

TO: E/OC12 - Branch Chief
E/OC11 - P. Hadsell
FROM: E/OC13 - A. Picciolo
DATE: November 17, 1988
SUBJECT: Data Transfer

8800285

The following listed data sets have been transferred as indicated:

ARCHIVE AND INVENTORIES BRANCH (OC11

----- Level II -----

Wind/Wave Spectra (F191)

Acc: 8800285 Ref: BR7315 - 7410 96 sta. 594,378 records

NOAA-NDBC

September 1988

cc: Division Director

TO: E/OC12 - Branch Chief
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NOAA-NDBC

September 1988

cc: Division Director

PROCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800285	BR7315	F191		313B	317F	32302	09/01/88	09/30/88	1	6,920
8800285	BR7316	F191		313B	317F	41001	09/01/88	09/30/88	1	8,608
8800285	BR7317	F191		313B	317F	41006	09/01/88	09/30/88	1	8,524
8800285	BR7318	F191		313B	317F	41008	09/01/88	09/30/88	1	43,501
8800285	BR7319	F191		313B	317F	41009	09/01/88	09/30/88	1	14,236
8800285	BR7320	F191		313B	317F	42001	09/01/88	09/30/88	1	7,142
8800285	BR7321	F191		313B	317F	42002	09/01/88	09/30/88	1	7,164
8800285	BR7322	F191		313B	317F	42003	09/01/88	09/30/88	1	7,092
8800285	BR7323	F191		313B	317F	42007	09/01/88	09/30/88	1	43,377
8800285	BR7324	F191		313B	317F	42015	09/01/88	09/08/88	1	11,285
8800285	BR7325	F191		313B	317F	42016	09/01/88	09/30/88	1	43,623
8800285	BR7326	F191		313B	317F	44004	09/01/88	09/30/88	1	8,586
8800285	BR7327	F191		313B	317F	44005	09/01/88	09/30/88	1	8,598
8800285	BR7328	F191		313B	317F	44007	09/01/88	09/30/88	1	7,164
8800285	BR7329	F191		313B	317F	44008	09/01/88	09/30/88	1	6,830
8800285	BR7330	F191		313B	317F	44009	09/01/88	09/30/88	1	7,092
8800285	BR7331	F191		313B	317F	44011	09/01/88	09/30/88	1	8,586
8800285	BR7332	F191		313B	317F	44012	09/07/88	09/30/88	1	5,234
8800285	BR7333	F191		313B	317F	44013	09/01/88	09/30/88	1	7,120
8800285	BR7334	F191		313B	317F	45001	09/01/88	09/30/88	1	7,142
8800285	BR7335	F191		313B	317F	45002	09/01/88	09/30/88	1	7,134
8800285	BR7336	F191		313B	317F	45003	09/01/88	09/30/88	1	7,070
8800285	BR7337	F191		313B	317F	45004	09/01/88	09/30/88	1	7,154
8800285	BR7338	F191		313B	317F	45005	09/01/88	09/30/88	1	7,000
8800285	BR7339	F191		313B	317F	45006	09/01/88	09/30/88	1	7,144
8800285	BR7340	F191		313B	317F	45007	09/01/88	09/30/88	1	7,062
8800285	BR7341	F191		313B	317F	45008	09/01/88	09/30/88	1	7,108
8800285	BR7342	F191		313B	317F	46001	09/01/88	09/30/88	1	8,412
8800285	BR7343	F191		313B	317F	46003	09/01/88	09/30/88	1	8,616
8800285	BR7344	F191		313B	317F	46005	09/01/88	09/30/88	1	3,024
8800285	BR7345	F191		313B	317F	46006	09/01/88	09/30/88	1	7,815
8800285	BR7346	F191		313B	317F	46010	09/27/88	09/30/88	1	928
8800285	BR7347	F191		313B	317F	46011	09/01/88	09/30/88	1	7,154
8800285	BR7348	F191		313B	317F	46012	09/01/88	09/30/88	1	7,160
8800285	BR7349	F191		313B	317F	46013	09/01/88	09/30/88	1	7,070
8800285	BR7350	F191		313B	317F	46014	09/01/88	09/30/88	1	6,500
8800285	BR7351	F191		313B	317F	46017	09/01/88	09/30/88	1	474
8800285	BR7352	F191		313B	317F	46022	09/01/88	09/25/88	1	7,098
8800285	BR7353	F191		313B	317F	46023	09/01/88	09/30/88	1	7,114
8800285	BR7354	F191		313B	317F	46025	09/01/88	09/30/88	1	7,162
8800285	BR7355	F191		313B	317F	46026	09/01/88	09/14/88	1	3,282
8800285	BR7356	F191		313B	317F	46027	09/01/88	09/30/88	1	5,582
8800285	BR7357	F191		313B	317F	46028	09/01/88	09/30/88	1	8,354
8800285	BR7358	F191		313B	317F	46030	09/01/88	09/30/88	1	7,148
8800285	BR7359	F191		313B	317F	46035	09/01/88	09/30/88	1	7,142
8800285	BR7360	F191		313B	317F	46039	09/01/88	09/30/88	1	1,422
8800285	BR7361	F191		313B	317F	46040	09/01/88	09/30/88	1	7,128
8800285	BR7362	F191		313B	317F	46041	09/01/88	09/30/88	1	7,162
8800285	BR7363	F191		313B	317F	46042	09/01/88	09/30/88	1	42,041
8800285	BR7364	F191		313B	317F	46125	09/01/88	09/30/88	1	14,994
8800285	BR7365	F191		313B	317F	51001	09/01/88	09/30/88	1	8,598

