

ACCESSION NO. 9100074

FILETYPE F191

TRACK NO 350098-114 PROJECT IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4-16-91	C.M.H.	A01410 *	1	120	4080	187,578
DUPLICATE TAPE	7-9-91	FJM	W18798 **	1	120	4800	187,592
REFORMATTED TAPE			Pulled 07/29/91				
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* NL, ASCII, 1600 B.P.I.
 ** NL, ASCII, 6250 B.P.I.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

681,468 records

ACCESSION NO. 9100074 FILETYPE F191

TRACK NO. _____ PROJECT IDENTIFICATION _____
BS0115-129

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4-16-91	CMH	A01411 *	1	120	4080	205,088
DUPLICATE TAPE	7-12-91	FJM	W18800 **	1	120	4800	205,096
REFORMATTED TAPE			pulled 07/21/91				
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* = 1600 b.p.i., NL
 ** = 6250 b.p.i., NL

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 9100074 FILETYPE F191

TRACK NO. BS0130-147

PROJECT IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4-16-91	C.M.H.	A01412 *	1	120	4080	191930
DUPLICATE TAPE	7-22-91	FJMA	W00206**	1	120	4800	191947
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* = NL, 1600 B.P.I.
 ** = NL, 6250 B.P.I.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 9100074

FILETYPE F191

TRACK NO. _____
B50148-0197

PROJECT IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4-16-91	CMH	A01413*	1	120	4080	96,866
DUPLICATE TAPE	7-25-91	FJM	W01193**	1	120	4080	96,839
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* NL, 1600 BPI
** NL, 6250 BPI

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Data Buoy Center
Stennis Space Center, Mississippi 39529-6000

March 28, 1991

F1804-02
DB3:91-0150
SPN: idm

Mr. Anthony Picciolo
Chief, Data Acquisition And Management Branch
NODC/NESDIS/NOAA
Universal South
1825 Connecticut Avenue, N.W.
Room 416
Washington, DC 20235

Dear Mr. Picciolo:

Enclosed are the February 1991, Nine Track, 1600 BPI, archive tapes, recorded in the 191 tape format. The enclosure contains a list of stations and the inclusive dates that are on each tape.

If you have any questions, please call B. G. Redmon at FTS 494-2834, or Commercial (601) 688-2834.

Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures

9100074

A 1410
A 1411
A 1412
A 1413



User Name <i>Cliff Hadley</i>	Phone # <i>673-5636</i>	Org/Task <i>EG12008A3449</i>	Submit Date <i>04/15/91</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 AΦ141Φ

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 AΦ141Φ to Bin 09

JOB INPUT

Id#/Filename: *AΦ141Φ*

Medium: Tape Disk Diskette Other Specify:
 Code: ASCII EBCDIC Binary Other Specify:
 Tape Specs: 80 132 160 210 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: *9/18415 & 4*
 Completed By: *J.B.*

Date/Time Start: *4-16-91/10:15*
 Date/Time Completed: *4-16-91/10:25*

User Name <i>Cliff Hadley</i>	Phone # <i>673-5436</i>	Org/Task <i>EG12008A3AH9</i>	Submit Date <i>04/15/91</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 A01411

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 A01411 to Bin 09

JOB INPUT

Id#/Filename: *A01411*

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: *91441505 g.s.*
Completed By:

Date/Time Start: *4-16-91/10:30*
Date/Time Completed: *4-16-91/10:35*

User Name <i>Cliff Hadley</i>	Phone # <i>673-5436</i>	Org/Task <i>EG12008A3A/H9</i>	Submit Date <i>04/15/91</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 AΦ1412

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 AΦ1412 to Bin 09

JOB INPUT

Id#/Filename: *AΦ1412*

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: *91041546* Date/Time Start: *4-16-91/10:40*

Completed By: *J.S.* Date/Time Completed: *4-16-91/10:50*

User Name <i>Cliff Hadley</i>	Phone # <i>673-5636</i>	Org/Task <i>CFI2008A3449</i>	Submit Date <i>04/15/91</i>	Due Date <i>ASAP</i>
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PART A

Request/Problem Category

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

Request/Problem Description:

Please scan tape A01413

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 A01413 to Bin 09

JOB INPUT

Id#/Filename: A01413

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: *91445479.8*

Completed By: _____

Date/Time Start: *4-16-91/10:55*

Date/Time Completed: *4-16-91/11:05*

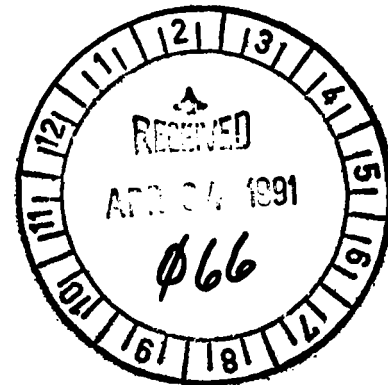
Attachment

Tape 1: 41001 02019100-02079114
41002 02019100-02289123
41006 02019100-02239109
41008 02019100-02289123
41009 02019100-02289123
41010 02019100-02289123
42001 02019100-02289123
42002 02019100-02289123
42003 02019100-02289123
42007 02019100-02199112
42019 02019100-02289123
42020 02019100-02289123
44001 02019100-02289123
44004 02019100-02289123
44005 02019100-02289123
44007 02019100-02289123
44008 02019100-02289123

