if negative, indicates minus sign (-) in position 55
AIR TEMP WET	58	I3	Wet-bulb temperature in degree Celsius to tenths; if negative, indicates minus sign (-) in position 58
WAVE DIR	61	I2	Same as wind direction
WAVE H/A, P	63	I2, I1	Wave height(H), WMO 1555 or Sea state (A), WMO 3700 indicated by minus sign(-) in position 63, Period, WMO 3155
PROJECT	66	A1	Project name, see above SD(Header-2)
ITEM NO.	67	I1	Instrument type, 1: WBT, 2: XBT, 3: DBT, 4: AXBT
REF. ID. NO.	68	I2, A2, I2	JODC reference identity number; Year, Institution Code, Consecutive Cruise Number (e.g. 871101)
CONSEC. NO.	74	I4	JODC consecutive station number
CARD NO.	78	I2	Record sequence number by station, Master always "01"
CT	80	I1	Master record identifier, always "1"

DETAIL (Values at Standard Depths)

Element Name	Start of Position	Field Type	Description of Field
COUNTRY	1	A2	Same as Master
TEMP S _n , 0 (500)	3	A1, I3	Negative temperature sign(-), temperature value at 0 or 500 m to tenths
S _n , 10 (550)	7	A1, I3	Negative temperature sign(-), temperature value at 10 or 550 m to tenths
S _n , 20 (600)	11	A1, I3	Negative temperature sign(-), temperature value at 20 or 600 m to tenths

DETAIL (continued)

Element	Start of Position	Field Type	Description of Field
TEMP S ₁ , 450 (1400)	59	A1, I3	Negative temperature sign(-), temperature value at 450 or 1400m to tenths
SL	63	I3	Surface layer depth in meters
I. NO.	67	I1	Item number, same as Master
REF. ID. NO.	68	I2, A2, I2	Same as Master
CONSEC. NO.	72	I4	Same as Master
CARD NO.	73	I2	First detail record (at 0 to 450m depths), always "02" Next detail record (at 500 to 1400m depths), always "03"
CT	80	I1	Detail record identifier, always "2"

4. Current Data

Record Description

Element	Start of Position	Field Type	Description of Field
COUNTRY CODE, SHIP CODE	1	2A2	Corresponding to the explanation of SD(Header-1)
POSITION LAT.	5	I5, A1	Degree, minute of latitude &/or tenths, N or S
LONG.	11	I6, A1	Degree, minute of longitude &/or tenths, E or W
MARSDEN SQUARE	13	I3	Marsden (10 degree) square number
DATE	21	3I2	Year, month & day in DMT
GMT	27	I3	Hours &/or tenths in DMT
STATION NO.	30	A5	Originator's station number, left justified
DEPTH	35	I4	First setup level measured by ADCP
CURRENT DIR	39	I3	Current direction, 360 degree or 36 points scale (e.g. 360 or 360, nil=000 or 00b)
VEL	42	I2	Current speed in knots to tenths, nil=00
SURFACE TEMP	44	I3	Surface temperature (°C) to tenths, if negative, minus sign in position 44
WIND DIR	47	I2	Wind direction in 36 points, nil=00
S/F	49	I2	Wind speed(S) in knots or wind force(F) indicated by minus sign(-) in position 49
STATION NO.	51	A4	Continuation of the originator's station number(Pos.30-34)
ITEM NO.	50	I1	Instrument type: Blank=DEX, 1=Ship's drift 2=ADCP
PROJECT NAME	52	A1	See above SD (Header-2)
COMPONENT NORTH	53	A1, I3	Northern component to hundredths, if southern, minus sign in position 53

DETAIL (continued)

Element	Start of Position	Field Type	Description of Field
COMPONENT	EAST	67	A1, I3
REF. ID. NO.	71	I2, A2, I2	Eastern component to hundredths, if western, minus sign in position 67
CONSEC. NO.	77	I4	JODC reference identity number consists of: Observation year, Institution Code and Consecutive cruise number
			JODC consecutive station number

TABLES USED IN PREPARING DATA FILES

Table 1 Water color

PCT Yellow	Code	PCT Brown
0	11	0
2	12	2
5	13	5
9	14	9
14	15	14
20	16	20
27	17	27
35	18	35
44	19	44
54	20	54
65	21	65

Table 2 Wave height (WMO 1555)

Code	If 50 is added to direction
0	Less than 1/4 m
1	1/2 m
2	1 m
3	1 1/2 m
4	2 m
5	2 1/2 m
6	3 m
7	3 1/2 m
8	4 m
9	4 1/2 m
X	HGT not determined

Table 3 Sea State (WMO 3700)

Code	Description	Height (m)
0	Calm-glassy	0
1	Calm-rippled	0 - 0.10
2	Smooth-wavelet	0.10- 0.50
3	Slight	0.50- 1.25
4	Moderate	1.25- 2.50
5	Rough	2.50- 4
6	Very rough	4 - 6
7	High	6 - 9
8	Very high	9 - 14
9	Phenomenal	Over 14

Table 4 Period (WMO 3155)

Code	
2	5 seconds or less
3	6 or 7 seconds
4	8 or 9 seconds
5	10 or 11 seconds
6	12 or 13 seconds
7	14 or 15 seconds
8	16 or 17 seconds
9	18 or 19 seconds
0	20 or 21 seconds
1	Over 21 seconds
x	Calm, or period not determined

Table 5 Wind force (Conversion to Beaufort wind scale)

Code	Description	Knots	m/s
0	Calm	0— 0.9	0 — 0.2
1	Light air	1— 3	0.3— 1.5
2	Light breeze	4— 6	1.6— 3.3
3	Gentle breeze	7—10	3.4— 5.4
4	Moderate breeze	11—16	5.5— 7.9
5	Fresh breeze	17—21	8.0—10.7
6	Strong breeze	22—27	10.8—13.8
7	Near gale	28—33	13.9—17.1
8	Gale	34—40	17.2—20.7
9	Strong gale	41— 47	20.8—24.4
10	Storm	48— 55	24.5—28.4
11	Violent storm	56— 63	28.5—32.6
12	Hurricane	64— 71	32.7—36.9
13	Hurricane	72— 80	37.0—41.4
14	Hurricane	81— 89	41.5—46.1
15	Hurricane	90— 99	46.2—50.9
16	Hurricane	100—108	51.0—56.0
17	Hurricane	109—118	56.1—61.2

Table 6 Present weather (WMO 4501)

Code	Description
0	Clear (No cloud at any level)
1	Partly cloudy (Scattered or broken)
2	Continuous layer(s) of clouds
3	Sandstorm, duststorm, or blowing snow
4	Fog, thick dust or haze
5	Drizzle
6	Rain
7	Snow, or rain and snow mixed
8	Shower(s)
9	Thunderstorm(s)

Table 7 Cloud type (WMO 0500)

