ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000208	BR9370	F191		313B	317F	41001	07/01/90	07/31/90	1	8,134
9000208	BR9371	F191		313B	317F	41002	07/01/90	07/31/90	1	8,896
9000208	BR9372	F191		313B	317F	41006	07/01/90	07/31/90	1	8,095
9000208	BR9373	F191		313B	317F	41008	07/01/90	07/31/90	1	44,383
9000208	BR9374	F191		313B	317F	41009	07/01/90	07/31/90	1	14,816
9000208	BR9375	F191		313B	317F	41010	07/01/90	07/31/90	1	14,758
9000208	BR9376	F191		313B	317F	42001	07/01/90	07/31/90	1	3,629
9000208	BR9377	F191		313B	317F	42002	07/01/90	07/31/90	1	8,163
9000208	BR9378	F191		313B	317F	42003	07/01/90	07/31/90	1	8,058
9000208	BR9379	F191		313B	317F	42007	07/01/90	07/31/90	1	6,753
9000208	BR9380	F191		313B	317F	42015	07/01/90	07/31/90	1	44,436
9000208	BR9381	F191		313B	317F	42016	07/26/90	07/31/90	1	842
9000208	BR9382	F191		313B	317F	42019	07/01/90	07/31/90	1	7,430
9000208	BR9383	F191		313B	317F	42020	07/01/90	07/31/90	1	7,396
9000208	BR9384	F191		313B	317F	44004	07/01/90	07/17/90	1	3,654
9000208	BR9385	F191		313B	317F	44005	07/01/90	07/31/90	1	8,112
9000208	BR9386	F191		313B	317F	44007	07/01/90	07/31/90	1	7,364
9000208	BR9387	F191		313B	317F	44008	07/01/90	07/31/90	1	8,119

18 213,038

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000208	BR9388	F191		313B	317F	44009	07/01/90	07/31/90	1	7,364
9000208	BR9389	F191		313B	317F	44011	07/01/90	07/31/90	1	8,009
9000208	BR9390	F191		313B	317F	44013	07/01/90	07/31/90	1	7,346
9000208	BR9391	F191		313B	317F	45001	07/01/90	07/31/90	1	7,362
9000208	BR9392	F191		313B	317F	45002	07/01/90	07/31/90	1	1,478
9000208	BR9393	F191		313B	317F	45003	07/01/90	07/31/90	1	1,476
9000208	BR9394	F191		313B	317F	45004	07/01/90	07/31/90	1	1,480
9000208	BR9395	F191		313B	317F	45005	07/01/90	07/31/90	1	43,714
9000208	BR9396	F191		313B	317F	45006	07/01/90	07/31/90	1	7,302
9000208	BR9397	F191		313B	317F	45007	07/01/90	07/31/90	1	42,545
9000208	BR9398	F191		313B	317F	45008	07/01/90	07/31/90	1	8,868
9000208	BR9399	F191		313B	317F	46001	07/19/90	07/31/90	1	3,110
9000208	BR9400	F191		313B	317F	46002	07/01/90	07/31/90	1	7,715
9000208	BR9401	F191		313B	317F	46003	07/01/90	07/31/90	1	7,380
9000208	BR9402	F191		313B	317F	46005	07/01/90	07/31/90	1	2,952
9000208	BR9403	F191		313B	317F	46006	07/01/90	07/31/90	1	8,055
9000208	BR9404	F191		313B	317F	46010	07/01/90	07/31/90	1	7,364
9000208	BR9405	F191		313B	317F	46011	07/01/90	07/31/90	1	8,848
9000208	BR9406	F191		313B	317F	46012	07/01/90	07/31/90	1	7,392
9000208	BR9407	F191		313B	317F	46013	07/01/90	07/31/90	1	7,372
9000208	BR9408	F191		313B	317F	46014	07/01/90	07/31/90	1	8,856
9000208	BR9409	F191		313B	317F	46022	07/01/90	07/14/90	1	1,030
9000208	BR9410	F191		313B	317F	46023	07/01/90	07/31/90	1	7,362
9000208	BR9411	F191		313B	317F	46025	07/01/90	07/31/90	1	8,828
9000208	BR9412	F191		313B	317F	46026	07/01/90	07/05/90	1	1,190
9000208	BR9413	F191		313B	317F	46027	07/01/90	07/31/90	1	7,262
9000208	BR9414	F191		313B	317F	46028	07/01/90	07/31/90	1	8,858
9000208	BR9415	F191		313B	317F	46030	07/01/90	07/31/90	1	7,382
9000208	BR9416	F191		313B	317F	46035	07/01/90	07/31/90	1	7,827
9000208	BR9417	F191		313B	317F	46040	07/01/90	07/31/90	1	7,311

