ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
9100085	BS0198	F191		313B	317F	32302	03/15/91	03/31/91	1	3,792
9100085	BS0199	F191		313B	317F	41002	03/01/91	03/31/91	1	8,928
9100085	BS0200	F191		313B	317F	41008	03/01/91	03/31/91	1	45,205
9100085	BS0201	F191		313B	317F	41009	03/01/91	03/31/91	1	14,838
9100085	BS0202	F191		313B	317F	41010	03/01/91	03/31/91	1	14,836
9100085	BS0203	F191		313B	317F	42001	03/01/91	03/31/91	1	8,176
9100085	BS0204	F191		313B	317F	42002	03/01/91	03/31/91	1	8,031
9100085	BS0205	F191		313B	317F	42003	03/01/91	03/31/91	1	7,437
9100085	BS0206	F191		313B	317F	42007	03/05/91	03/31/91	1	1,828
9100085	BS0207	F191		313B	317F	42019	03/01/91	03/31/91	1	7,432
9100085	BS0208	F191		313B	317F	42020	03/01/91	03/31/91	1	7,422
9100085	BS0209	F191		313B	317F	44001	03/01/91	03/31/91	1	45,028
9100085	BS0210	F191		313B	317F	44004	03/01/91	03/31/91	1	8,159
9100085	BS0211	F191		313B	317F	44005	03/01/91	03/31/91	1	8,125
9100085	BS0212	F191		313B	317F	44007	03/01/91	03/31/91	1	7,396
9100085	BS0213	F191		313B	317F	44008	03/01/91	03/31/91	1	7,291
9100085	BS0214	F191		313B	317F	44009	03/01/91	03/31/91	1	7,394
9100085	BS0215	F191		313B	317F	44011	03/01/91	03/31/91	1	7,896
9100085	BS0216	F191		313B	317F	44012	03/01/91	03/31/91	1	7,414
9100085	BS0217	F191		313B	317F	44013	03/01/91	03/31/91	1	7,430
9100085	BS0218	F191		313B	317F	44014	03/01/91	03/31/91	1	45,325
9100085	BS0219	F191		313B	317F	44015	03/01/91	03/31/91	1	43,531
9100085	BS0220	F191		313B	317F	44023	03/01/91	03/31/91	1	43,850
9100085	BS0221	F191		313B	317F	45002	03/01/91	03/31/91	1	8,794
9100085	BS0222	F191		313B	317F	45004	03/01/91	03/31/91	1	7,702
9100085	BS0223	F191		313B	317F	46001	03/01/91	03/28/91	1	6,615
9100085	BS0224	F191		313B	317F	46002	03/01/91	03/31/91	1	8,164
9100085	BS0225	F191		313B	317F	46003	03/01/91	03/31/91	1	8,172
9100085	BS0226	F191		313B	317F	46005	03/01/91	03/31/91	1	8,145
9100085	BS0227	F191		313B	317F	46010	03/01/91	03/31/91	1	7,416
9100085	BS0228	F191		313B	317F	46011	03/01/91	03/31/91	1	7,234
9100085	BS0229	F191		313B	317F	46012	03/01/91	03/31/91	1	8,886
9100085	BS0230	F191		313B	317F	46013	03/01/91	03/31/91	1	8,874
9100085	BS0231	F191		313B	317F	46014	03/01/91	03/31/91	1	8,872
9100085	BS0232	F191		313B	317F	46022	03/01/91	03/31/91	1	7,348
9100085	BS0233	F191		313B	317F	46023	03/01/91	03/31/91	1	8,916
9100085	BS0234	F191		313B	317F	46025	03/01/91	03/31/91	1	10,775
9100085	BS0235	F191		313B	317F	46026	03/01/91	03/31/91	1	7,414
9100085	BS0236	F191		313B	317F	46027	03/01/91	03/31/91	1	7,192
9100085	BS0237	F191		313B	317F	46028	03/01/91	03/31/91	1	5,568
9100085	BS0238	F191		313B	317F	46030	03/01/91	03/31/91	1	5,234
9100085	BS0239	F191		313B	317F	46035	03/01/91	03/31/91	1	8,061
9100085	BS0240	F191		313B	317F	46040	03/26/91	03/31/91	1	1,314
9100085	BS0241	F191		313B	317F	46041	03/01/91	03/31/91	1	7,432
9100085	BS0242	F191		313B	317F	46042	03/01/91	03/31/91	1	45,205
9100085	BS0243	F191		313B	317F	46045	03/01/91	03/31/91	1	39,517
9100085	BS0244	F191		313B	317F	51001	03/01/91	03/31/91	1	8,894
9100085	BS0245	F191		313B	317F	51002	03/01/91	03/31/91	1	8,876
9100085	BS0246	F191		313B	317F	51003	03/01/91	03/20/91	1	5,594
9100085	BS0247	F191		313B	317F	51004	03/01/91	03/31/91	1	8,934

