ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000283	BR9671	F191		313B	317F	41001	10/01/90	10/31/90	1	8,140
9000283	BR9672	F191		313B	317F	41002	10/01/90	10/31/90	1	1,478
9000283	BR9673	F191		313B	317F	41006	10/01/90	10/31/90	1	8,143
9000283	BR9674	F191		313B	317F	41008	10/01/90	10/31/90	1	44,611
9000283	BR9675	F191		313B	317F	41009	10/01/90	10/31/90	1	14,728
9000283	BR9676	F191		313B	317F	41010	10/01/90	10/31/90	1	14,718
9000283	BR9677	F191		313B	317F	42001	10/01/90	10/31/90	1	8,099
9000283	BR9678	F191		313B	317F	42002	10/01/90	10/31/90	1	8,089
9000283	BR9679	F191		313B	317F	42003	10/01/90	10/31/90	1	8,116
9000283	BR9680	F191		313B	317F	42007	10/01/90	10/31/90	1	2,226
9000283	BR9681	F191		313B	317F	42019	10/01/90	10/31/90	1	7,410
9000283	BR9682	F191		313B	317F	42020	10/01/90	10/16/90	1	3,802
9000283	BR9683	F191		313B	317F	44001	10/01/90	10/31/90	1	17,536
9000283	BR9684	F191		313B	317F	44004	10/01/90	10/31/90	1	8,116
9000283	BR9685	F191		313B	317F	44005	10/01/90	10/31/90	1	8,142
9000283	BR9686	F191		313B	317F	44007	10/01/90	10/31/90	1	7,388
9000283	BR9687	F191		313B	317F	44008	10/01/90	10/31/90	1	8,110

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000283	BR9688	F191		313B	317F	44009	10/01/90	10/31/90	1	7,404
9000283	BR9689	F191		313B	317F	44011	10/01/90	10/31/90	1	7,898
9000283	BR9690	F191		313B	317F	44012	10/01/90	10/30/90	1	6,674
9000283	BR9691	F191		313B	317F	44013	10/01/90	10/31/90	1	7,412
9000283	BR9692	F191		313B	317F	44014	10/01/90	10/31/90	1	44,042
9000283	BR9693	F191		313B	317F	44015	10/01/90	10/31/90	1	44,906
9000283	BR9694	F191		313B	317F	45001	10/01/90	10/31/90	1	7,308
9000283	BR9695	F191		313B	317F	45002	10/01/90	10/31/90	1	8,846
9000283	BR9696	F191		313B	317F	45003	10/01/90	10/31/90	1	8,884
9000283	BR9697	F191		313B	317F	45004	10/01/90	10/31/90	1	8,856
9000283	BR9698	F191		313B	317F	45005	10/01/90	10/31/90	1	44,904
9000283	BR9699	F191		313B	317F	45006	10/01/90	10/31/90	1	7,420
9000283	BR9700	F191		313B	317F	45007	10/01/90	10/31/90	1	31,149
9000283	BR9701	F191		313B	317F	45008	10/01/90	10/31/90	1	8,846
9000283	BR9702	F191		313B	317F	46001	10/01/90	10/31/90	1	8,123
9000283	BR9703	F191		313B	317F	46002	10/01/90	10/31/90	1	7,394
9000283	BR9704	F191		313B	317F	46003	10/01/90	10/31/90	1	8,139
9000283	BR9705	F191		313B	317F	46006	10/01/90	10/31/90	1	8,000
9000283	BR9706	F191		313B	317F	46010	10/01/90	10/31/90	1	7,374
9000283	BR9707	F191		313B	317F	46011	10/01/90	10/31/90	1	3,089

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000283	BR9708	F191		313B	317F	46012	10/01/90	10/31/90	1	8,880
9000283	BR9709	F191		313B	317F	46013	10/01/90	10/31/90	1	8,880
9000283	BR9710	F191		313B	317F	46014	10/01/90	10/31/90	1	8,856
9000283	BR9711	F191		313B	317F	46022	10/01/90	10/31/90	1	8,874
9000283	BR9712	F191		313B	317F	46023	10/01/90	10/31/90	1	8,904
9000283	BR9713	F191		313B	317F	46025	10/01/90	10/31/90	1	7,984
9000283	BR9714	F191		313B	317F	46026	10/01/90	10/31/90	1	3,750
9000283	BR9715	F191		313B	317F	46027	10/01/90	10/31/90	1	7,346
9000283	BR9716	F191		313B	317F	46028	10/01/90	10/31/90	1	8,894
9000283	BR9717	F191		313B	317F	46030	10/01/90	10/31/90	1	7,072
9000283	BR9718	F191		313B	317F	46035	10/01/90	10/31/90	1	8,109
9000283	BR9719	F191		313B	317F	46040	10/01/90	10/31/90	1	7,348
9000283	BR9720	F191		313B	317F	46041	10/01/90	10/31/90	1	7,388
9000283	BR9721	F191		313B	317F	46042	10/01/90	10/31/90	1	45,203
9000283	BR9722	F191		313B	317F	51001	10/01/90	10/31/90	1	8,846
9000283	BR9723	F191		313B	317F	51002	10/06/90	10/31/90	1	7,234
9000283	BR9724	F191		313B	317F	51003	10/01/90	10/31/90	1	8,776
9000283	BR9725	F191		313B	317F	51004	10/01/90	10/31/90	1	8,842
9000283	BR9726	F191		313B	317F	52009	10/01/90	10/31/90	1	43,344

