

8900131

05/05/89

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:

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Wind/Wave Spectra (F191)

Acc: 8900131 Ref: BR7866 - BR7885 20 sta. 294,<sup>092</sup>~~132~~ rec.

Acc: 8900131 Ref: BR7886 - BR7907 22 sta. 148,662 rec.

Acc: 8900131 Ref: BR7908 - BR7956 49 sta. 158,820 rec.

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601,574

NOAA-NDBC

(March 1989)

cc: Division Director

05/05/89

TO: E/OC12 - Branch Chief

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

SUBJECT: Data Transfer

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Acc: 8900131 Ref: BR7866 - BR7885 20 sta. 294,132 rec.

Acc: 8900131 Ref: BR7886 - BR7907 22 sta. 148,662 rec.

Acc: 8900131 Ref: BR7908 - BR7956 49 sta. 158,820 rec.

NOAA-NDBC

(March 1989)

cc: Division Director,

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8900131	BR7866	F191		313B	317F	32302	03/01/89	03/31/89	1	7,052
8900131	BR7867	F191		313B	317F	41001	03/01/89	03/31/89	1	8,744
8900131	BR7868	F191		313B	317F	41002	03/01/89	03/31/89	1	2,894
8900131	BR7869	F191		313B	317F	41006	03/01/89	03/31/89	1	8,828
8900131	BR7870	F191		313B	317F	41008	03/01/89	03/31/89	1	44,546
8900131	BR7871	F191		313B	317F	41009	03/01/89	03/31/89	1	14,500
8900131	BR7872	F191		313B	317F	41010	03/01/89	03/31/89	1	14,620
8900131	BR7873	F191		313B	317F	42001	03/01/89	03/14/89	1	1,042
8900131	BR7874	F191		313B	317F	42002	03/01/89	03/31/89	1	7,314
8900131	BR7875	F191		313B	317F	42003	03/01/89	03/31/89	1	7,250
8900131	BR7876	F191		313B	317F	42007	03/01/89	03/31/89	1	44,078
8900131	BR7877	F191		313B	317F	42015	03/01/89	03/31/89	1	44,318
8900131	BR7878	F191		313B	317F	42016	03/01/89	03/31/89	1	40,310
8900131	BR7879	F191		313B	317F	44004	03/01/89	03/31/89	1	8,810
8900131	BR7880	F191		313B	317F	44005	03/01/89	03/31/89	1	8,858
8900131	BR7881	F191		313B	317F	44007	03/01/89	03/31/89	1	7,354
8900131	BR7882	F191		313B	317F	44008	03/01/89	03/31/89	1	7,298
8900131	BR7883	F191		313B	317F	44009	03/01/89	03/31/89	1	7,252
8900131	BR7884	F191		313B	317F	44011	03/01/89	03/31/89	1	8,612
8900131	BR7885	F191		313B	317F	44012	03/01/89	03/02/89	1	452
8900131	BR7886	F191		313B	317F	44013	03/01/89	03/31/89	1	7,276
8900131	BR7887	F191		313B	317F	45002	03/01/89	03/05/89	1	1,030
8900131	BR7888	F191		313B	317F	45007	03/27/89	03/31/89	1	980
8900131	BR7889	F191		313B	317F	46001	03/01/89	03/31/89	1	8,828
8900131	BR7890	F191		313B	317F	46002	03/01/89	03/31/89	1	8,872
8900131	BR7891	F191		313B	317F	46005	03/01/89	03/31/89	1	8,872
8900131	BR7892	F191		313B	317F	46006	03/01/89	03/31/89	1	7,198
8900131	BR7893	F191		313B	317F	46010	03/01/89	03/31/89	1	7,272
8900131	BR7894	F191		313B	317F	46011	03/01/89	03/31/89	1	7,388
8900131	BR7895	F191		313B	317F	46012	03/01/89	03/31/89	1	7,376
8900131	BR7896	F191		313B	317F	46013	03/01/89	03/31/89	1	7,112
8900131	BR7897	F191		313B	317F	46014	03/01/89	03/31/89	1	7,254
8900131	BR7898	F191		313B	317F	46022	03/01/89	03/31/89	1	8,796
8900131	BR7899	F191		313B	317F	46023	03/01/89	03/31/89	1	7,384
8900131	BR7900	F191		313B	317F	46025	03/01/89	03/31/89	1	7,318
8900131	BR7901	F191		313B	317F	46026	03/01/89	03/31/89	1	7,378
8900131	BR7902	F191		313B	317F	46027	03/22/89	03/31/89	1	2,342
8900131	BR7903	F191		313B	317F	46028	03/01/89	03/31/89	1	8,892
8900131	BR7904	F191		313B	317F	46030	03/01/89	03/31/89	1	7,370
8900131	BR7905	F191		313B	317F	46035	03/01/89	03/31/89	1	6,942
8900131	BR7906	F191		313B	317F	46040	03/01/89	03/31/89	1	7,302
8900131	BR7907	F191		313B	317F	46041	03/09/89	03/31/89	1	5,480
8900131	BR7908	F191		313B	317F	46042	03/13/89	03/31/89	1	26,297
8900131	BR7909	F191		313B	317F	46125	03/01/89	03/31/89	1	44,225
8900131	BR7910	F191		313B	317F	51001	03/01/89	03/03/89	1	264
8900131	BR7911	F191		313B	317F	51002	03/01/89	03/31/89	1	2,964
8900131	BR7912	F191		313B	317F	51003	03/01/89	03/31/89	1	2,954
8900131	BR7913	F191		313B	317F	51004	03/01/89	03/31/89	1	8,808
8900131	BR7914	F191		313B	317F	ALSN6	03/01/89	03/31/89	1	1,472
8900131	BR7915	F191		313B	317F	BURL1	03/01/89	03/31/89	1	1,480
8900131	BR7916	F191		313B	317F	BUZM3	03/01/89	03/31/89	1	1,482