[redacted]00085	BS0248	F191	313B	317F	ALSN6	03/05/91	03/31/91	1	5,644
9100085	BS0249	F191	313B	317F	BURL1	03/01/91	03/31/91	1	2,232
9100085	BS0250	F191	313B	317F	BUSL1	03/01/91	03/31/91	1	1,454
9100085	BS0251	F191	313B	317F	BUZM3	03/01/91	03/31/91	1	1,486
9100085	BS0252	F191	313B	317F	CARO3	03/01/91	03/31/91	1	1,482
9100085	BS0253	F191	313B	317F	CHLV2	03/01/91	03/31/91	1	7,956
9100085	BS0254	F191	313B	317F	CLKN7	03/01/91	03/31/91	1	2,226
9100085	BS0255	F191	313B	317F	CSBF1	03/01/91	03/31/91	1	2,065
9100085	BS0256	F191	313B	317F	DBLN6	03/01/91	03/31/91	1	1,480
9100085	BS0257	F191	313B	317F	DESW1	03/01/91	03/31/91	1	1,488
9100085	BS0258	F191	313B	317F	DISW3	03/01/91	03/31/91	1	1,486
9100085	BS0259	F191	313B	317F	DPIA1	03/01/91	03/31/91	1	1,488
9100085	BS0260	F191	313B	317F	DSLN7	03/01/91	03/31/91	1	7,836
9100085	BS0261	F191	313B	317F	ENIP2	03/01/91	03/31/91	1	1,478
9100085	BS0262	F191	313B	317F	FBIS1	03/01/91	03/31/91	1	1,482
9100085	BS0263	F191	313B	317F	FFIA2	03/01/91	03/31/91	1	1,482
9100085	BS0264	F191	313B	317F	FPSN7	03/01/91	03/31/91	1	2,227
9100085	BS0265	F191	313B	317F	GBCL1	03/01/91	03/31/91	1	6,149
9100085	BS0266	F191	313B	317F	GDIL1	03/01/91	03/31/91	1	2,229
9100085	BS0267	F191	313B	317F	GLLN6	03/01/91	03/31/91	1	1,460
9100085	BS0268	F191	313B	317F	IOSN3	03/01/91	03/31/91	1	1,424
9100085	BS0269	F191	313B	317F	KOSP2	03/01/91	03/31/91	1	1,486
9100085	BS0270	F191	313B	317F	LKWF1	03/01/91	03/31/91	1	2,223
9100085	BS0271	F191	313B	317F	MDRM1	03/01/91	03/31/91	1	1,482
9100085	BS0272	F191	313B	317F	MISM1	03/01/91	03/31/91	1	1,370
9100085	BS0273	F191	313B	317F	MLIP2	03/01/91	03/31/91	1	1,482
[redacted]100085	BS0274	F191	313B	317F	MLRF1	03/01/91	03/31/91	1	1,488
[redacted]100085	BS0275	F191	313B	317F	MPCL1	03/01/91	03/31/91	1	6,763
9100085	BS0276	F191	313B	317F	NWPO3	03/01/91	03/31/91	1	1,486
9100085	BS0277	F191	313B	317F	PAGP2	03/01/91	03/31/91	1	1,480
9100085	BS0278	F191	313B	317F	PILM4	03/01/91	03/31/91	1	1,384
9100085	BS0279	F191	313B	317F	PTAC1	03/01/91	03/31/91	1	1,484
9100085	BS0280	F191	313B	317F	PTAT2	03/01/91	03/31/91	1	1,957
9100085	BS0281	F191	313B	317F	PTGC1	03/01/91	03/31/91	1	1,480
9100085	BS0282	F191	313B	317F	ROAM4	03/01/91	03/31/91	1	1,338
9100085	BS0283	F191	313B	317F	SANF1	03/01/91	03/31/91	1	2,225
9100085	BS0284	F191	313B	317F	SAUF1	03/01/91	03/31/91	1	2,226
9100085	BS0285	F191	313B	317F	SBIO1	03/01/91	03/31/91	1	1,482
9100085	BS0286	F191	313B	317F	SGNW3	03/01/91	03/31/91	1	1,486
9100085	BS0287	F191	313B	317F	SISW1	03/01/91	03/31/91	1	1,484
9100085	BS0288	F191	313B	317F	SMKF1	03/01/91	03/31/91	1	1,474
9100085	BS0289	F191	313B	317F	SPGF1	03/01/91	03/31/91	1	2,223
9100085	BS0290	F191	313B	317F	SRST2	03/01/91	03/31/91	1	2,159
9100085	BS0291	F191	313B	317F	STDM4	03/01/91	03/31/91	1	1,460
9100085	BS0292	F191	313B	317F	SVLS1	03/01/91	03/31/91	1	7,276
9100085	BS0293	F191	313B	317F	TPLM2	03/01/91	03/31/91	1	2,227
9100085	BS0294	F191	313B	317F	TTIW1	03/01/91	03/31/91	1	1,486
9100085	BS0295	F191	313B	317F	UJAP2	03/01/91	03/31/91	1	1,488
9100085	BS0296	F191	313B	317F	VENF1	03/01/91	03/31/91	1	2,231
9100085	BS0297	F191	313B	317F	WPOW1	03/01/91	03/31/91	1	1,494