30 263,038

31.564

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000208	BR9418	F191		313B	317F	46041	07/01/90	07/31/90	1	7,372
9000208	BR9419	F191		313B	317F	46042	07/01/90	07/31/90	1	44,963
9000208	BR9420	F191		313B	317F	51001	07/01/90	07/31/90	1	8,840
9000208	BR9421	F191		313B	317F	51003	07/01/90	07/31/90	1	8,742
9000208	BR9422	F191		313B	317F	51004	07/01/90	07/31/90	1	8,706
9000208	BR9423	F191		313B	317F	ALSN6	07/01/90	07/31/90	1	7,204
9000208	BR9424	F191		313B	317F	BURL1	07/01/90	07/31/90	1	2,220
9000208	BR9425	F191		313B	317F	BUZM3	07/01/90	07/31/90	1	1,474
9000208	BR9426	F191		313B	317F	CARO3	07/01/90	07/31/90	1	1,482
9000208	BR9427	F191		313B	317F	CHLV2	07/01/90	07/31/90	1	7,280
9000208	BR9428	F191		313B	317F	CLKN7	07/01/90	07/31/90	1	2,217
9000208	BR9429	F191		313B	317F	CSBF1	07/01/90	07/31/90	1	2,222
9000208	BR9430	F191		313B	317F	DBLN6	07/01/90	07/31/90	1	1,476
9000208	BR9431	F191		313B	317F	DESW1	07/01/90	07/31/90	1	1,480
9000208	BR9432	F191		313B	317F	DISW3	07/01/90	07/31/90	1	1,474
9000208	BR9433	F191		313B	317F	DPIA1	07/01/90	07/31/90	1	1,448
9000208	BR9434	F191		313B	317F	DSLN7	07/01/90	07/31/90	1	7,171
9000208	BR9435	F191		313B	317F	ENIP2	07/01/90	07/31/90	1	1,462
9000208	BR9436	F191		313B	317F	FARP2	07/01/90	07/31/90	1	658
9000208	BR9437	F191		313B	317F	FBIS1	07/01/90	07/31/90	1	1,476
9000208	BR9438	F191		313B	317F	FFIA2	07/01/90	07/31/90	1	1,482
9000208	BR9439	F191		313B	317F	FPSN7	07/01/90	07/31/90	1	2,220
9000208	BR9440	F191		313B	317F	GBCL1	07/01/90	07/31/90	1	6,789
9000208	BR9441	F191		313B	317F	GDIL1	07/01/90	07/31/90	1	2,223
9000208	BR9442	F191		313B	317F	GLLN6	07/01/90	07/31/90	1	1,474
9000208	BR9443	F191		313B	317F	IOSN3	07/01/90	07/31/90	1	1,478
9000208	BR9444	F191		313B	317F	LKWF1	07/01/90	07/31/90	1	2,216
9000208	BR9445	F191		313B	317F	MDRM1	07/01/90	07/31/90	1	1,478
9000208	BR9446	F191		313B	317F	MISM1	07/01/90	07/31/90	1	1,472
9000208	BR9447	F191		313B	317F	MLRF1	07/01/90	07/31/90	1	1,472
9000208	BR9448	F191		313B	317F	MPCL1	07/03/90	07/31/90	1	3,015
9000208	BR9449	F191		313B	317F	NWPO3	07/01/90	07/31/90	1	1,482
9000208	BR9450	F191		313B	317F	PAGP2	07/01/90	07/31/90	1	1,224
9000208	BR9451	F191		313B	317F	PILM4	07/01/90	07/31/90	1	1,476
9000208	BR9452	F191		313B	317F	PTAC1	07/01/90	07/31/90	1	1,482
9000208	BR9453	F191		313B	317F	PTAT2	07/01/90	07/31/90	1	2,222
9000208	BR9454	F191		313B	317F	PTGC1	07/01/90	07/31/90	1	1,482
9000208	BR9455	F191		313B	317F	ROAM4	07/01/90	07/25/90	1	656
9000208	BR9456	F191		313B	317F	SAUF1	07/01/90	07/31/90	1	2,208
9000208	BR9457	F191		313B	317F	SBIO1	07/01/90	07/31/90	1	1,474
9000208	BR9458	F191		313B	317F	SGNW3	07/01/90	07/31/90	1	1,476
9000208	BR9459	F191		313B	317F	SISW1	07/01/90	07/31/90	1	1,482
9000208	BR9460	F191		313B	317F	SMKF1	07/01/90	07/31/90	1	1,472
9000208	BR9461	F191		313B	317F	SPGF1	07/01/90	07/31/90	1	1,416
9000208	BR9462	F191		313B	317F	SRST2	07/01/90	07/31/90	1	2,223
9000208	BR9463	F191		313B	317F	STDM4	07/01/90	07/31/90	1	1,476
9000208	BR9464	F191		313B	317F	SVLS1	07/01/90	07/31/90	1	1,476
9000208	BR9465	F191		313B	317F	TPLM2	07/01/90	07/31/90	1	2,212
9000208	BR9466	F191		313B	317F	TTIW1	07/01/90	07/31/90	1	1,482
9000208	BR9467	F191		313B	317F	UJAP2	07/01/90	07/31/90	1	1,458