Code	
0	Cirrus Ci
1	Cirrocumulus Cc
2	Cirrostratus Cs
3	Alto cumulus Ac
4	Altostratus As
5	Nimbostratus Ns
6	Strato cumulus Sc
7	Stratus St
8	Cumulus Cu
9	Cumulonimbus Cb
X	Cloud not visible due to darkness

Table 8 Cloud amount (WMO 2700)

<u>Code</u>	
0	Zero
1	1/10 or less
2	2/10 to 3/10
3	4/10
4	5/10
5	6/10
6	7/10 to 8/10
7	9/10
8	10/10
9	Sky obscured or cannot be estimated

Table 9 Visibility (WMO 4300)

<u>Code</u>	
0	Less than 50 m
1	50— 200 m
2	200— 500 m
3	500—1000 m
4	1— 2 km
5	2— 4 km
6	4— 10 km
7	10— 20 km
8	20— 50 km
9	50 km or more

Table 10 Institution Code

<u>Code</u>	Institution of Japan
00	Hydrographic Department, Maritime Safety Agency
11	Marine Department, Japan Meteorological Agency
12	Hakodate Marine Observatory, JMA
13	Kobe Marine Observatory, JMA
14	Nagasaki Marine Observatory, JMA
15	Maizuru Marine Observatory, JMA
23	Tohoku Regional Fisheries Research Laboratory
24	National Research Institute of Fisheries Science
25	Nansei Regional Fisheries Research Laboratory
26	Seikai Regional Fisheries Research Laboratory
SA	Japan Marine Science & Technology Center

Table 11 Ship Code

<u>Code</u>	Ship Name
TA	Takuyo (00)
YY	Shoyo (00)
RY	Ryofu Maru (11)
KF	Keifu Maru (11)
KO	Kofu Maru (12)
SH	Shumpu Maru (13)
NC	Chofu Maru (14)
SI	Seifu Maru (15)
IY	Kaiyo Maru (23)
WA	Wakataka Maru (23)
AX	Aircraft (23)
SU	Shunyo Maru (23, 25)
SY	Soyo Maru (24)
YO	Yoko Maru (25)
XK	Kaiyo (SA)

Note: Institution Codes are entered within parentheses.

DATA RECORD LAYOUT

SERIAL STATION, STD & CTD DATA

HEADER-1																							
NEXT RECORD		1057 PROJECT NO.		SHIP CODE		LAT.			LONG.			DATE (GMT)			STATION NO.		INSTRUMENT		FILLER				
RECORD TYPE	CODE	COUNTRY	YEAR	POSITION	CONSECUTIVE STATION NO.	DEG.	MIN.	N/S	DEG.	MIN.	E/W	YEAR	MONTH	DAY	TIME			DEPTH OF BOTTOM	FILLER				
HEADER-2																							
NEXT RECORD		WATER		WAVE		WIND		BAR		AIR TEMP.			WEATHER		CLOUD		DETAIL NO.		SQUARE KEY		PROJECT NAME		
RECORD TYPE	CODE	TRANS.	COLOR	DIR	HTA CODE	DIR	S/E CODE	DIR		DRY	WET	TYPE	VIS.	AMOUNT	OBS.	STANDARD	TOTAL	10 DEG	1 DEG	30 MIN	6 MIN	SAL. ID	
OBSERVATION DATA																							
NEXT RECORD		DEPTH		TEMP.		SAL.		DO		P		T-P		NO. -N		NO. -N		Si		pH		DEPTH ID	
RECORD TYPE	CODE				FLAG		FLAG		FLAG		FLAG		FLAG		FLAG		FLAG		FLAG		FLAG		
STANDARD DATA																							
NEXT RECORD		DEPTH		TEMP.		SAL.		DO		SIG-T		D-T		SVA		D-DY		VEL		FILLER			
RECORD TYPE	CODE				FLAG		FLAG		FLAG		FLAG		FLAG		FLAG		FLAG		FLAG		FLAG		
ADDITIONAL DATA																							
NEXT RECORD		DEPTH		ADDITIONAL DATA		SAME AS LEFT		SAME AS LEFT		SAME AS LEFT		SAME AS LEFT		FILLER									
RECORD TYPE	CODE	ITEM ID	ITEM	FLAG	EXP																		

BATHYTHERMOGRAPHY DATA

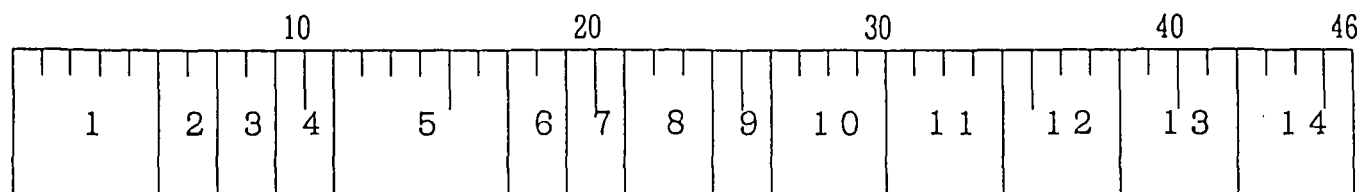
[illegible][illegible]

(Repeat as needed)

CURRENT MEASUREMENT DATA

POSITION		MARDEN SQUARE	DATE		GMT	STATION NO.	DEPTH (m)	CURRENT		SURFACE TEMP.	WIND		CONTINUED STATION NO.		TIDE NO.	PROJECT NAME	S W N COMPONENT	E W COMPONENT	REF. ID. NO.	CONSEC. NO.
LAT. N	LONG. E		YEAR	MONTH	DAY			HR	DIR.		VEL. (Knot)	DIR.								
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
0	0																			
1	1																			

Oceanographic Data Format (Temperature)



	byte	Parameters	
1	1- 5	Record Sequential number	
2	6- 7	Data entry organization code	
3	8- 9	Organization code	
4	10-11	Ship code	
5	12-17	Observation date	YYMMDD (YY:year MM:month DD:day, J S T)
6	18-19	Latitude	Degree (North)
7	20-21	Latitude	Minutes
8	22-24	Longitude	Degree (East)
9	25-26	Longitude	Minutes
10	27-30	0m temperature	°C to tenth
11	31-34	50m temperature	°C to tenth
12	35-38	100m temperature	°C to tenth
13	39-42	200m temperature	°C to tenth
14	43-46	400m temperature	°C to tenth