8900131	BR7917	F191	313B	317F	CAR03	03/01/89	03/31/89	1	1,476
8900131	BR7918	F191	313B	317F	CHLV2	03/01/89	03/31/89	1	7,200
8900131	BR7919	F191	313B	317F	CLKN7	03/01/89	03/31/89	1	1,464
8900131	BR7920	F191	313B	317F	CSBF1	03/01/89	03/31/89	1	1,480
8900131	BR7921	F191	313B	317F	DBLN6	03/01/89	03/31/89	1	1,468
8900131	BR7922	F191	313B	317F	DESW1	03/01/89	03/31/89	1	1,390
8900131	BR7923	F191	313B	317F	DISW3	03/01/89	03/31/89	1	1,446
8900131	BR7924	F191	313B	317F	DPIA1	03/01/89	03/31/89	1	1,478
8900131	BR7925	F191	313B	317F	DSLNL7	03/01/89	03/31/89	1	7,304
8900131	BR7926	F191	313B	317F	FARP2	03/01/89	03/31/89	1	1,470
8900131	BR7927	F191	313B	317F	FBIS1	03/01/89	03/31/89	1	1,462
8900131	BR7928	F191	313B	317F	FFIA2	03/01/89	03/31/89	1	1,476
8900131	BR7929	F191	313B	317F	FPSN7	03/01/89	03/31/89	1	1,466
8900131	BR7930	F191	313B	317F	GDIL1	03/01/89	03/31/89	1	1,480
8900131	BR7931	F191	313B	317F	GLLN6	03/01/89	03/31/89	1	1,400
8900131	BR7932	F191	313B	317F	IOSN3	03/01/89	03/31/89	1	1,482
8900131	BR7933	F191	313B	317F	LKWF1	03/01/89	03/31/89	1	1,468
8900131	BR7934	F191	313B	317F	MDRM1	03/01/89	03/31/89	1	1,482
8900131	BR7935	F191	313B	317F	MISM1	03/01/89	03/31/89	1	1,484
8900131	BR7936	F191	313B	317F	MLRF1	03/01/89	03/31/89	1	1,482
8900131	BR7937	F191	313B	317F	MPCL1	03/01/89	03/31/89	1	1,474
8900131	BR7938	F191	313B	317F	NWPO3	03/01/89	03/31/89	1	1,476
8900131	BR7939	F191	313B	317F	PILM4	03/01/89	03/31/89	1	1,424
8900131	BR7940	F191	313B	317F	PTAC1	03/01/89	03/31/89	1	1,476
8900131	BR7941	F191	313B	317F	PTAT2	03/01/89	03/31/89	1	1,478
8900131	BR7942	F191	313B	317F	PTGC1	03/01/89	03/31/89	1	1,484
8900131	BR7943	F191	313B	317F	ROAM4	03/31/89	03/31/89	1	44
8900131	BR7944	F191	313B	317F	SAUF1	03/01/89	03/31/89	1	1,474
8900131	BR7945	F191	313B	317F	SBIO1	03/01/89	03/31/89	1	1,464
8900131	BR7946	F191	313B	317F	SGNW3	03/01/89	03/31/89	1	1,446
8900131	BR7947	F191	313B	317F	SISW1	03/01/89	03/31/89	1	1,478
8900131	BR7948	F191	313B	317F	SMKF1	03/01/89	03/31/89	1	1,446
8900131	BR7949	F191	313B	317F	SPGF1	03/01/89	03/31/89	1	1,482
8900131	BR7950	F191	313B	317F	SRST2	03/01/89	03/31/89	1	1,472
8900131	BR7951	F191	313B	317F	STDM4	03/01/89	03/31/89	1	1,482
8900131	BR7952	F191	313B	317F	SVLS1	03/01/89	03/31/89	1	1,486
8900131	BR7953	F191	313B	317F	TPLM2	03/01/89	03/31/89	1	1,484
8900131	BR7954	F191	313B	317F	TTIW1	03/01/89	03/31/89	1	1,478
8900131	BR7955	F191	313B	317F	VENF1	03/01/89	03/31/89	1	1,472
8900131	BR7956	F191	313B	317F	WPOW1	03/01/89	03/31/89	1	1,496

