ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000143	BR9174	F191		313B	317F	32302	05/01/90	05/03/90	1	520
9000143	BR9175	F191		313B	317F	41001	05/01/90	05/31/90	1	8,091
9000143	BR9176	F191		313B	317F	41002	05/01/90	05/31/90	1	8,884
9000143	BR9177	F191		313B	317F	41006	05/01/90	05/31/90	1	8,108
9000143	BR9178	F191		313B	317F	41008	05/01/90	05/31/90	1	44,190
9000143	BR9179	F191		313B	317F	41009	05/01/90	05/31/90	1	14,686
9000143	BR9180	F191		313B	317F	41010	05/01/90	05/31/90	1	14,670
9000143	BR9181	F191		313B	317F	42001	05/01/90	05/31/90	1	8,122
9000143	BR9182	F191		313B	317F	42002	05/01/90	05/31/90	1	8,092
9000143	BR9183	F191		313B	317F	42003	05/01/90	05/31/90	1	7,942
9000143	BR9184	F191		313B	317F	42007	05/01/90	05/31/90	1	8,015
9000143	BR9185	F191		313B	317F	42015	05/01/90	05/31/90	1	44,192
9000143	BR9186	F191		313B	317F	42016	05/01/90	05/22/90	1	28,574
9000143	BR9187	F191		313B	317F	42019	05/25/90	05/31/90	1	1,630
9000143	BR9188	F191		313B	317F	42020	05/24/90	05/31/90	1	1,742
9000143	BR9189	F191		313B	317F	44004	05/01/90	05/31/90	1	8,133
9000143	BR9190	F191		313B	317F	44005	05/01/90	05/31/90	1	6,930
9000143	BR9191	F191		313B	317F	44007	05/01/90	05/31/90	1	7,386
9000143	BR9192	F191		313B	317F	44008	05/01/90	05/31/90	1	8,077

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000143	BR9193	F191		313B	317F	44009	05/01/90	05/31/90	1	7,312
9000143	BR9194	F191		313B	317F	44011	05/01/90	05/31/90	1	8,093
9000143	BR9195	F191		313B	317F	44013	05/01/90	05/31/90	1	7,348
9000143	BR9196	F191		313B	317F	45001	05/01/90	05/31/90	1	7,358
9000143	BR9197	F191		313B	317F	45002	05/24/90	05/31/90	1	1,682
9000143	BR9198	F191		313B	317F	45003	05/01/90	05/31/90	1	1,478
9000143	BR9199	F191		313B	317F	45004	05/01/90	05/31/90	1	7,016
9000143	BR9200	F191		313B	317F	45005	05/06/90	05/31/90	1	35,780
9000143	BR9201	F191		313B	317F	45006	05/01/90	05/31/90	1	7,388
9000143	BR9202	F191		313B	317F	45007	05/01/90	05/31/90	1	43,128
9000143	BR9203	F191		313B	317F	45008	05/01/90	05/31/90	1	1,992
9000143	BR9204	F191		313B	317F	46003	05/01/90	05/31/90	1	7,314
9000143	BR9205	F191		313B	317F	46005	05/01/90	05/31/90	1	5,016
9000143	BR9206	F191		313B	317F	46006	05/01/90	05/31/90	1	7,968
9000143	BR9207	F191		313B	317F	46010	05/01/90	05/31/90	1	7,320
9000143	BR9208	F191		313B	317F	46011	05/01/90	05/31/90	1	8,774
9000143	BR9209	F191		313B	317F	46013	05/01/90	05/31/90	1	7,312
9000143	BR9210	F191		313B	317F	46014	05/01/90	05/31/90	1	8,740
9000143	BR9211	F191		313B	317F	46022	05/01/90	05/31/90	1	2,930
9000143	BR9212	F191		313B	317F	46023	05/26/90	05/31/90	1	1,252
9000143	BR9213	F191		313B	317F	46025	05/01/90	05/31/90	1	8,906
9000143	BR9214	F191		313B	317F	46026	05/01/90	05/31/90	1	7,286
9000143	BR9215	F191		313B	317F	46027	05/01/90	05/31/90	1	7,200
9000143	BR9216	F191		313B	317F	46028	05/01/90	05/31/90	1	8,862
9000143	BR9217	F191		313B	317F	46030	05/01/90	05/31/90	1	7,302
9000143	BR9218	F191		313B	317F	46035	05/01/90	05/31/90	1	8,001
9000143	BR9219	F191		313B	317F	46040	05/02/90	05/31/90	1	6,836