1	1	4200	1	*49TA34519N139463E131900206222	000707707	1215	2	X	016	0689000050001	***
	85			*49TA34455N140022E130900206233	0007061153631305		2	X	073	1319000050002	***
	169			*49TA34389N140137E130900207022	0007015061341009		2	X	058	0169000050003	***
	253			*49TA34369N140256E130900207030	0007073081341114		2	X	023	0779000050004	***
	337			*49TA34334N140429E130900207040	0007008161331115		2	X	158	0229000050005	***
	421			*49TA34301N140597E130900207050	0007033151321107		2	X	126	0829000050006	***
	505			*49TA34311N141031E130900207077	0007039261301209		2	X	202	1649000050007	***
	589			*49TA34302N141068E130900207080	0007028321321308		2	X	283	1509000050008	***
	673			*49TA34262N141218E130900207090	0007009171321114		2	X	168	0279000050009	***
	757			*49TA34238N141366E130900207100	0007003151291014		2	X	150	0089000050010	***
	841			*49TA34212N141527E130900207110	0007354131321114		2	X	129-0149000050011	***	
	925			*49TA34170N142100E130900207149	0007331071411014		2	X	061-0349000050012	***	
	1009			*49TA34169N142114E130900207150	0007338071421014		2	X	065-0269000050013	***	
	1093			*49TA34140N142280E130900207160	0007300054531014		2	X	025-0439000050014	***	
	1177			*49TA34120N142471E130900207172	0007217081921014		2	X	064-0489000050015	***	
	1261			*49TA34104N142582E130900207180	0007305051501114		2	X	029-0419000050016	***	
	1345			*49TA34096N143010E130900207207	0007297051521108		2	X	023-0459000050017	***	
	1429			*49TA34091N143051E130900207210	0007003031521012		2	X	030	0029000050018	***
	1513			*49TA34064N143216E130900207220	0007232031531014		2	X	018-0249000050019	***	
	1597			*49TA34037N143376E130900207230	0007340081541015		2	X	075-0279000050020	***	
	1681			*49TA34010N143536E130900208000	0007310081541014		2	X	051-0619000050021	***	
	1765			*49TA33531N143584E130900208030	0007343031571715		2	X	029-0099000050022	***	
	1849			*49TA33369N144000E130900208041	0007067051571815		2	X	020	0469000050023	***
	1933			*49TA33234N144000E130900208050	0007024041581814		2	X	037	0169000050024	***
	2017			*49TA33086N143590E130900208060	0007293061591815		2	X	023-0559000050025	***	
	2101			*49TA32578N144005E130900208088	0007061061601815		2	X	029	0529000050026	***
	2185			*49TA32554N144004E130900208090	0007064051601814		2	X	022	0459000050027	***
	2269			*49TA32407N144000E130900208100	0007049106331815		2	X	066	0759000050028	***
	2353			*49TA32264N144000E130900208110	0007035101621815		2	X	082	0579000050029	***
	2437			*49TA32110N144000E130900208120	0007020051621815		2	X	047	0179000050030	***
	2521			*49TA31580N143586E130900208155	0007027021641815		2	X	018	0099000050031	***
	2605			*49TA31508N143580E130900208160	0007331036521815		2	X	026-0159000050032	***	
	2689			*49TA31361N143596E130900208170	0007027071641814		2	X	062	0329000050033	***
	2773			*49TA31212N143599E130900208180	0007017031641815		2	X	029	0099000050034	***
	2857			*49TA31066N144000E130900208190	0007213031651815		2	X	025-0169000050035	***	
	2941			*49TA30567N144005E130900208215	0007179041661816		2	X	040	0019000050036	***
	3025			*49TA30438N144000E130900208220	0007166028401815		2	X	019	0059000050037	***
	3109			*49TA30333N143590E130900208230	0007013031671816		2	X	029	0079000050038	***
	3193			*49TA30176N143590E130900209000	0007108057031815		2	X	015	0489000050039	***
	3277			*49TA30019N144000E130900209010	0007162081691815		2	X	076	0259000050040	***
	3361			*49TA29559N144011E094900209036	0007174131721915		2	X	129	0149000050041	***
	3445			*49TA29493N144003E094900209040	0007157081721915		2	X	074	0319000050042	***
	3529			*49TA29335N143590E094900209050	0007224091721814		2	X	065-0639000050043	***	
	3613			*49TA29182N144000E094900209060	0007120081721815		2	X	040	0699000050044	***
	3697			*49TA29027N144000E094900209070	0007178067531815		2	X	060	0029000050045	***
	3781			*49TA28538N143590E094900209097	0007242021751815		2	X	009-0189000050046	***	
	3865			*49TA28486N143590E094900209100	0007255081751815		2	X	021-0779000050047	***	
	3949			*49TA28337N143590E094900209110	0007340051751815		2	X	047-0179000050048	***	
	4033			*49TA28187N143590E094900209120	0007038021751814		2	X	016	0129000050049	***
	4117			*49TA28039N143590E094900209130	0007014041751815		2	X	039	0109000050050	***

*** DUMP END

*** INPUT FILE = 0 RECORD = 1 ***

***** REWIND *****

** POSITION AT T.M = 1 (SKIPPED RECORD = 62)

REC	SIZE	BYTE
-----	------	------

*** DUMP END

*** INPUT FILE = 1 RECORD = 63 ***

J

REC	SIZE	BYTE
1	1104	4000
1	1104	4000
81	*49RY	1000 N13000 E900203055TY 004
161	*49 232	231 230 280 278 237 216 158 120 102 93 88 84 81
241	*49 73	74 69 66 62 59 58
321	*49RY	1100 N13000 E900203117TY 005
401	*49 280	279 279 279 279 266 237 179 136 109 88 88 81 75
481	*49 72	68 64 62 57 54 52
561	*49RY	1200 N13000 E900203176TY 006
641	*49 277	276 276 276 267 264 251 203 158 124 103 90 79 71
721	*49 66	64 61 58 56 53 51 46 42
801	*49RY	1300 N13000 E900203234TY 007
881	*49 273	272 272 272 272 268 237 185 143 121 101 90 85 73
961	*49 69	65 61 59 56 54 53 48 45
1041	*49RY	1400 N13000 E900204055TY 008
1121	*49 272	271 271 270 270 264 254 202 162 137 116 103 90 79
1201	*49 74	70 66 59 57 54 51 47 43
1281	*49RY	1600 N13000 E900204172TY 009
1361	*49 259	258 253 257 255 251 248 204 183 162 140 119 98 87
1441	*49 77	69 64 59 56 52 50 45 41
1521	*49RY	1700 N13000 E900204232TY 010
1601	*49 256	254 254 252 245 240 237 208 188 161 147 125 106 91
1681	*49 30	73 65 59 57 54 51 46 42
1761	*49RY	1801 N13000 E900205053TY 011
1841	*49 250	244 242 242 240 237 236 196 181 167 153 132 113 100
1921	*49 87	78 63 65 61 55 48 44 41
2001	*49RY	1900 N13000 E900205111TY 012
2081	*49 246	244 243 243 241 231 215 193 177 165 153 141 122 105
2161	*49 89	77 68 60 55 51 48 42 37
2241	*49RY	2000 N13000 E900205168TY 013
2321	*49 251	250 249 248 243 243 242 212 188 175 163 147 129 111
2401	*49 96	77 70 60 55 51 48 43 38
2481	*49RY	3330 N14130 E900223098TY 035
2561	*49 190	190 190 190 190 189 189 187 185 179 175 166 155 146
2641	*49 135	119 106 92 77 63 59 51 43
2721	*49RY	3350 N14112 E900223146TY 036
2801	*49 193	192 192 192 192 192 192 191 189 186 174 162 156 137
2881	*49 121	110 92 79 72 66 55 48 42
2961	*49RY	3410 N14055 E900223181TY 037
3041	*49 191	190 190 190 190 190 189 188 185 179 169 161 147 135
3121	*49 120	108 94 75 64 56 51 42 37
3201	*49RY	3430 N14037 E900223221TY 038
3281	*49 192	191 191 191 191 191 190 190 184 171 161 140 124 111
3361	*49 96	87 73 63 55 52 49 42
3441	*49RY	3456 N14014 E900224051TY 039
3521	*49 162	160 157 154 149 149 148 129 107 92 83 74 68 66
3601	*49 62	57 53
3681	*49SH	3216 N13846 E900121221TH 024
3761	*49 179	179 179 179 179 179 179 157 131 111 97 85 72 65
3841	*49SH	2916 N13507 E900207041TH 042
3921	*49 196	196 196 196 196 196 196 196 194 182 173 164 154 146
	*49SH	2901 N13501 E900207059TH 043