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ACCESSION NO. 8900131

FILETYPE F191

TRACK NO. \_\_\_\_\_

PROJECT IDENTIFICATION \_\_\_\_\_

BR 7866-7885

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4/27/89	S.J.H.	A00899	1	120	4080	294,134
DUPLICATE TAPE	5/1/89	FJM	W14349 *	1	120	4800	294,132
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: \* = NO LABEL

294,092 records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8900131

FILETYPE F191

TRACK NO. BR7886 - 7907

PROJECT IDENTIFICATION \_\_\_\_\_

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7/27/89	S.J.H.	A00900	1	120	4080	148,648
DUPLICATE TAPE	5/2/89	F.J.M.	W14459 *	1	120	4800	148,662
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: \* = NO LABEL 148,662 records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8900131

FILETYPE F191

TRACK NO. \_\_\_\_\_

PROJECT IDENTIFICATION \_\_\_\_\_

BR790.8-7956

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4/27/89	S.J.H.	ADD 901	+	120	4080	158,814
DUPLICATE TAPE	5/4/89	F.J.M.	W14510 *	1	120	4800	158,820
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

\* = NO LABEL

158,820 records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

● Run Proc BRBUOY-56

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	
INPUT	<u>A00899</u>		<u>9</u>	<u>1600</u>	<u>0</u>	<u>NL</u>	<u>FB</u>	<u>120</u>	<u>4080</u>	<u>1</u>	
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
	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
OUTPUT			<u>9</u>	<u>1600</u>	<u>NL</u>	<u>0</u>	<u>FB</u>	<u>120</u>	<u>4800</u>	<u>1</u>	
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
	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

SPECIAL INSTRUCTIONS: PLEASE ASSIGN "W" TAPE | ESTIMATED EXECUTION TIME: \_\_\_\_\_  
A00899 8900131

D731 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
<u>5984282</u>	<u>05/01/89</u>	<u>08:15</u>	<u>13:15</u>	<u>C</u>	<u>COMPLETED BY JS.</u>

COMMENTS



F. MITCHELL

673  
5643

E/OC13

DATE SUBMITTED  
5-2-89

DATE USE  
3

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Run Proc BRBUOY - 57

INPUT MEDIUM PAPER <input type="checkbox"/> CARD <input type="checkbox"/> DISK <input type="checkbox"/> TAPE <input type="checkbox"/> DISKETTE <input type="checkbox"/> OTHER(SPECIFY)				OUTPUT MEDIUM CARD <input type="checkbox"/> DISK <input type="checkbox"/> PRINT <input type="checkbox"/> TAPE <input type="checkbox"/> PLOT <input type="checkbox"/> DISKETTE <input type="checkbox"/> OTHER(SPECIFY)			
--	--	--	--	---	--	--	--

TAPE/DISKETTE INFORMATION										
D02905										
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
<del>10090</del>		9	1600	0	NL	FB	120	4080	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
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	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
W14159		9	1600	0	NL	FB	120	4080	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
	PLEASE ASSIGN "W" TAPE

D731 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
890013	05/02/89	09:15	11:05	C	COMPLETED BY J.S

COMMENTS

8900131

F.J. MITCHELL | 673-5643 | E/OC13

DATE SUBMITTED: 5-4-89 | DATE DUE: 61 | 3

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

VAX-11/750

RUN PROC BRBUOY\_53

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <u>PRINT</u> <u>TAPE</u> PLOT DISKETTE OTHER(SPECIFY)
--	---

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
INPUT	<del>A00901</del>		9	1600	0	NL	FB	120	4080	1	
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
	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
OUTPUT	<del>W14510</del>		9	1600	0	NL	FB	120	4800	1	
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
	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

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

PLEASE ASSIGN "W" TAPE

D731 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
89054404	05/04/89	10:15	12:25	C	COMPLETED BY J.S.