08/30/91

TO: E/OC12 - Douglas Hamilton

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

Wind/Wave Spectra (F191)

Acc: 9100085 Ref: BS0198 - BS0213 16 sta. 203,924 rec.

NOAA-NDBC

(March 1991)

Wind/Wave Spectra (F191)

Acc: 9100085 Ref: BS0214 - BS0228 15 sta. 225,082 rec.

NOAA-NDBC

(March 1991)

Wind/Wave Spectra (F191)

Acc: 9100085 Ref: BS0229 - BS0247 19 sta. 212,906 rec.

NOAA-NDBC

(March 1991)

Wind/Wave Spectra (F191)

Acc: 9100085 Ref: BS0248 - BS0297 50 sta. 115,578 rec.

NOAA-NDBC

(March 1991)

757,490 records

ACCESSION NO. 9100085 FILETYPE F191 TRACK NO. BS0198-213 PROJECT IDENTIFICATION

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-6-91	CMH	A01418 *	1	120	4080	203898
DUPLICATE TAPE	7-30-91	FJM	W01579 **	1	120	4800	203924
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.

D191P

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 9100085 FILETYPE F191 TRACK NO. BSØ214-228 PROJECT IDENTIFICATION

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-6-91	CMH	AØ1419 *	1	120	4080	225080
DUPLICATE TAPE	8-5-91	FJM	WØ1580 **	1	120	4800	225,082
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. 9100085 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

B50229 – 247

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-6-91	C.M.H	A01420 *	1	120	4080	[redacted] 212,908
DUPLICATE TAPE	8-26-91	F.J.M.	W02729 **	1	120	4800	212,906
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, 1600 B.P.I.