8800285	BR7366	F191	313B	317F	51002	09/22/88	09/30/88	1	2,472
8800285	BR7367	F191	313B	317F	51003	09/01/88	09/30/88	1	8,506
700285	BR7368	F191	313B	317F	51004	09/01/88	09/30/88	1	8,438
700285	BR7369	F191	313B	317F	ALSN6	09/01/88	09/30/88	1	1,432
8800285	BR7370	F191	313B	317F	BURL1	09/01/88	09/30/88	1	1,434
8800285	BR7371	F191	313B	317F	BUZM3	09/01/88	09/30/88	1	1,434
8800285	BR7372	F191	313B	317F	CAR03	09/01/88	09/30/88	1	1,436
8800285	BR7373	F191	313B	317F	CHLV2	09/01/88	09/30/88	1	6,724
8800285	BR7374	F191	313B	317F	CLKN7	09/01/88	09/30/88	1	1,434
8800285	BR7375	F191	313B	317F	CSBF1	09/01/88	09/30/88	1	2,153
8800285	BR7376	F191	313B	317F	DBLN6	09/01/88	09/30/88	1	1,434
8800285	BR7377	F191	313B	317F	DESW1	09/01/88	09/30/88	1	1,380
8800285	BR7378	F191	313B	317F	DISW9	09/01/88	09/30/88	1	1,434
8800285	BR7379	F191	313B	317F	DPIA1	09/01/88	09/30/88	1	1,388
8800285	BR7380	F191	313B	317F	DSLN7	09/01/88	09/30/88	1	1,434
8800285	BR7381	F191	313B	317F	FBIS1	09/01/88	09/30/88	1	1,438
8800285	BR7382	F191	313B	317F	FFIA2	09/01/88	09/30/88	1	1,436
8800285	BR7383	F191	313B	317F	FPSN7	09/01/88	09/30/88	1	1,436
8800285	BR7384	F191	313B	317F	GDIL1	09/01/88	09/30/88	1	1,436
8800285	BR7385	F191	313B	317F	GLLN6	09/01/88	09/30/88	1	1,424
8800285	BR7386	F191	313B	317F	IOSN3	09/01/88	09/30/88	1	1,432
8800285	BR7387	F191	313B	317F	LKWF1	09/01/88	09/30/88	1	1,422
8800285	BR7388	F191	313B	317F	MDRM1	09/01/88	09/30/88	1	1,420
8800285	BR7389	F191	313B	317F	MISM1	09/01/88	09/30/88	1	1,430
8800285	BR7390	F191	313B	317F	MLRF1	09/01/88	09/30/88	1	1,432
8800285	BR7391	F191	313B	317F	MPCL1	09/01/88	09/30/88	1	1,420
8800285	BR7392	F191	313B	317F	NWPO3	09/01/88	09/30/88	1	1,436
700285	BR7393	F191	313B	317F	PILM4	09/01/88	09/26/88	1	1,010
700285	BR7394	F191	313B	317F	PTAC1	09/01/88	09/30/88	1	1,436
8800285	BR7395	F191	313B	317F	PTAT2	09/01/88	09/30/88	1	1,430
8800285	BR7396	F191	313B	317F	PTGC1	09/01/88	09/30/88	1	1,434
8800285	BR7397	F191	313B	317F	ROAM4	09/01/88	09/28/88	1	1,302
8800285	BR7398	F191	313B	317F	SAUF1	09/01/88	09/30/88	1	2,151
8800285	BR7399	F191	313B	317F	SBIO1	09/01/88	09/30/88	1	1,434
8800285	BR7400	F191	313B	317F	SGNW3	09/01/88	09/30/88	1	1,432
8800285	BR7401	F191	313B	317F	SISW1	09/01/88	09/30/88	1	1,434
8800285	BR7402	F191	313B	317F	SMKF1	09/01/88	09/30/88	1	1,408
8800285	BR7403	F191	313B	317F	SPGF1	09/01/88	09/30/88	1	1,416
8800285	BR7404	F191	313B	317F	SRST2	09/01/88	09/30/88	1	1,434
8800285	BR7405	F191	313B	317F	STDM4	09/01/88	09/30/88	1	1,430
8800285	BR7406	F191	313B	317F	SVLS1	09/01/88	09/30/88	1	1,420
8800285	BR7407	F191	313B	317F	TPLM2	09/01/88	09/30/88	1	1,438
8800285	BR7408	F191	313B	317F	TTIW1	09/01/88	09/30/88	1	1,434
8800285	BR7409	F191	313B	317F	VENF1	09/01/88	09/30/88	1	1,432
8800285	BR7410	F191	313B	317F	WPOW1	09/01/88	09/30/88	1	1,434