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000143	BR9220	F191		313B	317F	46041	05/01/90	05/31/90	1	7,300
9000143	BR9221	F191		313B	317F	46042	05/01/90	05/31/90	1	44,302
9000143	BR9222	F191		313B	317F	51001	05/01/90	05/31/90	1	8,838
9000143	BR9223	F191		313B	317F	51002	05/01/90	05/31/90	1	8,742
9000143	BR9224	F191		313B	317F	51003	05/01/90	05/31/90	1	8,800
9000143	BR9225	F191		313B	317F	51004	05/01/90	05/31/90	1	8,754
9000143	BR9226	F191		313B	317F	ALSN6	05/01/90	05/31/90	1	6,796
9000143	BR9227	F191		313B	317F	BURL1	05/01/90	05/31/90	1	2,219
9000143	BR9228	F191		313B	317F	BUZM3	05/01/90	05/31/90	1	1,480
9000143	BR9229	F191		313B	317F	CARO3	05/01/90	05/31/90	1	1,482
9000143	BR9230	F191		313B	317F	CHLV2	05/01/90	05/31/90	1	7,485
9000143	BR9231	F191		313B	317F	CLKN7	05/01/90	05/31/90	1	2,219
9000143	BR9232	F191		313B	317F	CSBF1	05/01/90	05/31/90	1	2,220
9000143	BR9233	F191		313B	317F	DBLN6	05/01/90	05/31/90	1	1,482
9000143	BR9234	F191		313B	317F	DESW1	05/01/90	05/31/90	1	1,482
9000143	BR9235	F191		313B	317F	DISW3	05/01/90	05/31/90	1	1,482
9000143	BR9236	F191		313B	317F	DPIA1	05/01/90	05/31/90	1	1,482
9000143	BR9237	F191		313B	317F	DSLN7	05/01/90	05/31/90	1	7,718
9000143	BR9238	F191		313B	317F	ENIP2	05/01/90	05/31/90	1	1,462
9000143	BR9239	F191		313B	317F	FARP2	05/01/90	05/31/90	1	908
9000143	BR9240	F191		313B	317F	FBIS1	05/01/90	05/31/90	1	1,478
9000143	BR9241	F191		313B	317F	FFIA2	05/01/90	05/31/90	1	1,486
9000143	BR9242	F191		313B	317F	FPSN7	05/01/90	05/31/90	1	2,211
9000143	BR9243	F191		313B	317F	GBCL1	05/01/90	05/31/90	1	2,208
9000143	BR9244	F191		313B	317F	GDIL1	05/01/90	05/31/90	1	2,217
9000143	BR9245	F191		313B	317F	GLLN6	05/01/90	05/31/90	1	1,478
9000143	BR9246	F191		313B	317F	IOSN3	05/01/90	05/31/90	1	1,484
9000143	BR9247	F191		313B	317F	LKWF1	05/01/90	05/31/90	1	2,213
9000143	BR9248	F191		313B	317F	MDRM1	05/01/90	05/31/90	1	1,484
9000143	BR9249	F191		313B	317F	MISM1	05/01/90	05/31/90	1	1,482
9000143	BR9250	F191		313B	317F	MLRF1	05/01/90	05/31/90	1	1,478
9000143	BR9251	F191		313B	317F	MPCL1	05/01/90	05/31/90	1	1,462
9000143	BR9252	F191		313B	317F	NWPO3	05/01/90	05/31/90	1	1,484
9000143	BR9253	F191		313B	317F	PILM4	05/01/90	05/31/90	1	1,478
9000143	BR9254	F191		313B	317F	PTAC1	05/01/90	05/31/90	1	1,476
9000143	BR9255	F191		313B	317F	PTAT2	05/01/90	05/31/90	1	2,224
9000143	BR9256	F191		313B	317F	PTGC1	05/01/90	05/31/90	1	1,316
9000143	BR9257	F191		313B	317F	ROAM4	05/01/90	05/31/90	1	1,426
9000143	BR9258	F191		313B	317F	SAUF1	05/01/90	05/31/90	1	2,213
9000143	BR9259	F191		313B	317F	SBIO1	05/01/90	05/31/90	1	1,476
9000143	BR9260	F191		313B	317F	SGNW3	05/01/90	05/31/90	1	1,480
9000143	BR9261	F191		313B	317F	SISW1	05/01/90	05/31/90	1	1,484
9000143	BR9262	F191		313B	317F	SMKF1	05/01/90	05/31/90	1	1,484
9000143	BR9263	F191		313B	317F	SPGF1	05/01/90	05/31/90	1	2,220
9000143	BR9264	F191		313B	317F	SRST2	05/01/90	05/31/90	1	2,222
9000143	BR9265	F191		313B	317F	STDM4	05/01/90	05/31/90	1	1,480
9000143	BR9266	F191		313B	317F	SVLS1	05/01/90	05/31/90	1	1,482
9000143	BR9267	F191		313B	317F	TPLM2	05/01/90	05/31/90	1	2,217
9000143	BR9268	F191		313B	317F	TTIW1	05/01/90	05/31/90	1	1,484
9000143	BR9269	F191		313B	317F	UJAP2	05/01/90	05/31/90	1	1,472

