

03 16 1989

TO: E/OC12 - Branch Chief ←

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

SUBJECT: Data Transfer

8900012

The following listed data sets have been transferred as indicated:

Wind/Wave Spectra

(F191)

Acc: 8900012 Ref: BR7604 - BR7623 20 sta. 273,622 rec.

Acc: 8900012 Ref: BR7624 - BR7646 23 sta. 175,780 rec.

Acc: 8900012 Ref: BR7647 - BR7693 47 sta. 111,322 rec.

NOAA-NDBC

(December 1988)

cc: Division Director

03/03/89

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: 8900012	Ref: BR7604 - BR7623	20 sta. 273,622 rec.
Acc: 8900012	Ref: BR7624 - BR7646	23 sta. 175,780 ⁷⁴⁶ rec.
Acc: 8900012	Ref: BR7647 - BR7693	47 sta. <u>111,322</u> rec.
		560,690

NOAA-NDBC

(December 1988)

cc: Division Director

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8900012	BR7604	F191		313B	317F	32302	12/01/88	12/31/88	1	7,324
8900012	BR7605	F191		313B	317F	41001	12/01/88	12/31/88	1	8,864
8900012	BR7606	F191		313B	317F	41002	12/01/88	12/31/88	1	8,896
8900012	BR7607	F191		313B	317F	41006	12/01/88	12/31/88	1	8,852
8900012	BR7608	F191		313B	317F	41008	12/01/88	12/31/88	1	45,207
8900012	BR7609	F191		313B	317F	41009	12/01/88	12/31/88	1	14,554
8900012	BR7610	F191		313B	317F	41010	12/01/88	12/31/88	1	14,660
8900012	BR7611	F191		313B	317F	42001	12/01/88	12/31/88	1	7,412
8900012	BR7612	F191		313B	317F	42002	12/01/88	12/31/88	1	8,123
8900012	BR7613	F191		313B	317F	42003	12/01/88	12/31/88	1	7,354
8900012	BR7614	F191		313B	317F	42007	12/01/88	12/31/88	1	44,489
8900012	BR7615	F191		313B	317F	42015	12/14/88	12/31/88	1	24,542
8900012	BR7616	F191		313B	317F	42016	12/01/88	12/15/88	1	19,727
8900012	BR7617	F191		313B	317F	44004	12/01/88	12/31/88	1	8,864
8900012	BR7618	F191		313B	317F	44005	12/01/88	12/31/88	1	8,874
8900012	BR7619	F191		313B	317F	44007	12/01/88	12/31/88	1	7,284
8900012	BR7620	F191		313B	317F	44008	12/01/88	12/31/88	1	7,900
8900012	BR7621	F191		313B	317F	44011	12/01/88	12/31/88	1	8,856
8900012	BR7622	F191		313B	317F	44012	12/01/88	12/31/88	1	6,396
8900012	BR7623	F191		313B	317F	44013	12/07/88	12/31/88	1	5,444
8900012	BR7624	F191		313B	317F	45001	12/01/88	12/31/88	1	7,148
8900012	BR7625	F191		313B	317F	45007	12/01/88	12/06/88	1	1,212
8900012	BR7626	F191		313B	317F	46001	12/01/88	12/31/88	1	8,916
8900012	BR7627	F191		313B	317F	46002	12/01/88	12/31/88	1	8,874
8900012	BR7628	F191		313B	317F	46003	12/01/88	12/31/88	1	2,954
8900012	BR7629	F191		313B	317F	46005	12/14/88	12/31/88	1	4,740
8900012	BR7630	F191		313B	317F	46006	12/01/88	12/31/88	1	7,981
8900012	BR7631	F191		313B	317F	46010	12/01/88	12/31/88	1	5,002
8900012	BR7632	F191		313B	317F	46011	12/01/88	12/31/88	1	7,420
8900012	BR7633	F191		313B	317F	46012	12/01/88	12/31/88	1	7,420
8900012	BR7634	F191		313B	317F	46013	12/01/88	12/31/88	1	7,384
8900012	BR7635	F191		313B	317F	46017	12/01/88	12/12/88	1	148
8900012	BR7636	F191		313B	317F	46022	12/01/88	12/31/88	1	4,624
8900012	BR7637	F191		313B	317F	46023	12/01/88	12/31/88	1	7,298
8900012	BR7638	F191		313B	317F	46025	12/01/88	12/31/88	1	7,408
8900012	BR7639	F191		313B	317F	46026	12/01/88	12/31/88	1	7,366
8900012	BR7640	F191		313B	317F	46027	12/01/88	12/13/88	1	606
8900012	BR7641	F191		313B	317F	46028	12/01/88	12/31/88	1	4,244
8900012	BR7642	F191		313B	317F	46030	12/01/88	12/31/88	1	7,274
8900012	BR7643	F191		313B	317F	46035	12/01/88	12/31/88	1	6,798
8900012	BR7644	F191		313B	317F	46041	12/01/88	12/13/88	1	2,780
8900012	BR7645	F191		313B	317F	46042	12/01/88	12/31/88	1	43,092
8900012	BR7646	F191		313B	317F	46125	12/01/88	12/31/88	1	15,091
8900012	BR7647	F191		313B	317F	51001	12/01/88	12/31/88	1	8,916
8900012	BR7648	F191		313B	317F	51002	12/01/88	12/31/88	1	8,882
8900012	BR7649	F191		313B	317F	51003	12/01/88	12/31/88	1	8,880
8900012	BR7650	F191		313B	317F	51004	12/01/88	12/31/88	1	8,822
8900012	BR7651	F191		313B	317F	ALSN6	12/01/88	12/31/88	1	1,478
8900012	BR7652	F191		313B	317F	BURL1	12/01/88	12/31/88	1	1,484
8900012	BR7653	F191		313B	317F	BUZM3	12/01/88	12/31/88	1	1,480
8900012	BR7654	F191		313B	317F	CAR03	12/01/88	12/31/88	1	1,482