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9000283	BR9727	F191		313B	317F	ALSN6	10/01/90	10/31/90	1	6,994
9000283	BR9728	F191		313B	317F	BURL1	10/01/90	10/31/90	1	2,226
9000283	BR9729	F191		313B	317F	BUZM3	10/10/90	10/31/90	1	5,074
9000283	BR9730	F191		313B	317F	CARO3	10/01/90	10/31/90	1	1,484
9000283	BR9731	F191		313B	317F	CHLV2	10/01/90	10/31/90	1	7,446
9000283	BR9732	F191		313B	317F	CLKN7	10/01/90	10/31/90	1	2,226
9000283	BR9733	F191		313B	317F	CSBF1	10/01/90	10/31/90	1	1,981
9000283	BR9734	F191		313B	317F	DBLN6	10/01/90	10/31/90	1	1,416
9000283	BR9735	F191		313B	317F	DESW1	10/01/90	10/31/90	1	1,484
9000283	BR9736	F191		313B	317F	DISW3	10/01/90	10/31/90	1	1,480
9000283	BR9737	F191		313B	317F	DPIA1	10/01/90	10/31/90	1	1,416
9000283	BR9738	F191		313B	317F	DSLN7	10/01/90	10/31/90	1	7,892
9000283	BR9739	F191		313B	317F	ENIP2	10/01/90	10/31/90	1	1,474
9000283	BR9740	F191		313B	317F	FARP2	10/01/90	10/31/90	1	1,474
9000283	BR9741	F191		313B	317F	FBIS1	10/01/90	10/31/90	1	1,482
9000283	BR9742	F191		313B	317F	FFIA2	10/01/90	10/31/90	1	1,482
9000283	BR9743	F191		313B	317F	FPSN7	10/01/90	10/31/90	1	2,226
9000283	BR9744	F191		313B	317F	GBCL1	10/01/90	10/31/90	1	8,108
9000283	BR9745	F191		313B	317F	GDIL1	10/01/90	10/31/90	1	2,223
9000283	BR9746	F191		313B	317F	GLLN6	10/01/90	10/31/90	1	1,478
9000283	BR9747	F191		313B	317F	IOSN3	10/01/90	10/31/90	1	1,482
9000283	BR9748	F191		313B	317F	KOSP2	10/01/90	10/31/90	1	1,482
9000283	BR9749	F191		313B	317F	LKWF1	10/01/90	10/31/90	1	2,151
9000283	BR9750	F191		313B	317F	MDRM1	10/01/90	10/31/90	1	1,482
9000283	BR9751	F191		313B	317F	MISM1	10/01/90	10/31/90	1	1,482
9000283	BR9752	F191		313B	317F	MLRF1	10/01/90	10/31/90	1	1,304
9000283	BR9753	F191		313B	317F	MPCL1	10/01/90	10/31/90	1	7,899
9000283	BR9754	F191		313B	317F	NWPO3	10/01/90	10/31/90	1	1,484
9000283	BR9755	F191		313B	317F	PAGP2	10/01/90	10/31/90	1	1,442
9000283	BR9756	F191		313B	317F	PILM4	10/01/90	10/31/90	1	1,484
9000283	BR9757	F191		313B	317F	PTAC1	10/01/90	10/31/90	1	1,486
9000283	BR9758	F191		313B	317F	PTAT2	10/01/90	10/31/90	1	2,222
9000283	BR9759	F191		313B	317F	PTGC1	10/01/90	10/31/90	1	1,486
9000283	BR9760	F191		313B	317F	ROAM4	10/01/90	10/31/90	1	1,480
9000283	BR9761	F191		313B	317F	SAUF1	10/01/90	10/31/90	1	2,211
9000283	BR9762	F191		313B	317F	SBIO1	10/01/90	10/30/90	1	1,414
9000283	BR9763	F191		313B	317F	SGNW3	10/01/90	10/31/90	1	1,432
9000283	BR9764	F191		313B	317F	SISW1	10/01/90	10/31/90	1	1,484
9000283	BR9765	F191		313B	317F	SMKF1	10/01/90	10/31/90	1	1,476
9000283	BR9766	F191		313B	317F	SPGF1	10/01/90	10/31/90	1	2,222
9000283	BR9767	F191		313B	317F	SRST2	10/01/90	10/31/90	1	2,229
9000283	BR9768	F191		313B	317F	STDM4	10/01/90	10/31/90	1	1,484
9000283	BR9769	F191		313B	317F	SVLS1	10/01/90	10/31/90	1	7,797
9000283	BR9770	F191		313B	317F	TPLM2	10/01/90	10/31/90	1	2,209
9000283	BR9771	F191		313B	317F	TTIW1	10/05/90	10/31/90	1	1,252
9000283	BR9772	F191		313B	317F	UJAP2	10/01/90	10/31/90	1	1,470
9000283	BR9773	F191		313B	317F	VENF1	10/01/90	10/31/90	1	2,225
9000283	BR9774	F191		313B	317F	WPOW1	10/01/90	10/31/90	1	1,379

ACCESSION NO. 90 00283 FILETYPE F191 TRACK NO. BR9671 -9687 PROJECT IDENTIFICATION

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	12-18-90	CMH.	A01330	1	120	4080	178,874
DUPLICATE TAPE	1-29-90	FJM	W13379	1	120	4800	178,852
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

D191P

ACCESSION NO. 9000283 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

BR9688-9707

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	12-18-90	C.M.H.	AQ1331 *	1	120	4080	286688
DUPLICATE TAPE	3-6-91	FJM	W14599 **	1	120	4800	286688
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* NL, 1600 B.P.I.
** NL, 6250 b.p.i.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 90 00283 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

BR9708 -9726

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	12-18-90	FJM	A01332	1	120	4080	224502
DUPLICATE TAPE	2-21-91	FJM	W14542	1	120	4800	224,538
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 90 00283 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

BR9727-9774

STEP	DATE	INIT.	9 TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	12-18-90	C.M.H	A01333 *	1	120	4080	119,748
DUPLICATE TAPE	3-14-91	F.J.M.	W14949 *	1	120	4800	119,716
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: * = NO LABEL

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hadley	673-5636	EG12008N3HH9	12/17/90	ASAP

PART A

Request/Problem Category

[ ] General Info [ ] Communications [ ] Equipment [ ] Supplies
[ ] Software [ ] Tape Library [X] Computer Operations
[ ] Other Specify:

Comments/Special Instructions: A01330

PART B (For Computer Job Requests)

Operator Job Request Type

[ ] Run BRBUOY procedure Name: _____ [] See attached list
[ ] Run SELBUOY procedure Name: _____ [] See attached list
[ ] Run BUOYSUM procedure Name: _____ [] See attached list
[ ] Run *OTHER* procedure - see SPECIAL INSTRUCTIONS
[X] Tape Scan
[ ] Tape to Tape Copy *Scan OUTPUT tape?* [] yes [] no
[ ] Disk to Tape Copy *Scan OUTPUT tape?* [] yes [] no
[ ] Tape to Disk Copy
[ ] Print [] 80 column [] 132 column [] HEX [] OCTAL [] Character
All files/records? [] yes [] no, see SPECIAL INSTRUCTIONS
[ ] Restore VAX file Name: _____
[ ] *OTHER* - see SPECIAL INSTRUCTIONS

Special Operator Instructions:
Please return tape A01330 to Bin 09

JOB INPUT Id#/Filename: A01330

Medium: [X] Tape [ ] Disk [ ] Diskette [ ] Other Specify:
Code: [X] ASCII [ ] EBCDIC [ ] Binary [ ] Other Specify:
Tape Specs: [ ] 800 [X] 1600 [ ] 6250 [X] NL [ ] SL
MAX Record Length: _____ MAX Blocksize: 4119

JOB OUTPUT Id#/Filename: A01330

Medium: [X] Tape [ ] Disk [ ] Diskette [ ] Other Specify:
Code: [X] ASCII [ ] EBCDIC [ ] Binary [ ] Other Specify:
Tape Specs: [ ] 800 [X] 1600 [ ] 6250 [X] NL [ ] SL
MAX Record Length: _____ MAX Blocksize: 4119

(OC3 Use Only)
JOB Number: 90121704
Completed By: G.S.
Date/Time Start: 12-18-90/9:00
Date/Time Completed: 12-18-90/9:05

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hartley	673-5636	EC1200SN3HH9	12-17-90	ASAP

PART A

Request/Problem Category

[ ] General Info [ ] Communications [ ] Equipment [ ] Supplies
[ ] Software [ ] Tape Library [X] Computer Operations
[ ] Other Specify

Request/Problem Description

A∅1331

PART B (For Operator Job Requests)

Operator Job Request Type

[ ] Run BRBUOY procedure Name: ______ [] See attached list
[ ] Run SELBUOY procedure Name: ______ [] See attached list
[ ] Run BUOYSUM procedure Name: ______ [] See attached list
[ ] Run OTHER procedure - see SPECIAL INSTRUCTIONS
[X] Tape Scan
[ ] Tape to Tape Copy Scan OUTPUT tape? [] yes [] no
[ ] Disk to Tape Copy Scan OUTPUT tape? [] yes [] no
[ ] Tape to Disk Copy
[ ] Print [] 80 column [] 132 column [] HEX [] OCTAL [] Character
All files/records? [] yes [] no. see SPECIAL INSTRUCTIONS
[ ] Restore VAX file Name: ______
[ ] OTHER - see SPECIAL INSTRUCTIONS