=====

ACCESSION NO. 8800285

FILETYPE F191

BR7315-7338
TRACK NO. _____

PROJECT IDENTIFICATION _____

~~BR7315~~

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	11-1-88	SJH	A00825	1	120	4080	
DUPLICATE TAPE	11-7-88	F)M	W08555 *	1	120	4800	296,182
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* = NL, 1600 b.p.i. 296,182 records

BR7315,

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8800285

FILETYPE F191

TRACK NO. BR7339-7368

PROJECT IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	11-1-88	SJH	A00826	1	120	4080	
DUPLICATE TAPE	11-15-88	FJM	W08656 *	1	120	4800	232,108
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* = NL, 1600 b.p.l. ^{232,108 records}

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8800285

FILETYPE F191

TRACK NO. BR7369-7410

PROJECT IDENTIFICATION _____

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	11-1-88	SJH	A00827	1	120	4080	
DUPLICATE TAPE	11-16-88	FJM	W08963 *	1	120	4800	66,188
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

66,188 records

** = NL, 1600 bpl.*

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

October 26, 1988

F1804-02
DB3:88-0530
SPN:1dm

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

Dear Sir:

Enclosed are the September 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,

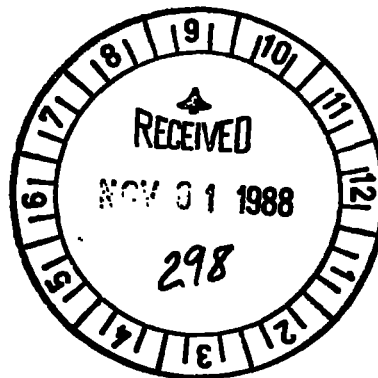
Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures

8800285

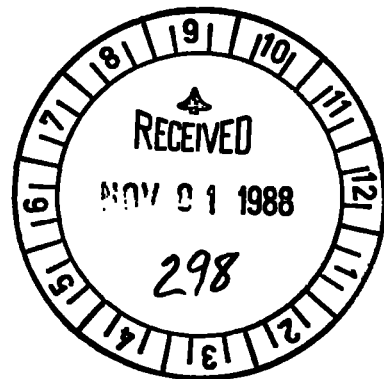
A00825
A00826
A00827



Attachment

Tape 1: 32302 09018800-09308823
41001 09018800-09308823
41006 09018800-09308823
41088 09018800-09308823
41089 09018800-09308823
42001 09018800-09308823
42002 09018800-09308823
42003 09018800-09308823
42007 09018800-09308823
10 - 42015 09018800-09088816
42016 09018800-09308823
44004 09018800-09308823
44005 09018800-09308823
44007 09018800-09308823
44008 09018800-09308823
44009 09018800-09308823
44011 09018800-09308823
44012 09078817-09308823
44013 09018800-09308823
20 - 45001 09018800-09308823
45002 09018800-09308823
45003 09018800-09308823
45004 09018800-09308823
24 45005 09018800-09308823