8900012	BR7655	F191	313B	317F	CHLV2	12/01/88	12/31/88	1	7,306
8900012	BR7656	F191	313B	317F	CLKN7	12/10/88	12/31/88	1	1,511
8900012	BR7657	F191	313B	317F	CSBF1	12/01/88	12/31/88	1	2,223
8900012	BR7658	F191	313B	317F	DBLN6	12/01/88	12/31/88	1	1,480
8900012	BR7659	F191	313B	317F	DESW1	12/01/88	12/31/88	1	1,480
8900012	BR7660	F191	313B	317F	DISW3	12/01/88	12/31/88	1	1,408
8900012	BR7661	F191	313B	317F	DPIA1	12/01/88	12/31/88	1	1,482
8900012	BR7662	F191	313B	317F	DSLNL7	12/01/88	12/31/88	1	7,364
8900012	BR7663	F191	313B	317F	FARP2	12/01/88	12/31/88	1	1,480
8900012	BR7664	F191	313B	317F	FBIS1	12/01/88	12/31/88	1	1,482
8900012	BR7665	F191	313B	317F	FFIA2	12/01/88	12/31/88	1	1,482
8900012	BR7666	F191	313B	317F	FPSN7	12/01/88	12/31/88	1	1,474
8900012	BR7667	F191	313B	317F	GDIL1	12/01/88	12/31/88	1	1,478
8900012	BR7668	F191	313B	317F	GLLN6	12/12/88	12/31/88	1	924
8900012	BR7669	F191	313B	317F	IOSN3	12/01/88	12/31/88	1	1,482
8900012	BR7670	F191	313B	317F	LKWF1	12/01/88	12/31/88	1	1,348
8900012	BR7671	F191	313B	317F	MDRM1	12/01/88	12/31/88	1	1,482
8900012	BR7672	F191	313B	317F	MISM1	12/01/88	12/31/88	1	1,478
8900012	BR7673	F191	313B	317F	MLRF1	12/01/88	12/31/88	1	1,474
8900012	BR7674	F191	313B	317F	MPCL1	12/01/88	12/31/88	1	1,474
8900012	BR7675	F191	313B	317F	NWPO3	12/01/88	12/31/88	1	1,482
8900012	BR7676	F191	313B	317F	PILM4	12/01/88	12/31/88	1	1,324
8900012	BR7677	F191	313B	317F	PTAC1	12/01/88	12/31/88	1	1,480
8900012	BR7678	F191	313B	317F	PTAT2	12/01/88	12/31/88	1	1,474
8900012	BR7679	F191	313B	317F	PTGC1	12/01/88	12/31/88	1	1,480
8900012	BR7680	F191	313B	317F	ROAM4	12/01/88	12/20/88	1	916
8900012	BR7681	F191	313B	317F	SAUF1	12/01/88	12/31/88	1	2,161
8900012	BR7682	F191	313B	317F	SBIO1	12/01/88	12/31/88	1	1,482
8900012	BR7683	F191	313B	317F	SGNW3	12/01/88	12/31/88	1	1,478
8900012	BR7684	F191	313B	317F	SISW1	12/01/88	12/31/88	1	1,478
8900012	BR7685	F191	313B	317F	SMKF1	12/01/88	12/31/88	1	1,456
8900012	BR7686	F191	313B	317F	SPGF1	12/01/88	12/31/88	1	1,286
8900012	BR7687	F191	313B	317F	SRST2	12/01/88	12/31/88	1	2,223
8900012	BR7688	F191	313B	317F	STDM4	12/01/88	12/31/88	1	1,470
8900012	BR7689	F191	313B	317F	SVLS1	12/01/88	12/31/88	1	1,484
8900012	BR7690	F191	313B	317F	TPLM2	12/01/88	12/31/88	1	1,482
8900012	BR7691	F191	313B	317F	TTIW1	12/01/88	12/31/88	1	1,480
8900012	BR7692	F191	313B	317F	VENF1	12/01/88	12/31/88	1	1,472
8900012	BR7693	F191	313B	317F	WPOW1	12/01/88	12/31/88	1	1,478