Special Operator Instructions:

Please return tape A∅1331 to Bin 09

JOB INPUT Id#/Filename: A∅1331

Medium: [X] Tape [ ] Disk [ ] Diskette [ ] Other Specify:
Code: [X] ASCII [ ] EBCDIC [ ] Binary [ ] Other Specify:
Tape Specs: [ ] 800 [X] 1600 [ ] 6250 [X] NL [ ] SL
MAX Record Length: _ _ _ _ _ MAX Blocksize: _ 4 0 8 0

JOB OUTPUT Id#/Filename: A∅1331

Medium: [X] Tape [ ] Disk [ ] Diskette [ ] Other Specify:
Code: [X] ASCII [ ] EBCDIC [ ] Binary [ ] Other Specify:
Tape Specs: [ ] 800 [X] 1600 [ ] 6250 [X] NL [ ] SL
MAX Record Length: _ _ _ _ _ MAX Blocksize: _ 4 0 8 0

(OC3 Use Only)
JOB Number: 9∅121783 Date/Time Start: 12-18-90/8:50
Completed By: J.S. Date/Time Completed: 12-18-90/8:55

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hartley	673-5636	EG12008N3HH9	12/17/90	ASAP

PART A

Request/Problem Category

[ ] General Info   [ ] Communications   [ ] Equipment   [ ] Supplies
[ ] Software   [ ] Tape Library   [X] Computer Operations
[ ] Other   Specify:

Request/Problem Description:

[illegible] A∅1332

PART B (For Operator Job Requests)

Operator Job Request Type

[ ] Run BRBUOY procedure   Name: ______   [] See attached list
[ ] Run SELBUOY procedure   Name: ______   [] See attached list
[ ] Run BUOYSUM procedure   Name: ______   [] See attached list
[ ] Run *OTHER* procedure - see SPECIAL INSTRUCTIONS
[X] Tape Scan
[ ] Tape to Tape Copy   *Scan OUTPUT tape?* [] yes [] no
[ ] Disk to Tape Copy   *Scan OUTPUT tape?* [] yes [] no
[ ] Tape to Disk Copy
[ ] Print   [] 80 column   [] 132 column   [] HEX   [] OCTAL   [] Character
All files/records? [] yes [] no. see SPECIAL INSTRUCTIONS
[ ] Restore VAX file   *Name:* ______
[ ] *OTHER* - see SPECIAL INSTRUCTIONS

Special Operator Instructions:

Please return tape A∅1332 to Bin 09

JOB INPUT

Id#/Filename: A∅1332

Medium: [X] Tape [ ] Disk [ ] Diskette [ ] Other Specify:
Code: [X] ASCII [ ] EBCDIC [ ] Binary [ ] Other Specify:
Tape Specs: [ ] 800 [X] 1600 [ ] 6250 [X] NL [ ] SL
MAX Record Length: _ _ _ _ _   *MAX Blocksize:* _ 4 0 8 0

JOB OUTPUT

Id#/Filename: A∅1332

Medium: [X] Tape [ ] Disk [ ] Diskette [ ] Other Specify:
Code: [X] ASCII [ ] EBCDIC [ ] Binary [ ] Other Specify:
Tape Specs: [ ] 800 [X] 1600 [ ] 6250 [X] NL [ ] SL
MAX Record Length: _ _ _ _ _   *MAX Blocksize:* _ 4 0 8 0

(OC3 Use Only)
JOB Number: 9∅121782   Date/Time Start: 12-18-90 / 8:40
Completed By: J.S.   Date/Time Completed: 12-18-90 / 8:45

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hartley	673-5634	EG12005N3AH9	12-17-90	ASAP

PART A

Request/Problem Category

[ ] General Info [ ] Communications [ ] Equipment [ ] Supplies
[ ] Software [ ] Tape Library [X] Computer Operations
[ ] *Other:*

A01333

PART I (for Operator Job Requests)

Operator Job Request Type

[ ] Run BRBUOY procedure *Name:* _____ [] See attached list
[ ] Run SELBUOY procedure *Name:* _____ [] See attached list
[ ] Run BUOYSUM procedure *Name:* _____ [] See attached list
[ ] Run *OTHER* procedure - see SPECIAL INSTRUCTIONS
[X] Tape Scan
[ ] Tape to Tape Copy *Scan OUTPUT tape?* [] yes [] no
[ ] Disk to Tape Copy *Scan OUTPUT tape?* [] yes [] no
[ ] Tape to Disk Copy
[ ] Print [] 80 column [] 132 column [] HEX [] OCTAL [] Character
All files/records? [] yes [] no, see SPECIAL INSTRUCTIONS
[ ] Restore VAX file *Name:* _____
[ ] *OTHER* - see SPECIAL INSTRUCTIONS

Special Operator Instructions:

Please return tape A01333 to Bin 09

JOB INPUT Id#/Filename: A01333

Medium: [X] Tape [ ] Disk [ ] Diskette [ ] Other Specify:
Code: [X] ASCII [ ] EBCDIC [ ] Binary [ ] Other Specify:
Tape Specs: [ ] 800 [X] 1600 [ ] 6250 [X] NL [ ] SL
MAX Record Length: _____ *MAX Blocksize:* 4080

JOB OUTPUT Id#/Filename: A01333

Medium: [X] Tape [ ] Disk [ ] Diskette [ ] Other Specify:
Code: [X] ASCII [ ] EBCDIC [ ] Binary [ ] Other Specify:
Tape Specs: [ ] 800 [X] 1600 [ ] 6250 [X] NL [ ] SL
MAX Record Length: _____ *MAX Blocksize:* 4080

(OC3 Use Only)
JOB Number: 90121701
Completed By: G.S
Date/Time Start: 12-18-90 / 8:30
Date/Time Completed: 12-18-90 / 8:35

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

December 5, 1990 F1804-02
DB3:90-0583
SPN:idm

Mr. Anthony Picciolo
Chief, Data Acquisition and Management Branch
NODC/NESDIS/NOAA
Universal South
1825 Connecticut Avenue, N.W.
Room 416
Washington, DC 20235

Dear Mr. Picciolo:

Enclosed are the October 1990, Nine Track, 1600 BPI, archive tapes, recorded in the 191 tape format. The enclosure contains a list of stations and the inclusive dates that are on each tape.

A change in our data processing was made which resulted in the capability to record more accurate station positions. These more accurate positions are reflected on the October archive tapes beginning at the first of the month. The changes from previous months that you will see do not reflect a relocation of the stations, but the reporting of latitude and longitude with better definitude. Magnetic variation values were also reviewed and updated to reflect more accurate values.

