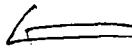


08/09,89

TO: E/OC12 - Branch Chief



E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

8900188

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

Wind/Wave Spectra (F191)

Acc: 8900188 Ref: BR8049 - BR8067 19 sta. 244,670 rec.

NOAA-NDBC

(May 1989)

Wind/Wave Spectra (F191)

Acc: 8900188 Ref: BR8068 - BR8095 28 sta. 173,250 rec.

NOAA-NDBC

(May 1989)

Wind/Wave Spectra (F191)

Acc: 8900188 Ref: BR8096 - BR8144 49 sta. 186,648 rec.

NOAA-NDBC

(May 1989)

96  
604,568

08/09/89

TO: E/OC12 - Branch Chief

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

---

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Wind/Wave Spectra (F191)

Acc: 8900188 Ref: BR8049 - BR8067 19 sta. 244,670 rec.

NOAA-NDBC

(May 1989)

Wind/Wave Spectra (F191)

Acc: 8900188 Ref: BR8068 - BR8095 28 sta. 173,250 rec.

NOAA-NDBC

(May 1989)

Wind/Wave Spectra (F191)

Acc: 8900188 Ref: BR8096 - BR8144 49 sta. 186,648 rec.

NOAA-NDBC

(May 1989)

CESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8900188	BR8049	F191		313B	317F	32302	05/01/89	05/31/89	1	6,582
8900188	BR8050	F191		313B	317F	41001	05/01/89	05/31/89	1	8,694
8900188	BR8051	F191		313B	317F	41006	05/01/89	05/31/89	1	8,698
8900188	BR8052	F191		313B	317F	41008	05/01/89	05/31/89	1	41,887
8900188	BR8053	F191		313B	317F	41009	05/01/89	05/31/89	1	14,368
8900188	BR8054	F191		313B	317F	41010	05/01/89	05/31/89	1	14,374
8900188	BR8055	F191		313B	317F	42001	05/17/89	05/31/89	1	3,276
8900188	BR8056	F191		313B	317F	42002	05/01/89	05/31/89	1	7,086
8900188	BR8057	F191		313B	317F	42003	05/01/89	05/31/89	1	7,144
8900188	BR8058	F191		313B	317F	42007	05/01/89	05/31/89	1	3,178
8900188	BR8059	F191		313B	317F	42015	05/01/89	05/31/89	1	42,367
8900188	BR8060	F191		313B	317F	42016	05/01/89	05/31/89	1	37,745
8900188	BR8061	F191		313B	317F	42017	05/01/89	05/31/89	1	1,478
8900188	BR8062	F191		313B	317F	44004	05/01/89	05/31/89	1	8,764
8900188	BR8063	F191		313B	317F	44005	05/01/89	05/31/89	1	8,724
8900188	BR8064	F191		313B	317F	44007	05/01/89	05/31/89	1	7,258
8900188	BR8065	F191		313B	317F	44008	05/01/89	05/31/89	1	7,256
8900188	BR8066	F191		313B	317F	44009	05/01/89	05/31/89	1	7,200
8900188	BR8067	F191		313B	317F	44011	05/01/89	05/31/89	1	8,591
8900188	BR8068	F191		313B	317F	44013	05/01/89	05/31/89	1	7,186
8900188	BR8069	F191		313B	317F	45001	05/01/89	05/31/89	1	7,208
8900188	BR8070	F191		313B	317F	45002	05/20/89	05/31/89	1	2,734
8900188	BR8071	F191		313B	317F	45003	05/01/89	05/31/89	1	7,174
8900188	BR8072	F191		313B	317F	45004	05/01/89	05/31/89	1	7,226
8900188	BR8073	F191		313B	317F	45005	05/12/89	05/31/89	1	1,030
8900188	BR8074	F191		313B	317F	45006	05/01/89	05/31/89	1	4,874
8900188	BR8075	F191		313B	317F	45007	05/01/89	05/31/89	1	7,194
8900188	BR8076	F191		313B	317F	45008	05/01/89	05/31/89	1	4,310
8900188	BR8077	F191		313B	317F	46001	05/01/89	05/31/89	1	8,736
8900188	BR8078	F191		313B	317F	46002	05/01/89	05/31/89	1	8,702
8900188	BR8079	F191		313B	317F	46005	05/01/89	05/31/89	1	8,814
8900188	BR8080	F191		313B	317F	46006	05/01/89	05/31/89	1	7,186
8900188	BR8081	F191		313B	317F	46010	05/26/89	05/31/89	1	1,194
8900188	BR8082	F191		313B	317F	46011	05/01/89	05/31/89	1	7,180
8900188	BR8083	F191		313B	317F	46012	05/01/89	05/31/89	1	7,168
8900188	BR8084	F191		313B	317F	46013	05/01/89	05/31/89	1	2,980
8900188	BR8085	F191		313B	317F	46014	05/01/89	05/06/89	1	1,290
8900188	BR8086	F191		313B	317F	46022	05/01/89	05/31/89	1	8,682
8900188	BR8087	F191		313B	317F	46023	05/01/89	05/31/89	1	7,226
8900188	BR8088	F191		313B	317F	46025	05/01/89	05/22/89	1	4,874
8900188	BR8089	F191		313B	317F	46026	05/01/89	05/31/89	1	7,258
8900188	BR8090	F191		313B	317F	46027	05/01/89	05/31/89	1	7,158
8900188	BR8091	F191		313B	317F	46028	05/01/89	05/31/89	1	8,664
8900188	BR8092	F191		313B	317F	46030	05/01/89	05/31/89	1	7,234
8900188	BR8093	F191		313B	317F	46035	05/01/89	05/31/89	1	6,852
8900188	BR8094	F191		313B	317F	46040	05/01/89	05/31/89	1	7,224
8900188	BR8095	F191		313B	317F	46041	05/01/89	05/26/89	1	5,892
8900188	BR8096	F191		313B	317F	46042	05/01/89	05/31/89	1	42,845
8900188	BR8097	F191		313B	317F	46125	05/01/89	05/31/89	1	42,212
8900188	BR8098	F191		313B	317F	51001	05/06/89	05/31/89	1	7,188
8900188	BR8099	F191		313B	317F	51002	05/01/89	05/31/89	1	8,678