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ACCESSION NO. 8900012 FILETYPE F191

TRACK NO. BR7604-7623

PROJECT IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	1/27/89	S.J.H.	A00851 *	1	120	4080	273,622
DUPLICATE TAPE	2-2-89	F.J.M.	W12493 *	1	120	4800	273,622
REFORMATTED TAPE			12943				
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
F075 OR F022							
DATA SET FINALIZED							

273,622 records

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* = NO LABEL

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8900012

FILETYPE F191

TRACK NO. _____

PROJECT IDENTIFICATION _____

BR7624 - 2646

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	1/27/89	S.J.H.	A00852 *	1	120	4080	175,746
DUPLICATE TAPE	2/14/79	FJM	W13412 *	1	120	4800	↓
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

*175,780 records
BR7624.*

** = NO LABEL*

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8900012

FILETYPE F191

TRACK NO. BR 2647-7693

PROJECT IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	1/27/89	S.J.H.	A00853 *	1	120	4080	111,316
DUPLICATE TAPE	2/14/89	FJM	W09514	1	120	4800	111,322
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

Tape is marked out of area at NODC 03/22/89
 ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

111,322 records

D191P

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

8900012

January 23, 1989

F1804-02
DB3:89-0021
SPN: idm

A00851, A00852, A00853

Chief, Data Acquisition Management Branch
National Oceanographic Data Center
NOAA/NESDIS
1825 Connecticut, Ave. NW
Washington, DC. 20235

Dear Sir:

Enclosed are the December, 1988, 9TK, 1600 BPI, archive tapes, recorded in the 191 tape format. The enclosure contains a list of stations and the inclusive dates that are on each tape.