Tape 2: 45006 09018800-09308823
45007 09018800-09308823
45008 09018800-09308823
46001 09018800-09308823
46003 09018800-09308823
46005 09018800-09308823
46006 09018800-09308823
46010 09278800-09308823
46011 09018800-09308823
46012 09018800-09308823
46013 09018800-09308823
46014 09018800-09308815
46017 09018800-09308823
46022 09018800-09258820
46023 09018800-09308823
46025 09018800-09308823
46026 09018800-09148817
46027 09018800-09308823
46028 09018800-09308823
46030 09018800-09308823
46035 09018800-09308823
46039 09018800-09308823
46040 09018800-09308823



46041 09018800-09308823
46042 09018800-09308823
46125 09018800-09308823
51001 09018800-09308823
51002 09228804-09308823
51003 09018800-09308823
51004 09018800-09308823

30-

BR7369-BR7410

Tape 3: ALSN6 09018800-09308823 BR7369
BURL1 09018800-09308823 7370
BUZM3 09018800-09308823
CARO3 09018800-09308823
CHLV2 09018800-09308823
CLKN7 09018800-09308823
CSBF1 09018800-09308823
DBLN6 09018800-09308823
DESW1 09018800-09308823
10 - DISW3 09018800-09308823
DPIA1 09018800-09308823
DSLN7 09018800-09308823 BR7380
FBIS1 09018800-09308823
FFIA2 09018800-09308823
FPSN7 09018800-09308823
GDIL1 09018800-09308823
GLLN6 09018800-09308823
IOSN3 09018800-09308823
LKWF1 09018800-09308823
20 - MDRM1 09018800-09308823
MISM1 09018800-09308823
MLRF1 09018800-09308823 BR7390
MPCL1 09018800-09308823
NWPO3 09018800-09308823
PILM4 09018800-09268816
PTAC1 09018800-09308823
PTAT2 09018800-09308823
PTGC1 09018800-09308823
RGAM4 09018800-09288806
30 - SAUF1 09018800-09308823 BR7398
SBI01 09018800-09308823
SGNW3 09018800-09308823 BR7400
SISW1 09018800-09308823
SMKF1 09018800-09308823
SPGF1 09018800-09308823
SRST2 09018800-09308823
STDM4 09018800-09308823
SVLS1 09018800-09308823
TPLM2 09018800-09308823
40 - TTIW1 09018800-09308823
VENF1 09018800-09308823
42 - WPOW1 09018800-09308823 BR7410

OPERATOR NAME: **HALMINSKI** PHONE #: **673-5643** ORG/TASK # DATE SUBMITTED: **11/1/88** DATE DUE BIR #

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

SCAN

8800285 Easy

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 FIL	
INPUT	A00825		9	1600	ODD	NL	FB	120	4080	1	
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME				PUR DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PUR DATE
OUTPUT	DISKETTE										
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCC SDF OTHER(SPECIFY)				DATA SET NAME				PUR DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FI	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCC SDF OTHER(SPECIFY)				DATA SET NAME				PUR 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
<i>88110105</i>	<i>11/01/88</i>	<i>13:40</i>	<i>13:45</i>	<i>C</i>	<i>COMPLETED BY J.S</i>

REMARKS

OPERATOR NAME HALMINSKI	PHONE # 673-5643	ORG/TASK #	DATE SUBMITTED 11/1/88	DATE DUE	BIN #
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

SCAN

8800285 Tevey

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

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	8800285		9	1600	ODD	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			
INPUT	DISKETTE									
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
INPUT	DISKETTE									
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

31 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>88110103</i>	11/01/88	13:50	14:00	C	COMPLETED BY J.S.