8900188	BR8100	F191	313B	317F	51003	05/01/89	05/31/89	1	2,900
8900188	BR8101	F191	313B	317F	51004	05/01/89	05/31/89	1	8,596
8900188	BR8102	F191	313B	317F	ALSN6	05/01/89	05/31/89	1	1,472
8900188	BR8103	F191	313B	317F	BURL1	05/01/89	05/31/89	1	1,472
8900188	BR8104	F191	313B	317F	BUZM3	05/01/89	05/31/89	1	1,460
8900188	BR8105	F191	313B	317F	CARO3	05/01/89	05/31/89	1	1,468
8900188	BR8106	F191	313B	317F	CHLV2	05/01/89	05/31/89	1	7,162
8900188	BR8107	F191	313B	317F	CLKN7	05/01/89	05/31/89	1	1,412
8900188	BR8108	F191	313B	317F	CSBF1	05/01/89	05/31/89	1	1,468
8900188	BR8109	F191	313B	317F	DBLN6	05/01/89	05/31/89	1	1,470
8900188	BR8110	F191	313B	317F	DESW1	05/01/89	05/31/89	1	1,414
8900188	BR8111	F191	313B	317F	DISW3	05/01/89	05/31/89	1	1,468
8900188	BR8112	F191	313B	317F	DPIA1	05/01/89	05/31/89	1	1,476
8900188	BR8113	F191	313B	317F	DSLN7	05/01/89	05/31/89	1	7,206
8900188	BR8114	F191	313B	317F	FARP2	05/01/89	05/31/89	1	1,458
8900188	BR8115	F191	313B	317F	FBIS1	05/01/89	05/31/89	1	1,476
8900188	BR8116	F191	313B	317F	FFIA2	05/01/89	05/31/89	1	1,472
8900188	BR8117	F191	313B	317F	FPSN7	05/01/89	05/31/89	1	1,474
8900188	BR8118	F191	313B	317F	GDIL1	05/01/89	05/31/89	1	1,472
8900188	BR8119	F191	313B	317F	GLLN6	05/01/89	05/31/89	1	1,446
8900188	BR8120	F191	313B	317F	IOSN3	05/01/89	05/31/89	1	1,460
8900188	BR8121	F191	313B	317F	LKWF1	05/01/89	05/31/89	1	1,472
8900188	BR8122	F191	313B	317F	MDRM1	05/01/89	05/31/89	1	1,424
8900188	BR8123	F191	313B	317F	MISM1	05/01/89	05/31/89	1	1,468
8900188	BR8124	F191	313B	317F	MLRF1	05/01/89	05/31/89	1	1,476
8900188	BR8125	F191	313B	317F	MPCL1	05/01/89	05/31/89	1	1,472
8900188	BR8126	F191	313B	317F	NWPO3	05/01/89	05/31/89	1	1,478
8900188	BR8127	F191	313B	317F	PILM4	05/01/89	05/31/89	1	1,480
8900188	BR8128	F191	313B	317F	PTAC1	05/01/89	05/31/89	1	1,474
8900188	BR8129	F191	313B	317F	PTAT2	05/01/89	05/31/89	1	1,454
8900188	BR8130	F191	313B	317F	PTGC1	05/01/89	05/31/89	1	1,474
8900188	BR8131	F191	313B	317F	ROAM4	05/01/89	05/31/89	1	1,452
8900188	BR8132	F191	313B	317F	SAUF1	05/01/89	05/31/89	1	1,472
8900188	BR8133	F191	313B	317F	SBIO1	05/01/89	05/31/89	1	1,466
8900188	BR8134	F191	313B	317F	SGNW3	05/01/89	05/31/89	1	1,464
8900188	BR8135	F191	313B	317F	SISW1	05/01/89	05/31/89	1	1,480
8900188	BR8136	F191	313B	317F	SMKF1	05/01/89	05/31/89	1	1,440
8900188	BR8137	F191	313B	317F	SPGF1	05/01/89	05/31/89	1	1,452
8900188	BR8138	F191	313B	317F	SRST2	05/01/89	05/31/89	1	1,316
8900188	BR8139	F191	313B	317F	STDM4	05/01/89	05/31/89	1	1,476
8900188	BR8140	F191	313B	317F	SVLS1	05/01/89	05/31/89	1	1,436
8900188	BR8141	F191	313B	317F	TPLM2	05/01/89	05/31/89	1	1,476
8900188	BR8142	F191	313B	317F	TTIW1	05/01/89	05/31/89	1	1,470
8900188	BR8143	F191	313B	317F	VENF1	05/01/89	05/31/89	1	1,468
8900188	BR8144	F191	313B	317F	WPOW1	05/01/89	05/31/89	1	1,483

