8900109

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:

Wind/Wave Spectra (F191)

Acc:	8900109	Ref:	BR7781 - BR7800	20 sta. 239,668 rec.
Acc:	8900109	Ref:	BR7801 - BR7819	19 sta. 166,314 rec.
Acc:	8900109	Ref:	BR7820 - BR7865	46 sta. 83,608 rec.

489,590

NOAA-NDBC

(February 1989)

cc: Division Director

04/11/89

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:

Wind/Wave Spectra (F191)

Acc: 8900109 Ref: BR7781 - BR7800 20 sta. 239,668 rec.

Acc: 8900109 Ref: BR7801 - BR7819 19 sta. 166,314 rec.

Acc: 8900109 Ref: BR7820 - BR7865 46 sta. 83,608 rec.

NOAA-NDBC

(February 1989)

cc: Division Director

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8900109	BR7781	F191		313B	317F	32302	02/01/89	02/28/89	1	6,526
8900109	BR7782	F191		313B	317F	41001	02/01/89	02/28/89	1	7,912
8900109	BR7783	F191		313B	317F	41002	02/01/89	02/28/89	1	2,676
8900109	BR7784	F191		313B	317F	41006	02/01/89	02/28/89	1	7,970
8900109	BR7785	F191		313B	317F	41008	02/01/89	02/28/89	1	39,975
8900109	BR7786	F191		313B	317F	41009	02/01/89	02/28/89	1	13,110
8900109	BR7787	F191		313B	317F	41010	02/01/89	02/28/89	1	13,332
8900109	BR7788	F191		313B	317F	42001	02/01/89	02/28/89	1	2,224
8900109	BR7789	F191		313B	317F	42002	02/01/89	02/28/89	1	6,700
8900109	BR7790	F191		313B	317F	42003	02/01/89	02/28/89	1	6,666
8900109	BR7791	F191		313B	317F	42007	02/01/89	02/28/89	1	39,859
8900109	BR7792	F191		313B	317F	42015	02/01/89	02/28/89	1	38,876
8900109	BR7793	F191		313B	317F	44004	02/01/89	02/28/89	1	8,008
8900109	BR7794	F191		313B	317F	44005	02/01/89	02/28/89	1	8,020
8900109	BR7795	F191		313B	317F	44007	02/01/89	02/28/89	1	6,686
8900109	BR7796	F191		313B	317F	44008	02/01/89	02/28/89	1	6,650
8900109	BR7797	F191		313B	317F	44009	02/01/89	02/28/89	1	6,594
8900109	BR7798	F191		313B	317F	44011	02/01/89	02/28/89	1	7,994
8900109	BR7799	F191		313B	317F	44012	02/01/89	02/28/89	1	6,396
8900109	BR7800	F191		313B	317F	44013	02/04/89	02/28/89	1	3,494
8900109	BR7801	F191		313B	317F	45002	02/01/89	02/28/89	1	6,656
8900109	BR7802	F191		313B	317F	46001	02/01/89	02/28/89	1	8,012
8900109	BR7803	F191		313B	317F	46002	02/01/89	02/28/89	1	8,012
8900109	BR7804	F191		313B	317F	46005	02/01/89	02/28/89	1	8,054
8900109	BR7805	F191		313B	317F	46006	02/01/89	02/28/89	1	6,464
8900109	BR7806	F191		313B	317F	46010	02/01/89	02/28/89	1	6,572
8900109	BR7807	F191		313B	317F	46011	02/01/89	02/28/89	1	6,668
8900109	BR7808	F191		313B	317F	46012	02/01/89	02/28/89	1	6,672
8900109	BR7809	F191		313B	317F	46013	02/01/89	02/28/89	1	6,666
8900109	BR7810	F191		313B	317F	46014	02/01/89	02/28/89	1	6,604
8900109	BR7811	F191		313B	317F	46022	02/01/89	02/28/89	1	8,020
8900109	BR7812	F191		313B	317F	46023	02/01/89	02/28/89	1	6,650
8900109	BR7813	F191		313B	317F	46025	02/01/89	02/28/89	1	6,712
8900109	BR7814	F191		313B	317F	46026	02/01/89	02/28/89	1	6,676
8900109	BR7815	F191		313B	317F	46028	02/01/89	02/28/89	1	7,996
8900109	BR7816	F191		313B	317F	46030	02/01/89	02/28/89	1	6,668
8900109	BR7817	F191		313B	317F	46035	02/01/89	02/28/89	1	6,098
8900109	BR7818	F191		313B	317F	46040	02/01/89	02/28/89	1	6,600
8900109	BR7819	F191		313B	317F	46125	02/01/89	02/28/89	1	40,514
8900109	BR7820	F191		313B	317F	51001	02/01/89	02/28/89	1	2,678
8900109	BR7821	F191		313B	317F	51002	02/01/89	02/28/89	1	2,928
8900109	BR7822	F191		313B	317F	51003	02/01/89	02/28/89	1	3,926
8900109	BR7823	F191		313B	317F	51004	02/01/89	02/28/89	1	8,016
8900109	BR7824	F191		313B	317F	ALSN6	02/01/89	02/28/89	1	1,336
8900109	BR7825	F191		313B	317F	BURL1	02/01/89	02/28/89	1	1,344
8900109	BR7826	F191		313B	317F	BUZM3	02/01/89	02/28/89	1	1,338
8900109	BR7827	F191		313B	317F	CARO3	02/01/89	02/28/89	1	1,334
8900109	BR7828	F191		313B	317F	CHLV2	02/01/89	02/28/89	1	6,344
8900109	BR7829	F191		313B	317F	CLKN7	02/01/89	02/28/89	1	1,334
8900109	BR7830	F191		313B	317F	CSBF1	02/01/89	02/28/89	1	1,342
8900109	BR7831	F191		313B	317F	DBLN6	02/01/89	02/28/89	1	1,340