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Tape 2: 44009 02019100-02289123
44011 02019100-02289123
44012 02019100-02289123
44013 02019100-02289123
44014 02019100-02289123
44015 02019100-02289123
44023 02019100-02289123
45002 02019100-02289123
45004 02019100-02289123
46001 02019100-02289123
46002 02019100-02289123
46003 02019100-02289123
46005 02019100-02289123
46010 02019100-02289123
46011 02019100-02289123

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Tape 3 46012 02019100-02289123
46013 02019100-02289123
46014 02019100-02289123
46022 02169122-02289123
46023 02019100-02289123
46025 02019100-02289123
46026 02019100-02289123
46027 02019100-02289123
46028 02019100-02289123
46030 02189121-02289123
46035 02019100-02289123
46041 02229120-02289123
46042 02019100-02289123
46045 02019100-02289123

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51001 02019100-02289123
51002 02019100-02289123
51003 02019100-02289123
51004 02199106-02289123

Tape 4 ALSN6 02019100-02279123
BURL1 02019100-02289123
BUSL1 02019100-02289123
BUZM3 02019100-02289123
CARO3 02019100-02289123
CHLV2 02019100-02289123
CLKN7 02019100-02289123
CSBF1 02019100-02289123
DBLN6 02019100-02289123
DESW1 02019100-02289123
DISW3 02019100-02289123
DPIA1 02019100-02289123
DSLN7 02019100-02289123
ENIP2 02019100-02289123
FBIS1 02019100-02289123
FFIA2 02019100-02289123
FPSN7 02019100-02289123
GBCL1 02019100-02289123
GDIL1 02019100-02289123
GLLN6 02019100-02289123
IOSN3 02019100-02289123
KOSP2 02019100-02289123
LKWF1 02019100-02289123
MDRM1 02019100-02289123
MISM1 02019100-02289123
MLIP2 02019100-02289123
MLRF1 02019100-02289123
MPCL1 02019100-02289123
NWPO3 02019100-02289123
PAGP2 02019100-02289123
PILM4 02019100-02289123
PTAC1 02019100-02289123
PTAT2 02019100-02289123
PTGC1 02019100-02289123
ROAM4 02019100-02289123
SANF1 02019100-02289123
SAUF1 02019100-02289123
SBIO1 02019100-02289123
SGNW3 02019100-02289123
SISW1 02019100-02289123
SMKF1 02019100-02289123
SPGF1 02019100-02289123
SRST2 02019100-02289123
STDMA 02019100-02289123
SVLS1 02019100-02289123
TPLM2 02019100-02289123
TTIW1 02019100-02289123
UJAP2 02019100-02289123
VENF1 02019100-02289123

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100

WPOW1 02019100-02289123

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

Record type "1" (position 10) is Descriptive. The file, platform, location, sampling and originator are described.
 Record type "2" is Environmental Data. File keys are included along with meteorology and wave conditions.
 Record type "3" is Wave Spectra Data.
 Record type "4" is Subsurface Temperature Data.
 Record type "5" is other Subsurface Data.
 Record type "6" is Co and Quad Spectra for Directional Waves.
 Record type "7" is Angular Fourier Coefficients for Directional Waves.
 Record type "8" is Directional Wave Data.
 Record type "9" is Continuous Wind Measurements.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

9100074

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____
 ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 356 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4080</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

RECORD FORMAT DESCRIPTION

RECORD NAME

FILE NAME: Meteorology and Wave Spectra (FILE Type "191")

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DESCRIPTIVE HEADER RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"1" (Descriptive header record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
LATITUDE	27	6	Bytes	3I2	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1	Byte	A1	"N" or "S" Hemisphere
LONGITUDE	34	7	Bytes	13, 2I2	Degrees, Minutes, Seconds
LOH. HEMISPHERE	41	1	Byte	A1	"E" OR "W" HEMISPHERE
BOTTOM DEPTH	42	5	Bytes	I5	Meters to tenths
MAGNETIC VARIATION	47	4	Bytes	I4	Whole degrees from true north (signed value)
BUOY HEADING*	51	3	Bytes	I3	Whole degrees from true north
WAVE SAMPLING RATE*	54	4	Bytes		I4Original measurements per minute to tenths
WAVE SAMPLING DURATION*	58	4	Bytes	I4	Minutes to hundredths
WAVE TOTAL INTERVALS*	62	3	Bytes	I3	Number of frequency intervals
CHIEF SCIENTIST	65	20	Bytes		A20(optional)
INSTITUTION	85	20	Bytes	A20	Data source
WIND SAMPLING DURATION	105	3	Bytes	I3	Minutes to tenths
COMMENTS *for buoy data only	108	13	Bytes		A13 RECORD LENGTH IS 120
ENVIRONMENTAL DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"2" (environmental data rec.)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
ALTITUDE	27	3	Bytes	I3	Meteorology alt., meters to tenths
AIR TEMP	30	4	Bytes	I4	Temperature, Celsius to tenths
DEW POINT	34	4	Bytes	I4	Temperature, Celsius to tenths
BAROMETER	38	5	Bytes	I5	Millibars to tenths (reduced to sea level)
WIND SPEED	43	4	Bytes	I4	Meters/sec. to hundredths
WIND DIRECTION	47	4	Bytes	I4	From true north, degrees to tenths
WEATHER	51	1	Byte	I1	Current weather (WMO Code 4501)
VISIBILITY	52	3	Bytes	I3	Nautical miles, to tenths