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ACCESSION NO. 8900188

FILETYPE F191

TRACK NO. BR 8049-8067

PROJECT IDENTIFICATION MAY 89

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7/18/89	FJM	A00937 NL	1	120	4080	244,698
DUPLICATE TAPE	7/20/89	↓	W13179 NL	1	↓	4800	244,670
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	8/15/89	CAF	BR 8049.	1	120	<del>4800</del>	244670
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED	8/18/89	CAF	"				244670

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

DELETED ALL ZERO WAVE PERIODS  
 DELETED ALL ZERO WAVE AMPLITUDES

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8900188 FILETYPE F191

TRACK NO. \_\_\_\_\_

PROJECT IDENTIFICATION MAY 89

BR8068 - 8095

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRCL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7/18/89	FJM	A00938 NL	1	120	4080	173,264
DUPLICATE TAPE	7/31/89	↓	W13519 NL	1	120	4800	173,250
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	8/18/89	CBT	BR 8068.	1	120	4800	173,250
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED	8/18/89	CBT	"				173,250

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)  
 DELETED ALL ZERO WAVE PERIODS AND WAVE AMPLITUDES.  
 DELETED ALL 25.0 SECOND WAVE PERIODS

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8900/88

FILETYPE F191

TRACK NO. BR8096 - 8144

PROJECT IDENTIFICATION MAY 89

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7/18/89	FJM	A00939	1	120	4080	186,660
DUPLICATE TAPE	8/8/89	✓	W14144	1	120	4800	186,648
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	8/16/89	CAF	BR 8096.	1	120	4800	186,648
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED	8/18/89	CAF	cc				186,648

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)  
 DELETED ALL ZERO WAVELENGTHS AND WAVE AMPLITUDES  
 DELETED ALL 25.0 SECOND WAVE PERIODS

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

8900188



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

A00937  
A00938

June 30, 1989

F1804-02  
DB3:89-331  
SPN: idm

A00939

Chief, Data Acquisition And Management Branch  
National Oceanographic Data Center  
1825 Connecticut Avenue, NW  
Washington, DC 20235

Dear Sir:

Enclosed are the May 1989, 9TK, 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.

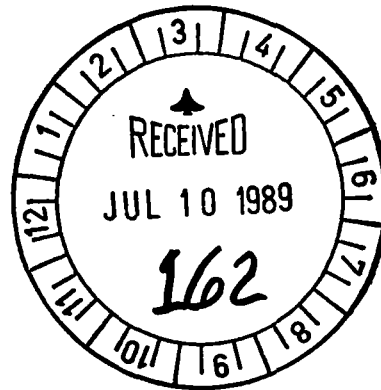
If you have any questions, please call B.G. Redmon at FTS 494-2834, or Commercial (601) 688-2834

Sincerely,

*Sallie P. Nolan*

Sallie P. Nolan  
ADP Manager

Enclosures





Attachment

Tape 1: 32302 05018900-05318923  
41001 05018900-05318923  
41006 05018900-05318923  
41008 05018900-05318923  
41009 05018900-05318923  
41010 05018900-05318923  
42001 05178923-05318923  
42002 05018900-05318923  
42003 05018900-05318923  
42007 05018900-05318923  
42015 05018900-05318923  
42016 05018900-05318923  
42017 05018900-05318923  
44004 05018900-05318923  
44005 05018900-05318923  
44007 05018900-05318923  
44008 05018900-05318923  
44009 05018900-05318923  
44011 05018900-05318923

-19.