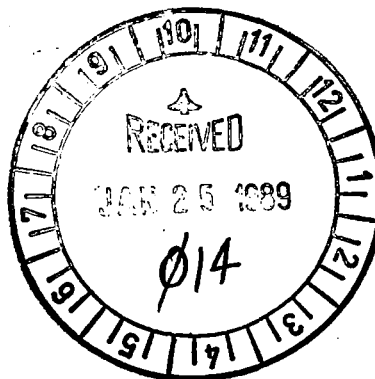
If you have any questions, please call B.G. Redmon at FTS 494-2834, or Commercial (601) 688-2834

Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures



Attachment

Tape 1: 32302 12018800-12318823 ✓
41001 12018800-12318823 ✓
41002 12018800-12318823 ✓
41006 12018800-12318823 ✓
41008 12018800-12318823 ✓
41009 12018800-12318823 ✓
41010 12018800-12318823 ✓
42001 12018800-12318823 ✓
42002 12018800-12318823 ✓
42003 12018800-12318823 ✓
42007 12018800-12318823 ✓
42015 12148820-12318823 ✓
42016 12018800-12158804 ✓
44004 12018800-12318823 ✓
44005 12018800-12318823 ✓
44007 12018800-12318823 ✓
44008 12018800-12318823 ✓
44011 12018800-12318823 ✓
44012 12018800-12318823 ✓
44013 12078815-12318823 ✓ 20

Tape 2: 45001 12018800-12318806
45007 12018800-12068802
46001 12018800-12318823
46002 12018800-12318823
46003 12018800-12318823
46005 12148820-12318823
46006 12018800-12318823
46010 12018800-12318823
46011 12018800-12318823
46012 12018800-12318823
46013 12018800-12318823
46017 12018800-12128803
46022 12018800-12318823
46023 12018800-12318823
46025 12018800-12318823
46026 12018800-12318823 ✓
46027 12018800-12138815
46028 12018800-12318823
46030 12018800-12318823
46035 12018800-12318823
46041 12018800-12138806
46042 12018800-12318823 ✓ 23
46125 12018800-12318823 ✓

Tape 3: 51001 12018800-12318823
51002 12018800-12318823
51003 12018800-12318823
51004 12018800-12318823

ALSN6 12018800-12318823
BURL1 12018800-12318823
BUZM3 12018800-12318823
CARO3 12018800-12318823
CHLV2 12018800-12318823
CLKN7 12108822-12318823-18
CSBF1 12018800-12318823
DBLN6 12018800-12318823
DESW1 12018800-12318823
DISW3 12018800-12318823
DPIA1 12018800-12318823
DSLN7 12018800-12318823
FARP2 12018800-12318823
FBIS1 12018800-12318823
FFIA2 12018800-12318823
FPSN7 12018800-12318823-20
GDIL1 12018800-12318823
GLLN6 12128814-12318823
IOSN3 12018800-12318823
LKWF1 12018800-12318823
MDRM1 12018800-12318823
MISM1 12018800-12318823
MLRF1 12018800-12318823
MPCL1 12018800-12318823
NWPO3 12018800-12318823
PILM4 12018800-12318823-30
PTAC1 12018800-12318823
PTAT2 12018800-12318823
PTGC1 12018800-12318823
ROAM4 12018800-12208807
SAUF1 12018800-12318823
SBI01 12018800-12318823
SGNW3 12018800-12318823
SISW1 12018800-12318823
SMKF1 12018800-12318823
SPGF1 12018800-12318823-40
SRST2 12018800-12318823
STDMA 12018800-12318823
SVLS1 12018800-12318823
TPLM2 12018800-12318823
TTIW1 12018800-12318823
VENF1 12018800-12318823
WPOW1 12018800-12318823-47

43
47
90

NAME: HALMINSKI
 PHONE # 673-5643
 DATE SUBMITTED: 1/26/89
 DATE TIME: []
 JOB # []

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

SCAN

F191

8900012

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 FILE	
INPUT	A00851		9	1600		NL	FB	120	4080	1	
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME				PURCH DATE
	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				PURCH DATE
OUTPUT	DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	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				PURCH DATE

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
890012603	01/27/89	10:25	10:35	C	COMPLETED BY JS