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

Acc # 9000283
AØ1330
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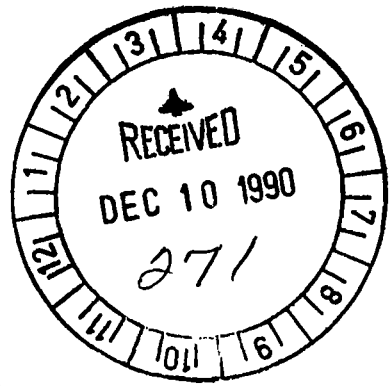


Attachment

Tape 1: 41001 10019000-10319023
41002 10019000-10319023
41006 10019000-10319023
41008 10019000-10319023
41009 10019000-10319023
41010 10019000-10319023
42001 10019000-10319023
42002 10019000-10319023
42003 10019000-10319023
42007 10019000-10319023
42019 10019000-10319023
42020 10019000-10179000
44001 10019000-10319023
44004 10019000-10319023
44005 10019000-10319023
44007 10019000-10319023
44008 10019000-10319023

17

Tape 2: 44009 10019000-10319023
44011 10019000-10319023
44012 10019000-10309010
44013 10019000-10319023
44014 10019000-10319023
44015 10019000-10319023
45001 10019000-10319023
45002 10019000-10319023
45003 10019000-10319023
45004 10019000-10319023
45005 10019000-10319023
45006 10019000-10319023
45007 10019000-10319023
45008 10019000-10319023
46001 10019000-10319023
46002 10019000-10319023
46003 10019000-10319023
46006 10019000-10319023
46010 10019000-10319023
46011 10019000-10319023

20

Tape 3 46012 10019000-10319023
46013 10019000-10319023
46014 10019000-10319023
46022 10019000-10319023
46023 10019000-10319023
46025 10019000-10319023
46026 10013000-10319023
46027 10019000-10319023
46028 10019000-10319023

14

	46030	10019000-10319023
	46035	10019000-10319023
	46040	10019000-10319023
	46041	10019000-10319023
	46042	10019000-10319023
	51001	10019000-10319023
	51002	10069007-10319023
	51003	10019000-10319023
	51004	10019000-10319023
	52009	10019000-10319023
Tape 4	ALSN6	10019000-10319023
	BURL1	10019000-10319023
	BUZM3	10019000-10319023
	CARO3	10019000-10319023
	CHLV2	10019000-10319023
	CLKN7	10019000-10319023
	CSBF1	10019000-10319023
	DBLN6	10019000-10319023
	DESW1	10019000-10319023
	DISW3	10019000-10319023
	DPIA1	10019000-10319023
	DSLN7	10019000-10319023
	ENIP2	10019000-10319023
	FARP2	10019000-10319023
	FBIS1	10019000-10319023
	FFIA2	10019000-10319023
	FPSN7	10019000-10319023
	GBCL1	10019000-10319023
	GDIL1	10019000-10319023
	GLLN6	10019000-10319023
	IOSN3	10019000-10319023
	KOSP2	10019000-10319023
	LKWF1	10019000-10319023
	MDRM1	10019000-10319023
	MISM1	10019000-10319023
	MLRF1	10019000-10319023
	MPCL1	10019000-10319023
	NWPO3	10019000-10319023
	PAGP2	10019000-10319023
	PILM4	10019000-10319023
	PTAC1	10019000-10319023
	PTAT2	10019000-10319023
	PTGC1	10019000-10319023
	ROAM4	10019000-10319023
	SAUF1	10019000-10319023
	SBIO1	10019000-10319015
	SGNW3	10019000-10319023
	SISW1	10019000-10319023
	SMKF1	10019000-10319023
	SPGF1	10019000-10319023
	SRST2	10019000-10319023

STDM4 10019000-10319023
SVLS1 10019000-10319023
TPLM2 10019000-10319023
TTIW1 10059000-10319023
UJAP2 10019000-10319023
VENF1 10019000-10319023
WPOW1 10019000-10319023

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

December 5, 1990 F1804-02
DB3:90-0583
SPN:idm

Mr. Anthony Picciolo
Chief, Data Acquisition and Management Branch
NODC/NESDIS/NOAA
Universal South
1825 Connecticut Avenue, N.W.
Room 416
Washington, DC 20235

Dear Mr. Picciolo:

Enclosed are the October 1990, Nine Track, 1600 BPI, archive tapes, recorded in the 191 tape format. The enclosure contains a list of stations and the inclusive dates that are on each tape.

A change in our data processing was made which resulted in the capability to record more accurate station positions. These more accurate positions are reflected on the October archive tapes beginning at the first of the month. The changes from previous months that you will see do not reflect a relocation of the stations, but the reporting of latitude and longitude with better definitude. Magnetic variation values were also reviewed and updated to reflect more accurate values.

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

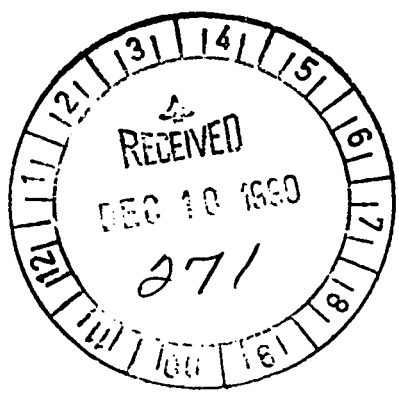
Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures

Acc # 9000283
AØ1330
AØ1331
AØ1332
AØ1333



Attachment

Tape 1:	41001	10019000-10319023
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	42019	10019000-10319023
	42020	10019000-10179000
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	BUZM3	10019000-10319023
	CARO3	10019000-10319023
	CHLV2	10019000-10319023
	CLKN7	10019000-10319023
	CSBF1	10019000-10319023
	DBLN6	10019000-10319023
	DESW1	10019000-10319023
	DISW3	10019000-10319023
	DPIA1	10019000-10319023
	DSLN7	10019000-10319023
	ENIP2	10019000-10319023
	FARP2	10019000-10319023
	FBIS1	10019000-10319023
	FFIA2	10019000-10319023
	FPSN7	10019000-10319023
	GBCL1	10019000-10319023
	GDIL1	10019000-10319023
	GLLN6	10019000-10319023
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	PILM4	10019000-10319023
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	PTAT2	10019000-10319023
	PTGC1	10019000-10319023
	ROAM4	10019000-10319023
	SAUF1	10019000-10319023
	SBIO1	10019000-10319015
	SGNW3	10019000-10319023
	SISW1	10019000-10319023
	SMKF1	10019000-10319023
	SPGF1	10019000-10319023
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TPLM2 10019000-10319023
TTIW1 10059000-10319023
UJAP2 10019000-10319023
VENF1 10019000-10319023
WPOW1 10019000-10319023

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

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

Record type "1" (position 10) is Descriptive. The file, platform, location, sampling and originator are described.
Record type "2" is Environmental Data. File keys are included along with meteorology and wave conditions.
Record type "3" is Wave Spectra Data.
Record type "4" is Subsurface Temperature Data.
Record type "5" is other Subsurface Data.
Record type "6" is Co and Quad Spectra for Directional Waves.
Record type "7" is Angular Fourier Coefficients for Directional Waves.
Record type "8" is Directional Wave Data.
Record type "9" is Continuous Wind Measurements.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER _____
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☐ BCD ☐ BINARY ☒ ASCII ☐ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____