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., Min, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
PRECIPITATION	55	4	Bytes	I4	Accumulation in millimeters
SOLAR RADIATION	59	3	Bytes	I3	Langleys/minute to hundredths wave length less than 3.6
SOLAR RADIATION	62	3	Bytes	I3	Langleys/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT *	65	3	Bytes	I3	Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD *	68	3	Bytes	I3	Seconds to tenths
DOMINANT WAVE DIRECTION	71	3	Bytes	I3	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3	Bytes	I3	Meters to tenths, from refer- ence level
DEEPEST TROUGH SEA SURFACE	77	3	Bytes	I3	Meters to tenths, from refer- ence level
TEMPERATURE SEA SURFACE	80	4	Bytes	I4	Temperature Celsius to hundredths
SALINITY	84	5	Bytes	I5	Parts per thousand to thousandths
CONDUCTIVITY	89	5	Bytes	I5	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD *	94	3	Bytes	I3	Seconds to tenths
MAXIMUM WAVE HEIGHT	97	3	Bytes	I3	Meters to tenths
MAXIMUM WAVE STEEPNESS	100	3	Bytes	I3	To be defined
WIND GUST	103	4	Bytes	I4	Meters/sec. to hundredths
WIND GUST(avg.pd.) AVERAGING PERIOD	107	2	Bytes	I2	Seconds
WIND GUST	109	4	Bytes	I4	Meters/sec. to hundredths
WIND GUST	113	2	Bytes	I2	Seconds
WIND SPEED(58 min. average)	115	3	Bytes	I3	Meters/sec. to tenths whole degrees
WIND DIRECTION(58 min. average)	118	3	Bytes	I3	Whole degrees
* Significant wave height, average wave period, and dominant wave period are set to zero when significant wave height is less than 0.15 meters.					
WAVE SPECTRA DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191 (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"3"(Wave Spectra Data Record)
STATION	11	3	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
INTERVALS PER DIRECTION	27	3	Bytes	I3	Zero for non-directional spectra, or total number of frequencies in this direction

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., Min, Byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
WAVE SPECTRA DATA RECORD (cont'd)					
DIRECTION	30	4	Bytes	I4	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record
COUNT	34	1	Byte	I1	Number of frequencies on this record
DATA	35	70	Bytes	5(2I4,I6)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35,49,63 77,91	4	Bytes	I4	Center frequency of interval in Hertz to thousandths
Resolution	39,53,67 81,95	4	Bytes	I4	Resolution of interval in Hertz to ten-thousandths
Density	43,57,71 85,99	6	Bytes	I6	Spectral Density of interval in m ² /Hz to thousandths
BLANKS	105	16	Bytes	16X	Fill the fixed length record
SUBSURFACE TEMPERATURE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"4" (Subsurface Temperature Data Record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
DATA	27	90	Bytes	10(I5,I4)	Up to 10 Depth and temperature fields
Depth	27,36,45 54,63,72 81,90,99 108	5	Bytes	I5	Obs. level, meters to tenths
Temperature	32,41,50 59,68,77 86,95,104 113	4	Bytes	I4	Degrees Celsius to hundredths (include Sea Surface temperature)
BLANKS	117	4	Bytes	4X	Fill the fixed length record
SUBSURFACE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"5" (Subsurface Data Record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)

RECORD NAME

File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN <small>(e.g., Mts, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
SUBSURFACE DATA RECORD (cont'd)					
DATA	27	90	Bytes	3(15,15,15,15,15,15)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27,57,87	5	Bytes	15	Obs. Level, meters to tenths
U Component	32,62,92	5	Bytes	15	East vector in cm/sec. to tenths
V Component	37,67,97	5	Bytes	15	True north vector in cm/sec. to tenths
Pressure	42,72,102	5	Bytes	15	Kg./cm ² to hundredths
Conductivity	47,77,107	5	Bytes	15	Millimhos/cm to thousandths
Salinity	52,82,112	5	Bytes	15	Parts per 1000 to thousandths
BLANKS	117	4	Bytes	4X	Fill the fixed length record