X39011010001011*
 39011010001022*
 39011010001032*
 X39011010002011*
 39011010002022*
 39011010002032*
 X39011010003011*
 39011010003022*
 39011010003032*
 X39011010004011*
 39011010004022*
 39011010004032*
 X39011010005011*
 39011010005022*
 39011010005032*
 X39011010006011*
 39011010006022*
 39011010006032*
 X39011010007011*
 39011010007022*
 39011010007032*
 X39011010008011*
 39011010008022*
 39011010008032*
 X39011010009011*
 39011010009022*
 39011010009032*
 X39011010010011*
 39011010010022*
 39011010010032*
 X39011010011011*
 39011010011022*
 39011010011032*
 X39011010012011*
 39011010012022*
 39011010012032*
 X39011010013011*
 39011010013022*
 39011010013032*
 X39011010014011*
 39011010014022*
 39011010014032*
 X39011010015011*
 39011010015022*
 39011010015032*
 X39013010001011*
 39013010001022*
 X39013020001011*
 39013020001022*
 X39013020002011*

*** DUMP END

*** INPUT FILE = 2 RECORD = 1104 ***

REC	SIZE	BYTE			
1	1108	4200	1	*49SU33151N133582E1319002090442	04202200213704-1
			85	*49SU33042N134098E1319002090653	04901500613009-3
			169	*49SU33150N134547E1319002091285	12601640510536-5
			253	*49SU32544N135030E1319002091566	14000930711736-2
			337	*49SU32352N135105E1319002091857	46000621413809-3
			421	*49SU32241N135315E1319002092138	47001351414007-3
			505	*49SU32427N135303E1319002092329	43000841414207-4
			589	*49SU32592N135307E13190021001410	24000901414409-4
			673	*49SU33154N135298E13190021003511	15001060214207-4
			757	*49SU33252N135299E13190021005512	08202220313409-4
			841	*49SU33363N135164E13190021007813	02402320613914-6
			925	*49SU33323N134327E13190021200816	02051210613425-4
			1009	*49SU33201N134198E13190021202817	09602290613925-3
			1093	*49SU32598N134279E13190021205418	04201271213927-6
			1177	*49SU32385N134349E13190021203219	20001151213727-5
			1261	*49SU32299N134199E13190021210620	1021213332-5
			1345	*49SU32415N134053E13190021214021	09801910111834-4
			1429	*49SU32529N133518E13190021216222	10001400209634-4
			1513	*49SU33037N133388E13190021218423	07600780308332-3
			1597	*49SU32597N133097E13190021223025	00951110207634-3
			1681	*49SU32432N133239E13190021301126	05101630611832-1
			1765	*49SU32376N133353E13190021303227	10003540510502-3
			1849	*49SU32253N133508E13190021305728	10000742913104-3
			1933	*49SU32103N133304E13190021309429	0732011636-3
			2017	*49SU32226N133143E13190021311630	11001630311334-2
			2101	*49SU32380N132320E13190021321132	04851600710609-3
			2185	*49SU32400N132047E13190021323333	02901170809336-6
			2269	*49SU32266N132242E13190021402334	16001770511007-6
			2353	*49SU32143N132423E13190021420035	1210812734-5
			2437	*49SU32023N133032E13190021422536	10000912314236-4
			2521	*49SU31500N133216E13190021500737	28000941716104-4
			2605	*49SU31301N133058E13190021504038	32000790916734-4
			2689	*49SU31434N132461E13190021507639	0621414636-2
			2773	*49SU31555N132269E13190021510340	19800641014234-3
			2857	*49SU32080N132090E13190021512541	13300670813034-4
			2941	*49SU32201N131497E13190021516142	01711790110736-5
			3025	*49SU31544N131381E13190021519043	00791740611234-4
			3109	*49SU31426N132004E13190021521744	11300501012436-5
			3193	*49SU31301N132183E13190021600145	20000690913336-6
			3277	*49SU30565N132160E13190021604349	24003570714636-6
			3361	*49SU31135N131543E13190021620750	12700321512636-6
			3445	*49SU31296N131298E13190021623651	01131460711502-5
			3529	*49SU31095N131093E13190021702352	01031850113602-4
			3613	*49SU30556N131303E13190021704753	09700341115204-4
			3697	*49SU30403N131506E13190021708154	0411315004-3
			3781	*49SU30252N132107E13190021710755	30000260414307-3
			3865	*49SU30017N131467E13190021714558	30000400915209-3
			3949	*49SU30197N131288E13190021717159	20000262215409-3
			4033	*49SU30353N131083E13190021720160	00721900815314-4
			4117	*49SU30346N130449E13190022007875	01421651015827-4
					K-015-01390250200013384*
					K-052 030902502000234A1*
					K-048 01490250200033484*
					K-004 070902502000425C3*
					K 066 124902502000525C1*
					K-099 099902502000625B3*
					K 015 139902502000725D1*
					K 000 140902502000825D3*
					K-006 019902502000935A4*
					K-022-020902502001035A4*
					K-037-047902502001135C2*
					K-031 051902502001234D1*
					K-039-045902502001334A4*
					K-072 096902502001424C4*
					K-051 109902502001524D1*
					K-025 117902502001624A4*
					K-010-002902502001724C1*
					K-015 01390250200182304*
					K 006 029902502001933B1*
					K-007 019902502002023C3*
					K-057 018902502002123C4*
					K 050-005902502002223D1*
					K 080 279902502002323B4*
					K 058 191902502002423B1*
					K-029 009902502002523A3*
					K-066 024902502002622D1*
					K-036 071902502002722C1*
					K-050 003902502002822A4*
					K-041 069902502002922B1*
					K-004 230902502003023A1*
					K-012 170902502003113C4*
					K 017 088902502003213C1*
					K 066 124902502003312D2*
					K 044 090902502003412C4*
					K 031 074902502003522A1*
					K-010 000902502003621B4*
					K-060 006902502003711D3*
					K 064 077902502003812C1*
					K 032 084902502003912C2*
					K 070-004902502004002C4*
					K 127 079902502004111B2*
					K-058 039902502004211A4*
					K-010-001902502004311A1*
					K 091 062902502004401D3*
					K 098 085902502004501D2*
					K 036 018902502004602A3*
					K 069 058902502004701B2*
					K 198 096902502004801A4*
					K-079-014902502004901C1*
					K-097 026902502005000D1*