7. PARITY ☒ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

12. PHYSICAL BLOCK LENGTH IN BYTES
4089

13. LENGTH OF BYTES IN BITS
8

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

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

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
DESCRIPTIVE HEADER RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"1" (Descriptive header record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
LATITUDE	27	6	Bytes	3I2	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1	Byte	A1	"N" or "S" Hemisphere
LONGITUDE	34	7	Bytes	I3, 2I2	Degrees, Minutes, Seconds
LON. HEMISPHERE	41	1	Byte	A1	"E" OR "W" HEMISPHERE
BOTTOM DEPTH	42	5	Bytes	I5	Meters to tenths
MAGNETIC VARIATION	47	4	Bytes	I4	Whole degrees from true north (signed value)
BUOY HEADING*	51	3	Bytes	I3	Whole degrees from true north
WAVE SAMPLING RATE*	54	4	Bytes		I4Original measurements per minute to tenths
WAVE SAMPLING DURATION*	58	4	Bytes	I4	Minutes to hundredths
WAVE TOTAL INTERVALS*	62	3	Bytes	I3	Number of frequency intervals
CHIEF SCIENTIST	65	20	Bytes		A20(optional)
INSTITUTION	85	20	Bytes	A20	Data source
WIND SAMPLING DURATION	105	3	Bytes	I3	Minutes to tenths
COMMENTS	108	13	Bytes		A13
*for buoy data only					RECORD LENGTH IS 120
ENVIRONMENTAL DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"2" (environmental data rec.)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes		2I2Hours, Minutes (GMT)
ALTITUDE	27	3	Bytes	I3	Meteorology alt., meters to tenths
AIR TEMP	30	4	Bytes	I4	Temperature, Celsius to tenths
DEW POINT	34	4	Bytes		I4Temperature, Celsius to tenths
BAROMETER	38	5	Bytes	I5	Millibars to tenths (reduced to sea level)
WIND SPEED	43	4	Bytes	I4	Meters/sec. to hundredths
WIND DIRECTION	47	4	Bytes	I4	From true north, degrees to tenths
WEATHER	51	1	Byte	I1	Current weather (WMO Code 4501)
VISIBILITY	52	3	Bytes	I3	Nautical miles, to tenths

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
PRECIPITATION	55	4	Bytes	I4	Accumulation in millimeters
SOLAR RADIATION	59	3	Bytes	I3	Langleys/minute to hundredths wave length less than 3.6
SOLAR RADIATION	62	3	Bytes	I3	Langleys/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT *	65	3	Bytes	I3	Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD *	68	3	Bytes	I3	Seconds to tenths
DOMINANT WAVE DIRECTION	71	3	Bytes	I3	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3	Bytes	I3	Meters to tenths, from reference level
DEEPEST TROUGH SEA SURFACE	77	3	Bytes	I3	Meters to tenths, from reference level
TEMPERATURE SEA SURFACE	80	4	Bytes	I4	Temperature Celsius to hundredths
SALINITY	84	5	Bytes	I5	Parts per thousand to thousandths
CONDUCTIVITY	89	5	Bytes	I5	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD *	94	3	Bytes	I3	Seconds to tenths
MAXIMUM WAVE HEIGHT	97	3	Bytes	I3	Meters to tenths
MAXIMUM WAVE STEEPNESS	100	3	Bytes	I3	To be defined
WIND GUST	103	4	Bytes	I4	Meters/sec. to hundredths
WIND GUST(avg.pd.) AVERAGING PERIOD	107	2	Bytes	I2	Seconds
WIND GUST	109	4	Bytes	I4	Meters/sec. to hundredths
WIND GUST	113	2	Bytes	I2	Seconds
WIND SPEED(58 min. average)	115	3	Bytes	I3	Meters/sec. to tenths whole degrees
WIND DIRECTION(58 min. average)	118	3	Bytes	I3	Whole degrees
* Significant wave height, average wave period, and dominant wave period are set to zero when significant wave height is less than 0.15 meters.					
WAVE SPECTRA DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191 (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"3"(Wave Spectra Data Record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
INTERVALS PER DIRECTION	27	3	Bytes	I3	Zero for non-directional spectra, or total number of frequencies in this direction

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM 1 MEASURED IN (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
WAVE SPECTRA DATA RECORD (cont'd)					
DIRECTION	30	4	Bytes	I4	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record
COUNT	34	1	Byte	I1	Number of frequencies on this record
DATA	35	70	Bytes	5(2I4,I6)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35,49,63 77,91	4	Bytes	I4	Center frequency of interval in Hertz to thousandths
Resolution	39,53,67 81,95	4	Bytes	I4	Resolution of interval in Hertz to ten-thousandths
Density	43,57,71 85,99	6	Bytes	I6	Spectral Density of interval in m^2/Hz to thousandths
BLANKS	105	16	Bytes	16X	Fill the fixed length record
SUBSURFACE TEMPERATURE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"4" (Subsurface Temperature Data Record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
DATA	27	90	Bytes	10(I5,I4)	Up to 10 Depth and temperature fields
Depth	27,36,45 54,63,72 81,90,99 108	5	Bytes	I5	Obs. level, meters to tenths
Temperature	32,41,50 59,68,77 86,95,104 113	4	Bytes	I4	Degrees Celsius to hundredths (include Sea Surface temperature)
BLANKS	117	4	Bytes	4X	Fill the fixed length record
SUBSURFACE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (constant)
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	"5" (Subsurface Data Record)
STATION	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
SUBSURFACE DATA RECORD (cont'd)					
DATA	27	90	Bytes	3(I5,I5,I5,I5,I5,I5)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27,57,87	5	Bytes	I5	Obs. Level, meters to tenths
U Component	32,62,92	5	Bytes	I5	East vector in cm/sec. to tenths
V Component	37,67,97	5	Bytes	I5	True north vector in cm/sec. to tenths
Pressure	42,72,102	5	Bytes	I5	Kg./cm^2 to hundredths
Conductivity	47,77,107	5	Bytes	I5	Millimhos/cm to thousandths
Salinity	52,82,112	5	Bytes	I5	Parts per 1000 to thousandths
BLANKS	117	4	Bytes	4X	Fill the fixed length record

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
CO AND QUAD SPECTRA FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	I3	Always "191"
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	Always "6"
STATION NUMBER	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, minutes (GMT)
FREQUENCY	27	4	Bytes	I4	Center frequency of interval in Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	I5	Spectral resolution of this frequency band in Hz to ten thousandths
CO-SPECTRA C_{11}	36	6	Bytes	Signed Integers I6	Up to 9 uncorrected values of Co and Quad spectra in meters squared/Hz. The order these spectra are presented is: C_{11},C_{22},C_{33},C_{12},Q_{12}, C_{13}, Q_{13}, C_{23}, and Q_{23}
EXPONENT	42	2	Bytes	I2	Where subscripts are defined as follows:
CO-SPECTRA C_{22}	44	6	Bytes	I6	1. Heave
EXPONENT	50	2	Bytes	I2	2. E-W Slope
CO-SPECTRA C_{33}	52	6	Bytes	I6	3. N-S Slope
EXPONENT	58	2	Bytes	I2	
CO-SPECTRA C_{12}	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	If the exponent is less than -9 the exponent and its associated spectra should be zero
QUAD-SPECTRA Q_{12}	68	6	Bytes	I6	
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 NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
ANGULAR COEFFICIENTS FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	I3	Always "191"
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	Always "7"
STATION NUMBER	11	6	Bytes	A6	same as "1"
OBSERVED DATE	17	6	Bytes	3I2	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hour, minutes (GMT)
FREQUENCY	27	4	Bytes	I4	Center frequency of interval Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	I5	Spectral resolution of this frequency band in Hz to ten thousandths
ANGULAR FOURIER	36	6	Bytes	signed integers I6	Up to 9 corrected values of the angular fourier coefficients in meters^2/Hz. The order of these coefficients is: $a_0, a_1, b_1, a_2, b_2, a_3, b_3, a_4, b_4$
EXPONENT	42	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	44	6	Bytes	I6	
EXPONENT	50	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	52	6	Bytes	I6	
EXPONENT	58	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	68	6	Bytes	I6	
EXPONENT	74	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
MEAN WAVE DIRECTION	108	3	Bytes	I3	Mean wave direction given by arctan b_1/a_1 in whole degrees from true north (opt. entry)
BLANKS	111	10	Bytes	10X	Blanks