REMARKS

OPER NAME HALMINSKI	PHONE # 673-5643	JOB/TASK #	DATE SUBMITTED	DATE DUE	BIR #
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

SCAN

3300375 Evey

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

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
	A00827		9	1600	ODD	NL	FB	120	4080	1	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME				PURCH DATE
INPUT	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
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
INPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURCH DATE

SPECIAL INSTRUCTIONS

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
<i>88110103</i>	<i>11/01/88</i>	<i>14:05</i>	<i>14:15</i>	<i>C</i>	<i>COMPLETED BY JS</i>

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</p> <p><input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><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</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><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</p> <p><input type="checkbox"/> 336 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p align="center">4080</p>
<p>13. LENGTH OF BYTES IN BITS</p> <p align="center">8</p>	<p>13. LENGTH OF BYTES IN BITS</p> <p 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 <small>(e.g., 50a, bytes)</small>	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		2I2Hours, Minutes (GMT)
ALTITUDE	27	3	Bytes	I3	Meteorology alt., meters to tenths
AIR TEMP	30	4	Bytes	I4	Temperature, Celsius to tenths
DEW POINT	34	4	Bytes		I4Temperature, Celsius to tenths
BAROMETER	38	5	Bytes	I5	Millibars to tenths (reduced to sea level)
WIND SPEED	43	4	Bytes	I4	Meters/sec. to hundredths
WIND DIRECTION	47	4	Bytes	I4	From true north, degrees to tenths
WEATHER	51	1	Byte	I1	Current weather (WMO Code 4501)
VISIBILITY	52	3	Bytes	I3	Nautical miles, to tenths

RECORD FORMAT DESCRIPTION

RECORD NAME **File Type "191"**

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., Min, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
PRECIPITATION	55	4	Bytes	I4	Accumulation in millimeters
SOLAR RADIATION	59	3	Bytes	I3	Langleys/minute to hundredths wave length less than 3.6
SOLAR RADIATION	62	3	Bytes	I3	Langleys/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT	65	3	Bytes	I3	Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD	68	3	Bytes	I3	Seconds to tenths
DOMINANT WAVE DIRECTION	71	3	Bytes	I3	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3	Bytes	I3	Meters to tenths, from reference level
DEEPEST TROUGH SEA SURFACE	77	3	Bytes	I3	Meters to tenths, from reference level
TEMPERATURE SEA SURFACE	80	4	Bytes	I4	Temperature Celsius to hundredths
SALINITY	84	5	Bytes	I5	Parts per thousand to thousandths
CONDUCTIVITY	89	5	Bytes	I5	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD	94	3	Bytes	I3	Seconds to tenths
MAXIMUM WAVE HEIGHT	97	3	Bytes	I3	Meters to tenths
MAXIMUM WAVE STEEPNESS	100	3	Bytes	I3	To be defined
WIND GUST	103	4	Bytes	I4	Meters/sec. to hundredths
WIND GUST (avg. pd.) AVERAGING PERIOD	107	2	Bytes	I2	Seconds
WIND GUST	109	4	Bytes	I4	Meters/sec. to hundredths
WIND GUST	113	2	Bytes	I2	Seconds
WIND SPEED (58 min. average)	115	3	Bytes	I3	Meters/sec. to tenths whole degrees
WIND DIRECTION (58 min. average)	118	3	Bytes	I3	Whole degrees
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
DIRECTION	30	4	Bytes	I4	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record

RECORD FORMAT DESCRIPTION

File Type "191"

RECORD NAME _____

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)					
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)
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

RECORD FORMAT DESCRIPTION

File Type "191"

RECORD NAME

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN <small>(e.g., Mb, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
SUBSURFACE DATA RECORD (cont'd)					
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., Min, 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

File Type "191"

RECORD NAME

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 ¹²⁶ RECORD FORMAT DESCRIPTION

RECORD NAME _____

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 (Cont'd)					
<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
8800285	F291	BR7315	9999	313B	317F	1988/09/01	32302	181687
8800285	F291	BR7316	9999	313B	317F	1988/09/01	41001	181688
8800285	F291	BR7317	9999	313B	317F	1988/09/01	41006	181689
8800285	F291	BR7318	9999	313B	317F	1988/09/01	41008	181690
8800285	F291	BR7319	9999	313B	317F	1988/09/01	41009	181691
8800285	F291	BR7320	9999	313B	317F	1988/09/01	42001	181692
8800285	F291	BR7321	9999	313B	317F	1988/09/01	42002	181693
8800285	F291	BR7322	9999	313B	317F	1988/09/01	42003	181694
8800285	F291	BR7323	9999	313B	317F	1988/09/01	42007	181695
8800285	F291	BR7324	9999	313B	317F	1988/09/01	42015	181696
8800285	F291	BR7325	9999	313B	317F	1988/09/01	42016	181697
8800285	F291	BR7326	9999	313B	317F	1988/09/01	44004	181698
8800285	F291	BR7327	9999	313B	317F	1988/09/01	44005	181699
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