Tape 2: 44013 05018900-05318923  
45001 05018900-05318923  
45002 05208907-05318923  
45003 05018900-05318923  
45004 05018900-05318923  
45005 05128909-05318923  
45006 05018923-05318923  
45007 05018900-05318923  
45008 05018900-05318923  
46001 05018900-05318923  
46002 05018900-05318923  
46005 05018900-05318923  
46006 05018900-05318923  
46010 05268918-05318923  
46011 05018900-05318923  
46012 05018900-05318923  
46013 05018900-05318923  
46014 05018900-05068917  
46022 05018900-05318923  
46023 05018900-05318923  
46025 05018900-05228911  
46026 05018900-05318923  
46027 05018900-05318923  
46028 05018900-05318923  
46030 05018900-05318923  
46035 05018900-05318923  
46040 05018900-05318923  
46041 05018900-05318923

-10

-20

-28

Tape 3: 46042 05018900-05318923  
 46125 05018900-05318923  
 51001 05068918-05318923  
 51002 05018900-05318923  
 51003 05018900-05318923  
 51004 05018900-05318923  
 ALSN6 05018900-05318923  
 BURL1 05018900-05318923  
 BUZM3 05018900-05318923  
 CARO3 05018900-05318923-10  
 CHLV2 05018900-05318923  
 CLKN7 05018900-05318923  
 CSBF1 05018900-05318923  
 DBLN6 05018900-05318923  
 DESW1 05018900-05318923  
 DISW3 05018900-05318923  
 DPIA1 05018900-05318923  
 DSLN7 05018900-05318923  
 FARP2 05018900-05318923  
 FBIS1 05018900-05318923-20  
 FFIA2 05018900-05318923  
 FPSN7 05018900-05318923  
 GDIL1 05018900-05318923  
 GLLN6 05018900-05318923  
 IOSN3 05018900-05318923  
 LKWF1 05018900-05318923  
 MDRM1 05018900-05318923  
 MISM1 05018900-05318923  
 MLRF1 05018900-05318923  
 MPCL1 05018900-05318923-30  
 NWPO3 05018900-05318923  
 PILM4 05018900-05318923  
 PTAC1 05018900-05318923  
 PTAT2 05018900-05318923  
 PTGC1 05018900-05318923  
 ROAM4 05018900-05318923  
 SAUF1 05018900-05318923  
 SBIO1 05018900-05318923  
 SGNW3 05018900-05318923  
 SISW1 05018900-05318923-40  
 SMKF1 05018900-05318923  
 SPGF1 05018900-05318923  
 SRST2 05018900-05318923  
 STDMA 05018900-05318923  
 SVLS1 05018900-05318923  
 TPLM2 05018900-05318923  
 TTIW1 05018900-05318923  
 VENF1 05018900-05318923  
 WPOW1 05018900-05318923-49

17  
 28  


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 96

8900188

C: DATA FORMAT

A00937-939

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

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

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

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 <input type="checkbox"/> BCD <input type="checkbox"/> BINARY  <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC  <input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH  <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN  <input checked="" type="checkbox"/> NINE  <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____</p>
<p>7. PARITY <input checked="" type="checkbox"/> ODD  <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 <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI  <input type="checkbox"/> 556 BPI  <input type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES          4080</p>
	<p>13. LENGTH OF BYTES IN BITS          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 <small>(e.g. bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>DESCRIPTIVE HEADER RECORD</b>					
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	I3, 2I2	Degrees, Minutes, Seconds
LON. 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
<b>ENVIRONMENTAL DATA RECORD</b>					
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		2I2Hours, 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		I4Temperature, 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 reference level
DEEPEST TROUGH SEA SURFACE	77	3	Bytes	I3	Meters to tenths, from reference 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.					
<b>WAVE SPECTRA DATA RECORD</b>					
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	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)
INTERVALS PER DIRECTION	27	3	Bytes	I3	Zero for non-directional spectra, or total number of frequencies in this direction

RECORD-FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., Mo., bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>WAVE SPECTRA DATA RECORD (cont'd)</b>					
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 <sup>2</sup> /Hz to thousandths
BLANKS	105	16	Bytes	16X	Fill the fixed length record
<b>SUBSURFACE TEMPERATURE DATA RECORD</b>					
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
<b>SUBSURFACE DATA RECORD</b>					
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 FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., Mb, byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>SUBSURFACE DATA RECORD (cont'd)</b>					
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 <sup>2</sup> 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 (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>CO AND QUAD SPECTRA FOR DIRECTIONAL WAVES</b>					
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 <sub>11</sub>	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 <sub>11</sub> , C <sub>22</sub> , C <sub>33</sub> , C <sub>12</sub> , Q <sub>12</sub> , C <sub>13</sub> , Q <sub>13</sub> , C <sub>23</sub> , and Q <sub>23</sub>
EXPONENT	42	2	Bytes	I2	Where subscripts are defined as follows:
CO-SPECTRA C <sub>22</sub>	44	6	Bytes	I6	1. Heave
EXPONENT	50	2	Bytes	I2	2. E-W Slope
CO-SPECTRA C <sub>33</sub>	52	6	Bytes	I6	3. N-S Slope
EXPONENT	58	2	Bytes	I2	
CO-SPECTRA C <sub>12</sub>	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
QUAD-SPECTRA Q <sub>12</sub>	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 <sub>13</sub>	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
QUAD-SPECTRA Q <sub>13</sub>	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
CO-SPECTRA C <sub>23</sub>	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
QUAD-SPECTRA Q <sub>23</sub>	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
C <sub>22</sub> - C <sub>33</sub>	108	6	Bytes	I6	
EXPONENT	114	2	Bytes	I2	
BLANKS	116	5	Bytes	5x	