COMMENTS

8900131



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

April 28, 1989

F1804-02  
DB3:89-199  
SPN:ldm

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

Dear Sir:

Enclosed are the March 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*

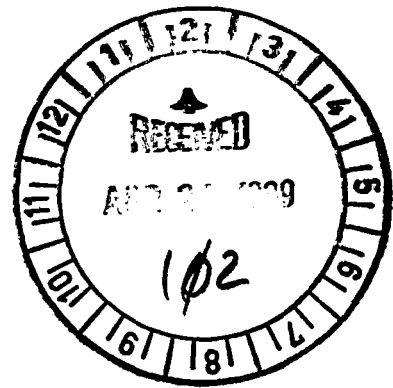
Sallie P. Nolan  
ADP Manager

Enclosures

91 BOOYS

8900131

A00899  
A00900  
A00901



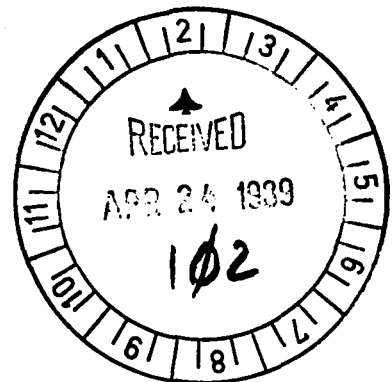
Attachment

Tape 1: 32302 03018900-03318923  
41001 03018900-03318923  
41002 03018900-03318923  
41006 03018900-03318923  
41008 03018900-03318923  
41009 03018900-03318923  
41010 03018900-03318923  
42001 03018900-03148916  
42002 03018900-03318923  
42003 03018900-03318923  
42007 03018900-03318923  
42015 03018900-03318923  
42016 03018900-03318923  
44004 03018900-03318923  
44005 03018900-03318923  
44007 03018900-03318923  
44008 03018900-03318923  
44009 03018900-03318923  
44011 03018900-03318923  
44012 03018900-03028921

20

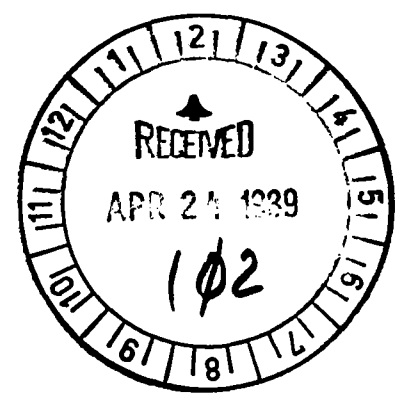
Tape 2: 44013 03018900-03318923  
45002 03018900-03058912  
45007 03278920-03318923  
46001 03018900-03318923  
46002 03018900-03318923  
46005 03018900-03318923  
46006 03018900-03318923  
46010 03018900-03318923  
46011 03018900-03318923  
46012 03018900-03318923  
46013 03018900-03318923  
46014 03018900-03318923  
46022 03018900-03318923  
46023 03018900-03318923  
46025 03018900-03318923  
46026 03018900-03318923  
46027 03228900-03318923  
46028 03018900-03318923  
46030 03018900-03318923  
46035 03018900-03318923  
46040 03018900-03318923  
46041 03098900-03318923

22



Tape 3: 46042 03138918-03318923  
46125 03018900-03318923  
51001 03018900-03038915  
51002 03018900-03318923

51003 03018900-03318923  
 51004 03018900-03318923  
 ALSN6 03018900-03318923  
 BURL1 03018900-03318923  
 BUZM3 03018900-03318923  
 CARO3 03018900-03318923  
 CHLV2 03018900-03318923  
 CLKN7 03018900-03318923  
 CSBF1 03018900-03318923  
 DBLN6 03018900-03318923  
 DESW1 03018900-03318923  
 DISW3 03018900-03318923  
 DPJA1 03018900-03318923  
 DSLN7 03018900-03318923  
 FARP2 03018900-03318923  
 20 - FBIS1 03018900-03318923  
 FFIA2 03018900-03318923  
 FPSN7 03018900-03318923  
 GDIL1 03018900-03318923  
 GLLN6 03018900-03318923  
 IOSN3 03018900-03318923  
 LKWF1 03018900-03318923  
 MDRM1 03018900-03318923  
 MISM1 03018900-03318923  
 MLRF1 03018900-03318923  
 MPCL1 03018900-03318923  
 NWPO3 03018900-03318923  
 PILM4 03018900-03318923  
 PTAC1 03018900-03318923  
 PTAT2 03018900-03318923  
 PTGC1 03018900-03318923  
 ROAM4 03318900-03318923  
 SAUF1 03018900-03318923  
 SBIO1 03018900-03318923  
 SGNW3 03018900-03318923  
 40 - SISW1 03018900-03318923  
 SMKFI 03018900-03318923  
 SPGF1 03018900-03318923  
 SRST2 03018900-03318923  
 STDMA 03018900-03318923  
 SVLS1 03018900-03318923  
 TPLM2 03018900-03318923  
 TTIW1 03018900-03318923  
 VENF1 03018900-03318923  
 49 - WPOW1 03018900-03318923