*** DUMP END

*** INPUT FILE = 3 RECORD = 1103 ***

J

	REC	SIZE	BYTE	
1	1110	2650	1	*12499000050001TA34400N140100E0900207182900001 2695 #*
			54	*26 36A4 36S10233+110+095X2487192204113014031611 #**
			107	*6300000+1670034698005280253500261100261100000051230 0*
			160	*3600000+1670034698005280031099999999999900608270 0*
			213	*6600010+1676034689005310253300263100263400026051260 0*
			266	*6600020+1680034683005330253200264400265000053051290 0*
			319	*6300030+1680034680005350253200264600265500079051310 0*
			372	*3600030+1680034680005350032099999999999900708280 0*
			425	*6300050+1672034680005360253400262800264400132051310 0*
			478	*3600050+1672034680005360032099999999999900708280 0*
			531	*6300075+1670034680005340253400262400264700198051350 0*
			584	*3600075+1670034680005340032099999999999900708260 0*
			637	*6300100+1670034680005490253400262400265500265051390 0*
			690	*3600100+1670034680005490037099999999999900708260 0*
			743	*6600125+1668034680005390253500261900265800331051420 0*
			796	*6300150+1657034678005150253700259600264200397051430 0*
			849	*3600150+1657034678005150043099999999999901508250 0*
			902	*6300200+1440034576004390257800221000226500520050820 0*
			955	*3300201+1436034574004380094099999999999902108170 0*
			1008	*3600249+1309034511004100112099999999999902708120 0*
			1061	*6600250+1505034509004090260000199400205800628050450 0*
			1114	*6300300+0393034410003820266700136300142000715049060 0*
			1167	*3600300+0393034410003820156099999999999903908080 0*
			1220	*6300400+0822034296003280266900134300141300857048940 0*
			1273	*3600400+0822034296003280202099999999999905907980 0*
			1326	*6300500+0650034233002920268800115900122900989048430 0*
			1379	*3600500+0650034233002920238099999999999907507900 0*
			1432	*6300600+0540034295002390270700098200105201103048160 0*
			1485	*3600601+0539034295002390999999999999999997840 0*
			1538	*6600700+0448034299002030271800087900094801203047940 0*
			1591	*6300800+0381034311001850272600080400087001294047830 0*
			1644	*3600800+0381034311001850999999999999999997750 0*
			1697	*6301000+0323034390001800273800069100076101457047930 0*
			1750	*3601001+0323034390001800999999999999999997740 0*
			1803	*6301200+0288034447001700274500061700069201602048120 0*
			1856	*3601250+0279034460001670999999999999999997720 0*
			1909	*6301500+0236034522001850275600051800059401795048400 0*
			1962	*3301501+0236034522001850999999999999999997730 0*
			2015	*3601751+0214034558002010999999999999999997760 0*
			2068	*6302000+0196034590002420276500043500051902073049080 0*
			2121	*3602000+0196034590002420999999999999999997790 0*
			2174	*6302500+0169034635003130277000038200047102321049820 0*
			2227	*3102500+0169034635003130999999999999999997830 0*
			2280	*12499000050002TA34303N141003E0900207232900002 5936 #*
			2333	*26 32A9 20S02214+120+109X6586192504413014131501 #**
			2386	*6300000+1770034679005260251000285200285200000051520 0*
			2439	*3600000+1770034679005260025099999999999900308280 0*
			2492	*6600010+1795034677005260250400291100291500029051610 0*
			2545	*6300020+1814034675005260249900295800296400058051680 0*
			2598	*3600029+1323034673005260022099999999999900308290 0*
2	1111	2650	1	*6300030+1823034673005260249700298000299000088051730 0*
			54	*3600043+1821034671005290022099999999999900308300 0*
			107	*6300050+1821034671005290022099999999999900308300 0*

REC	SIZE	BYTE	
1	1737	4000	1 *49TA7JWN34343N140382E900207127TA90001 02102151321210204 29000050001011*
			81 *49 173 175 175 176 174 171 163 156 153 146 132 112 29000050001022*
			161 *490000 1730045 1750125 1560180 1500338 102 29000050001033*
			241 *49TA7JWN34233N141394E900207191TA90002 36121901351223604 29000050002011*
			321 *49 188 190 190 191 191 191 191 189 181 175 170 162 152 139 29000050002022*
			401 *490000 1880130 1900172 1870180 1840280 1730450 139 29000050002033*
			481 *49TA7JWN34150N142300E900208011TA90003 34141881301193605 29000050003011*
			561 *49 187 183 188 189 187 185 183 182 181 180 179 174 169 161 149 29000050003022*
			641 *490000 1870040 1390235 1300450 149 29000050003033*
			721 *49TA7JWN34049N143300E900208075TA90004 02121961321120205 29000050004011*
			801 *49 174 176 176 176 176 177 176 176 176 174 171 165 160 152 145 29000050004022*
			881 *490000 1740180 1760285 1680450 145 29000050004033*
			961 *49TA7JWN33260N144000E900208138TA90005 02122141401140204 29000050005011*
			1041 *49 175 176 177 177 177 177 177 177 177 177 177 176 169 162 153 29000050005022*
			1121 *490000 1750297 1770450 153 29000050005033*
			1201 *49TA7JWN32300N144000E900208198TA90006 04062081351160403 29000050006011*
			1281 *49 173 179 179 179 179 179 179 179 179 179 179 174 169 164 152 29000050006022*
			1361 *490000 1780256 1790450 152 29000050006033*
			1441 *49TA7JWN31299N144001E900209024TA90007 22041991591362202 29000050007011*
			1521 *49 134 186 186 186 186 186 184 181 181 180 176 172 166 157 149 29000050007022*
			1601 *490000 1840120 1810450 149 29000050007033*
			1681 *49TA7JWN30300N144000E900209032TA90008 32082101751443203 29000050008011*
			1761 *49 186 183 188 188 187 137 187 187 186 176 171 167 161 153 140 29000050008022*
			1841 *490000 1860150 1360130 1780310 1660450 140 29000050008033*
			1921 *49TA7JWN29300N144000E900209142TA90009 02082581681463603 29000050009011*
			2001 *49 189 190 190 189 186 184 184 184 184 179 172 167 162 154 144 29000050009022*
			2081 *490000 1890030 1890065 1840155 1840450 144 29000050009033*
			2161 *49TA7JWN28300N144000E900209202TA90010 02102781651270204 29000050010011*
			2241 *49 198 198 198 198 199 199 199 198 184 175 171 160 150 141 130 29000050010022*
			2321 *490000 1930125 1980130 1920175 1770260 1700338 1510356 1500450 130 29000050010033*
			2401 *49TA7JWN27310N144000E900210022TA90011 02082941851470203 29000050011011*
			2481 *49 207 208 208 208 208 207 200 194 188 178 171 165 156 148 136 29000050011022*
			2561 *490000 2070070 2080180 1810450 136 29000050011033*
			2641 *49TA7JWN26300N143570E900210086TA90012 0412290188 0404 29000050012011*
			2721 *49 208 210 210 210 210 210 206 195 183 173 171 170 167 159 155 29000050012022*
			2801 *490000 2880090 2090140 1870160 1790335 1680450 155 29000050012033*
			2881 *49TA7JWN25301N143569E900210140TA90013 02082881921620203 29000050013011*
			2961 *49 206 208 208 208 205 201 194 185 180 174 170 165 157 148 133 29000050013022*
			3041 *490000 2060040 2080090 1990165 1770403 1480435 1350450 133 29000050013033*
			3121 *49TA7JWN24300N144000E900210194TA90014 09082742101671102 29000050014011*
			3201 *49 235 236 236 235 234 232 228 222 214 189 174 165 157 147 131 29000050014022*
			3281 *490000 2350030 2350080 2310140 2180210 1850450 131 29000050014033*
			3361 *49TA7JWN23261N144000E900211017TA90015 09082632201810904 29000050015011*
			3441 *49 240 240 241 241 241 231 226 217 201 179 171 159 149 138 121 29000050015022*
			3521 *490000 2400060 2400070 2320092 2300130 2170165 1890450 121 29000050015033*
			3601 *49TA7JWN22250N144000E900211078TA90016 02102252351980204 29000050016011*
			3681 *49 227 228 229 228 228 221 210 194 187 176 169 162 151 134 117 29000050016022*
			3761 *490000 2270040 2280075 2210130 1920300 1620400 1340420 1230450 117 29000050016033*
			3841 *49TA7JWN21312N143599E900211130TA90017 11082252352001103 29000050017011*
			3921 *49 235 235 236 236 235 233 232 224 212 189 174 168 160 151 131 29000050017022*