REMARKS

NAME: **HRLMINSKI** PHONE #: **673-5643** DATE SUBMITTED: **1/26/89** DATE DUE: LIR #:

APPARATUS TO BE USED AND FUNCTION TO BE PERFORMED

COPIES

F191

8900012

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 FILE
INPUT	A00852		9	1600		NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
	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			
OUTPUT	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			

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>89012602</i>	<i>01/27/89</i>	<i>10:40</i>	<i>10:50</i>	<i>C</i>	<i>COMPLETED BY J.S.</i>

REMARKS

NAME: **HRLMINSKI** PHONE # **673-5643** DATE SUBMITTED **1/26/89**

INSTRUMENT TO BE USED AND FUNCTION TO BE PERFORMED

SCAN

F191

8900012

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 FILE	
INPUT	A00553		9	1600		NL	FB	120	4080	1	
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURG DATE
	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				PURG DATE
OUTPUT	DISKETTE										
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURG DATE
	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				PURG DATE

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

731 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
89012601	01/27/89	10:55	11:00	C	COMPLETED BY J.S

REMARKS

C. DATA FORMAT

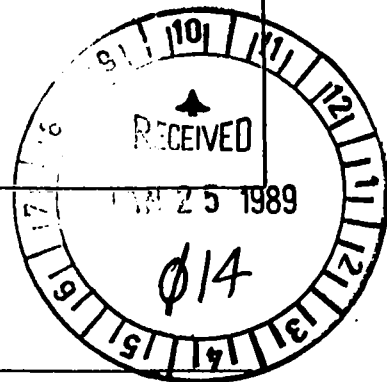
COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

**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

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">4080</p>
	<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p>

RECORD FORMAT DESCRIPTION

RECORD NAME

File Name: Meteorology and Wave Spectra (File Type "191")

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DESCRIPTIVE HEADER RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"1" (Descriptive header record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
LATITUDE	27	6	Bytes	3I2	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1	Byte	A1	"N" or "S" Hemisphere
LONGITUDE	34	7	Bytes	I3, 2I2	Degrees, Minutes, Seconds
LON. HEMISPHERE	41	1	Byte	A1	"E" OR "W" HEMISPHERE
BOTTOM DEPTH	42	5	Bytes	I5	Meters to tenths
MAGNETIC VARIATION	47	4	Bytes	I4	Whole degrees from true north (signed value)
BUOY HEADING*	51	3	Bytes	I3	Whole degrees from true north
WAVE SAMPLING RATE*	54	4	Bytes		I4Original measurements per minute to tenths
WAVE SAMPLING DURATION*	58	4	Bytes	I4	Minutes to hundredths
WAVE TOTAL INTERVALS*	62	3	Bytes	I3	Number of frequency intervals
CHIEF SCIENTIST	65	20	Bytes		A20(optional)
INSTITUTION	85	20	Bytes	A20	Data source
WIND SAMPLING DURATION	105	3	Bytes	I3	Minutes to tenths
COMMENTS *for buoy data only	108	13	Bytes		A13 RECORD LENGTH IS 120
ENVIRONMENTAL DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"2" (environmental data rec.)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
ALTITUDE	27	3	Bytes	I3	Meteorology alt., meters to tenths
AIR TEMP	30	4	Bytes	I4	Temperature, Celsius to tenths
DEW POINT	34	4	Bytes		I4Temperature, Celsius to tenths
BAROMETER	38	5	Bytes	I5	Millibars to tenths (reduced to sea level)
WIND SPEED	43	4	Bytes	I4	Meters/sec. to hundredths
WIND DIRECTION	47	4	Bytes	I4	From true north, degrees to tenths
WEATHER	51	1	Byte	I1	Current weather (WMO Code 4501)
VISIBILITY	52	3	Bytes	I3	Nautical miles, to tenths