OPERATOR NAME: **HALMINSKI**      PHONE #: **673-5643**      ORG/TASK # \_\_\_\_\_      DATE SUBMITTED: **4/26/89**      DATE DUE \_\_\_\_\_      BIN # \_\_\_\_\_

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**SCAN**

**F191**

**8900131**

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

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

TAPE/DISKETTE INFORMATION

TAPE #/ <del>DISKETTE</del>	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
<b>A00899</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>120</b>	<b>4080</b>	<b>1</b>	
SECTOR SIZE	EXCHANGE TYPE	CODE: <b>(ASCII)</b> EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME				PURGE 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				PURGE DATE
TAPE #/ <del>DISKETTE</del>	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

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

DATE COMPLETED	JOB START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>04/27/89</b>	<b>10:15</b>	<b>10:30</b>	<b>C</b>	<b>COMPLETED BY J.S.</b>

89042611

OPERATOR NAME <b>HALMINSKI</b>	PHONE # <b>673-5643</b>	ORG/TASK #	DATE SUBMITTED <b>4/26/89</b>	DATE DUE	BIN #
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DEPARTMENT TO BE USED AND FUNCTION TO BE PERFORMED

**SCAN**

**F191**

**8900131**

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

	TAPE #/ <del>DISKETTE</del>	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	<b>A00900</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>120</b>	<b>4080</b>	<b>1</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <b>(ASCII)</b> EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			
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			
INPUT	TAPE #/ <del>DISKETTE</del>	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

31 USE ONLY

DATE COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>04/27/89</b>	<b>10:40</b>	<b>10:50</b>	<b>C</b>	<b>COMPLETED BY J.S.</b>

*8104212*

OPER NAME <b>HALMINSKI</b>	PHONE # <b>673-5643</b>	ORG/TASK #	DATE SUBMITTED <b>4/26/89</b>	DATE DUE	BJR #
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**SCAN**

**F191**

**8900131**

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

	TAPE #/ <del>DISKETTE</del>	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
INPUT	<b>R00901</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>120</b>	<b>4080</b>	<b>1</b>	
	SECTOR SIZE	EXCHANGE TYPE	CODE: <b>(ASCII)</b> EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME				PURGE 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				PURGE DATE
INPUT	<del>DISKETTE</del>										
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE 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				PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

31 USE ONLY

3 #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEY VERIFIED
<b>390412610</b>	<b>04/27/89</b>	<b>10:00</b>	<b>10:10</b>	<b>C</b>	<b>COMPLETED BY J.S.</b>

REMARKS



C. DATA FORMAT

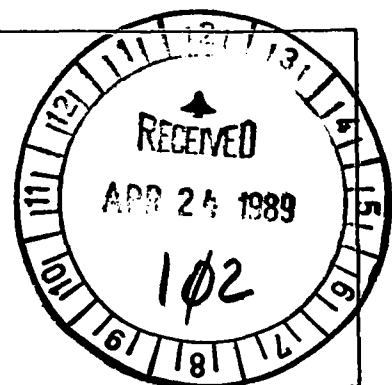
8900131

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</p> <p><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> </p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI    <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><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 <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>DESCRIPTIVE HEADER RECORD</b>					
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
<b>ENVIRONMENTAL DATA RECORD</b>					
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	I4	Temperature, Celsius to tenths
BAROMETER	38	5	Bytes	I5	Millibars to tenths (reduced to sea level)
WIND SPEED	43	4	Bytes	I4	Meters/sec. to hundredths
WIND DIRECTION	47	4	Bytes	I4	From true north, degrees to tenths
WEATHER	51	1	Byte	I1	Current weather (WMO Code 4501)
VISIBILITY	52	3	Bytes	I3	Nautical miles, to tenths