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
DIRECTIONAL WAVE DATA RECORD					
FILE TYPE	1	3	Bytes	A3	"191" (Constant)
FILE DATE	4	6	Bytes	3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1	Byte	A1	"8" (Directional Wave Data Record)
STATION	11	6	Bytes	A6	Inique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, Minutes (GMT)
COUNT	27	1	Byte	I1	Number of Frequencies on this Record (=1,2,or3)
FREQUENCY	28	4	Bytes	I4	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	32	4	Bytes	I4	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	36	4	Bytes	I4	Recorded to Nearest Hundredth
R2 (see below)	40	4	Bytes	I4	Recorded to Nearest Hundredth
A1 (see below)	44	4	Bytes	I4	Recorded in Degrees to Tenths
A2 (see below)	48	4	Bytes	I4	Recorded in Degrees to Tenths
C11S (see below)	52	6	Bytes	I6	Recorded in Meters Squared HZ to Thousandths
FREQUENCY	58	4	Bytes	I4	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	62	4	Bytes	I4	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	66	4	Bytes	I4	Recorded to Nearest Hundredth
R2 (see below)	70	4	Bytes	I4	Recorded to Nearest Hundredth
A1 (see below)	74	4	Bytes	I4	Recorded in Degrees to Tenths
A2 (see below)	78	4	Bytes	I4	Recorded in Degrees to Tenths
C11S (see below)	82	6	Bytes	I6	Recorded in Meters Squared/HZ to Thousandths
FREQUENCY	88	4	Bytes	I4	Center of Band in HZ to Ten-Thousandths
RESOLUTION (BANDWIDTH)	92	4	Bytes	I4	Bandwidth in HZ to Ten-Thousandths
R1 (see below)	96	4	Bytes	I4	Recorded to Nearest Hundredth
R2 (see below)	100	4	Bytes	I4	Recorded to Nearest Hundredth
A1 (see below)	104	4	Bytes	I4	Recorded to Degrees to Tenths
A2 (see below)	108	4	Bytes	I4	Recorded in Degrees to Tenths
C11S (see below)	112	6	Bytes	I6	Recorded in Meters Squared/HZ to Thousandths
BLANKS	118	3	Bytes	3X	Fill the fixed lengths record

NOTE: DIRECTIONAL WAVE SPECTRA - S(F,A)*D(F,A), in which F = FREQ(HZ), A = Azimuth Angle measured clockwise from North to direction wave is from. D(F,A) = (1/PI)*((1/2)+R1*COS(A-A1)+R2*COS(2*(A-A2))), in which R1 and R2 are dimensionless and A1 and A2 are respectively mean and principal wave directions. In terms of Longuet-Higgins Fourier Coefficients R1 = (SQRT(A1*A1+B1*B1))/A0, R2 = (SQRT(A2*A2+B2*B2))/A0, A1 = ARCTAN(B1,A1), A2 = (1/2)ARCTAN(B2,A2) + 0 or PI. C11S(M*M/HZ) = (C22+C33)/(K*K) in which K, the propagation constant, is the solution to W*W = G*K*TANH(K*D), in which W = 2*PI*F, G = 9.806 M/(SEC*SEC), and D is mean water depth in meters.

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
CONTINUOUS WIND MEASUREMENT					
FIELD TYPE	1	3	Bytes	I3	Always "191"
FILE DATE	4	6	Bytes	3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1	Byte	A1	Always "9"
STATION NUMBER	11	6	Bytes	A6	See Record '1'
REPORT DATE	17	6	Bytes	3I2	Year, Month, Day (UTC)
REPORT TIME	23	4	Bytes	2I2	Hour, Minutes (UTC)
SPEED AVERAGING METHOD	27	1	Byte	I1	1=Vector, 2=Scalar
STANDARD DEVIATION OF HOURLY SPEED	28	3	Bytes	I3	M/S to Tenths
STANDARD DEVIATION OF HOURLY DIRECTION[1]	31	4	Bytes	I4	Whole Degrees
HOURLY PEAK WIND	35	3	Bytes	I3	M/S to Tenths
DIRECTION OF HOURLY PEAK	38	3	Bytes	I3	Whole Degrees
MINUTE OF HOURLY PEAK	41	2	Bytes	I2	Minutes (UTC)
END OF ACQUISITION TIME	43	4	Bytes	2I2	Hour, Minutes (UTC)
FIRST AVERAGE DIRECTION[2]	47	3	Bytes	I3	Whole Degrees
FIRST AVERAGE SPEED	50	3	Bytes	I3	M/S to Tenths
SECOND AVERAGE DIRECTION	53	3	Bytes	I3	Whole Degrees
SECOND AVERAGE SPEED	56	3	Bytes	I3	M/S to Tenths
THIRD AVERAGE DIRECTION	59	3	Bytes	I3	Whole Degrees
THIRD AVERAGE SPEED	62	3	Bytes	I3	M/S to Tenths
FOURTH AVERAGE DIRECTION	65	3	Bytes	I3	Whole Degrees
FOURTH AVERAGE SPEED	68	3	Bytes	I3	M/S to Tenths
FIFTH AVERAGE DIRECTION	71	3	Bytes	I3	Whole Degrees
FIFTH AVERAGE SPEED	74	3	Bytes	I3	M/S to Tenths
SIXTH AVERAGE DIRECTION	77	3	Bytes	I3	Whole Degrees
SIXTH AVERAGE SPEED	80	3	Bytes	I3	M/S to Tenths