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
CO AND QUAD SPECTRA FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	I3	Always "191"
FILE DATE	4	6	Bytes	3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1	Byte	A1	Always "6"
STATION NUMBER	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, minutes (GMT)
FREQUENCY	27	4	Bytes	I4	Center frequency of interval in Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	I5	Spectral resolution of this frequency band in Hz to ten thousandths
CO-SPECTRA C ₁₁	36	6	Bytes	Signed Integers I6	Up to 9 <u>uncorrected</u> values of Co and Quad spectra in meters squared/Hz. The order these spectra are presented is: C ₁₁ , C ₂₂ , C ₃₃ , C ₁₂ , Q ₁₂ , C ₁₃ , Q ₁₃ , C ₂₃ , and Q ₂₃
EXPONENT	42	2	Bytes	I2	Where subscripts are defined as follows:
CO-SPECTRA C ₂₂	44	6	Bytes	I6	1. Heave
EXPONENT	50	2	Bytes	I2	2. E-W Slope
CO-SPECTRA C ₃₃	52	6	Bytes	I6	3. N-S Slope
EXPONENT	58	2	Bytes	I2	
CO-SPECTRA C ₁₂	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
QUAD-SPECTRA Q ₁₂	68	6	Bytes	I6	If the exponent is less than -9 the exponent and its associated spectra should be zero
EXPONENT	74	2	Bytes	I2	
CO-SPECTRA C ₁₃	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
QUAD-SPECTRA Q ₁₃	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
CO-SPECTRA C ₂₃	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
QUAD-SPECTRA Q ₂₃	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
C ₂₂ - C ₃₃	108	6	Bytes	I6	
EXPONENT	114	2	Bytes	I2	
BLANKS	116	5	Bytes	5x	

RECORD FORMAT DESCRIPTION

File Type "191"

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
ANGULAR COEFFICIENTS FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	I3	Always "191"
FILE DATE	4	6	Bytes	3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1	Byte	A1	Always "7"
STATION NUMBER	11	6	Bytes	A6	same as "1"
OBSERVED DATE	17	6	Bytes	3I2	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hour, minutes (GMT)
FREQUENCY	27	4	Bytes	I4	Center frequency of interval Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	I5	Spectral resolution of this frequency band in Hz to ten thousandths
ANGULAR FOURIER	36	6	Bytes	signed integers I6	Up to 9 <u>corrected</u> values of the angular fourier coefficients in meters ² /Hz. The order of these coefficients is: a ₀ , a ₁ , b ₁ , a ₂ , b ₂ , a ₃ , b ₃ , a ₄ , b ₄
EXPONENT	42	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	44	6	Bytes	I6	
EXPONENT	50	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	52	6	Bytes	I6	
EXPONENT	58	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	68	6	Bytes	I6	
EXPONENT	74	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
MEAN WAVE DIRECTION	108	3	Bytes	I3	Mean wave direction given by arctan b ₁ /a ₁ in whole degrees from true north (opt. entry)
BLANKS	111	10	Bytes	10X	Blanks

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., Min, Bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DIRECTIONAL WAVE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (Constant)
FILE DATE	4	6	Bytes	312	Yr., Mo., Day of file generation
RECORD TYPE	10	1	Byte	A1	"8" (Directional Wave Data Record)
STATION	11	6	Bytes	A6	Inique name of observation point
OBSERVED DATE	17	6	Bytes	312	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	212	Hours, Minutes (GMT)
COUNT	27	1	Byte	I1	Number of Frequencies on this Record (=1,2,or3)
FREQUENCY	28	4	Bytes	14	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	32	4	Bytes	14	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	36	4	Bytes	14	Recorded to Nearest Hundredth
R2 (see below)	40	4	Bytes	14	Recorded to Nearest Hundredth
A1 (see below)	44	4	Bytes	14	Recorded in Degrees to Tenths
A2 (see below)	48	4	Bytes	14	Recorded in Degrees to Tenths
C11S (see below)	52	6	Bytes	16	Recorded in Meters Squared HZ to Thousandths
FREQUENCY	58	4	Bytes	14	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	62	4	Bytes	14	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	66	4	Bytes	14	Recorded to Nearest Hundredth
R2 (see below)	70	4	Bytes	14	Recorded to Nearest Hundredth
A1 (see below)	74	4	Bytes	14	Recorded in Degrees to Tenths
A2 (see below)	78	4	Bytes	14	Recorded in Degrees to Tenths
C11S (see below)	82	6	Bytes	16	Recorded in Meters Squared/HZ to Thousandths
FREQUENCY	88	4	Bytes	14	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	92	4	Bytes	14	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	96	4	Bytes	14	Recorded to Nearest Hundredth
R2 (see below)	100	4	Bytes	14	Recorded to Nearest Hundredth
A1 (see below)	104	4	Bytes	14	Recorded to Degrees to Tenths
A2 (see below)	108	4	Bytes	14	Recorded in Degrees to Tenths
C11S (see below)	112	6	Bytes	16	Recorded in Meters Squared/HZ to Thousandths
BLANKS	118	3	Bytes	3X	Fill the fixed lengths record
<p>NOTE: DIRECTIONAL WAVE SPECTRA - $S(F,A)*D(F,A)$, in which F = FREQ(HZ), A = Azimuth Angle measured clockwise from North to direction wave is from. $D(F,A) = (1/PI)*((1/2)+R1*COS(A-A1)+R2*COS(2*(A-A2)))$, in which R1 and R2 are dimensionless and A1 and A2 are respectively mean and principal wave directions. In terms of Longuet-Higgins Fourier Coefficients, $R1 = (SQRT(A1*A1+B1*B1))/A0$, $R2 = (SQRT(A2*A2+B2*B2))/A0$, $A1 = ARCTAN(B1,A1)$, $A2 = (1/2)ARCTAN(B2,A2) + 0$ or PI. $C11S(M*M/HZ) = (C22+0.33)/(K*K)$ in which K, the propagation constant, is the solution to $W*W = G*K*TANH(K*D)$, in which $W = 2*PI*F$, $G = 9.806$ M/(SEC*SEC), and D is mean water depth in meters.</p>					