D191P

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 9100085 FILETYPE F191 TRACK NO. _____ PROJECT IDENTIFICATION _____

BS0248-297

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-6-91	C.M.H.	A01421 *	1	120	4080	115600
DUPLICATE TAPE	8-28-91	F.J.M.	W02796 **	1	120	4800	115,578
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.)

). 9100085 FILETYPE F191 TRACK NO. PROJECT IDENTIFICATION

9100085

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
	05/06/91	CMH	AØ1418	1	120	4080	203,898
APE		CMH	AØ1419	1	120	4080	225,080
TAPE		CMH	AØ142Ø	1	120	4080	212,908
DISK		CMH	AØ1421	1	120	4080	115,600
EK							
EK							
E2							
MALIZED							

ORTED TO PRINCIPAL INVESTIGATOR: All tapes are 9TRK, NL, 1600bpi, Ascii

765.486

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

(TRACKS DELETED, FIELDS DELETED, ETC.)

REQUEST FOR ADP SERVICES

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hadley	673-5436	EG12008A3HH9	05/03/91	ASAP

PART A

Request/Problem Category

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

Request/Problem Description:

Please scan tape A01418

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 A01418 to Bin 09

JOB INPUT

Id#/Filename: A01418

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

JOB OUTPUT

Id#/Filename: _____

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

(OC3 Use Only)
JOB Number: 91050304 QA
Completed By:

Date/Time Start 5-6-91/08:25
Date/Time Completed: 5-6-91/08:30

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hadley	673-5436	EG1200813AH49	05/03/91	ASAP

PART A

Request/Problem Category

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

Request/Problem Description:

Please scan tape A01419

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 A01419 to Bin 09

JOB INPUT

Id#/Filename: A01419

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

JOB OUTPUT

Id#/Filename: _____

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

(OC3 Use Only)
JOB Number: 91050305
Completed By: gs

Date/Time Start: 5-6-91/08:35
Date/Time Completed: 5-6-91/08:45

REQUEST FOR ADP SERVICES

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hadley	673-5436	EG1200813HH8	05/03/91	ASAP

PART A

Request/Problem Category

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

Request/Problem Description:

Please scan tape A01420

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 A01420 to Bin 09

JOB INPUT Id#/Filename: A01420

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

JOB OUTPUT Id#/Filename: _____

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

(OC3 Use Only)
JOB Number: 91050306
Completed By: JS
Date/Time Start: 5-6-91/08:50
Date/Time Completed: 5-6-91/09:00

REQUEST FOR ADP SERVICES

User Name	Phone #	Org/Task	Submit Date	Due Date
Cliff Hadley	673-5436	EG12008A3HH9	05/03/91	ASAP

PART A

Request/Problem Category

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

Request/Problem Description:

Please scan tape A01421

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 A01421 to Bin 09

JOB INPUT Id#/Filename: A01421

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

JOB OUTPUT Id#/Filename: _____

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

(OC3 Use Only)
JOB Number: 91050307
Completed By: JS

Date/Time Start: 5-6-91/09:05
Date/Time Completed: 5-6-91/09:15

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

April 29, 1991

F1804-02
DB3:91-0202
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 March 1991, 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.

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

Sincerely,

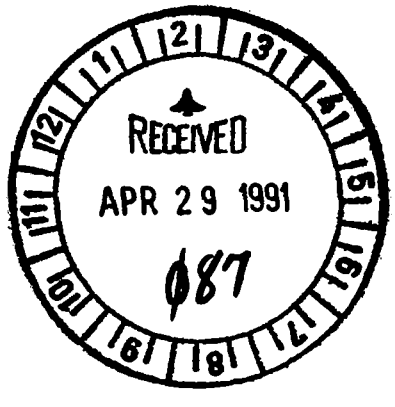
Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Acc# 91008S