[redacted]00143	BR9270	F191	313B	317F	VENF1	05/01/90	05/29/90	1	2,064
9000143	BR9271	F191	313B	317F	WPOW1	05/01/90	05/31/90	1	1,476

ACCESSION NO. 9000143 FILETYPE F191 TRACK NO. BR9174-9192 PROJECT IDENTIFICATION

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7-9-90	C.M.H	A01210 *	1	120	4080	238000
DUPLICATE TAPE	7-17-90	F.J.M.	W15630 *	1	120	4800	237,984
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* = NO LABEL

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 9000143 FILETYPE F191 TRACK NO. BR9193 — 9219 PROJECT IDENTIFICATION

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7-9-90	C.M.H.	A01211 *	1	120	4080	239,564
DUPLICATE TAPE	7-~~23~~-90	F.J.M.	W15675 *	1	120	4800	239,594
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: * = NO LABEL

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 90 00143 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

BR9220 - 9271

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7-9-90	C.M.H.	A01212	1	120	4080	180,982
DUPLICATE TAPE	7-26-90	F.J.M.	W15807	1	120	4800	180,992
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

90 00143

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

June 29, 1990

F1804-02
DB3:90-0278
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 May 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.

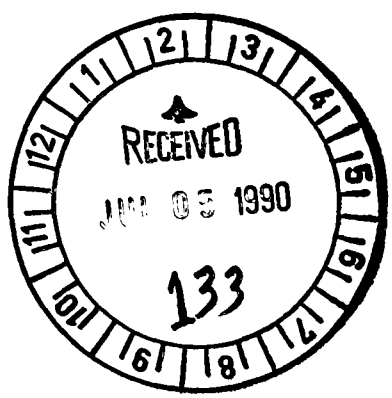
If you have any questions, please call B. G. Redmon at FTS 494-2834, or Commercial (601) 688-2834.

Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures



Attachment

Tape 1:
32302 05019000-05039004
41001 05019000-05319023
41002 05019000-05319023
41006 05019000-05319023
41008 05019000-05319023
41009 05019000-05319023
41010 05019000-05319023
42001 05019000-05319023
42002 05019000-05319023
42003 05019000-05319023
42007 05019000-05319023
42015 05019000-05319023
42016 05019000-05229008
42019 05259004-05319023
42020 05249016-05319023
44004 05019000-05319023
44005 05019000-05319023
44007 05019000-05319023
44008 05019000-05319023 -19

Tape 2:
44009 05019000-05319023
44011 05019000-05319023
44013 05019000-05319023
45001 05019000-05319023
45002 05249021-05319023
45003 05019001-05319023
45004 05019000-05319023
45005 05069019-05319023
45006 05019000-05319023
45007 05019000-05319023 -10
45008 05019000-05319023
46003 05019000-05319023
46005 05019000-05319023
46006 05019000-05319023
46010 05019000-05319023
46011 05019000-05319023
46013 05019000-05319023
46014 05019000-05319023
46022 05019000-05319023
46023 05269017-05319023 -20
46025 05019000-05319023
46026 05019000-05319023
46027 05019000-05319023
46028 05019000-05319023
46030 05019000-05319023
46035 05019000-05319023
46040 05029002-05319023 -27

Tape 3: 46041 05019000-05319023
46042 05019000-05319023
51001 05019000-05319023
51002 05019000-05319023
51003 05019000-05319023
51004 05019000-05319023
ALSN6 05019000-05319023
BURL1 05019000-05319023
BUZM3 05019000-05319023
CARO3 05019000-05319023
CHLV2 05019000-05319023
CLKN7 05019000-05319023
CSBF1 05019000-05319023
DBLN6 05019000-05319023
DESW1 05019000-05319023
DISW3 05019000-05319023
DPIA1 05019000-05319023
DSLN7 05019000-05319023
ENIP2 05019000-05319023
FARP2 05019000-05319023
FBIS1 05019000-05319023
FFIA2 05019000-05319023
FPSN7 05019000-05319023
GBCL1 05019000-05319023
GDIL1 05019000-05319023
GLLN6 05019000-05319023
IOSN3 05019000-05319023
LKWF1 05019000-05319023
MDRM1 05019000-05319023
MISM1 05019000-05319023
MLRF1 05019000-05319023
MPCL1 05019000-05319023
NWPO3 05019000-05319023
PILM4 05019000-05319023
PTAC1 05019000-05319023
PTAT2 05019000-05319023
PTGC1 05019000-05319023
ROAM4 05019000-05319023
SAUF1 05019000-05319023
SBIO1 05019000-05319023
SGNW3 05019000-05319023
SISW1 05019000-05319023
SMKF1 05019000-05319023
SPGF1 05019000-05319023
SRST2 05019000-05319023
STDM4 05019000-05319023
SVLS1 05019000-05319023
TPLM2 05019000-05319023
TTIW1 05019000-05319023
UJAP2 05019000-05319023
VENF1 05019000-05319023
WPOW1 05019000-05319023

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

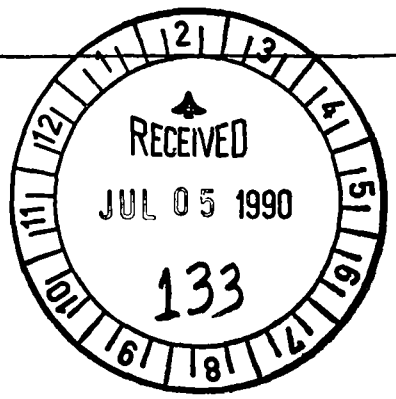
1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

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.

dc # 9000143

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

A 01210
A 01211
A 01212



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

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	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	16. LENGTH 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	