*** DUMP END

TOTAL INPUT FILE = 15 RECORD = 5173

REC	SIZE	BYTE	
1	1827	4000	1 *44293040421900105330013620+190
			81 *44288040421900105331113654+186
			161 *44301040421900105333013620+195
			241 *44269040421900105334113654+195
			321 *44302040421900105334513620+196
			401 *44268040421900105335613654+198
			481 *42351090922900105375913657+140
			561 *42352090922900105381613634+132
			641 *42363090922900105382413451+095
			721 *42359090922900105383413611+121
			801 *42362090922900105383913430+080
			881 *42360090922900105385213548+116
			961 *42361090922900105391013525+080
			1041 *43731004001900106313012948+178
			1121 *43730004001900106314812918+183
			1201 *43729004001900106314812936+181
			1281 *43732004001900106321212918+174
			1361 *43727004001900106344813942+192
			1441 *43728004001900106344813948+183
			1521 *42366090922900106373813629+133
			1601 *42365090922900106375213541+122
			1681 *42364090922900106380913516+118
			1761 *44361004001900108321812948+178
			1841 *44366000001900108342713840+178
			1921 *45240000005900108343113836+174
			2001 *44359004001900108344213948+184
			2081 *44364000001900108344513914+187
			2161 *45241000005900108344713913+187
			2241 *44360004001900108344814000+182
			2321 *44587040441900109331513730+185
			2401 *45245000005900109332513514+190
			2481 *45244000005900109333513605+191
			2561 *44593040441900109334513730+198
			2641 *45243000005900109335713627+191
			2721 *44597040441900109341513730+196
			2801 *45242000005900109342513746+194
			2881 *02327000004900113341713901+192
			2961 *02326000004900113342913900+192
			3041 *02316000004900113344313913+188
			3121 *02301000004900113345913931+186
			3201 *02287000004900114304013901+205
			3281 *02286000004900114305913902+207
			3361 *02285000004900114311613900+198
			3441 *02284000004900114313413901+188
			3521 *02294000004900114320113859+181
			3601 *02293000004900114321913858+184
			3681 *02292000004900114323713858+188
			3761 *02291000004900114325413859+188
			3841 *02297000004900114331213900+188
			3921 *02296000004900114333013903+191
			+185+150+082*****
			+186+130+068*****
			+194+134+083*****
			+186+125+075*****
			+191+145+088*****
			+197+132+073*****
			+130+065*****
			+100+022+005*****
			+071+012+004*****
			+109+031+005*****
			+042+010+003*****
			+064+016+003*****
			+037+010+003*****
			+177+156+079*****
			+183+166*****
			+177+154*****
			+172+151*****
			+183+141+077*****
			+154+120+091*****
			+110+087*****
			+065+017+003*****
			+066+016+003*****
			+178+147*****
			+166+131+086*****
			+166+124+086*****
			+173+145+086*****
			+182+150+103*****
			+173+148+093*****
			+171+123+065*****
			+125+094+056*****
			+190+146+090*****
			+187+146+080*****
			+175+135+078*****
			+188+149+081*****
			+150+118+074*****
			+194+156+091*****
			+191+151+094*****
			+182+155+098*****
			+170+135+087*****
			+165+140+093*****
			+205+200+149*****
			+204+198+122*****
			+192+175+105*****
			+187+149+090*****
			+165+128+074*****
			+168+120+076*****
			+181+118+078*****
			+186+134+087*****
			+188+137+080*****
			+183+147+102*****