9000208	BR9468 F191	313B 317F VENF1	07/01/90	07/31/90	1	1,533
9000208	BR9469 F191	313B 317F WPOW1	07/01/90	07/31/90	1	1,450

52 177,548

21.3

ACCESSION NO. 9000208 FILETYPE F191 BR9370-9387 TRACK NO. _____ PROJECT IDENTIFICATION _____

JULY 1990

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	9-7-90	F.J.M.	A01250 *	1	120	4080	213,010
DUPLICATE TAPE	9-25-90	FJM	W02149 *	1	120	4800	213,038
REFORMATTED TAPE	~~10-3-90~~	~~FJM~~	~~W02149 *~~	~~1~~	~~120~~		
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS ~~REPORTED TO PRINCIPAL INVESTIGATOR:~~ * NO LABEL 1600, ASCII

213,038 D191P

↳ records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 90 00208 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

July 1990 BR9388-9417

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	9-7-90	FJM	A01251*	1	120	4080	263,058
DUPLICATE TAPE	10-3-90	FJM	W03901*	1	120	4800	263,038
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR~~: * NL, 1600, ASCII

263,038 records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 90 00208 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

JULY 1990 BR9418-9469

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	9-7-90	FJM	AD1252 *	1	120	4080	177,514
DUPLICATE TAPE	10-11-90	FJM	W04763	1	120	4800	177,514
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:~~ * NL, 1600, ASCII

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

August 30, 1990

F1804-02
DB3:90-0409
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 July 1990, 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.

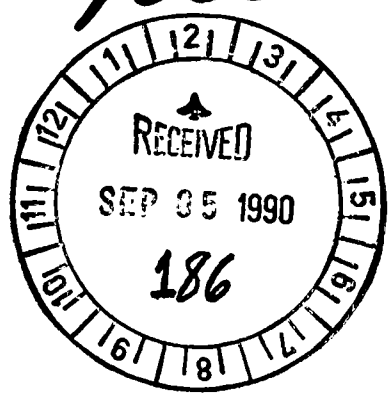
Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures

Acc # 9000208

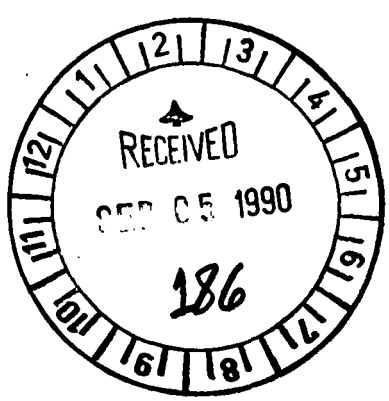


A01250
A01251
A01252

Attachment

Tape 1:
41001 07019000-07319023
41002 07019000-07319023
41006 07019000-07319023
41008 07019000-07319023
41009 07019000-07319023
41010 07019000-07319023
42001 07019000-07319023
42002 07019000-07319023
42003 07019000-07319023
42007 07019000-07319023
42015 07019000-07319023
42016 07269015-07319023
42019 07019000-07319023
42020 07019000-07319023
44004 07019000-07179019
44005 07019000-07319023
44007 07019000-07319023
44008 07019000-07319023

Tape 2:
44009 07019000-07319023
44011 07019000-07319023
44013 07019000-07319023
45001 07019000-07319023
45002 07019000-07319023
45003 07019000-07319023
45004 07019000-07319023
45005 07019000-07319023
45006 07019000-07319023
45007 07019000-07319023
45008 07019000-07319023
46001 07199000-07319023
46002 07019000-07319023
46003 07019000-07319023
46005 07019000-07319023
46006 07019000-07319023
46010 07019000-07319023
46011 07019000-07319023
46012 07019000-07319023
46013 07019000-07319023
46014 07019000-07319023
46022 07019000-07319023
46023 07019000-07319023
46025 07019000-07319023
46026 07019000-07059022
46027 07019000-07319023
46028 07019000-07319023
46030 07019000-07319023
46035 07019000-07319023
46040 07019000-07319023