RECORD FORMAT DESCRIPTION

RECORD NAME 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		
<b>ANGULAR COEFFICIENTS FOR DIRECTIONAL WAVES</b>					
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 <sup>2</sup> /Hz. The order of these coefficients is: a <sub>0</sub> , a <sub>1</sub> , b <sub>1</sub> , a <sub>2</sub> , b <sub>2</sub> , a <sub>3</sub> , b <sub>3</sub> , a <sub>4</sub> , b <sub>4</sub>
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 <sub>1</sub> /a <sub>1</sub> 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., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>DIRECTIONAL WAVE DATA RECORD</b>					
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	"8" (Directional Wave Data Record)
STATION	11	6	Bytes	A6	Inique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
COUNT	27	1	Byte	I1	Number of Frequencies on this Record (=1,2,or3)
FREQUENCY	28	4	Bytes	I4	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	32	4	Bytes	I4	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	36	4	Bytes	I4	Recorded to Nearest Hundredth
R2 (see below)	40	4	Bytes	I4	Recorded to Nearest Hundredth
A1 (see below)	44	4	Bytes	I4	Recorded in Degrees to Tenths
A2 (see below)	48	4	Bytes	I4	Recorded in Degrees to Tenths
C11S (see below)	52	6	Bytes	I6	Recorded in Meters Squared HZ to Thousandths
FREQUENCY	58	4	Bytes	I4	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	62	4	Bytes	I4	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	66	4	Bytes	I4	Recorded to Nearest Hundredth
R2 (see below)	70	4	Bytes	I4	Recorded to Nearest Hundredth
A1 (see below)	74	4	Bytes	I4	Recorded in Degrees to Tenths
A2 (see below)	78	4	Bytes	I4	Recorded in Degrees to Tenths
C11S (see below)	82	6	Bytes	I6	Recorded in Meters Squared/HZ to Thousandths
FREQUENCY	88	4	Bytes	I4	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	92	4	Bytes	I4	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	96	4	Bytes	I4	Recorded to Nearest Hundredth
R2 (see below)	100	4	Bytes	I4	Recorded to Nearest Hundredth
A1 (see below)	104	4	Bytes	I4	Recorded in Degrees to Tenths
A2 (see below)	108	4	Bytes	I4	Recorded in Degrees to Tenths
C11S (see below)	112	6	Bytes	I6	Recorded in Meters Squared/HZ to Thousandths
BLANKS	118	3	Bytes	3X	Fill the fixed lengths record
<p><b>NOTE:</b> DIRECTIONAL WAVE SPECTRA = <math>S(F,A)*D(F,A)</math>, in which F = FREQ(HZ), A = Azimuth Angle measured clockwise from North to direction wave is from. <math>D(F,A) = (1/PI)*((1/2)+R1*COS(A-A1)+R2*COS(2*(A-A2)))</math>, 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, <math>R1 = (SQRT(A1*A1+B1*B1))/A0</math>, <math>R2 = (SQRT(A2*A2+B2*B2))/A0</math>, <math>A1 = ARCTAN(B1,A1)</math>, <math>A2 = (1/2)ARCTAN(B2,A2) + 0</math> or <math>PI</math>. <math>C11S(M*M/HZ) = (C22+C33)/(K*K)</math> in which K, the propagation constant, is the solution to <math>W*W = G*K*TANH(K*D)</math>, in which <math>W = 2*PI*F</math>, <math>G = 9.806</math> 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., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>CONTINUOUS WIND MEASUREMENT</b>					
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 <sup>1</sup>	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 <sup>2</sup>	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 RECORD FORMAT DESCRIPTION