RECORD FORMAT DESCRIPTION.

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., Mb, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
CONTINUOUS WIND MEASUREMENT					
FIELD TYPE	1	3	Bytes	I3	Always "191"
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	Always "9"
STATION NUMBER	11	6	Bytes	A6	See Record '1'
REPORT DATE	17	6	Bytes	3I2	Year, Month, Day (UTC)
REPORT TIME	23	4	Bytes	2I2	Hour, Minutes (UTC)
SPEED AVERAGING METHOD	27	1	Byte	I1	1-Vector, 2-Scalar
STANDARD DEVIATION OF HOURLY SPEED	28	3	Bytes	I3	M/S to Tenths
STANDARD DEVIATION OF HOURLY DIRECTION ¹	31	4	Bytes	I4	Whole Degrees
HOURLY PEAK WIND DIRECTION OF HOURLY PEAK	35	3	Bytes	I3	M/S to Tenths
MINUTE OF HOURLY PEAK	38	3	Bytes	I3	Whole Degrees
END OF ACQUISITION TIME	41	2	Bytes	I2	Minutes (UTC)
FIRST AVERAGE DIRECTION ²	43	4	Bytes	2I2	Hour, Minutes (UTC)
FIRST AVERAGE SPEED	47	3	Bytes	I3	Whole Degrees
SECOND AVERAGE DIRECTION	50	3	Bytes	I3	M/S to Tenths
SECOND AVERAGE SPEED	53	3	Bytes	I3	Whole Degrees
THIRD AVERAGE DIRECTION	56	3	Bytes	I3	M/S to Tenths
THIRD AVERAGE SPEED	59	3	Bytes	I3	Whole Degrees
FOURTH AVERAGE DIRECTION	62	3	Bytes	I3	M/S to Tenths
FOURTH AVERAGE SPEED	65	3	Bytes	I3	Whole Degrees
FIFTH AVERAGE DIRECTION	68	3	Bytes	I3	M/S to Tenths
FIFTH AVERAGE SPEED	71	3	Bytes	I3	Whole Degrees
SIXTH AVERAGE DIRECTION	74	3	Bytes	I3	M/S to Tenths
SIXTH AVERAGE SPEED	77	3	Bytes	I3	Whole Degrees
SIXTH AVERAGE SPEED	80	3	Bytes	I3	M/S to Tenths

File Type ¹⁰¹ RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN <small>(e.g., bit, byte)</small>	16. LENGTH NUMBER UNITS		17. ATTRIBUTES	18. USE AND MEANING
CONTINUOUS WIND MEASUREMENT (Cont'd)					
<p>¹Expansion Parameter.</p> <p>²Ten minute average winds are measured for minutes 0-9, 10-19, 20-29, 30-39, 40-49, and 50-59. The first set is for the ten minute period ending immediately before the End of Acquisition time. The remaining sets go back in time.</p> <p>For example, if End of Acquisition is 10:25, then the First Average will be for the time period 10:10 to 10:19, and the Second Average will be for the period 10:00 to 10:09. If End of Acquisition is 10:30, then the First Average will be for the time period 10:20 to 10:29.</p>					