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		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.					
<b>WAVE SPECTRA DATA RECORD</b>					
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		
<b>WAVE SPECTRA DATA RECORD (cont'd)</b>					
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 <sup>2</sup> /Hz to thousandths
BLANKS	105	16	Bytes	16X	Fill the fixed length record
<b>SUBSURFACE TEMPERATURE DATA RECORD</b>					
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
<b>SUBSURFACE DATA RECORD</b>					
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		
<b>SUBSURFACE DATA RECORD (cont'd)</b>					
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	15	Obs. Level, meters to tenths
U Component	32,62,92	5	Bytes	15	East vector in cm/sec. to tenths
V Component	37,67,97	5	Bytes	15	True north vector in cm/sec. to tenths
Pressure	42,72,102	5	Bytes	15	Kg./cm <sup>2</sup> to hundredths
Conductivity	47,77,107	5	Bytes	15	Millimhos/cm to thousandths
Salinity	52,82,112	5	Bytes	15	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		
<b>CO AND QUAD SPECTRA FOR DIRECTIONAL WAVES</b>					
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 <sub>11</sub>	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 <sub>11</sub> , C <sub>22</sub> , C <sub>33</sub> , C <sub>12</sub> , Q <sub>12</sub> , C <sub>13</sub> , Q <sub>13</sub> , C <sub>23</sub> , and Q <sub>23</sub>
EXPONENT	42	2	Bytes	I2	Where subscripts are defined as follows:
CO-SPECTRA C <sub>22</sub>	44	6	Bytes	I6	1. Heave
EXPONENT	50	2	Bytes	I2	2. E-W Slope
CO-SPECTRA C <sub>33</sub>	52	6	Bytes	I6	3. N-S Slope
EXPONENT	58	2	Bytes	I2	
CO-SPECTRA C <sub>12</sub>	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
QUAD-SPECTRA Q <sub>12</sub>	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 <sub>13</sub>	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
QUAD-SPECTRA Q <sub>13</sub>	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
CO-SPECTRA C <sub>23</sub>	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
QUAD-SPECTRA Q <sub>23</sub>	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
C <sub>22</sub> - C <sub>33</sub>	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		
<b>ANGULAR COEFFICIENTS FOR DIRECTIONAL WAVES</b>					
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 <sup>2</sup> /Hz. The order of these coefficients is: a <sub>0</sub> , a <sub>1</sub> , b <sub>1</sub> , a <sub>2</sub> , b <sub>2</sub> , a <sub>3</sub> , b <sub>3</sub> , a <sub>4</sub> , b <sub>4</sub>
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		
<b>DIRECTIONAL WAVE DATA RECORD</b>					
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 = <math>S(F,A)*D(F,A)</math>, in which F = FREQ(HZ), A = Azimuth Angle measured clockwise from North to direction wave is from. <math>D(F,A) = (1/PI)*((1/2)+R1*COS(A-A1)+R2*COS(2*(A-A2)))</math>, 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, <math>R1 = (SQRT(A1*A1+B1*B1))/A0</math>, <math>R2 = (SQRT(A2*A2+B2*B2))/A0</math>, <math>A1 = ARCTAN(B1,A1)</math>, <math>A2 = (1/2)ARCTAN(B2,A2) + 0</math> or <math>PI</math>. <math>C11S(M*M/HZ) = (C22+C33)/(K*K)</math> in which K, the propagation constant, is the solution to <math>W*W = G*K*TANH(K*D)</math>, in which <math>W = 2*PI*F</math>, <math>G = 9.806 M/(SEC*SEC)</math>, 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 <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>CONTINUOUS WIND MEASUREMENT</b>					
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 <sup>1</sup>	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 <sup>2</sup>	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		
<b>CONTINUOUS WIND MEASUREMENT (Cont'd)</b>					
<p><sup>1</sup>Expansion Parameter.</p> <p><sup>2</sup>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.</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
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8900131	F291	BR7867	9999	313B	317F	1989/03/01	41001	184247
8900131	F291	BR7868	9999	313B	317F	1989/03/01	41002	184248
8900131	F291	BR7869	9999	313B	317F	1989/03/01	41006	184249
8900131	F291	BR7870	9999	313B	317F	1989/03/01	41008	184250
8900131	F291	BR7871	9999	313B	317F	1989/03/01	41009	184251
8900131	F291	BR7872	9999	313B	317F	1989/03/01	41010	184252
8900131	F291	BR7873	9999	313B	317F	1989/03/01	42001	184253
8900131	F291	BR7874	9999	313B	317F	1989/03/01	42002	184254
8900131	F291	BR7875	9999	313B	317F	1989/03/01	42003	184255
8900131	F291	BR7876	9999	313B	317F	1989/03/01	42007	184256
8900131	F291	BR7877	9999	313B	317F	1989/03/01	42015	184257
8900131	F291	BR7878	9999	313B	317F	1989/03/01	42016	184258
8900131	F291	BR7879	9999	313B	317F	1989/03/01	44004	184259
8900131	F291	BR7880	9999	313B	317F	1989/03/01	44005	184260
8900131	F291	BR7881	9999	313B	317F	1989/03/01	44007	184261
8900131	F291	BR7882	9999	313B	317F	1989/03/01	44008	184262
8900131	F291	BR7883	9999	313B	317F	1989/03/01	44009	184263
8900131	F291	BR7884	9999	313B	317F	1989/03/01	44011	184264
8900131	F291	BR7885	9999	313B	317F	1989/03/01	44012	184265
8900131	F291	BR7886	9999	313B	317F	1989/03/01	44013	184266
8900131	F291	BR7887	9999	313B	317F	1989/03/01	45002	184267
8900131	F291	BR7888	9999	313B	317F	1989/03/27	45007	184268
8900131	F291	BR7889	9999	313B	317F	1989/03/01	46001	184269
8900131	F291	BR7890	9999	313B	317F	1989/03/01	46002	184270
8900131	F291	BR7891	9999	313B	317F	1989/03/01	46005	184271
8900131	F291	BR7892	9999	313B	317F	1989/03/01	46006	184272
8900131	F291	BR7893	9999	313B	317F	1989/03/01	46010	184273
8900131	F291	BR7894	9999	313B	317F	1989/03/01	46011	184274
8900131	F291	BR7895	9999	313B	317F	1989/03/01	46012	184275
8900131	F291	BR7896	9999	313B	317F	1989/03/01	46013	184276
8900131	F291	BR7897	9999	313B	317F	1989/03/01	46014	184277
8900131	F291	BR7898	9999	313B	317F	1989/03/01	46022	184278
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8900131	F291	BR7901	9999	313B	317F	1989/03/01	46026	184281
8900131	F291	BR7902	9999	313B	317F	1989/03/22	46027	184282
8900131	F291	BR7903	9999	313B	317F	1989/03/01	46028	184283
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8900131	F291	BR7909	9999	313B	317F	1989/03/01	46125	184289
8900131	F291	BR7910	9999	313B	317F	1989/03/01	51001	184290
8900131	F291	BR7911	9999	313B	317F	1989/03/01	51002	184291
8900131	F291	BR7912	9999	313B	317F	1989/03/01	51003	184292
8900131	F291	BR7913	9999	313B	317F	1989/03/01	51004	184293
8900131	F291	BR7914	9999	313B	317F	1989/03/01	ALSN6	184294
8900131	F291	BR7915	9999	313B	317F	1989/03/01	BURL1	184295
8900131	F291	BR7916	9999	313B	317F	1989/03/01	BUZM3	184296
8900131	F291	BR7917	9999	313B	317F	1989/03/01	CARO3	184297
8900131	F291	BR7918	9999	313B	317F	1989/03/01	CHLV2	184298
8900131	F291	BR7919	9999	313B	317F	1989/03/01	CLKN7	184299
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8900131	F291	BR7921	9999	313B	317F	1989/03/01	DBLN6	184301