Enclosures

A01418
A01419
A01420
A01421



Attachment

	32302	03159114-03319123
Tape 1:	41002	03019100-03319123
	41008	03019100-03319123
	41009	03019100-03319123
	41010	03019100-03319123
	42001	03019100-03319123
	42002	03019100-03319123
	42003	03019100-03319123
	42007	03059118-03319123
	42019	03019100-03319123
	42020	03019100-03319123
	44001	03019100-03319123
	44004	03019100-03319123
	44005	03019100-03319123
	44007	03019100-03319123
	44008	03019100-03319123
Tape 2:	44009	03019100-03319123
	44011	03019100-03319123
	44012	03019100-03319123
	44013	03019100-03319123
	44014	03019100-03319123
	44015	03019100-03319123
	44023	03019100-03319123
	45002	03019100-03319123
	45004	03019100-03319123
	46001	03019100-03289103
	46002	03019100-03319123
	46003	03019100-03319123
	46005	03019100-03319123
	46010	03019100-03319123
	46011	03019100-03319123
Tape 3	46012	03019100-03319123
	46013	03019100-03319123
	46014	03019100-03319123
	46022	03019100-03319123
	46023	03019100-03319123
	46025	03019100-03319123
	46026	03019100-03319123
	46027	03019100-03319123
	46028	03019100-03319123
	46030	03019100-03319123
	46035	03019100-03319123
	46040	03269111-03319123
	46041	03019100-03319123
	46042	03019100-03319123
	46045	03019100-03319123

16

15

15

	51001	03019100-03319123
	51002	03019100-03319123
	51003	03019100-03209112
	51004	03019100-03319123
Tape 4	ALSN6	03059100-03319123
	BURL1	03019100-03319123
	BUSL1	03019100-03319123
	BUZM3	03019100-03319123
	CARO3	03019100-03319123
	CHLV2	03019100-03319123
	CLKN7	03019100-03319123
	CSBF1	03019100-03319123
	DBLN6	03019100-03319123
	DESW1	03019100-03319123
	DISW3	03019100-03319123
	DPIA1	03019100-03319123
	DSLN7	03019100-03319123
	ENIP2	03019100-03319123
	FBIS1	03019100-03319123
	FFIA2	03019100-03319123
	FPSN7	03019100-03319123
	GBCL1	03019100-03319123
	GDIL1	03019100-03319123
	GLLN6	03019100-03319123
	IOSN3	03019100-03319123
	KOSP2	03019100-03319123
	LKWF1	03019100-03319123
	MDRM1	03019100-03319123
	MISM1	03019100-03319123
	MLIP2	03019100-03319123
	MLRF1	03019100-03319123
	MPCL1	03019100-03319123
	NWPO3	03019100-03319123
	PAGP2	03019100-03319123
	PILM4	03019100-03319123
	PTAC1	03019100-03319123
	PTAT2	03019100-03319123
	PTGC1	03019100-03319123
	ROAM4	03019100-03319123
	SANF1	03019100-03319123
	SAUF1	03019100-03319123
	SBIO1	03019100-03319123
	SGNW3	03019100-03319123
	SISW1	03019100-03319123
	SMKF1	03019100-03319123
	SPGF1	03019100-03319123
	SRST2	03019100-03319123
	STDM4	03019100-03319123
	SVLS1	03019100-03319123
	TPLM2	03019100-03319123
	TTIW1	03019100-03319123
	UJAP2	03019100-03319123
	VENF1	03019100-03319123

WPOW1 03019100-03319123

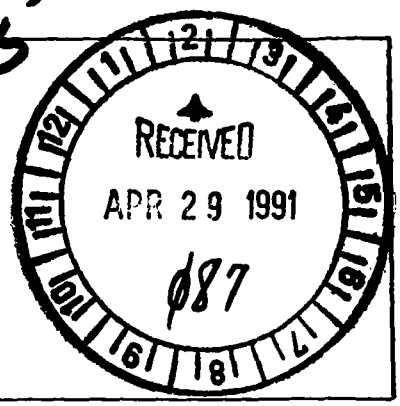
COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

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

91-0085



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

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

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

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

7. PARITY
☒ ODD
☐ EVEN

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

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

10. END OF FILE MARK
☒ OCTAL 17
☐ _____

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

12. PHYSICAL BLOCK LENGTH IN BYTES
4080

13. LENGTH OF BYTES IN BITS
8

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

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

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

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

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
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	

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
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

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	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.