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		
<b>CONTINUOUS WIND MEASUREMENT (Cont'd)</b>					
<p><sup>1</sup>Expansion Parameter.</p> <p><sup>2</sup>Ten 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
8900188	F291	BR8049	9999	313B	317F	1989/05/01	32302	187428
8900188	F291	BR8050	9999	313B	317F	1989/05/01	41001	187429
8900188	F291	BR8051	9999	313B	317F	1989/05/01	41006	187430
8900188	F291	BR8052	9999	313B	317F	1989/05/01	41008	187431
8900188	F291	BR8053	9999	313B	317F	1989/05/01	41009	187432
8900188	F291	BR8054	9999	313B	317F	1989/05/01	41010	187433
8900188	F291	BR8055	9999	313B	317F	1989/05/17	42001	187434
8900188	F291	BR8056	9999	313B	317F	1989/05/01	42002	187435
8900188	F291	BR8057	9999	313B	317F	1989/05/01	42003	187436
8900188	F291	BR8058	9999	313B	317F	1989/05/01	42007	187437
8900188	F291	BR8059	9999	313B	317F	1989/05/01	42015	187438
8900188	F291	BR8060	9999	313B	317F	1989/05/01	42016	187439
8900188	F291	BR8061	9999	313B	317F	1989/05/01	42017	187440
8900188	F291	BR8062	9999	313B	317F	1989/05/01	44004	187441
8900188	F291	BR8063	9999	313B	317F	1989/05/01	44005	187442
8900188	F291	BR8064	9999	313B	317F	1989/05/01	44007	187443
8900188	F291	BR8065	9999	313B	317F	1989/05/01	44008	187444
8900188	F291	BR8066	9999	313B	317F	1989/05/01	44009	187445
8900188	F291	BR8067	9999	313B	317F	1989/05/01	44011	187446
8900188	F291	BR8068	9999	313B	317F	1989/05/01	44013	187447
8900188	F291	BR8069	9999	313B	317F	1989/05/01	45001	187448
8900188	F291	BR8070	9999	313B	317F	1989/05/20	45002	187449
8900188	F291	BR8071	9999	313B	317F	1989/05/01	45003	187450
8900188	F291	BR8072	9999	313B	317F	1989/05/01	45004	187451
8900188	F291	BR8073	9999	313B	317F	1989/05/12	45005	187452
8900188	F291	BR8074	9999	313B	317F	1989/05/01	45006	187453
8900188	F291	BR8075	9999	313B	317F	1989/05/01	45007	187454
8900188	F291	BR8076	9999	313B	317F	1989/05/01	45008	187455
8900188	F291	BR8077	9999	313B	317F	1989/05/01	46001	187456
8900188	F291	BR8078	9999	313B	317F	1989/05/01	46002	187457
8900188	F291	BR8079	9999	313B	317F	1989/05/01	46005	187458
8900188	F291	BR8080	9999	313B	317F	1989/05/01	46006	187459
8900188	F291	BR8081	9999	313B	317F	1989/05/26	46010	187460
8900188	F291	BR8082	9999	313B	317F	1989/05/01	46011	187461
8900188	F291	BR8083	9999	313B	317F	1989/05/01	46012	187462
8900188	F291	BR8084	9999	313B	317F	1989/05/01	46013	187463
8900188	F291	BR8085	9999	313B	317F	1989/05/01	46014	187464
8900188	F291	BR8086	9999	313B	317F	1989/05/01	46022	187465
8900188	F291	BR8087	9999	313B	317F	1989/05/01	46023	187466
8900188	F291	BR8088	9999	313B	317F	1989/05/01	46025	187467
8900188	F291	BR8089	9999	313B	317F	1989/05/01	46026	187468
8900188	F291	BR8090	9999	313B	317F	1989/05/01	46027	187469
8900188	F291	BR8091	9999	313B	317F	1989/05/01	46028	187470
8900188	F291	BR8092	9999	313B	317F	1989/05/01	46030	187471
8900188	F291	BR8093	9999	313B	317F	1989/05/01	46035	187472
8900188	F291	BR8094	9999	313B	317F	1989/05/01	46040	187473
8900188	F291	BR8095	9999	313B	317F	1989/05/01	46041	187474
8900188	F291	BR8096	9999	313B	317F	1989/05/01	46042	187475
8900188	F291	BR8097	9999	313B	317F	1989/05/01	46125	187476
8900188	F291	BR8098	9999	313B	317F	1989/05/06	51001	187477
8900188	F291	BR8099	9999	313B	317F	1989/05/01	51002	187478
8900188	F291	BR8100	9999	313B	317F	1989/05/01	51003	187479
8900188	F291	BR8101	9999	313B	317F	1989/05/01	51004	187480
8900188	F291	BR8102	9999	313B	317F	1989/05/01	ALSN6	187481
8900188	F291	BR8103	9999	313B	317F	1989/05/01	BURL1	187482
8900188	F291	BR8104	9999	313B	317F	1989/05/01	BUZM3	187483