DUMP END

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9200263	C125	046174	0224	4901	492C	1990/02/21	NULL	210950
9200263	C125	046175	0224	4901	492C	1990/05/02	NULL	210951
9200263	C125	046176	0224	4901	492C	1990/06/06	NULL	210952
9200263	C125	046177	0224	4901	492C	1990/07/21	NULL	210953
9200263	C125	046178	0224	4901	492C	1990/10/13	NULL	210954
9200263	C100	494601	0224	4901	492C	1990/02/09	901202	210983
9200263	C100	494608	0224	4901	492C	1990/04/20	901204	210990
9200263	C100	494609	0224	4901	492C	1990/05/29	901205	210991
9200263	C100	494615	0224	4901	492C	1990/07/12	901207	210997
9200263	C100	494621	0224	4901	492C	1990/10/03	901210	211003
9200263	C100	494622	0224	4901	492C	1990/10/23	901210	211004
9200263	C100	494630	0224	4901	492C	1990/02/09	901202	211012
9200263	C100	494638	0224	4901	492C	1990/04/20	901204	211020
9200263	C100	494639	0224	4901	492C	1990/05/29	901205	211021
9200263	C100	494647	0224	4901	492C	1990/07/12	901207	211029
9200263	C100	494653	0224	4901	492C	1990/10/03	901210	211035
9200263	C100	494654	0224	4901	492C	1990/10/23	901210	211036
9200263	C125	046201	0224	4901	492S	1990/04/12	NULL	210977
9200263	C125	046202	0224	4901	492S	1990/07/06	NULL	210978
9200263	C125	046203	0224	4901	492S	1990/11/20	NULL	210979
9200263	C100	494605	0224	4901	492S	1990/04/12	900013	210987
9200263	C100	494619	0224	4901	492S	1990/11/21	900039	211001
9200263	C100	494635	0224	4901	492S	1990/04/13	900013	211017
9200263	C100	494644	0224	4901	492S	1990/07/07	900022	211026
9200263	C100	494651	0224	4901	492S	1990/11/20	900039	211033
9200263	L107	L01511	0224	4901	4999	1990/01/01	NULL	211043
9200263	L142	L01512	0224	4901	4999	1990/01/01	NULL	211044
9200263	L142	490000	0224	4901	4999	NULL	NULL	496987
9200263	L107	490000	0224	4901	4999	NULL	NULL	496988
9200263	C125	046184	0224	4901	49RY	1990/01/20	NULL	210960
9200263	C125	046185	0224	4901	49RY	1990/02/03	NULL	210961
9200263	C125	046186	0224	4901	49RY	1990/04/21	NULL	210962
9200263	C125	046187	0224	4901	49RY	1990/06/16	NULL	210963
9200263	C125	046188	0224	4901	49RY	1990/07/03	NULL	210964
9200263	C100	494599	0224	4901	49RY	1990/01/20	901101	210981
9200263	C100	494600	0224	4901	49RY	1990/02/23	901101	210982
9200263	C100	494606	0224	4901	49RY	1990/04/22	901104	210988
9200263	C100	494607	0224	4901	49RY	1990/05/02	901104	210989
9200263	C100	494613	0224	4901	49RY	1990/06/15	901106	210995
9200263	C100	494614	0224	4901	49RY	1990/07/23	901106	210996
9200263	C100	494620	0224	4901	49RY	1990/10/12	901110	211002
9200263	C100	494629	0224	4901	49RY	1990/01/20	901101	211011
9200263	C100	494636	0224	4901	49RY	1990/04/22	901104	211018
9200263	C100	494637	0224	4901	49RY	1990/05/02	901104	211019
9200263	C100	494645	0224	4901	49RY	1990/06/15	901106	211027
9200263	C100	494646	0224	4901	49RY	1990/07/23	901106	211028
9200263	C100	494652	0224	4901	49RY	1990/10/12	901110	211034
9200263	C100	494634	0224	4901	49SC	1990/02/09	902502	211016
9200263	C125	046194	0224	4901	49SH	1990/02/09	NULL	210970
9200263	C125	046195	0224	4901	49SH	1990/02/21	NULL	210971
9200263	C125	046196	0224	4901	49SH	1990/05/17	NULL	210972
9200263	C125	046197	0224	4901	49SH	1990/07/09	NULL	210973
9200263	C125	046198	0224	4901	49SH	1990/08/07	NULL	210974
9200263	C100	494604	0224	4901	49SH	1990/02/05	901502	210986
9200263	C100	494612	0224	4901	49SH	1990/05/07	901505	210994
9200263	C100	494618	0224	4901	49SH	1990/07/03	901507	211000

9200263	C100	494626	0224	4901	49SH	1990/10/02	901509	211008
9200263	C100	494627	0224	4901	49SH	1990/10/29	901509	211009
9200263	C100	494633	0224	4901	49SO	1990/03/07	902403	211015
9200263	C100	494658	0224	4901	49SO	1990/10/04	902410	211040
9200263	C125	046189	0224	4901	49SU	1990/01/20	NULL	210965
9200263	C125	046190	0224	4901	49SU	1990/02/05	NULL	210966
9200263	C125	046191	0224	4901	49SU	1990/04/25	NULL	210967
9200263	C125	046192	0224	4901	49SU	1990/07/06	NULL	210968
9200263	C125	046193	0224	4901	49SU	1990/10/01	NULL	210969
9200263	C100	494602	0224	4901	49SU	1990/02/05	901302	210984
9200263	C100	494610	0224	4901	49SU	1990/04/25	901304	210992
9200263	C100	494616	0224	4901	49SU	1990/07/06	901307	210998
9200263	C100	494623	0224	4901	49SU	1990/09/26	901309	211005
9200263	C100	494631	0224	4901	49SU	1990/02/05	901302	211013
9200263	C100	494640	0224	4901	49SU	1990/04/28	901304	211022
9200263	C100	494648	0224	4901	49SU	1990/07/09	901307	211030
9200263	C100	494655	0224	4901	49SU	1990/10/01	901309	211037
9200263	C100	494656	0224	4901	49SU	1990/10/14	901309	211038
9200263	C125	046199	0224	4901	49TK	1990/02/07	NULL	210975
9200263	C100	494598	0224	4901	49TK	1990/02/07	900005	210980
9200263	C100	494628	0224	4901	49TK	1990/02/07	900005	211010
9200263	C125	046179	0224	4901	49TU	1990/01/26	NULL	210955
9200263	C125	046180	0224	4901	49TU	1990/04/22	NULL	210956
9200263	C125	046181	0224	4901	49TU	1990/08/01	NULL	210957
9200263	C125	046182	0224	4901	49TU	1990/10/26	NULL	210958
9200263	C125	046183	0224	4901	49TU	1990/11/13	NULL	210959
9200263	C100	494603	0224	4901	49TU	1990/01/27	901401	210985
9200263	C100	494611	0224	4901	49TU	1990/04/17	901404	210993
9200263	C100	494617	0224	4901	49TU	1990/07/31	901407	210999
9200263	C100	494624	0224	4901	49TU	1990/10/27	901410	211006
9200263	C100	494625	0224	4901	49TU	1990/11/14	901410	211007
9200263	C100	494632	0224	4901	49TU	1990/01/27	901401	211014
9200263	C100	494641	0224	4901	49TU	1990/04/17	901404	211023
9200263	C100	494649	0224	4901	49TU	1990/07/25	901407	211031
9200263	C100	494657	0224	4901	49TU	1990/10/27	901410	211039
9200263	C125	046200	0224	4901	49WA	1990/05/24	NULL	210976
9200263	C100	494642	0224	4901	49WA	1990/05/22	902305	211024
9200263	C100	494660	0224	4901	49XK	1990/10/09	90SA10	211042
9200263	C100	494643	0224	4901	49YK	1990/05/08	902605	211025
9200263	C100	494659	0224	4901	49YK	1990/11/06	902611	211041
9200263	C100	494650	0224	4901	49ZC	1990/07/31	902507	211032