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
9100085	F291	BS0274	9999	313B	317F	1991/03/01	MLRF1	198057
9100085	F291	BS0275	9999	313B	317F	1991/03/01	MPCL1	198058
9100085	F291	BS0276	9999	313B	317F	1991/03/01	NWPO3	198059
9100085	F291	BS0277	9999	313B	317F	1991/03/01	PAGP2	198060
9100085	F291	BS0278	9999	313B	317F	1991/03/01	PILM4	198061
9100085	F291	BS0279	9999	313B	317F	1991/03/01	PTAC1	198062
9100085	F291	BS0280	9999	313B	317F	1991/03/01	PTAT2	198063
9100085	F291	BS0281	9999	313B	317F	1991/03/01	PTGC1	198064
9100085	F291	BS0282	9999	313B	317F	1991/03/01	ROAM4	198065
9100085	F291	BS0283	9999	313B	317F	1991/03/01	SANF1	198066
9100085	F291	BS0284	9999	313B	317F	1991/03/01	SAUF1	198067
9100085	F291	BS0285	9999	313B	317F	1991/03/01	SBIO1	198068
9100085	F291	BS0286	9999	313B	317F	1991/03/01	SGNW3	198069
9100085	F291	BS0287	9999	313B	317F	1991/03/01	SISW1	198070
9100085	F291	BS0288	9999	313B	317F	1991/03/01	SMKF1	198071
9100085	F291	BS0289	9999	313B	317F	1991/03/01	SPGF1	198072
9100085	F291	BS0290	9999	313B	317F	1991/03/01	SRST2	198073
9100085	F291	BS0291	9999	313B	317F	1991/03/01	STDM4	198074
9100085	F291	BS0292	9999	313B	317F	1991/03/01	SVLS1	198075
9100085	F291	BS0293	9999	313B	317F	1991/03/01	TPLM2	198076
9100085	F291	BS0294	9999	313B	317F	1991/03/01	TTIW1	198077
9100085	F291	BS0295	9999	313B	317F	1991/03/01	UJAP2	198078
9100085	F291	BS0296	9999	313B	317F	1991/03/01	VENF1	198079
9100085	F291	BS0297	9999	313B	317F	1991/03/01	WPOW1	198080
9100085	F291	BS0198	9999	313B	317F	1991/03/15	32302	197981
9100085	F291	BS0199	9999	313B	317F	1991/03/01	41002	197982
9100085	F291	BS0200	9999	313B	317F	1991/03/01	41008	197983
9100085	F291	BS0201	9999	313B	317F	1991/03/01	41009	197984
9100085	F291	BS0202	9999	313B	317F	1991/03/01	41010	197985
9100085	F291	BS0203	9999	313B	317F	1991/03/01	42001	197986
9100085	F291	BS0204	9999	313B	317F	1991/03/01	42002	197987
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9100085	F291	BS0206	9999	313B	317F	1991/03/05	42007	197989
9100085	F291	BS0207	9999	313B	317F	1991/03/01	42019	197990
9100085	F291	BS0208	9999	313B	317F	1991/03/01	42020	197991
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9100085	F291	BS0214	9999	313B	317F	1991/03/01	44009	197997
9100085	F291	BS0215	9999	313B	317F	1991/03/01	44011	197998