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., Min, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
PRECIPITATION	55	4	Bytes	I4	Accumulation in millimeters
SOLAR RADIATION	59	3	Bytes	I3	Langleys/minute to hundredths wave length less than 3.6
SOLAR RADIATION	62	3	Bytes	I3	Langleys/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT *	65	3	Bytes	I3	Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD *	68	3	Bytes	I3	Seconds to tenths
DOMINANT WAVE DIRECTION *	71	3	Bytes	I3	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3	Bytes	I3	Meters to tenths, from refer- ence level
DEEPEST TROUGH SEA SURFACE	77	3	Bytes	I3	Meters to tenths, from refer- ence level
TEMPERATURE SEA SURFACE	80	4	Bytes	I4	Temperature Celsius to hundredths
SALINITY	84	5	Bytes	I5	Parts per thousand to thousandths
CONDUCTIVITY	89	5	Bytes	I5	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD	94	3	Bytes	I3	Seconds to tenths
MAXIMUM WAVE HEIGHT	97	3	Bytes	I3	Meters to tenths
MAXIMUM WAVE STEEPNESS	100	3	Bytes	I3	To be defined
WIND GUST	103	4	Bytes	I4	Meters/sec. to hundredths
WIND GUST (avg. pd.) AVERAGING PERIOD	107	2	Bytes	I2	Seconds
WIND GUST	109	4	Bytes	I4	Meters/sec. to hundredths
WIND GUST	113	2	Bytes	I2	Seconds
WIND SPEED (58 min. average)	115	3	Bytes	I3	Meters/sec. to tenths whole degrees
WIND DIRECTION (58 min. average)	118	3	Bytes	I3	Whole degrees
* Significant wave height, average wave period, and dominant wave period are set to zero when significant wave height is less than 0.15 meters.					
WAVE SPECTRA DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191 (constant)
FILE DATE	4	6	Bytes	3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1	Byte	A1	"3" (Wave Spectra Data Record)
STATION	11	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		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
WAVE SPECTRA DATA RECORD (cont'd)					
DIRECTION	30	4	Bytes	I4	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record
COUNT	34	1	Byte	I1	Number of frequencies on this record
DATA	35	70	Bytes	5(2I4,I6)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35,49,63 77,91	4	Bytes	I4	Center frequency of interval in Hertz to thousandths
Resolution	39,53,67 81,95	4	Bytes	I4	Resolution of interval in Hertz to ten-thousandths
Density	43,57,71 85,99	6	Bytes	I6	Spectral Density of interval in m ² /Hz to thousandths
BLANKS	105	16	Bytes	16X	Fill the fixed length record
SUBSURFACE TEMPERATURE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"4" (Subsurface Temperature Data Record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
DATA	27	90	Bytes	10(I5,I4)	Up to 10 Depth and temperature fields
Depth	27,36,45 54,63,72 81,90,99 108	5	Bytes	I5	Obs. level, meters to tenths
Temperature	32,41,50 59,68,77 86,95,104 113	4	Bytes	I4	Degrees Celsius to hundredths (include Sea Surface temperature)
BLANKS	117	4	Bytes	4X	Fill the fixed length record
SUBSURFACE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"5" (Subsurface Data Record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
SUBSURFACE DATA RECORD (cont'd)					
DATA	27	90	Bytes	3(15,15,15,15,15,15)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27,57,87	5	Bytes	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		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
CO AND QUAD SPECTRA FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	I3	Always "191"
FILE DATE	4	6	Bytes	3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1	Byte	A1	Always "6"
STATION NUMBER	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, minutes (GMT)
FREQUENCY	27	4	Bytes	I4	Center frequency of interval in Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	I5	Spectral resolution of this frequency band in Hz to ten thousandths
CO-SPECTRA C ₁₁	36	6	Bytes	Signed Integers I6	Up to 9 <u>uncorrected</u> values of Co and Quad spectra in meters squared/Hz. The order these spectra are presented is: C ₁₁ , C ₂₂ , C ₃₃ , C ₁₂ , Q ₁₂ , C ₁₃ , Q ₁₃ , C ₂₃ , and Q ₂₃
EXPONENT	42	2	Bytes	I2	Where subscripts are defined as follows:
CO-SPECTRA C ₂₂	44	6	Bytes	I6	1. Heave
EXPONENT	50	2	Bytes	I2	2. E-W Slope
CO-SPECTRA C ₃₃	52	6	Bytes	I6	3. N-S Slope
EXPONENT	58	2	Bytes	I2	
CO-SPECTRA C ₁₂	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
QUAD-SPECTRA Q ₁₂	68	6	Bytes	I6	If the exponent is less than -9 the exponent and its associated spectra should be zero
EXPONENT	74	2	Bytes	I2	
CO-SPECTRA C ₁₃	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
QUAD-SPECTRA Q ₁₃	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
CO-SPECTRA C ₂₃	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
QUAD-SPECTRA Q ₂₃	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
C ₂₂ - C ₃₃	108	6	Bytes	I6	
EXPONENT	114	2	Bytes	I2	
BLANKS	116	5	Bytes	5x	