8900109	BR7832	F191	313B	317F	DESW1	02/01/89	02/28/89	1	1,308
[redacted]900109	BR7833	F191	313B	317F	DISW3	02/01/89	02/28/89	1	1,164
[redacted]00109	BR7834	F191	313B	317F	DPIA1	02/01/89	02/28/89	1	1,338
8900109	BR7835	F191	313B	317F	DSLN7	02/01/89	02/28/89	1	6,664
8900109	BR7836	F191	313B	317F	FARP2	02/01/89	02/28/89	1	1,344
8900109	BR7837	F191	313B	317F	FBIS1	02/01/89	02/28/89	1	1,340
8900109	BR7838	F191	313B	317F	FFIA2	02/01/89	02/28/89	1	1,342
8900109	BR7839	F191	313B	317F	FPSN7	02/01/89	02/28/89	1	1,338
8900109	BR7840	F191	313B	317F	GDIL1	02/01/89	02/28/89	1	1,338
8900109	BR7841	F191	313B	317F	GLLN6	02/01/89	02/28/89	1	1,322
8900109	BR7842	F191	313B	317F	IOSN3	02/01/89	02/28/89	1	1,338
8900109	BR7843	F191	313B	317F	LKWF1	02/01/89	02/28/89	1	1,338
8900109	BR7844	F191	313B	317F	MDRM1	02/01/89	02/28/89	1	1,340
8900109	BR7845	F191	313B	317F	MISM1	02/01/89	02/28/89	1	1,340
8900109	BR7846	F191	313B	317F	MLRF1	02/01/89	02/28/89	1	1,338
8900109	BR7847	F191	313B	317F	MPCL1	02/01/89	02/24/89	1	1,134
8900109	BR7848	F191	313B	317F	NWPO3	02/01/89	02/28/89	1	1,342
8900109	BR7849	F191	313B	317F	PILM4	02/01/89	02/28/89	1	1,344
8900109	BR7850	F191	313B	317F	PTAC1	02/01/89	02/28/89	1	1,338
8900109	BR7851	F191	313B	317F	PTAT2	02/01/89	02/28/89	1	1,332
8900109	BR7852	F191	313B	317F	PTGC1	02/01/89	02/28/89	1	1,342
8900109	BR7853	F191	313B	317F	SAUF1	02/01/89	02/28/89	1	1,336
8900109	BR7854	F191	313B	317F	SBIO1	02/01/89	02/28/89	1	1,342
8900109	BR7855	F191	313B	317F	SGNW3	02/01/89	02/28/89	1	1,338
8900109	BR7856	F191	313B	317F	SISW1	02/01/89	02/28/89	1	1,344
8900109	BR7857	F191	313B	317F	SMKF1	02/01/89	02/28/89	1	1,308
[redacted]900109	BR7858	F191	313B	317F	SPGF1	02/01/89	02/28/89	1	1,330
[redacted]00109	BR7859	F191	313B	317F	SRST2	02/01/89	02/28/89	1	1,326
8900109	BR7860	F191	313B	317F	STDM4	02/01/89	02/28/89	1	1,340
8900109	BR7861	F191	313B	317F	SVLS1	02/01/89	02/28/89	1	1,342
8900109	BR7862	F191	313B	317F	TPLM2	02/01/89	02/28/89	1	1,342
8900109	BR7863	F191	313B	317F	TTIW1	02/01/89	02/28/89	1	1,344
8900109	BR7864	F191	313B	317F	VENF1	02/01/89	02/28/89	1	1,326
8900109	BR7865	F191	313B	317F	WPOW1	02/01/89	02/28/89	1	1,306