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9100085	F291	BS0217	9999	313B	317F	1991/03/01	44013	198000
9100085	F291	BS0218	9999	313B	317F	1991/03/01	44014	198001
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9100085	F291	BS0233	9999	313B	317F	1991/03/01 46023	198016
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9100085	F291	BS0239	9999	313B	317F	1991/03/01 46035	198022
9100085	F291	BS0240	9999	313B	317F	1991/03/26 46040	198023
9100085	F291	BS0241	9999	313B	317F	1991/03/01 46041	198024
9100085	F291	BS0242	9999	313B	317F	1991/03/01 46042	198025
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9100085	F291	BS0244	9999	313B	317F	1991/03/01 51001	198027
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9100085	F291	BS0246	9999	313B	317F	1991/03/01 51003	198029
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9100085	F291	BS0248	9999	313B	317F	1991/03/05 ALSN6	198031
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9100085	F291	BS0250	9999	313B	317F	1991/03/01 BUSL1	198033
9100085	F291	BS0251	9999	313B	317F	1991/03/01 BUZM3	198034
9100085	F291	BS0252	9999	313B	317F	1991/03/01 CARO3	198035
9100085	F291	BS0253	9999	313B	317F	1991/03/01 CHLV2	198036
9100085	F291	BS0254	9999	313B	317F	1991/03/01 CLKN7	198037
9100085	F291	BS0255	9999	313B	317F	1991/03/01 CSBF1	198038
9100085	F291	BS0256	9999	313B	317F	1991/03/01 DBLN6	198039
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9100085	F291	BS0259	9999	313B	317F	1991/03/01 DPIA1	198042
9100085	F291	BS0260	9999	313B	317F	1991/03/01 DSLN7	198043
9100085	F291	BS0261	9999	313B	317F	1991/03/01 ENIP2	198044
9100085	F291	BS0262	9999	313B	317F	1991/03/01 FBIS1	198045
9100085	F291	BS0263	9999	313B	317F	1991/03/01 FFIA2	198046
9100085	F291	BS0264	9999	313B	317F	1991/03/01 FPSN7	198047
9100085	F291	BS0265	9999	313B	317F	1991/03/01 GBCL1	198048
9100085	F291	BS0266	9999	313B	317F	1991/03/01 GDIL1	198049
9100085	F291	BS0267	9999	313B	317F	1991/03/01 GLLN6	198050
9100085	F291	BS0268	9999	313B	317F	1991/03/01 IOSN3	198051
9100085	F291	BS0269	9999	313B	317F	1991/03/01 KOSP2	198052
9100085	F291	BS0270	9999	313B	317F	1991/03/01 LKWF1	198053
9100085	F291	BS0271	9999	313B	317F	1991/03/01 MDRM1	198054
9100085	F291	BS0272	9999	313B	317F	1991/03/01 MISM1	198055
9100085	F291	BS0273	9999	313B	317F	1991/03/01 MLIP2	198056