8900131	F291	BR7922	9999	313B	317F	1989/03/01	DESW1	184302
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8900131	F291	BR7924	9999	313B	317F	1989/03/01	DP1A1	184304
8900131	F291	BR7925	9999	313B	317F	1989/03/01	DSL7	184305
8900131	F291	BR7926	9999	313B	317F	1989/03/01	FARP2	184306
8900131	F291	BR7927	9999	313B	317F	1989/03/01	FBIS1	184307
8900131	F291	BR7928	9999	313B	317F	1989/03/01	FFIA2	184308
8900131	F291	BR7929	9999	313B	317F	1989/03/01	FPSN7	184309
8900131	F291	BR7930	9999	313B	317F	1989/03/01	GDIL1	184310
8900131	F291	BR7931	9999	313B	317F	1989/03/01	GLLN6	184311
8900131	F291	BR7932	9999	313B	317F	1989/03/01	IOSN3	184312
8900131	F291	BR7933	9999	313B	317F	1989/03/01	LKWF1	184313
8900131	F291	BR7934	9999	313B	317F	1989/03/01	MDRM1	184314
8900131	F291	BR7935	9999	313B	317F	1989/03/01	MISM1	184315
8900131	F291	BR7936	9999	313B	317F	1989/03/01	MLRF1	184316
8900131	F291	BR7937	9999	313B	317F	1989/03/01	MPCL1	184317
8900131	F291	BR7938	9999	313B	317F	1989/03/01	NWPO3	184318
8900131	F291	BR7939	9999	313B	317F	1989/03/01	PILM4	184319
8900131	F291	BR7940	9999	313B	317F	1989/03/01	PTAC1	184320
8900131	F291	BR7941	9999	313B	317F	1989/03/01	PTAT2	184321
8900131	F291	BR7942	9999	313B	317F	1989/03/01	PTGC1	184322
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8900131	F291	BR7944	9999	313B	317F	1989/03/01	SAUF1	184324
8900131	F291	BR7945	9999	313B	317F	1989/03/01	SBIO1	184325
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8900131	F291	BR7947	9999	313B	317F	1989/03/01	SISW1	184327
8900131	F291	BR7948	9999	313B	317F	1989/03/01	SMKF1	184328
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8900131	F291	BR7951	9999	313B	317F	1989/03/01	STDM4	184331
8900131	F291	BR7952	9999	313B	317F	1989/03/01	SVLS1	184332
8900131	F291	BR7953	9999	313B	317F	1989/03/01	TPLM2	184333
8900131	F291	BR7954	9999	313B	317F	1989/03/01	TTIW1	184334
8900131	F291	BR7955	9999	313B	317F	1989/03/01	VENF1	184335
8900131	F291	BR7956	9999	313B	317F	1989/03/01	WPOW1	184336