ACCESSION NO. 8900109 FILETYPE F191 TRACK NO. BR7781-7800 PROJECT IDENTIFICATION

FEB 1989

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4-4-89	SJH	A00888 *	1	120	4080	239,666
DUPLICATE TAPE	4-6-89	FJM	W12480 *	1	120	4800	239,668
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

D191P

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* = NL

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8900109 FILETYPE F19 TRACK NO. _____ PROJECT IDENTIFICATION _____

BR7801-7819

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4-4-89	SJH	A00889 *	1	120	4080	166,328
DUPLICATE TAPE	4-7-89	FJM	W13581 *	1	120	4800	166,314
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. 8900109 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

FEB 1989 BR7820-7865

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4-4-89	SJH	A00890 *	1	120	4080	83,606
DUPLICATE TAPE	4-10-85	FJM	W13756 *	1	120	4800	83,608
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.)

COMMENTS TO BE USED AND FUNCTION TO BE PERFORMED

VAX 11/750 RUN PROC BRBUOY_53.

INPUT MEDIUM
PAPER CARD DISK (TAPE)
DISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM
CARD DISK (PRINT) (TAPE) PLOT
DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	~~A00888~~		9	1600	O	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	~~W12480~~		9	~~1600~~	O	NL	FB	120	4800	1
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

PLEASE ASSIGN "W" TAPE

ESTIMATED EXECUTION TIME

31 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
10441	04/06/89	09:00	12:00	C	COMPLETED BY J.S

COMMENTS

ACCESSION NO. 8900109 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

NDBC-MS FEB 89

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORD
ORIG. TAPE	4/4/89	LL	A00888 A00889 A00890	1 EA	120	4080	239,448 166,328 83,604
DUPLICATE TAPE							489,600
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.)

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

March 27, 1989

F1804-02
DB3:89-139
SPN:idm

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

Dear Sir:

Enclosed are the February 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

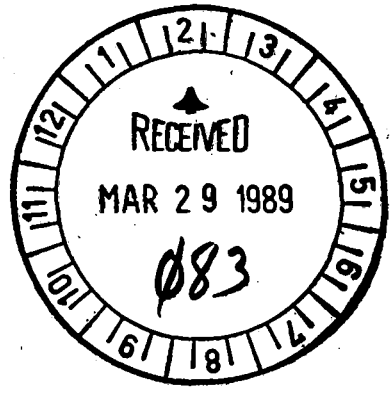
Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures

8900109
A00888-890



[illegible]	CTL-5643	SUBMITTED	

IPMENT TO BE USED AND FUNCTION TO BE PERFORMED

INPUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

PE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	[illegible]				SEL	NL	FT	160	[illegible]	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

B #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTE DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
5643-302	040389	12:40	12:45	C	COMPLETED by FL

MENTS

[illegible]	CSC-5643	SUBMITTED	

[illegible] TO BE USED AND FUNCTION TO BE PERFORMED

INPUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

B #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTE DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
0164 0311	040389	12:35	1237	C	COMPLETED by FL

MMENTS

M. LAJINSKI	673-5643		SUBMITTED		

JIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

PUT MEDIUM PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

PE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
							FC			
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

B #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
64	040389	1230	1235	C	COMPLETED by FC

MENTS

Attachment

Tape 1: 32302 02018900-02288923
41001 02018900-02288923
41002 02018900-02288923
41006 02018900-02288923
41008 02018900-02288923
41009 02018900-02288923
41010 02018900-02288923
42001 02018900-02288923
42002 02018900-02288923
42003 02018900-02288923
42007 02018900-02288923
42015 02018900-02288923
44004 02018900-02288923
44005 02018900-02288923
44007 02018900-02288923
44008 02018900-02288923
44009 02018900-02288923
44011 02018900-02288923
44012 02018900-02288923
44013 02048903-02288923