(100 rows affected)

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accNo	'fleA	refNo	ship	staCnt	recCnt	startDate	endDate
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9100085	F291	BS0276	317F	1	1486	91/03/01	91/03/31
9100085	F291	BS0277	317F	1	1480	91/03/01	91/03/31
9100085	F291	BS0278	317F	1	1384	91/03/01	91/03/31
9100085	F291	BS0279	317F	1	1484	91/03/01	91/03/31
9100085	F291	BS0280	317F	1	1957	91/03/01	91/03/31
9100085	F291	BS0281	317F	1	1480	91/03/01	91/03/31
9100085	F291	BS0282	317F	1	1338	91/03/01	91/03/31
9100085	F291	BS0283	317F	1	2225	91/03/01	91/03/31
9100085	F291	BS0284	317F	1	2226	91/03/01	91/03/31
9100085	F291	BS0285	317F	1	1482	91/03/01	91/03/31
9100085	F291	BS0286	317F	1	1486	91/03/01	91/03/31
9100085	F291	BS0287	317F	1	1484	91/03/01	91/03/31
9100085	F291	BS0288	317F	1	1474	91/03/01	91/03/31
9100085	F291	BS0289	317F	1	2223	91/03/01	91/03/31
9100085	F291	BS0290	317F	1	2159	91/03/01	91/03/31
9100085	F291	BS0291	317F	1	1460	91/03/01	91/03/31
9100085	F291	BS0292	317F	1	7276	91/03/01	91/03/31
9100085	F291	BS0293	317F	1	2227	91/03/01	91/03/31
9100085	F291	BS0294	317F	1	1486	91/03/01	91/03/31
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9100085	F291	BS0296	317F	1	2231	91/03/01	91/03/31
9100085	F291	BS0297	317F	1	1494	91/03/01	91/03/31
9100085	F291	BS0198	317F	1	3792	91/03/15	91/03/31
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9100085	F291	BS0200	317F	1	45205	91/03/01	91/03/31
9100085	F291	BS0201	317F	1	14838	91/03/01	91/03/31
9100085	F291	BS0202	317F	1	14836	91/03/01	91/03/31
9100085	F291	BS0203	317F	1	8176	91/03/01	91/03/31
9100085	F291	BS0204	317F	1	8031	91/03/01	91/03/31
9100085	F291	BS0205	317F	1	7437	91/03/01	91/03/31
9100085	F291	BS0206	317F	1	1828	91/03/05	91/03/31
9100085	F291	BS0207	317F	1	7432	91/03/01	91/03/31
9100085	F291	BS0208	317F	1	7422	91/03/01	91/03/31
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9100085	F291	BS0212	317F	1	7396	91/03/01	91/03/31
9100085	F291	BS0213	317F	1	7291	91/03/01	91/03/31
9100085	F291	BS0214	317F	1	7394	91/03/01	91/03/31
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9100085	F291	BS0220	317F	1	43850	91/03/01	91/03/31
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9100085	F291	BS0223	317F	1	6615	91/03/01	91/03/28
9100085	F291	BS0224	317F	1	8164	91/03/01	91/03/31
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9100085	F291	BS0227	317F	1	7416	91/03/01	91/03/31
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9100085	F291	BS0229	317F	1	8886	91/03/01	91/03/31

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9100085	F291	BS0234	317F	1	10775	91/03/01	91/03/31
9100085	F291	BS0235	317F	1	7414	91/03/01	91/03/31
9100085	F291	BS0236	317F	1	7192	91/03/01	91/03/31
9100085	F291	BS0237	317F	1	5568	91/03/01	91/03/31
9100085	F291	BS0238	317F	1	5234	91/03/01	91/03/31
9100085	F291	BS0239	317F	1	8061	91/03/01	91/03/31
9100085	F291	BS0240	317F	1	1314	91/03/26	91/03/31
9100085	F291	BS0241	317F	1	7432	91/03/01	91/03/31
9100085	F291	BS0242	317F	1	45205	91/03/01	91/03/31
9100085	F291	BS0243	317F	1	39517	91/03/01	91/03/31
9100085	F291	BS0244	317F	1	8894	91/03/01	91/03/31
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9100085	F291	BS0246	317F	1	5594	91/03/01	91/03/20
9100085	F291	BS0247	317F	1	8934	91/03/01	91/03/31
9100085	F291	BS0248	317F	1	5644	91/03/05	91/03/31
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9100085	F291	BS0250	317F	1	1454	91/03/01	91/03/31
9100085	F291	BS0251	317F	1	1486	91/03/01	91/03/31
9100085	F291	BS0252	317F	1	1482	91/03/01	91/03/31
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9100085	F291	BS0254	317F	1	2226	91/03/01	91/03/31
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9100085	F291	BS0256	317F	1	1480	91/03/01	91/03/31
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9100085	F291	BS0260	317F	1	7836	91/03/01	91/03/31
9100085	F291	BS0261	317F	1	1478	91/03/01	91/03/31
9100085	F291	BS0262	317F	1	1482	91/03/01	91/03/31
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9100085	F291	BS0264	317F	1	2227	91/03/01	91/03/31
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9100085	F291	BS0270	317F	1	2223	91/03/01	91/03/31
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9100085	F291	BS0272	317F	1	1370	91/03/01	91/03/31
9100085	F291	BS0273	317F	1	1482	91/03/01	91/03/31

(100 rows affected)