RECORD FORMAT DESCRIPTION

RECORD NAME _____

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

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
9000283	F291	BR9761	9999	313B	317F	1990/10/01	SAUF1	194131
9000283	F291	BR9762	9999	313B	317F	1990/10/01	SBIO1	194132
9000283	F291	BR9763	9999	313B	317F	1990/10/01	SGNW3	194133
9000283	F291	BR9764	9999	313B	317F	1990/10/01	SISW1	194134
9000283	F291	BR9765	9999	313B	317F	1990/10/01	SMKF1	194135
9000283	F291	BR9766	9999	313B	317F	1990/10/01	SPGF1	194136
9000283	F291	BR9767	9999	313B	317F	1990/10/01	SRST2	194137
9000283	F291	BR9768	9999	313B	317F	1990/10/01	STDM4	194138
9000283	F291	BR9769	9999	313B	317F	1990/10/01	SVLS1	194139
9000283	F291	BR9770	9999	313B	317F	1990/10/01	TPLM2	194140
9000283	F291	BR9771	9999	313B	317F	1990/10/05	TTIW1	194141
9000283	F291	BR9772	9999	313B	317F	1990/10/01	UJAP2	194142
9000283	F291	BR9773	9999	313B	317F	1990/10/01	VENF1	194143
9000283	F291	BR9774	9999	313B	317F	1990/10/01	WPOW1	194144
9000283	F291	BR9671	9999	313B	317F	1990/10/01	41001	194041
9000283	F291	BR9672	9999	313B	317F	1990/10/01	41002	194042
9000283	F291	BR9673	9999	313B	317F	1990/10/01	41006	194043
9000283	F291	BR9674	9999	313B	317F	1990/10/01	41008	194044
9000283	F291	BR9675	9999	313B	317F	1990/10/01	41009	194045
9000283	F291	BR9676	9999	313B	317F	1990/10/01	41010	194046
9000283	F291	BR9677	9999	313B	317F	1990/10/01	42001	194047
9000283	F291	BR9678	9999	313B	317F	1990/10/01	42002	194048
9000283	F291	BR9679	9999	313B	317F	1990/10/01	42003	194049
9000283	F291	BR9680	9999	313B	317F	1990/10/01	42007	194050
9000283	F291	BR9681	9999	313B	317F	1990/10/01	42019	194051
9000283	F291	BR9682	9999	313B	317F	1990/10/01	42020	194052
9000283	F291	BR9683	9999	313B	317F	1990/10/01	44001	194053
9000283	F291	BR9684	9999	313B	317F	1990/10/01	44004	194054
9000283	F291	BR9685	9999	313B	317F	1990/10/01	44005	194055
9000283	F291	BR9686	9999	313B	317F	1990/10/01	44007	194056
9000283	F291	BR9687	9999	313B	317F	1990/10/01	44008	194057
9000283	F291	BR9688	9999	313B	317F	1990/10/01	44009	194058
9000283	F291	BR9689	9999	313B	317F	1990/10/01	44011	194059
9000283	F291	BR9690	9999	313B	317F	1990/10/01	44012	194060
9000283	F291	BR9691	9999	313B	317F	1990/10/01	44013	194061
9000283	F291	BR9692	9999	313B	317F	1990/10/01	44014	194062
9000283	F291	BR9693	9999	313B	317F	1990/10/01	44015	194063
9000283	F291	BR9694	9999	313B	317F	1990/10/01	45001	194064
9000283	F291	BR9695	9999	313B	317F	1990/10/01	45002	194065
9000283	F291	BR9696	9999	313B	317F	1990/10/01	45003	194066
9000283	F291	BR9697	9999	313B	317F	1990/10/01	45004	194067
9000283	F291	BR9698	9999	313B	317F	1990/10/01	45005	194068
9000283	F291	BR9699	9999	313B	317F	1990/10/01	45006	194069
9000283	F291	BR9700	9999	313B	317F	1990/10/01	45007	194070
9000283	F291	BR9701	9999	313B	317F	1990/10/01	45008	194071
9000283	F291	BR9702	9999	313B	317F	1990/10/01	46001	194072
9000283	F291	BR9703	9999	313B	317F	1990/10/01	46002	194073
9000283	F291	BR9704	9999	313B	317F	1990/10/01	46003	194074
9000283	F291	BR9705	9999	313B	317F	1990/10/01	46006	194075
9000283	F291	BR9706	9999	313B	317F	1990/10/01	46010	194076
9000283	F291	BR9707	9999	313B	317F	1990/10/01	46011	194077
9000283	F291	BR9708	9999	313B	317F	1990/10/01	46012	194078
9000283	F291	BR9709	9999	313B	317F	1990/10/01	46013	194079
9000283	F291	BR9710	9999	313B	317F	1990/10/01	46014	194080
9000283	F291	BR9711	9999	313B	317F	1990/10/01	46022	194081
9000283	F291	BR9712	9999	313B	317F	1990/10/01	46023	194082

9000283	F291	BR9713	9999	313B	317F	1990/10/01	46025	194083
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9000283	F291	BR9715	9999	313B	317F	1990/10/01	46027	194085
9000283	F291	BR9716	9999	313B	317F	1990/10/01	46028	194086
9000283	F291	BR9717	9999	313B	317F	1990/10/01	46030	194087
9000283	F291	BR9718	9999	313B	317F	1990/10/01	46035	194088
9000283	F291	BR9719	9999	313B	317F	1990/10/01	46040	194089
9000283	F291	BR9720	9999	313B	317F	1990/10/01	46041	194090
9000283	F291	BR9721	9999	313B	317F	1990/10/01	46042	194091
9000283	F291	BR9722	9999	313B	317F	1990/10/01	51001	194092
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9000283	F291	BR9725	9999	313B	317F	1990/10/01	51004	194095
9000283	F291	BR9726	9999	313B	317F	1990/10/01	52009	194096
9000283	F291	BR9727	9999	313B	317F	1990/10/01	ALSN6	194097
9000283	F291	BR9728	9999	313B	317F	1990/10/01	BURL1	194098
9000283	F291	BR9729	9999	313B	317F	1990/10/10	BUZM3	194099
9000283	F291	BR9730	9999	313B	317F	1990/10/01	CARO3	194100
9000283	F291	BR9731	9999	313B	317F	1990/10/01	CHLV2	194101
9000283	F291	BR9732	9999	313B	317F	1990/10/01	CLKN7	194102
9000283	F291	BR9733	9999	313B	317F	1990/10/01	CSBF1	194103
9000283	F291	BR9734	9999	313B	317F	1990/10/01	DBLN6	194104
9000283	F291	BR9735	9999	313B	317F	1990/10/01	DESW1	194105
9000283	F291	BR9736	9999	313B	317F	1990/10/01	DISW3	194106
9000283	F291	BR9737	9999	313B	317F	1990/10/01	DPIA1	194107
9000283	F291	BR9738	9999	313B	317F	1990/10/01	DSLN7	194108
9000283	F291	BR9739	9999	313B	317F	1990/10/01	ENIP2	194109
9000283	F291	BR9740	9999	313B	317F	1990/10/01	FARP2	194110
9000283	F291	BR9741	9999	313B	317F	1990/10/01	FBIS1	194111
9000283	F291	BR9742	9999	313B	317F	1990/10/01	FFIA2	194112
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9000283	F291	BR9744	9999	313B	317F	1990/10/01	GBCL1	194114
9000283	F291	BR9745	9999	313B	317F	1990/10/01	GDIL1	194115
9000283	F291	BR9746	9999	313B	317F	1990/10/01	GLLN6	194116
9000283	F291	BR9747	9999	313B	317F	1990/10/01	IOSN3	194117
9000283	F291	BR9748	9999	313B	317F	1990/10/01	KOSP2	194118
9000283	F291	BR9749	9999	313B	317F	1990/10/01	LKWF1	194119
9000283	F291	BR9750	9999	313B	317F	1990/10/01	MDRM1	194120
9000283	F291	BR9751	9999	313B	317F	1990/10/01	MISM1	194121
9000283	F291	BR9752	9999	313B	317F	1990/10/01	MLRF1	194122
9000283	F291	BR9753	9999	313B	317F	1990/10/01	MPCL1	194123
9000283	F291	BR9754	9999	313B	317F	1990/10/01	NWPO3	194124
9000283	F291	BR9755	9999	313B	317F	1990/10/01	PAGP2	194125
9000283	F291	BR9756	9999	313B	317F	1990/10/01	PILM4	194126
9000283	F291	BR9757	9999	313B	317F	1990/10/01	PTAC1	194127
9000283	F291	BR9758	9999	313B	317F	1990/10/01	PTAT2	194128
9000283	F291	BR9759	9999	313B	317F	1990/10/01	PTGC1	194129
9000283	F291	BR9760	9999	313B	317F	1990/10/01	ROAM4	194130