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9100074	F291	BS0157	9999	313B	317F	1991/02/01	DESW1	197855
9100074	F291	BS0158	9999	313B	317F	1991/02/01	DISW3	197856
9100074	F291	BS0159	9999	313B	317F	1991/02/01	DPIA1	197857
9100074	F291	BS0160	9999	313B	317F	1991/02/01	DSLN7	197858
9100074	F291	BS0161	9999	313B	317F	1991/02/01	ENIP2	197859
9100074	F291	BS0162	9999	313B	317F	1991/02/01	FBIS1	197860
9100074	F291	BS0163	9999	313B	317F	1991/02/01	FFIA2	197861
9100074	F291	BS0164	9999	313B	317F	1991/02/01	FPSN7	197862
9100074	F291	BS0165	9999	313B	317F	1991/02/01	GBCL1	197863
9100074	F291	BS0166	9999	313B	317F	1991/02/01	GDIL1	197864
9100074	F291	BS0167	9999	313B	317F	1991/02/01	GLLN6	197865
9100074	F291	BS0168	9999	313B	317F	1991/02/01	IOSN3	197866
9100074	F291	BS0169	9999	313B	317F	1991/02/01	KOSP2	197867
9100074	F291	BS0170	9999	313B	317F	1991/02/01	LKWF1	197868
9100074	F291	BS0171	9999	313B	317F	1991/02/01	MDRM1	197869
9100074	F291	BS0172	9999	313B	317F	1991/02/01	MISM1	197870
9100074	F291	BS0173	9999	313B	317F	1991/02/01	MLIP2	197871
9100074	F291	BS0174	9999	313B	317F	1991/02/01	MLRF1	197872
9100074	F291	BS0175	9999	313B	317F	1991/02/01	MPCL1	197873
9100074	F291	BS0176	9999	313B	317F	1991/02/01	NWPO3	197874
9100074	F291	BS0177	9999	313B	317F	1991/02/01	PAGP2	197875
9100074	F291	BS0178	9999	313B	317F	1991/02/01	PILM4	197876
9100074	F291	BS0179	9999	313B	317F	1991/02/01	PTAC1	197877
9100074	F291	BS0180	9999	313B	317F	1991/02/01	PTAT2	197878
9100074	F291	BS0181	9999	313B	317F	1991/02/01	PTGC1	197879
9100074	F291	BS0182	9999	313B	317F	1991/02/01	ROAM4	197880
9100074	F291	BS0183	9999	313B	317F	1991/02/01	SANF1	197881
9100074	F291	BS0184	9999	313B	317F	1991/02/01	SAUF1	197882
9100074	F291	BS0185	9999	313B	317F	1991/02/01	SBIO1	197883
9100074	F291	BS0186	9999	313B	317F	1991/02/01	SGNW3	197884
9100074	F291	BS0187	9999	313B	317F	1991/02/01	SISW1	197885
9100074	F291	BS0188	9999	313B	317F	1991/02/01	SMKF1	197886
9100074	F291	BS0189	9999	313B	317F	1991/02/01	SPGF1	197887
9100074	F291	BS0190	9999	313B	317F	1991/02/01	SRST2	197888
9100074	F291	BS0191	9999	313B	317F	1991/02/01	STDMA	197889
9100074	F291	BS0192	9999	313B	317F	1991/02/01	SVLS1	197890
9100074	F291	BS0193	9999	313B	317F	1991/02/01	TPLM2	197891
9100074	F291	BS0194	9999	313B	317F	1991/02/01	TTIW1	197892
9100074	F291	BS0195	9999	313B	317F	1991/02/01	UJAP2	197893
9100074	F291	BS0196	9999	313B	317F	1991/02/01	VENF1	197894
9100074	F291	BS0197	9999	313B	317F	1991/02/01	WPOW1	197895
9100074	F291	BS0098	9999	313B	317F	1991/02/01	41001	197796
9100074	F291	BS0099	9999	313B	317F	1991/02/01	41002	197797
9100074	F291	BS0100	9999	313B	317F	1991/02/01	41006	197798
9100074	F291	BS0101	9999	313B	317F	1991/02/01	41008	197799
9100074	F291	BS0102	9999	313B	317F	1991/02/01	41009	197800
9100074	F291	BS0103	9999	313B	317F	1991/02/01	41010	197801
9100074	F291	BS0104	9999	313B	317F	1991/02/01	42001	197802
9100074	F291	BS0105	9999	313B	317F	1991/02/01	42002	197803
9100074	F291	BS0106	9999	313B	317F	1991/02/01	42003	197804
9100074	F291	BS0107	9999	313B	317F	1991/02/01	42007	197805
9100074	F291	BS0108	9999	313B	317F	1991/02/01	42019	197806
9100074	F291	BS0109	9999	313B	317F	1991/02/01	42020	197807
9100074	F291	BS0110	9999	313B	317F	1991/02/01	44001	197808
9100074	F291	BS0111	9999	313B	317F	1991/02/01	44004	197809
9100074	F291	BS0112	9999	313B	317F	1991/02/01	44005	197810