Tape 3: 46041 07019000-07319023
46042 07019000-07319023
51001 07019000-07319023
51003 07019000-07319023
51004 07019000-07319023
ALSN6 07019000-07319023
BURL1 07019000-07319023
BUZM3 07019000-07319023
CARO3 07019000-07319023
CHLV2 07019000-07319023
CLKN7 07019000-07319023
CSBF1 07019000-07319023
DBLN6 07019000-07319023
DESW1 07019000-07319023
DISW3 07019000-07319023
DPIA1 07019000-07319023
DSLN7 07019000-07319023
ENIP2 07019000-07319023
FARP2 07019000-07319023
FBIS1 07019000-07319023
FFIA2 07019000-07319023
FPSN7 07019000-07319023
GBCL1 07019000-07319023
GDIL1 07019000-07319023
GLLN6 07019000-07319023
IOSN3 07019000-07319023
LKWF1 07019000-07319023
MDRM1 07019000-07319023
MISM1 07019000-07319023
MLRF1 07019000-07319023
MPCL1 07039015-07319023
NWPO3 07019000-07319023
PAGP2 07019000-07319023
PILM4 07019000-07319023
PTAC1 07019000-07319023
PTAT2 07019000-07319023
PTGC1 07019000-07319023
ROAM4 07019000-07259010
SAUF1 07019000-07319023
SBIO1 07019000-07319023
SGNW3 07019000-07319023
SISW1 07019000-07319023
SMKF1 07019000-07319023
SPGF1 07019000-07319023
SRST2 07019000-07319023
STDM4 07019000-07319023
SVLS1 07019000-07319023
TPLM2 07019000-07319023
TTIW1 07019000-07319023
UJAP2 07019000-07319023

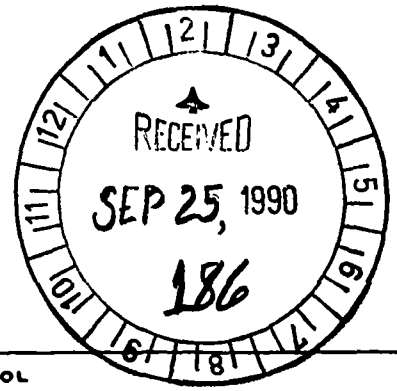
VENF1 07019000-07319023
WPOW1 07019000-07319023

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

9000208

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER _____
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☐ BCD ☐ BINARY ☒ ASCII ☐ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____

7. PARITY ☒ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

12. PHYSICAL BLOCK LENGTH IN BYTES
4080

13. LENGTH OF BYTES IN BITS
8

NOAA FORM 24-13

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 NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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	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	108	13	Bytes		A13
*for buoy data only					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		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., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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.					
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	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 NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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 (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
SUBSURFACE DATA RECORD (cont'd)					
DATA	27	90	Bytes	3(I5,I5,I5,I5,I5,I5)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27,57,87	5	Bytes	I5	Obs. Level, meters to tenths
U Component	32,62,92	5	Bytes	I5	East vector in cm/sec. to tenths
V Component	37,67,97	5	Bytes	I5	True north vector in cm/sec. to tenths
Pressure	42,72,102	5	Bytes	I5	Kg./cm^2 to hundredths
Conductivity	47,77,107	5	Bytes	I5	Millimhos/cm to thousandths
Salinity	52,82,112	5	Bytes	I5	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 NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
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 uncorrected 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	If the exponent is less than -9
QUAD-SPECTRA Q_{12}	68	6	Bytes	I6	the exponent and its associated
EXPONENT	74	2	Bytes	I2	spectra should be zero
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

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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 corrected 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

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
DIRECTIONAL WAVE 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	"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 to 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

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+C33)/(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.