8900188	F291	BR8105	9999	313B	317F	1989/05/01	CARO3	187484
8900188	F291	BR8106	9999	313B	317F	1989/05/01	CHLV2	187485
8900188	F291	BR8107	9999	313B	317F	1989/05/01	CLKN7	187486
8900188	F291	BR8108	9999	313B	317F	1989/05/01	CSBF1	187487
8900188	F291	BR8109	9999	313B	317F	1989/05/01	DBLN6	187488
8900188	F291	BR8110	9999	313B	317F	1989/05/01	DESW1	187489
8900188	F291	BR8111	9999	313B	317F	1989/05/01	DISW3	187490
8900188	F291	BR8112	9999	313B	317F	1989/05/01	DPIA1	187491
8900188	F291	BR8113	9999	313B	317F	1989/05/01	DSLN7	187492
8900188	F291	BR8114	9999	313B	317F	1989/05/01	FARP2	187493
8900188	F291	BR8115	9999	313B	317F	1989/05/01	FBIS1	187494
8900188	F291	BR8116	9999	313B	317F	1989/05/01	FFIA2	187495
8900188	F291	BR8117	9999	313B	317F	1989/05/01	FPSN7	187496
8900188	F291	BR8118	9999	313B	317F	1989/05/01	GDIL1	187497
8900188	F291	BR8119	9999	313B	317F	1989/05/01	GLLN6	187498
8900188	F291	BR8120	9999	313B	317F	1989/05/01	IOSN3	187499
8900188	F291	BR8121	9999	313B	317F	1989/05/01	LKWF1	187500
8900188	F291	BR8122	9999	313B	317F	1989/05/01	MDRM1	187501
8900188	F291	BR8123	9999	313B	317F	1989/05/01	MISM1	187502
8900188	F291	BR8124	9999	313B	317F	1989/05/01	MLRF1	187503
8900188	F291	BR8125	9999	313B	317F	1989/05/01	MPCL1	187504
8900188	F291	BR8126	9999	313B	317F	1989/05/01	NWPO3	187505
8900188	F291	BR8127	9999	313B	317F	1989/05/01	PILM4	187506
8900188	F291	BR8128	9999	313B	317F	1989/05/01	PTAC1	187507
8900188	F291	BR8129	9999	313B	317F	1989/05/01	PTAT2	187508
8900188	F291	BR8130	9999	313B	317F	1989/05/01	PTGC1	187509
8900188	F291	BR8131	9999	313B	317F	1989/05/01	ROAM4	187510
8900188	F291	BR8132	9999	313B	317F	1989/05/01	SAUF1	187511
8900188	F291	BR8133	9999	313B	317F	1989/05/01	SBIO1	187512
8900188	F291	BR8134	9999	313B	317F	1989/05/01	SGNW3	187513
8900188	F291	BR8135	9999	313B	317F	1989/05/01	SISW1	187514
8900188	F291	BR8136	9999	313B	317F	1989/05/01	SMKF1	187515
8900188	F291	BR8137	9999	313B	317F	1989/05/01	SPGF1	187516
8900188	F291	BR8138	9999	313B	317F	1989/05/01	SRST2	187517
8900188	F291	BR8139	9999	313B	317F	1989/05/01	STDM4	187518
8900188	F291	BR8140	9999	313B	317F	1989/05/01	SVLS1	187519
8900188	F291	BR8141	9999	313B	317F	1989/05/01	TPLM2	187520
8900188	F291	BR8142	9999	313B	317F	1989/05/01	TTIW1	187521
8900188	F291	BR8143	9999	313B	317F	1989/05/01	VENF1	187522
8900188	F291	BR8144	9999	313B	317F	1989/05/01	WPOW1	187523
8900188	F291	BR9978	9999	313B	317F	1989/05/12	45005	187524