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

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

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DIRECTIONAL WAVE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (Constant)
FILE DATE	4	6	Bytes	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
<p>NOTE: DIRECTIONAL WAVE SPECTRA = S(F,A)*D(F,A), in which F = FREQ(HZ), A = Azimuth Angle measured clockwise from North to direction wave is from. D(F,A) = (1/PI)*((1/2)+R1*COS(A-A1)+R2*COS(2*(A-A2))), in which R1 and R2 are dimensionless and A1 and A2 are respectively mean and principal wave directions. In terms of Longuet-Higgins Fourier Coefficients, R1 = (SQRT(A1*A1+B1*B1))/A0, R2 = (SQRT(A2*A2+B2*B2))/A0, A1 = ARCTAN(B1,A1), A2 = (1/2)ARCTAN(B2,A2) + 0 or PI. C11S(M*W/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.</p>					

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

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

File Type RECORD FORMAT DESCRIPTION

RECORD NAME _____

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

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8900012	F291	BR7604	9999	313B	317F	1988/12/01	32302	182459
8900012	F291	BR7605	9999	313B	317F	1988/12/01	41001	182460
8900012	F291	BR7606	9999	313B	317F	1988/12/01	41002	182461
8900012	F291	BR7607	9999	313B	317F	1988/12/01	41006	182462
8900012	F291	BR7608	9999	313B	317F	1988/12/01	41008	182463
8900012	F291	BR7609	9999	313B	317F	1988/12/01	41009	182464
8900012	F291	BR7610	9999	313B	317F	1988/12/01	41010	182465
8900012	F291	BR7611	9999	313B	317F	1988/12/01	42001	182466
8900012	F291	BR7612	9999	313B	317F	1988/12/01	42002	182467
8900012	F291	BR7613	9999	313B	317F	1988/12/01	42003	182468
8900012	F291	BR7614	9999	313B	317F	1988/12/01	42007	182469
8900012	F291	BR7615	9999	313B	317F	1988/12/14	42015	182470
8900012	F291	BR7616	9999	313B	317F	1988/12/01	42016	182471
8900012	F291	BR7617	9999	313B	317F	1988/12/01	44004	182472
8900012	F291	BR7618	9999	313B	317F	1988/12/01	44005	182473
8900012	F291	BR7619	9999	313B	317F	1988/12/01	44007	182474
8900012	F291	BR7620	9999	313B	317F	1988/12/01	44008	182475
8900012	F291	BR7621	9999	313B	317F	1988/12/01	44011	182476
8900012	F291	BR7622	9999	313B	317F	1988/12/01	44012	182477
8900012	F291	BR7623	9999	313B	317F	1988/12/07	44013	182478
8900012	F291	BR7624	9999	313B	317F	1988/12/01	45001	182479
8900012	F291	BR7625	9999	313B	317F	1988/12/01	45007	182480
8900012	F291	BR7626	9999	313B	317F	1988/12/01	46001	182481
8900012	F291	BR7627	9999	313B	317F	1988/12/01	46002	182482
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