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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	35	3	Bytes	I3	M/S to Tenths
DIRECTION OF HOURLY PEAK	38	3	Bytes	I3	Whole Degrees
MINUTE OF HOURLY PEAK	41	2	Bytes	I2	Minutes (UTC)
END OF ACQUISITION TIME	43	4	Bytes	2I2	Hour, Minutes (UTC)
FIRST AVERAGE DIRECTION[2]	47	3	Bytes	I3	Whole Degrees
FIRST AVERAGE SPEED	50	3	Bytes	I3	M/S to Tenths
SECOND AVERAGE DIRECTION	53	3	Bytes	I3	Whole Degrees
SECOND AVERAGE SPEED	56	3	Bytes	I3	M/S to Tenths
THIRD AVERAGE DIRECTION	59	3	Bytes	I3	Whole Degrees
THIRD AVERAGE SPEED	62	3	Bytes	I3	M/S to Tenths
FOURTH AVERAGE DIRECTION	65	3	Bytes	I3	Whole Degrees
FOURTH AVERAGE SPEED	68	3	Bytes	I3	M/S to Tenths
FIFTH AVERAGE DIRECTION	71	3	Bytes	I3	Whole Degrees
FIFTH AVERAGE SPEED	74	3	Bytes	I3	M/S to Tenths
SIXTH AVERAGE DIRECTION	77	3	Bytes	I3	Whole Degrees
SIXTH AVERAGE SPEED	80	3	Bytes	I3	M/S to Tenths

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
CONTINUOUS WIND MEASUREMENT (Cont'd)					
[1]Expansion Parameter.					
[2]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.					
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.					

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9000208	F291	BR9387	9999	313B	317F	1990/07/01	44008	193092
9000208	F291	BR9388	9999	313B	317F	1990/07/01	44009	193093
9000208	F291	BR9389	9999	313B	317F	1990/07/01	44011	193094
9000208	F291	BR9390	9999	313B	317F	1990/07/01	44013	193095
9000208	F291	BR9391	9999	313B	317F	1990/07/01	45001	193096
9000208	F291	BR9392	9999	313B	317F	1990/07/01	45002	193097
9000208	F291	BR9393	9999	313B	317F	1990/07/01	45003	193098
9000208	F291	BR9394	9999	313B	317F	1990/07/01	45004	193099
9000208	F291	BR9395	9999	313B	317F	1990/07/01	45005	193100
9000208	F291	BR9396	9999	313B	317F	1990/07/01	45006	193101
9000208	F291	BR9397	9999	313B	317F	1990/07/01	45007	193102
9000208	F291	BR9398	9999	313B	317F	1990/07/01	45008	193103
9000208	F291	BR9399	9999	313B	317F	1990/07/19	46001	193104
9000208	F291	BR9400	9999	313B	317F	1990/07/01	46002	193105
9000208	F291	BR9401	9999	313B	317F	1990/07/01	46003	193106
9000208	F291	BR9402	9999	313B	317F	1990/07/01	46005	193107
9000208	F291	BR9403	9999	313B	317F	1990/07/01	46006	193108
9000208	F291	BR9404	9999	313B	317F	1990/07/01	46010	193109
9000208	F291	BR9405	9999	313B	317F	1990/07/01	46011	193110
9000208	F291	BR9406	9999	313B	317F	1990/07/01	46012	193111
9000208	F291	BR9407	9999	313B	317F	1990/07/01	46013	193112
9000208	F291	BR9408	9999	313B	317F	1990/07/01	46014	193113
9000208	F291	BR9409	9999	313B	317F	1990/07/01	46022	193114
9000208	F291	BR9410	9999	313B	317F	1990/07/01	46023	193115
9000208	F291	BR9411	9999	313B	317F	1990/07/01	46025	193116
9000208	F291	BR9412	9999	313B	317F	1990/07/01	46026	193117
9000208	F291	BR9413	9999	313B	317F	1990/07/01	46027	193118
9000208	F291	BR9414	9999	313B	317F	1990/07/01	46028	193119
9000208	F291	BR9415	9999	313B	317F	1990/07/01	46030	193120
9000208	F291	BR9416	9999	313B	317F	1990/07/01	46035	193121
9000208	F291	BR9417	9999	313B	317F	1990/07/01	46040	193122
9000208	F291	BR9418	9999	313B	317F	1990/07/01	46041	193123
9000208	F291	BR9419	9999	313B	317F	1990/07/01	46042	193124
9000208	F291	BR9420	9999	313B	317F	1990/07/01	51001	193125
9000208	F291	BR9421	9999	313B	317F	1990/07/01	51003	193126
9000208	F291	BR9422	9999	313B	317F	1990/07/01	51004	193127
9000208	F291	BR9423	9999	313B	317F	1990/07/01	ALSN6	193128
9000208	F291	BR9424	9999	313B	317F	1990/07/01	BURL1	193129
9000208	F291	BR9425	9999	313B	317F	1990/07/01	BUZM3	193130
9000208	F291	BR9426	9999	313B	317F	1990/07/01	CARO3	193131
9000208	F291	BR9427	9999	313B	317F	1990/07/01	CHLV2	193132
9000208	F291	BR9428	9999	313B	317F	1990/07/01	CLKN7	193133
9000208	F291	BR9429	9999	313B	317F	1990/07/01	CSBF1	193134
9000208	F291	BR9430	9999	313B	317F	1990/07/01	DBLN6	193135
9000208	F291	BR9431	9999	313B	317F	1990/07/01	DESW1	193136
9000208	F291	BR9432	9999	313B	317F	1990/07/01	DISW3	193137
9000208	F291	BR9433	9999	313B	317F	1990/07/01	DPIA1	193138
9000208	F291	BR9434	9999	313B	317F	1990/07/01	DSLN7	193139
9000208	F291	BR9435	9999	313B	317F	1990/07/01	ENIP2	193140
9000208	F291	BR9436	9999	313B	317F	1990/07/01	FARP2	193141
9000208	F291	BR9437	9999	313B	317F	1990/07/01	FBIS1	193142
9000208	F291	BR9438	9999	313B	317F	1990/07/01	FFIA2	193143
9000208	F291	BR9439	9999	313B	317F	1990/07/01	FPSN7	193144
9000208	F291	BR9440	9999	313B	317F	1990/07/01	GBCL1	193145
9000208	F291	BR9441	9999	313B	317F	1990/07/01	GDIL1	193146
9000208	F291	BR9442	9999	313B	317F	1990/07/01	GLLN6	193147