(97 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8900188	F291	BR8049	317F	1	6582	89/05/01	89/05/01
8900188	F291	BR8050	317F	1	8694	89/05/01	89/05/01
8900188	F291	BR8051	317F	1	8698	89/05/01	89/05/01
8900188	F291	BR8052	317F	1	41887	89/05/01	89/05/01
8900188	F291	BR8053	317F	1	14368	89/05/01	89/05/01
8900188	F291	BR8054	317F	1	14374	89/05/01	89/05/01
8900188	F291	BR8055	317F	1	3276	89/05/17	89/05/17
8900188	F291	BR8056	317F	1	7086	89/05/01	89/05/01
8900188	F291	BR8057	317F	1	7144	89/05/01	89/05/01
8900188	F291	BR8058	317F	1	3178	89/05/01	89/05/01
8900188	F291	BR8059	317F	1	42367	89/05/01	89/05/01
8900188	F291	BR8060	317F	1	37745	89/05/01	89/05/01
8900188	F291	BR8061	317F	1	1478	89/05/01	89/05/01
8900188	F291	BR8062	317F	1	8764	89/05/01	89/05/01
8900188	F291	BR8063	317F	1	8724	89/05/01	89/05/01
8900188	F291	BR8064	317F	1	7258	89/05/01	89/05/01
8900188	F291	BR8065	317F	1	7256	89/05/01	89/05/01
8900188	F291	BR8066	317F	1	7200	89/05/01	89/05/01
8900188	F291	BR8067	317F	1	8591	89/05/01	89/05/01
8900188	F291	BR8068	317F	1	7186	89/05/01	89/05/01
8900188	F291	BR8069	317F	1	7208	89/05/01	89/05/01
8900188	F291	BR8070	317F	1	2734	89/05/20	89/05/20
8900188	F291	BR8071	317F	1	7174	89/05/01	89/05/01
8900188	F291	BR8072	317F	1	7226	89/05/01	89/05/01
8900188	F291	BR8073	317F	1	1030	89/05/12	89/05/12
8900188	F291	BR8074	317F	1	4874	89/05/01	89/05/01
8900188	F291	BR8075	317F	1	7194	89/05/01	89/05/01
8900188	F291	BR8076	317F	1	4310	89/05/01	89/05/01
8900188	F291	BR8077	317F	1	8736	89/05/01	89/05/01
8900188	F291	BR8078	317F	1	8702	89/05/01	89/05/01
8900188	F291	BR8079	317F	1	8814	89/05/01	89/05/01
8900188	F291	BR8080	317F	1	7186	89/05/01	89/05/01
8900188	F291	BR8081	317F	1	1194	89/05/26	89/05/26
8900188	F291	BR8082	317F	1	7180	89/05/01	89/05/01
8900188	F291	BR8083	317F	1	7168	89/05/01	89/05/01
8900188	F291	BR8084	317F	1	2980	89/05/01	89/05/01
8900188	F291	BR8085	317F	1	1290	89/05/01	89/05/01
8900188	F291	BR8086	317F	1	8682	89/05/01	89/05/01
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8900188	F291	BR8088	317F	1	4874	89/05/01	89/05/01
8900188	F291	BR8089	317F	1	7258	89/05/01	89/05/01
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8900188	F291	BR8093	317F	1	6852	89/05/01	89/05/01
8900188	F291	BR8094	317F	1	7224	89/05/01	89/05/01
8900188	F291	BR8095	317F	1	5892	89/05/01	89/05/01
8900188	F291	BR8096	317F	1	42845	89/05/01	89/05/01
8900188	F291	BR8097	317F	1	42212	89/05/01	89/05/01
8900188	F291	BR8098	317F	1	7188	89/05/06	89/05/06
8900188	F291	BR8099	317F	1	8678	89/05/01	89/05/01
8900188	F291	BR8100	317F	1	2900	89/05/01	89/05/01
8900188	F291	BR8101	317F	1	8596	89/05/01	89/05/01
8900188	F291	BR8102	317F	1	1472	89/05/01	89/05/01
8900188	F291	BR8103	317F	1	1472	89/05/01	89/05/01
8900188	F291	BR8104	317F	1	1460	89/05/01	89/05/01

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8900188	F291	BR8107	317F	1	1412	89/05/01	89/05/01
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8900188	F291	BR8112	317F	1	1476	89/05/01	89/05/01
8900188	F291	BR8113	317F	1	7206	89/05/01	89/05/01
8900188	F291	BR8114	317F	1	1458	89/05/01	89/05/01
8900188	F291	BR8115	317F	1	1476	89/05/01	89/05/01
8900188	F291	BR8116	317F	1	1472	89/05/01	89/05/01
8900188	F291	BR8117	317F	1	1474	89/05/01	89/05/01
8900188	F291	BR8118	317F	1	1472	89/05/01	89/05/01
8900188	F291	BR8119	317F	1	1446	89/05/01	89/05/01
8900188	F291	BR8120	317F	1	1460	89/05/01	89/05/01
8900188	F291	BR8121	317F	1	1472	89/05/01	89/05/01
8900188	F291	BR8122	317F	1	1424	89/05/01	89/05/01
8900188	F291	BR8123	317F	1	1468	89/05/01	89/05/01
8900188	F291	BR8124	317F	1	1476	89/05/01	89/05/01
8900188	F291	BR8125	317F	1	1472	89/05/01	89/05/01
8900188	F291	BR8126	317F	1	1478	89/05/01	89/05/01
8900188	F291	BR8127	317F	1	1480	89/05/01	89/05/01
8900188	F291	BR8128	317F	1	1474	89/05/01	89/05/01
8900188	F291	BR8129	317F	1	1454	89/05/01	89/05/01
8900188	F291	BR8130	317F	1	1474	89/05/01	89/05/01
8900188	F291	BR8131	317F	1	1452	89/05/01	89/05/01
8900188	F291	BR8132	317F	1	1472	89/05/01	89/05/01
8900188	F291	BR8133	317F	1	1466	89/05/01	89/05/01
8900188	F291	BR8134	317F	1	1464	89/05/01	89/05/01
8900188	F291	BR8135	317F	1	1480	89/05/01	89/05/01
8900188	F291	BR8136	317F	1	1440	89/05/01	89/05/01
8900188	F291	BR8137	317F	1	1452	89/05/01	89/05/01
8900188	F291	BR8138	317F	1	1316	89/05/01	89/05/01
8900188	F291	BR8139	317F	1	1476	89/05/01	89/05/01
8900188	F291	BR8140	317F	1	1436	89/05/01	89/05/01
8900188	F291	BR8141	317F	1	1476	89/05/01	89/05/01
8900188	F291	BR8142	317F	1	1470	89/05/01	89/05/01
8900188	F291	BR8143	317F	1	1468	89/05/01	89/05/01
8900188	F291	BR8144	317F	1	1483	89/05/01	89/05/01
8900188	F291	BR9978	317F	1	NULL	89/05/12	89/05/31

(97 rows affected)