(91 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
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8900131	F291	BR7868	317F	1	2894	89/03/01	89/03/01
8900131	F291	BR7869	317F	1	8788	89/03/01	89/03/01
8900131	F291	BR7870	317F	1	44546	89/03/01	89/03/01
8900131	F291	BR7871	317F	1	14500	89/03/01	89/03/01
8900131	F291	BR7872	317F	1	14620	89/03/01	89/03/01
8900131	F291	BR7873	317F	1	1042	89/03/01	89/03/01
8900131	F291	BR7874	317F	1	7314	89/03/01	89/03/01
8900131	F291	BR7875	317F	1	7250	89/03/01	89/03/01
8900131	F291	BR7876	317F	1	44078	89/03/01	89/03/01
8900131	F291	BR7877	317F	1	44318	89/03/01	89/03/01
8900131	F291	BR7878	317F	1	40310	89/03/01	89/03/01
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8900131	F291	BR7880	317F	1	8858	89/03/01	89/03/01
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8900131	F291	BR7882	317F	1	7298	89/03/01	89/03/01
8900131	F291	BR7883	317F	1	7252	89/03/01	89/03/01
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8900131	F291	BR7905	317F	1	6942	89/03/01	89/03/01
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8900131	F291	BR7908	317F	1	26297	89/03/13	89/03/13
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8900131	F291	BR7927	317F	1	1462	89/03/01	89/03/01
8900131	F291	BR7928	317F	1	1476	89/03/01	89/03/01
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8900131	F291	BR7936	317F	1	1482	89/03/01	89/03/01
8900131	F291	BR7937	317F	1	1474	89/03/01	89/03/01
8900131	F291	BR7938	317F	1	1476	89/03/01	89/03/01
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8900131	F291	BR7940	317F	1	1476	89/03/01	89/03/01
8900131	F291	BR7941	317F	1	1478	89/03/01	89/03/01
8900131	F291	BR7942	317F	1	1484	89/03/01	89/03/01
8900131	F291	BR7943	317F	1	44	89/03/31	89/03/31
8900131	F291	BR7944	317F	1	1474	89/03/01	89/03/01
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8900131	F291	BR7946	317F	1	1446	89/03/01	89/03/01
8900131	F291	BR7947	317F	1	1478	89/03/01	89/03/01
8900131	F291	BR7948	317F	1	1446	89/03/01	89/03/01
8900131	F291	BR7949	317F	1	1482	89/03/01	89/03/01
8900131	F291	BR7950	317F	1	1472	89/03/01	89/03/01
8900131	F291	BR7951	317F	1	1482	89/03/01	89/03/01
8900131	F291	BR7952	317F	1	1486	89/03/01	89/03/01
8900131	F291	BR7953	317F	1	1484	89/03/01	89/03/01
8900131	F291	BR7954	317F	1	1478	89/03/01	89/03/01
8900131	F291	BR7955	317F	1	1472	89/03/01	89/03/01
8900131	F291	BR7956	317F	1	1496	89/03/01	89/03/01

(91 rows affected)