9000208	F291	BR9443	9999	313B	317F	1990/07/01	IOSN3	193148
9000208	F291	BR9444	9999	313B	317F	1990/07/01	LKWF1	193149
9000208	F291	BR9445	9999	313B	317F	1990/07/01	MDRM1	193150
9000208	F291	BR9446	9999	313B	317F	1990/07/01	MISM1	193151
9000208	F291	BR9447	9999	313B	317F	1990/07/01	MLRF1	193152
9000208	F291	BR9448	9999	313B	317F	1990/07/03	MPCL1	193153
9000208	F291	BR9449	9999	313B	317F	1990/07/01	NWPO3	193154
9000208	F291	BR9450	9999	313B	317F	1990/07/01	PAGP2	193155
9000208	F291	BR9451	9999	313B	317F	1990/07/01	PILM4	193156
9000208	F291	BR9452	9999	313B	317F	1990/07/01	PTAC1	193157
9000208	F291	BR9453	9999	313B	317F	1990/07/01	PTAT2	193158
9000208	F291	BR9454	9999	313B	317F	1990/07/01	PTGC1	193159
9000208	F291	BR9455	9999	313B	317F	1990/07/01	ROAM4	193160
9000208	F291	BR9456	9999	313B	317F	1990/07/01	SAUF1	193161
9000208	F291	BR9457	9999	313B	317F	1990/07/01	SBIO1	193162
9000208	F291	BR9458	9999	313B	317F	1990/07/01	SGNW3	193163
9000208	F291	BR9459	9999	313B	317F	1990/07/01	SISW1	193164
9000208	F291	BR9460	9999	313B	317F	1990/07/01	SMKF1	193165
9000208	F291	BR9461	9999	313B	317F	1990/07/01	SPGF1	193166
9000208	F291	BR9462	9999	313B	317F	1990/07/01	SRST2	193167
9000208	F291	BR9463	9999	313B	317F	1990/07/01	STDM4	193168
9000208	F291	BR9464	9999	313B	317F	1990/07/01	SVLS1	193169
9000208	F291	BR9465	9999	313B	317F	1990/07/01	TPLM2	193170
9000208	F291	BR9466	9999	313B	317F	1990/07/01	TTIW1	193171
9000208	F291	BR9467	9999	313B	317F	1990/07/01	UJAP2	193172
9000208	F291	BR9468	9999	313B	317F	1990/07/01	VENF1	193173
9000208	F291	BR9469	9999	313B	317F	1990/07/01	WPOW1	193174
9000208	F291	BR9370	9999	313B	317F	1990/07/01	41001	193075
9000208	F291	BR9371	9999	313B	317F	1990/07/01	41002	193076
9000208	F291	BR9372	9999	313B	317F	1990/07/01	41006	193077
9000208	F291	BR9373	9999	313B	317F	1990/07/01	41008	193078
9000208	F291	BR9374	9999	313B	317F	1990/07/01	41009	193079
9000208	F291	BR9375	9999	313B	317F	1990/07/01	41010	193080
9000208	F291	BR9376	9999	313B	317F	1990/07/01	42001	193081
9000208	F291	BR9377	9999	313B	317F	1990/07/01	42002	193082
9000208	F291	BR9378	9999	313B	317F	1990/07/01	42003	193083
9000208	F291	BR9379	9999	313B	317F	1990/07/01	42007	193084
9000208	F291	BR9380	9999	313B	317F	1990/07/01	42015	193085
9000208	F291	BR9381	9999	313B	317F	1990/07/26	42016	193086
9000208	F291	BR9382	9999	313B	317F	1990/07/01	42019	193087
9000208	F291	BR9383	9999	313B	317F	1990/07/01	42020	193088
9000208	F291	BR9384	9999	313B	317F	1990/07/01	44004	193089
9000208	F291	BR9385	9999	313B	317F	1990/07/01	44005	193090
9000208	F291	BR9386	9999	313B	317F	1990/07/01	44007	193091