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
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	16. LENGTH 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
9000143	F291	BR9174	9999	313B	317F	1990/05/01	32302	192097
9000143	F291	BR9175	9999	313B	317F	1990/05/01	41001	192098
9000143	F291	BR9176	9999	313B	317F	1990/05/01	41002	192099
9000143	F291	BR9177	9999	313B	317F	1990/05/01	41006	192100
9000143	F291	BR9178	9999	313B	317F	1990/05/01	41008	192101
9000143	F291	BR9179	9999	313B	317F	1990/05/01	41009	192102
9000143	F291	BR9180	9999	313B	317F	1990/05/01	41010	192103
9000143	F291	BR9181	9999	313B	317F	1990/05/01	42001	192104
9000143	F291	BR9182	9999	313B	317F	1990/05/01	42002	192105
9000143	F291	BR9183	9999	313B	317F	1990/05/01	42003	192106
9000143	F291	BR9184	9999	313B	317F	1990/05/01	42007	192107
9000143	F291	BR9185	9999	313B	317F	1990/05/01	42015	192108
9000143	F291	BR9186	9999	313B	317F	1990/05/01	42016	192109
9000143	F291	BR9187	9999	313B	317F	1990/05/25	42019	192110
9000143	F291	BR9188	9999	313B	317F	1990/05/24	42020	192111
9000143	F291	BR9189	9999	313B	317F	1990/05/01	44004	192112
9000143	F291	BR9190	9999	313B	317F	1990/05/01	44005	192113
9000143	F291	BR9191	9999	313B	317F	1990/05/01	44007	192114
9000143	F291	BR9192	9999	313B	317F	1990/05/01	44008	192115
9000143	F291	BR9193	9999	313B	317F	1990/05/01	44009	192116
9000143	F291	BR9194	9999	313B	317F	1990/05/01	44011	192117
9000143	F291	BR9195	9999	313B	317F	1990/05/01	44013	192118
9000143	F291	BR9196	9999	313B	317F	1990/05/01	45001	192119
9000143	F291	BR9197	9999	313B	317F	1990/05/24	45002	192120
9000143	F291	BR9198	9999	313B	317F	1990/05/01	45003	192121
9000143	F291	BR9199	9999	313B	317F	1990/05/01	45004	192122
9000143	F291	BR9200	9999	313B	317F	1990/05/06	45005	192123
9000143	F291	BR9201	9999	313B	317F	1990/05/01	45006	192124
9000143	F291	BR9202	9999	313B	317F	1990/05/01	45007	192125
9000143	F291	BR9203	9999	313B	317F	1990/05/01	45008	192126
9000143	F291	BR9204	9999	313B	317F	1990/05/01	46003	192127
9000143	F291	BR9205	9999	313B	317F	1990/05/01	46005	192128
9000143	F291	BR9206	9999	313B	317F	1990/05/01	46006	192129
9000143	F291	BR9207	9999	313B	317F	1990/05/01	46010	192130
9000143	F291	BR9208	9999	313B	317F	1990/05/01	46011	192131
9000143	F291	BR9209	9999	313B	317F	1990/05/01	46013	192132
9000143	F291	BR9210	9999	313B	317F	1990/05/01	46014	192133
9000143	F291	BR9211	9999	313B	317F	1990/05/01	46022	192134
9000143	F291	BR9212	9999	313B	317F	1990/05/26	46023	192135
9000143	F291	BR9213	9999	313B	317F	1990/05/01	46025	192136
9000143	F291	BR9214	9999	313B	317F	1990/05/01	46026	192137
9000143	F291	BR9215	9999	313B	317F	1990/05/01	46027	192138
9000143	F291	BR9216	9999	313B	317F	1990/05/01	46028	192139
9000143	F291	BR9217	9999	313B	317F	1990/05/01	46030	192140
9000143	F291	BR9218	9999	313B	317F	1990/05/01	46035	192141
9000143	F291	BR9219	9999	313B	317F	1990/05/02	46040	192142
9000143	F291	BR9220	9999	313B	317F	1990/05/01	46041	192143
9000143	F291	BR9221	9999	313B	317F	1990/05/01	46042	192144
9000143	F291	BR9222	9999	313B	317F	1990/05/01	51001	192145
9000143	F291	BR9223	9999	313B	317F	1990/05/01	51002	192146
9000143	F291	BR9224	9999	313B	317F	1990/05/01	51003	192147
9000143	F291	BR9225	9999	313B	317F	1990/05/01	51004	192148
9000143	F291	BR9226	9999	313B	317F	1990/05/01	ALSN6	192149
9000143	F291	BR9227	9999	313B	317F	1990/05/01	BURL1	192150
9000143	F291	BR9228	9999	313B	317F	1990/05/01	BUZM3	192151
9000143	F291	BR9229	9999	313B	317F	1990/05/01	CARO3	192152