Tape 2: 45002 02018900-02288923
46001 02018900-02288923
46002 02018900-02288923
46005 02018900-02288923
46006 02018900-02288923
46010 02018900-02288923
46011 02018900-02288923
46012 02018900-02288923
46013 02018900-02288923
46014 02018900-02288923
46022 02018900-02288923
46023 02018900-02288923
46025 02018900-02288923
46026 02018900-02288923
46028 02018900-02288923
46030 02018900-02288923
46035 02018900-02288923
46040 02018900-02288923
46125 02018900-02288923

Tape 3: 51001 02018900-02288923
51002 02018900-02288923
51003 02018900-02288923
51004 02018900-02288923
ALSN6 02018900-02288923
BURL1 02018900-02288923
BUZM3 02018900-02288923
CARO3 02018900-02288923

CHLV2 02018900-02288923
CLKN7 02018900-02288923
CSBF1 02018900-02288923
DBLN6 02018900-02288923
DESW1 02018900-02288923
DISW3 02018900-02288923
DPIA1 02018900-02288923
DSLN7 02018900-02288923
FARP2 02018900-02288923
FBIS1 02018900-02288923
FFIA2 02018900-02288923
FPSN7 02018900-02288923
GDIL1 02018900-02288923
GLLN6 02018900-02288923
IOSN3 02018900-02288923
LKWF1 02018900-02288923
MDRM1 02018900-02288923
MISM1 02018900-02288923
MLRF1 02018900-02288923
MPCL1 02018900-02248916
NWPO3 02018900-02288923
PILM4 02018900-02288923
PTAC1 02018900-02288923
PTAT2 02018900-02288923
PTGC1 02018900-02288923
SAUF1 02018900-02288923
SBIO1 02018900-02288923
SGNW3 02018900-02288923
SISW1 02018900-02288923
SMKF1 02018900-02288923
SPGF1 02018900-02288923
SRST2 02018900-02288923
STDM4 02018900-02288923
SVLS1 02018900-02288923
TPLM2 02018900-02288923
TTIW1 02018900-02288923
VENF1 02018900-02288923
WPOW1 02018900-02288923

C. DATA FORMAT

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

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

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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 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
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 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
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	

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

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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.

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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
8900109	F291	BR7781	9999	313B	317F	1989/02/01	32302	183785
8900109	F291	BR7782	9999	313B	317F	1989/02/01	41001	183786
8900109	F291	BR7783	9999	313B	317F	1989/02/01	41002	183787
8900109	F291	BR7784	9999	313B	317F	1989/02/01	41006	183788
8900109	F291	BR7785	9999	313B	317F	1989/02/01	41008	183789
8900109	F291	BR7786	9999	313B	317F	1989/02/01	41009	183790
8900109	F291	BR7787	9999	313B	317F	1989/02/01	41010	183791
8900109	F291	BR7788	9999	313B	317F	1989/02/01	42001	183792
8900109	F291	BR7789	9999	313B	317F	1989/02/01	42002	183793
8900109	F291	BR7790	9999	313B	317F	1989/02/01	42003	183794
8900109	F291	BR7791	9999	313B	317F	1989/02/01	42007	183795
8900109	F291	BR7792	9999	313B	317F	1989/02/01	42015	183796
8900109	F291	BR7793	9999	313B	317F	1989/02/01	44004	183797
8900109	F291	BR7794	9999	313B	317F	1989/02/01	44005	183798
8900109	F291	BR7795	9999	313B	317F	1989/02/01	44007	183799
8900109	F291	BR7796	9999	313B	317F	1989/02/01	44008	183800
8900109	F291	BR7797	9999	313B	317F	1989/02/01	44009	183801
8900109	F291	BR7798	9999	313B	317F	1989/02/01	44011	183802
8900109	F291	BR7799	9999	313B	317F	1989/02/01	44012	183803
8900109	F291	BR7800	9999	313B	317F	1989/02/04	44013	183804
8900109	F291	BR7801	9999	313B	317F	1989/02/01	45002	183805
8900109	F291	BR7802	9999	313B	317F	1989/02/01	46001	183806
8900109	F291	BR7803	9999	313B	317F	1989/02/01	46002	183807
8900109	F291	BR7804	9999	313B	317F	1989/02/01	46005	183808
8900109	F291	BR7805	9999	313B	317F	1989/02/01	46006	183809
8900109	F291	BR7806	9999	313B	317F	1989/02/01	46010	183810
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(85 rows affected)

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