9100074	F291	BS0113	9999	313B	317F	1991/02/01	44007	197811
9100074	F291	BS0114	9999	313B	317F	1991/02/01	44008	197812
9100074	F291	BS0115	9999	313B	317F	1991/02/01	44009	197813
9100074	F291	BS0116	9999	313B	317F	1991/02/01	44011	197814
9100074	F291	BS0117	9999	313B	317F	1991/02/01	44012	197815
9100074	F291	BS0118	9999	313B	317F	1991/02/01	44013	197816
9100074	F291	BS0119	9999	313B	317F	1991/02/01	44014	197817
9100074	F291	BS0120	9999	313B	317F	1991/02/01	44015	197818
9100074	F291	BS0121	9999	313B	317F	1991/02/01	44023	197819
9100074	F291	BS0122	9999	313B	317F	1991/02/01	45002	197820
9100074	F291	BS0123	9999	313B	317F	1991/02/01	45004	197821
9100074	F291	BS0124	9999	313B	317F	1991/02/01	46001	197822
9100074	F291	BS0125	9999	313B	317F	1991/02/01	46002	197823
9100074	F291	BS0126	9999	313B	317F	1991/02/01	46003	197824
9100074	F291	BS0127	9999	313B	317F	1991/02/01	46005	197825
9100074	F291	BS0128	9999	313B	317F	1991/02/01	46010	197826
9100074	F291	BS0129	9999	313B	317F	1991/02/01	46011	197827
9100074	F291	BS0130	9999	313B	317F	1991/02/01	46012	197828
9100074	F291	BS0131	9999	313B	317F	1991/02/01	46013	197829
9100074	F291	BS0132	9999	313B	317F	1991/02/01	46014	197830
9100074	F291	BS0133	9999	313B	317F	1991/02/16	46022	197831
9100074	F291	BS0134	9999	313B	317F	1991/02/01	46023	197832
9100074	F291	BS0135	9999	313B	317F	1991/02/01	46025	197833
9100074	F291	BS0136	9999	313B	317F	1991/02/01	46026	197834
9100074	F291	BS0137	9999	313B	317F	1991/02/01	46027	197835
9100074	F291	BS0138	9999	313B	317F	1991/02/01	46028	197836
9100074	F291	BS0139	9999	313B	317F	1991/02/18	46030	197837
9100074	F291	BS0140	9999	313B	317F	1991/02/01	46035	197838
9100074	F291	BS0141	9999	313B	317F	1991/02/22	46041	197839
9100074	F291	BS0142	9999	313B	317F	1991/02/01	46042	197840
9100074	F291	BS0143	9999	313B	317F	1991/02/01	46045	197841
9100074	F291	BS0144	9999	313B	317F	1991/02/01	51001	197842
9100074	F291	BS0145	9999	313B	317F	1991/02/01	51002	197843
9100074	F291	BS0146	9999	313B	317F	1991/02/01	51003	197844
9100074	F291	BS0147	9999	313B	317F	1991/02/19	51004	197845
9100074	F291	BS0148	9999	313B	317F	1991/02/01	ALSN6	197846
9100074	F291	BS0149	9999	313B	317F	1991/02/01	BURL1	197847
9100074	F291	BS0150	9999	313B	317F	1991/02/01	BUSL1	197848
9100074	F291	BS0151	9999	313B	317F	1991/02/01	BUZM3	197849
9100074	F291	BS0152	9999	313B	317F	1991/02/01	CARO3	197850
9100074	F291	BS0153	9999	313B	317F	1991/02/01	CHLV2	197851
9100074	F291	BS0154	9999	313B	317F	1991/02/01	CLKN7	197852
9100074	F291	BS0155	9999	313B	317F	1991/02/01	CSBF1	197853
9100074	F291	BS0156	9999	313B	317F	1991/02/01	DBLN6	197854

(100 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
9100074	F291	BS0157	317F	1	1344	91/02/01	91/02/28
9100074	F291	BS0158	317F	1	1336	91/02/01	91/02/28
9100074	F291	BS0159	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0160	317F	1	7209	91/02/01	91/02/28
9100074	F291	BS0161	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0162	317F	1	1344	91/02/01	91/02/28
9100074	F291	BS0163	317F	1	1340	91/02/01	91/02/28
9100074	F291	BS0164	317F	1	1908	91/02/01	91/02/28
9100074	F291	BS0165	317F	1	2007	91/02/01	91/02/28
9100074	F291	BS0166	317F	1	2010	91/02/01	91/02/28
9100074	F291	BS0167	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0168	317F	1	1294	91/02/01	91/02/28
9100074	F291	BS0169	317F	1	1340	91/02/01	91/02/28
9100074	F291	BS0170	317F	1	2005	91/02/01	91/02/28
9100074	F291	BS0171	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0172	317F	1	1296	91/02/01	91/02/28
9100074	F291	BS0173	317F	1	1344	91/02/01	91/02/28
9100074	F291	BS0174	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0175	317F	1	1995	91/02/01	91/02/28
9100074	F291	BS0176	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0177	317F	1	1334	91/02/01	91/02/28
9100074	F291	BS0178	317F	1	1336	91/02/01	91/02/28
9100074	F291	BS0179	317F	1	1344	91/02/01	91/02/28
9100074	F291	BS0180	317F	1	2013	91/02/01	91/02/28
9100074	F291	BS0181	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0182	317F	1	1214	91/02/01	91/02/28
9100074	F291	BS0183	317F	1	2004	91/02/01	91/02/28
9100074	F291	BS0184	317F	1	2000	91/02/01	91/02/28
9100074	F291	BS0185	317F	1	1176	91/02/01	91/02/28
9100074	F291	BS0186	317F	1	1340	91/02/01	91/02/28
9100074	F291	BS0187	317F	1	1344	91/02/01	91/02/28
9100074	F291	BS0188	317F	1	1324	91/02/01	91/02/28
9100074	F291	BS0189	317F	1	1995	91/02/01	91/02/28
9100074	F291	BS0190	317F	1	1805	91/02/01	91/02/28
9100074	F291	BS0191	317F	1	1340	91/02/01	91/02/28
9100074	F291	BS0192	317F	1	6925	91/02/01	91/02/28
9100074	F291	BS0193	317F	1	1999	91/02/01	91/02/28
9100074	F291	BS0194	317F	1	1344	91/02/01	91/02/28
9100074	F291	BS0195	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0196	317F	1	2016	91/02/01	91/02/28
9100074	F291	BS0197	317F	1	1345	91/02/01	91/02/28
9100074	F291	BS0098	317F	1	1749	91/02/01	91/02/07
9100074	F291	BS0099	317F	1	8054	91/02/01	91/02/28
9100074	F291	BS0100	317F	1	5784	91/02/01	91/02/23
9100074	F291	BS0101	317F	1	40992	91/02/01	91/02/28
9100074	F291	BS0102	317F	1	13430	91/02/01	91/02/28
9100074	F291	BS0103	317F	1	13412	91/02/01	91/02/28
9100074	F291	BS0104	317F	1	7392	91/02/01	91/02/28
9100074	F291	BS0105	317F	1	7355	91/02/01	91/02/28
9100074	F291	BS0106	317F	1	6225	91/02/01	91/02/28
9100074	F291	BS0107	317F	1	1295	91/02/01	91/02/19
9100074	F291	BS0108	317F	1	6712	91/02/01	91/02/28
9100074	F291	BS0109	317F	1	6720	91/02/01	91/02/28
9100074	F291	BS0110	317F	1	40693	91/02/01	91/02/28
9100074	F291	BS0111	317F	1	7127	91/02/01	91/02/28
9100074	F291	BS0112	317F	1	7370	91/02/01	91/02/28