9000143	F291	BR9230	9999	313B	317F	1990/05/01	CHLV2	192153
9000143	F291	BR9231	9999	313B	317F	1990/05/01	CLKN7	192154
9000143	F291	BR9232	9999	313B	317F	1990/05/01	CSBF1	192155
9000143	F291	BR9233	9999	313B	317F	1990/05/01	DBLN6	192156
9000143	F291	BR9234	9999	313B	317F	1990/05/01	DESW1	192157
9000143	F291	BR9235	9999	313B	317F	1990/05/01	DISW3	192158
9000143	F291	BR9236	9999	313B	317F	1990/05/01	DPIA1	192159
9000143	F291	BR9237	9999	313B	317F	1990/05/01	DSLN7	192160
9000143	F291	BR9238	9999	313B	317F	1990/05/01	ENIP2	192161
9000143	F291	BR9239	9999	313B	317F	1990/05/01	FARP2	192162
9000143	F291	BR9240	9999	313B	317F	1990/05/01	FBIS1	192163
9000143	F291	BR9241	9999	313B	317F	1990/05/01	FFIA2	192164
9000143	F291	BR9242	9999	313B	317F	1990/05/01	FPSN7	192165
9000143	F291	BR9243	9999	313B	317F	1990/05/01	GBCL1	192166
9000143	F291	BR9244	9999	313B	317F	1990/05/01	GDIL1	192167
9000143	F291	BR9245	9999	313B	317F	1990/05/01	GLLN6	192168
9000143	F291	BR9246	9999	313B	317F	1990/05/01	IOSN3	192169
9000143	F291	BR9247	9999	313B	317F	1990/05/01	LKWF1	192170
9000143	F291	BR9248	9999	313B	317F	1990/05/01	MDRM1	192171
9000143	F291	BR9249	9999	313B	317F	1990/05/01	MISM1	192172
9000143	F291	BR9250	9999	313B	317F	1990/05/01	MLRF1	192173
9000143	F291	BR9251	9999	313B	317F	1990/05/01	MPCL1	192174
9000143	F291	BR9252	9999	313B	317F	1990/05/01	NWPO3	192175
9000143	F291	BR9253	9999	313B	317F	1990/05/01	PILM4	192176
9000143	F291	BR9254	9999	313B	317F	1990/05/01	PTAC1	192177
9000143	F291	BR9255	9999	313B	317F	1990/05/01	PTAT2	192178
9000143	F291	BR9256	9999	313B	317F	1990/05/01	PTGC1	192179
9000143	F291	BR9257	9999	313B	317F	1990/05/01	ROAM4	192180
9000143	F291	BR9258	9999	313B	317F	1990/05/01	SAUF1	192181
9000143	F291	BR9259	9999	313B	317F	1990/05/01	SBIO1	192182
9000143	F291	BR9260	9999	313B	317F	1990/05/01	SGNW3	192183
9000143	F291	BR9261	9999	313B	317F	1990/05/01	SISW1	192184
9000143	F291	BR9262	9999	313B	317F	1990/05/01	SMKF1	192185
9000143	F291	BR9263	9999	313B	317F	1990/05/01	SPGF1	192186
9000143	F291	BR9264	9999	313B	317F	1990/05/01	SRST2	192187
9000143	F291	BR9265	9999	313B	317F	1990/05/01	STDM4	192188
9000143	F291	BR9266	9999	313B	317F	1990/05/01	SVLS1	192189
9000143	F291	BR9267	9999	313B	317F	1990/05/01	TPLM2	192190
9000143	F291	BR9268	9999	313B	317F	1990/05/01	TTIW1	192191
9000143	F291	BR9269	9999	313B	317F	1990/05/01	UJAP2	192192
9000143	F291	BR9270	9999	313B	317F	1990/05/01	VENF1	192193
9000143	F291	BR9271	9999	313B	317F	1990/05/01	WPOW1	192194