(104 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
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9000283	F291	BR9762	317F	1	1414	90/10/01	90/10/30
9000283	F291	BR9763	317F	1	1432	90/10/01	90/10/31
9000283	F291	BR9764	317F	1	1484	90/10/01	90/10/31
9000283	F291	BR9765	317F	1	1476	90/10/01	90/10/31
9000283	F291	BR9766	317F	1	2222	90/10/01	90/10/31
9000283	F291	BR9767	317F	1	2229	90/10/01	90/10/31
9000283	F291	BR9768	317F	1	1484	90/10/01	90/10/31
9000283	F291	BR9769	317F	1	7797	90/10/01	90/10/31
9000283	F291	BR9770	317F	1	2209	90/10/01	90/10/31
9000283	F291	BR9771	317F	1	1252	90/10/05	90/10/31
9000283	F291	BR9772	317F	1	1470	90/10/01	90/10/31
9000283	F291	BR9773	317F	1	2225	90/10/01	90/10/31
9000283	F291	BR9774	317F	1	1379	90/10/01	90/10/31
9000283	F291	BR9671	317F	1	8140	90/10/01	90/10/31
9000283	F291	BR9672	317F	1	1478	90/10/01	90/10/31
9000283	F291	BR9673	317F	1	8143	90/10/01	90/10/31
9000283	F291	BR9674	317F	1	44611	90/10/01	90/10/31
9000283	F291	BR9675	317F	1	14728	90/10/01	90/10/31
9000283	F291	BR9676	317F	1	14718	90/10/01	90/10/31
9000283	F291	BR9677	317F	1	8099	90/10/01	90/10/31
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9000283	F291	BR9679	317F	1	8116	90/10/01	90/10/31
9000283	F291	BR9680	317F	1	2226	90/10/01	90/10/31
9000283	F291	BR9681	317F	1	7410	90/10/01	90/10/31
9000283	F291	BR9682	317F	1	3802	90/10/01	90/10/16
9000283	F291	BR9683	317F	1	17536	90/10/01	90/10/31
9000283	F291	BR9684	317F	1	8116	90/10/01	90/10/31
9000283	F291	BR9685	317F	1	8142	90/10/01	90/10/31
9000283	F291	BR9686	317F	1	7388	90/10/01	90/10/31
9000283	F291	BR9687	317F	1	8110	90/10/01	90/10/31
9000283	F291	BR9688	317F	1	7404	90/10/01	90/10/31
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9000283	F291	BR9690	317F	1	6674	90/10/01	90/10/30
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9000283	F291	BR9693	317F	1	44906	90/10/01	90/10/31
9000283	F291	BR9694	317F	1	7308	90/10/01	90/10/31
9000283	F291	BR9695	317F	1	8846	90/10/01	90/10/31
9000283	F291	BR9696	317F	1	8884	90/10/01	90/10/31
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9000283	F291	BR9699	317F	1	7420	90/10/01	90/10/31
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9000283	F291	BR9702	317F	1	8123	90/10/01	90/10/31
9000283	F291	BR9703	317F	1	7394	90/10/01	90/10/31
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9000283	F291	BR9708	317F	1	8880	90/10/01	90/10/31
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9000283	F291	BR9710	317F	1	8856	90/10/01	90/10/31
9000283	F291	BR9711	317F	1	8874	90/10/01	90/10/31
9000283	F291	BR9712	317F	1	8904	90/10/01	90/10/31

9000283	F291	BR9713	317F	1	7984	90/10/01	90/10/31
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9000283	F291	BR9715	317F	1	7346	90/10/01	90/10/31
9000283	F291	BR9716	317F	1	8894	90/10/01	90/10/31
9000283	F291	BR9717	317F	1	7072	90/10/01	90/10/31
9000283	F291	BR9718	317F	1	8109	90/10/01	90/10/31
9000283	F291	BR9719	317F	1	7348	90/10/01	90/10/31
9000283	F291	BR9720	317F	1	7388	90/10/01	90/10/31
9000283	F291	BR9721	317F	1	45203	90/10/01	90/10/31
9000283	F291	BR9722	317F	1	8846	90/10/01	90/10/31
9000283	F291	BR9723	317F	1	7234	90/10/06	90/10/31
9000283	F291	BR9724	317F	1	8776	90/10/01	90/10/31
9000283	F291	BR9725	317F	1	8842	90/10/01	90/10/31
9000283	F291	BR9726	317F	1	43344	90/10/01	90/10/31
9000283	F291	BR9727	317F	1	6994	90/10/01	90/10/31
9000283	F291	BR9728	317F	1	2226	90/10/01	90/10/31
9000283	F291	BR9729	317F	1	5074	90/10/10	90/10/31
9000283	F291	BR9730	317F	1	1484	90/10/01	90/10/31
9000283	F291	BR9731	317F	1	7446	90/10/01	90/10/31
9000283	F291	BR9732	317F	1	2226	90/10/01	90/10/31
9000283	F291	BR9733	317F	1	1981	90/10/01	90/10/31
9000283	F291	BR9734	317F	1	1416	90/10/01	90/10/31
9000283	F291	BR9735	317F	1	1484	90/10/01	90/10/31
9000283	F291	BR9736	317F	1	1480	90/10/01	90/10/31
9000283	F291	BR9737	317F	1	1416	90/10/01	90/10/31
9000283	F291	BR9738	317F	1	7892	90/10/01	90/10/31
9000283	F291	BR9739	317F	1	1474	90/10/01	90/10/31
9000283	F291	BR9740	317F	1	1474	90/10/01	90/10/31
9000283	F291	BR9741	317F	1	1482	90/10/01	90/10/31
9000283	F291	BR9742	317F	1	1482	90/10/01	90/10/31
9000283	F291	BR9743	317F	1	2226	90/10/01	90/10/31
9000283	F291	BR9744	317F	1	8108	90/10/01	90/10/31
9000283	F291	BR9745	317F	1	2223	90/10/01	90/10/31
9000283	F291	BR9746	317F	1	1478	90/10/01	90/10/31
9000283	F291	BR9747	317F	1	1482	90/10/01	90/10/31
9000283	F291	BR9748	317F	1	1482	90/10/01	90/10/31
9000283	F291	BR9749	317F	1	2151	90/10/01	90/10/31
9000283	F291	BR9750	317F	1	1482	90/10/01	90/10/31
9000283	F291	BR9751	317F	1	1482	90/10/01	90/10/31
9000283	F291	BR9752	317F	1	1304	90/10/01	90/10/31
9000283	F291	BR9753	317F	1	7899	90/10/01	90/10/31
9000283	F291	BR9754	317F	1	1484	90/10/01	90/10/31
9000283	F291	BR9755	317F	1	1442	90/10/01	90/10/31
9000283	F291	BR9756	317F	1	1484	90/10/01	90/10/31
9000283	F291	BR9757	317F	1	1486	90/10/01	90/10/31
9000283	F291	BR9758	317F	1	2222	90/10/01	90/10/31
9000283	F291	BR9759	317F	1	1486	90/10/01	90/10/31
9000283	F291	BR9760	317F	1	1480	90/10/01	90/10/31

(104 rows affected)