9100074	F291	BS0113	317F	1	6694	91/02/01	91/02/28
9100074	F291	BS0114	317F	1	6588	91/02/01	91/02/28
9100074	F291	BS0115	317F	1	6704	91/02/01	91/02/28
9100074	F291	BS0116	317F	1	6947	91/02/01	91/02/28
9100074	F291	BS0117	317F	1	6692	91/02/01	91/02/28
9100074	F291	BS0118	317F	1	6710	91/02/01	91/02/28
9100074	F291	BS0119	317F	1	40872	91/02/01	91/02/28
9100074	F291	BS0120	317F	1	37961	91/02/01	91/02/28
9100074	F291	BS0121	317F	1	38801	91/02/01	91/02/28
9100074	F291	BS0122	317F	1	8064	91/02/01	91/02/28
9100074	F291	BS0123	317F	1	8042	91/02/01	91/02/28
9100074	F291	BS0124	317F	1	7384	91/02/01	91/02/28
9100074	F291	BS0125	317F	1	7392	91/02/01	91/02/28
9100074	F291	BS0126	317F	1	7383	91/02/01	91/02/28
9100074	F291	BS0127	317F	1	7351	91/02/01	91/02/28
9100074	F291	BS0128	317F	1	6720	91/02/01	91/02/28
9100074	F291	BS0129	317F	1	8073	91/02/01	91/02/28
9100074	F291	BS0130	317F	1	8064	91/02/01	91/02/28
9100074	F291	BS0131	317F	1	8032	91/02/01	91/02/28
9100074	F291	BS0132	317F	1	8064	91/02/01	91/02/28
9100074	F291	BS0133	317F	1	2708	91/02/16	91/02/28
9100074	F291	BS0134	317F	1	8044	91/02/01	91/02/28
9100074	F291	BS0135	317F	1	22695	91/02/01	91/02/28
9100074	F291	BS0136	317F	1	6672	91/02/01	91/02/28
9100074	F291	BS0137	317F	1	6660	91/02/01	91/02/28
9100074	F291	BS0138	317F	1	8040	91/02/01	91/02/28
9100074	F291	BS0139	317F	1	2228	91/02/18	91/02/28
9100074	F291	BS0140	317F	1	7355	91/02/01	91/02/28
9100074	F291	BS0141	317F	1	1480	91/02/22	91/02/28
9100074	F291	BS0142	317F	1	40870	91/02/01	91/02/28
9100074	F291	BS0143	317F	1	34181	91/02/01	91/02/28
9100074	F291	BS0144	317F	1	8054	91/02/01	91/02/28
9100074	F291	BS0145	317F	1	8022	91/02/01	91/02/28
9100074	F291	BS0146	317F	1	7988	91/02/01	91/02/28
9100074	F291	BS0147	317F	1	2789	91/02/19	91/02/28
9100074	F291	BS0148	317F	1	5130	91/02/01	91/02/27
9100074	F291	BS0149	317F	1	2013	91/02/01	91/02/28
9100074	F291	BS0150	317F	1	1296	91/02/01	91/02/28
9100074	F291	BS0151	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0152	317F	1	1342	91/02/01	91/02/28
9100074	F291	BS0153	317F	1	7090	91/02/01	91/02/28
9100074	F291	BS0154	317F	1	2013	91/02/01	91/02/28
9100074	F291	BS0155	317F	1	1570	91/02/01	91/02/28
9100074	F291	BS0156	317F	1	1332	91/02/01	91/02/28

(100 rows affected)