(98 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
9000143	F291	BR9174	317F	1	520	90/05/01	90/05/01
9000143	F291	BR9175	317F	1	8091	90/05/01	90/05/01
9000143	F291	BR9176	317F	1	8884	90/05/01	90/05/01
9000143	F291	BR9177	317F	1	8108	90/05/01	90/05/01
9000143	F291	BR9178	317F	1	44190	90/05/01	90/05/01
9000143	F291	BR9179	317F	1	14686	90/05/01	90/05/01
9000143	F291	BR9180	317F	1	14670	90/05/01	90/05/01
9000143	F291	BR9181	317F	1	8122	90/05/01	90/05/01
9000143	F291	BR9182	317F	1	8092	90/05/01	90/05/01
9000143	F291	BR9183	317F	1	7942	90/05/01	90/05/01
9000143	F291	BR9184	317F	1	8015	90/05/01	90/05/01
9000143	F291	BR9185	317F	1	44192	90/05/01	90/05/01
9000143	F291	BR9186	317F	1	28574	90/05/01	90/05/01
9000143	F291	BR9187	317F	1	1630	90/05/25	90/05/25
9000143	F291	BR9188	317F	1	1742	90/05/24	90/05/24
9000143	F291	BR9189	317F	1	8133	90/05/01	90/05/01
9000143	F291	BR9190	317F	1	6930	90/05/01	90/05/01
9000143	F291	BR9191	317F	1	7386	90/05/01	90/05/01
9000143	F291	BR9192	317F	1	8077	90/05/01	90/05/01
9000143	F291	BR9193	317F	1	7312	90/05/01	90/05/01
9000143	F291	BR9194	317F	1	8093	90/05/01	90/05/01
9000143	F291	BR9195	317F	1	7348	90/05/01	90/05/01
9000143	F291	BR9196	317F	1	7358	90/05/01	90/05/01
9000143	F291	BR9197	317F	1	1682	90/05/24	90/05/24
9000143	F291	BR9198	317F	1	1478	90/05/01	90/05/01
9000143	F291	BR9199	317F	1	7016	90/05/01	90/05/01
9000143	F291	BR9200	317F	1	35780	90/05/06	90/05/06
9000143	F291	BR9201	317F	1	7388	90/05/01	90/05/01
9000143	F291	BR9202	317F	1	43128	90/05/01	90/05/01
9000143	F291	BR9203	317F	1	1992	90/05/01	90/05/01
9000143	F291	BR9204	317F	1	7314	90/05/01	90/05/01
9000143	F291	BR9205	317F	1	5016	90/05/01	90/05/01
9000143	F291	BR9206	317F	1	7968	90/05/01	90/05/01
9000143	F291	BR9207	317F	1	7320	90/05/01	90/05/01
9000143	F291	BR9208	317F	1	8774	90/05/01	90/05/01
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9000143	F291	BR9210	317F	1	8740	90/05/01	90/05/01
9000143	F291	BR9211	317F	1	2930	90/05/01	90/05/01
9000143	F291	BR9212	317F	1	1252	90/05/26	90/05/26
9000143	F291	BR9213	317F	1	8906	90/05/01	90/05/01
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9000143	F291	BR9216	317F	1	8862	90/05/01	90/05/01
9000143	F291	BR9217	317F	1	7302	90/05/01	90/05/01
9000143	F291	BR9218	317F	1	8001	90/05/01	90/05/01
9000143	F291	BR9219	317F	1	6836	90/05/02	90/05/02
9000143	F291	BR9220	317F	1	7300	90/05/01	90/05/01
9000143	F291	BR9221	317F	1	44302	90/05/01	90/05/01
9000143	F291	BR9222	317F	1	8838	90/05/01	90/05/01
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9000143	F291	BR9226	317F	1	6796	90/05/01	90/05/01
9000143	F291	BR9227	317F	1	2219	90/05/01	90/05/01
9000143	F291	BR9228	317F	1	1480	90/05/01	90/05/01
9000143	F291	BR9229	317F	1	1482	90/05/01	90/05/01