(100 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
9000208	F291	BR9387	317F	1	8119	90/07/01	90/07/31
9000208	F291	BR9388	317F	1	7364	90/07/01	90/07/31
9000208	F291	BR9389	317F	1	8009	90/07/01	90/07/31
9000208	F291	BR9390	317F	1	7346	90/07/01	90/07/31
9000208	F291	BR9391	317F	1	7362	90/07/01	90/07/31
9000208	F291	BR9392	317F	1	1478	90/07/01	90/07/31
9000208	F291	BR9393	317F	1	1476	90/07/01	90/07/31
9000208	F291	BR9394	317F	1	1480	90/07/01	90/07/31
9000208	F291	BR9395	317F	1	43714	90/07/01	90/07/31
9000208	F291	BR9396	317F	1	7302	90/07/01	90/07/31
9000208	F291	BR9397	317F	1	42545	90/07/01	90/07/31
9000208	F291	BR9398	317F	1	8868	90/07/01	90/07/31
9000208	F291	BR9399	317F	1	3110	90/07/19	90/07/31
9000208	F291	BR9400	317F	1	7715	90/07/01	90/07/31
9000208	F291	BR9401	317F	1	7380	90/07/01	90/07/31
9000208	F291	BR9402	317F	1	2952	90/07/01	90/07/31
9000208	F291	BR9403	317F	1	8055	90/07/01	90/07/31
9000208	F291	BR9404	317F	1	7364	90/07/01	90/07/31
9000208	F291	BR9405	317F	1	8848	90/07/01	90/07/31
9000208	F291	BR9406	317F	1	7392	90/07/01	90/07/31
9000208	F291	BR9407	317F	1	7372	90/07/01	90/07/31
9000208	F291	BR9408	317F	1	8856	90/07/01	90/07/31
9000208	F291	BR9409	317F	1	1030	90/07/01	90/07/14
9000208	F291	BR9410	317F	1	7362	90/07/01	90/07/31
9000208	F291	BR9411	317F	1	8828	90/07/01	90/07/31
9000208	F291	BR9412	317F	1	1190	90/07/01	90/07/05
9000208	F291	BR9413	317F	1	7262	90/07/01	90/07/31
9000208	F291	BR9414	317F	1	8858	90/07/01	90/07/31
9000208	F291	BR9415	317F	1	7382	90/07/01	90/07/31
9000208	F291	BR9416	317F	1	7827	90/07/01	90/07/31
9000208	F291	BR9417	317F	1	7311	90/07/01	90/07/31
9000208	F291	BR9418	317F	1	7372	90/07/01	90/07/31
9000208	F291	BR9419	317F	1	44963	90/07/01	90/07/31
9000208	F291	BR9420	317F	1	8840	90/07/01	90/07/31
9000208	F291	BR9421	317F	1	8742	90/07/01	90/07/31
9000208	F291	BR9422	317F	1	8706	90/07/01	90/07/31
9000208	F291	BR9423	317F	1	7204	90/07/01	90/07/31
9000208	F291	BR9424	317F	1	2220	90/07/01	90/07/31
9000208	F291	BR9425	317F	1	1474	90/07/01	90/07/31
9000208	F291	BR9426	317F	1	1482	90/07/01	90/07/31
9000208	F291	BR9427	317F	1	7280	90/07/01	90/07/31
9000208	F291	BR9428	317F	1	2217	90/07/01	90/07/31
9000208	F291	BR9429	317F	1	2222	90/07/01	90/07/31
9000208	F291	BR9430	317F	1	1476	90/07/01	90/07/31
9000208	F291	BR9431	317F	1	1480	90/07/01	90/07/31
9000208	F291	BR9432	317F	1	1474	90/07/01	90/07/31
9000208	F291	BR9433	317F	1	1448	90/07/01	90/07/31
9000208	F291	BR9434	317F	1	7171	90/07/01	90/07/31
9000208	F291	BR9435	317F	1	1462	90/07/01	90/07/31
9000208	F291	BR9436	317F	1	658	90/07/01	90/07/31
9000208	F291	BR9437	317F	1	1476	90/07/01	90/07/31
9000208	F291	BR9438	317F	1	1482	90/07/01	90/07/31
9000208	F291	BR9439	317F	1	2220	90/07/01	90/07/31
9000208	F291	BR9440	317F	1	6789	90/07/01	90/07/31
9000208	F291	BR9441	317F	1	2223	90/07/01	90/07/31
9000208	F291	BR9442	317F	1	1474	90/07/01	90/07/31