(97 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	----	-----	----	-----	-----	-----	-----
9200263	C125	046174	492C	26	26	90/02/21	90/03/06
9200263	C125	046175	492C	15	15	90/05/02	90/05/14
9200263	C125	046176	492C	6	6	90/06/06	90/06/07
9200263	C125	046177	492C	7	7	90/07/21	90/07/22
9200263	C125	046178	492C	15	15	90/10/13	90/10/30
9200263	C100	494601	492C	53	NULL	90/02/09	90/03/07
9200263	C100	494608	492C	31	NULL	90/04/20	90/05/07
9200263	C100	494609	492C	26	NULL	90/05/29	90/06/06
9200263	C100	494615	492C	35	NULL	90/07/12	90/07/26
9200263	C100	494621	492C	12	NULL	90/10/03	90/10/12
9200263	C100	494622	492C	23	NULL	90/10/23	90/11/06
9200263	C100	494630	492C	67	NULL	90/02/09	90/03/07
9200263	C100	494638	492C	51	NULL	90/04/20	90/05/07
9200263	C100	494639	492C	26	NULL	90/05/29	90/06/06
9200263	C100	494647	492C	52	NULL	90/07/12	90/07/26
9200263	C100	494653	492C	33	NULL	90/10/03	90/10/13
9200263	C100	494654	492C	45	NULL	90/10/23	90/11/08
9200263	C125	046201	492S	81	80	90/04/12	90/04/29
9200263	C125	046202	492S	42	42	90/07/06	90/07/13
9200263	C125	046203	492S	99	98	90/11/20	90/12/14
9200263	C100	494605	492S	51	NULL	90/04/12	90/04/27
9200263	C100	494619	492S	36	NULL	90/11/21	90/12/10
9200263	C100	494635	492S	56	NULL	90/04/13	90/04/27
9200263	C100	494644	492S	18	NULL	90/07/07	90/07/12
9200263	C100	494651	492S	56	NULL	90/11/20	90/12/14
9200263	L107	L01511	4999	98	98	90/01/01	90/12/31
9200263	L142	L01512	4999	3082	3082	90/01/01	90/12/31
9200263	L142	490000	4999	3082	3082	NULL	NULL
9200263	L107	490000	4999	98	98	NULL	NULL
9200263	C125	046184	49RY	3	3	90/01/20	90/01/20
9200263	C125	046185	49RY	36	36	90/02/03	90/02/24
9200263	C125	046186	49RY	27	27	90/04/21	90/05/04
9200263	C125	046187	49RY	5	5	90/06/16	90/06/18
9200263	C125	046188	49RY	27	27	90/07/03	90/07/23
9200263	C100	494599	49RY	33	NULL	90/01/20	90/02/01
9200263	C100	494600	49RY	5	NULL	90/02/23	90/02/24
9200263	C100	494606	49RY	1	NULL	90/04/22	90/04/22
9200263	C100	494607	49RY	23	NULL	90/05/02	90/05/15
9200263	C100	494613	49RY	51	NULL	90/06/15	90/07/10
9200263	C100	494614	49RY	23	NULL	90/07/23	90/07/30
9200263	C100	494620	49RY	18	NULL	90/10/12	90/10/17
9200263	C100	494629	49RY	62	NULL	90/01/20	90/02/15
9200263	C100	494636	49RY	1	NULL	90/04/22	90/04/22
9200263	C100	494637	49RY	40	NULL	90/05/02	90/05/15
9200263	C100	494645	49RY	51	NULL	90/06/15	90/07/10
9200263	C100	494646	49RY	23	NULL	90/07/23	90/07/30
9200263	C100	494652	49RY	18	NULL	90/10/12	90/10/17
9200263	C100	494634	49SC	81	NULL	90/02/09	90/02/26
9200263	C125	046194	49SH	4	4	90/02/09	90/02/09
9200263	C125	046195	49SH	17	17	90/02/21	90/03/02
9200263	C125	046196	49SH	6	6	90/05/17	90/05/18
9200263	C125	046197	49SH	14	14	90/07/09	90/07/18
9200263	C125	046198	49SH	9	9	90/08/07	90/08/08
9200263	C100	494604	49SH	81	NULL	90/02/05	90/03/02
9200263	C100	494612	49SH	80	NULL	90/05/07	90/05/25
9200263	C100	494618	49SH	91	NULL	90/07/03	90/08/02

9200263	C100	494626	49SH	53	NULL	90/10/02	90/10/16
9200263	C100	494627	49SH	2	NULL	90/10/29	90/10/30
9200263	C100	494633	49SO	8	NULL	90/03/07	90/03/08
9200263	C100	494658	49SO	26	NULL	90/10/04	90/10/05
9200263	C125	046189	49SU	32	32	90/01/20	90/01/22
9200263	C125	046190	49SU	44	44	90/02/05	90/02/18
9200263	C125	046191	49SU	56	56	90/04/25	90/05/17
9200263	C125	046192	49SU	49	49	90/07/06	90/07/29
9200263	C125	046193	49SU	39	39	90/10/01	90/10/23
9200263	C100	494602	49SU	9	NULL	90/02/05	90/02/07
9200263	C100	494610	49SU	25	NULL	90/04/25	90/05/01
9200263	C100	494616	49SU	25	NULL	90/07/06	90/07/15
9200263	C100	494623	49SU	11	NULL	90/09/26	90/10/03
9200263	C100	494631	49SU	9	NULL	90/02/05	90/02/07
9200263	C100	494640	49SU	35	NULL	90/04/28	90/05/17
9200263	C100	494648	49SU	38	NULL	90/07/09	90/07/28
9200263	C100	494655	49SU	15	NULL	90/10/01	90/10/04
9200263	C100	494656	49SU	17	NULL	90/10/14	90/10/17
9200263	C125	046199	49TK	123	123	90/02/07	90/03/12
9200263	C100	494598	49TK	81	NULL	90/02/07	90/03/12
9200263	C100	494628	49TK	81	NULL	90/02/07	90/03/12
9200263	C125	046179	49TU	19	19	90/01/26	90/02/02
9200263	C125	046180	49TU	18	18	90/04/22	90/05/09
9200263	C125	046181	49TU	6	6	90/08/01	90/08/03
9200263	C125	046182	49TU	7	7	90/10/26	90/10/28
9200263	C125	046183	49TU	11	11	90/11/13	90/11/20
9200263	C100	494603	49TU	61	NULL	90/01/27	90/02/23
9200263	C100	494611	49TU	95	NULL	90/04/17	90/05/08
9200263	C100	494617	49TU	11	NULL	90/07/31	90/08/02
9200263	C100	494624	49TU	12	NULL	90/10/27	90/10/29
9200263	C100	494625	49TU	18	NULL	90/11/14	90/11/19
9200263	C100	494632	49TU	128	NULL	90/01/27	90/02/23
9200263	C100	494641	49TU	178	NULL	90/04/17	90/05/18
9200263	C100	494649	49TU	33	NULL	90/07/25	90/08/02
9200263	C100	494657	49TU	68	NULL	90/10/27	90/11/26
9200263	C125	046200	49WA	6	6	90/05/24	90/05/26
9200263	C100	494642	49WA	25	NULL	90/05/22	90/05/27
9200263	C100	494660	49XK	73	NULL	90/10/09	90/10/27
9200263	C100	494643	49YK	56	NULL	90/05/08	90/05/20
9200263	C100	494659	49YK	19	NULL	90/11/06	90/11/15
9200263	C100	494650	49ZC	40	NULL	90/07/31	90/08/01

(97 rows affected)