9000143	F291	BR9230	317F	1	7485	90/05/01	90/05/01
9000143	F291	BR9231	317F	1	2219	90/05/01	90/05/01
9000143	F291	BR9232	317F	1	2220	90/05/01	90/05/01
9000143	F291	BR9233	317F	1	1482	90/05/01	90/05/01
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9000143	F291	BR9236	317F	1	1482	90/05/01	90/05/01
9000143	F291	BR9237	317F	1	7718	90/05/01	90/05/01
9000143	F291	BR9238	317F	1	1462	90/05/01	90/05/01
9000143	F291	BR9239	317F	1	908	90/05/01	90/05/01
9000143	F291	BR9240	317F	1	1478	90/05/01	90/05/01
9000143	F291	BR9241	317F	1	1486	90/05/01	90/05/01
9000143	F291	BR9242	317F	1	2211	90/05/01	90/05/01
9000143	F291	BR9243	317F	1	2208	90/05/01	90/05/01
9000143	F291	BR9244	317F	1	2217	90/05/01	90/05/01
9000143	F291	BR9245	317F	1	1478	90/05/01	90/05/01
9000143	F291	BR9246	317F	1	1484	90/05/01	90/05/01
9000143	F291	BR9247	317F	1	2213	90/05/01	90/05/01
9000143	F291	BR9248	317F	1	1484	90/05/01	90/05/01
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9000143	F291	BR9250	317F	1	1478	90/05/01	90/05/01
9000143	F291	BR9251	317F	1	1462	90/05/01	90/05/01
9000143	F291	BR9252	317F	1	1484	90/05/01	90/05/01
9000143	F291	BR9253	317F	1	1478	90/05/01	90/05/01
9000143	F291	BR9254	317F	1	1476	90/05/01	90/05/01
9000143	F291	BR9255	317F	1	2224	90/05/01	90/05/01
9000143	F291	BR9256	317F	1	1316	90/05/01	90/05/01
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9000143	F291	BR9259	317F	1	1476	90/05/01	90/05/01
9000143	F291	BR9260	317F	1	1480	90/05/01	90/05/01
9000143	F291	BR9261	317F	1	1484	90/05/01	90/05/01
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9000143	F291	BR9263	317F	1	2220	90/05/01	90/05/01
9000143	F291	BR9264	317F	1	2222	90/05/01	90/05/01
9000143	F291	BR9265	317F	1	1480	90/05/01	90/05/01
9000143	F291	BR9266	317F	1	1482	90/05/01	90/05/01
9000143	F291	BR9267	317F	1	2217	90/05/01	90/05/01
9000143	F291	BR9268	317F	1	1484	90/05/01	90/05/01
9000143	F291	BR9269	317F	1	1472	90/05/01	90/05/01
9000143	F291	BR9270	317F	1	2064	90/05/01	90/05/01
9000143	F291	BR9271	317F	1	1476	90/05/01	90/05/01

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