9000208	F291	BR9443	317F	1	1478	90/07/01	90/07/31
9000208	F291	BR9444	317F	1	2216	90/07/01	90/07/31
9000208	F291	BR9445	317F	1	1478	90/07/01	90/07/31
9000208	F291	BR9446	317F	1	1472	90/07/01	90/07/31
9000208	F291	BR9447	317F	1	1472	90/07/01	90/07/31
9000208	F291	BR9448	317F	1	3015	90/07/03	90/07/31
9000208	F291	BR9449	317F	1	1482	90/07/01	90/07/31
9000208	F291	BR9450	317F	1	1224	90/07/01	90/07/31
9000208	F291	BR9451	317F	1	1476	90/07/01	90/07/31
9000208	F291	BR9452	317F	1	1482	90/07/01	90/07/31
9000208	F291	BR9453	317F	1	2222	90/07/01	90/07/31
9000208	F291	BR9454	317F	1	1482	90/07/01	90/07/31
9000208	F291	BR9455	317F	1	656	90/07/01	90/07/25
9000208	F291	BR9456	317F	1	2208	90/07/01	90/07/31
9000208	F291	BR9457	317F	1	1474	90/07/01	90/07/31
9000208	F291	BR9458	317F	1	1476	90/07/01	90/07/31
9000208	F291	BR9459	317F	1	1482	90/07/01	90/07/31
9000208	F291	BR9460	317F	1	1472	90/07/01	90/07/31
9000208	F291	BR9461	317F	1	1416	90/07/01	90/07/31
9000208	F291	BR9462	317F	1	2223	90/07/01	90/07/31
9000208	F291	BR9463	317F	1	1476	90/07/01	90/07/31
9000208	F291	BR9464	317F	1	1476	90/07/01	90/07/31
9000208	F291	BR9465	317F	1	2212	90/07/01	90/07/31
9000208	F291	BR9466	317F	1	1482	90/07/01	90/07/31
9000208	F291	BR9467	317F	1	1458	90/07/01	90/07/31
9000208	F291	BR9468	317F	1	1533	90/07/01	90/07/31
9000208	F291	BR9469	317F	1	1450	90/07/01	90/07/31
9000208	F291	BR9370	317F	1	8134	90/07/01	90/07/31
9000208	F291	BR9371	317F	1	8896	90/07/01	90/07/31
9000208	F291	BR9372	317F	1	8095	90/07/01	90/07/31
9000208	F291	BR9373	317F	1	44383	90/07/01	90/07/31
9000208	F291	BR9374	317F	1	14816	90/07/01	90/07/31
9000208	F291	BR9375	317F	1	14758	90/07/01	90/07/31
9000208	F291	BR9376	317F	1	3629	90/07/01	90/07/31
9000208	F291	BR9377	317F	1	8163	90/07/01	90/07/31
9000208	F291	BR9378	317F	1	8058	90/07/01	90/07/31
9000208	F291	BR9379	317F	1	6753	90/07/01	90/07/31
9000208	F291	BR9380	317F	1	44436	90/07/01	90/07/31
9000208	F291	BR9381	317F	1	842	90/07/26	90/07/31
9000208	F291	BR9382	317F	1	7430	90/07/01	90/07/31
9000208	F291	BR9383	317F	1	7396	90/07/01	90/07/31
9000208	F291	BR9384	317F	1	3654	90/07/01	90/07/17
9000208	F291	BR9385	317F	1	8112	90/07/01	90/07/31
9000208	F291	BR9386	317F	1	7364	90/07/01	90/07/31

(100 rows affected)