

Reference # | BR6693

ACCESSION
NUMBER

8800082

February 1988

DATA DOCUMENTATION FORM

F191

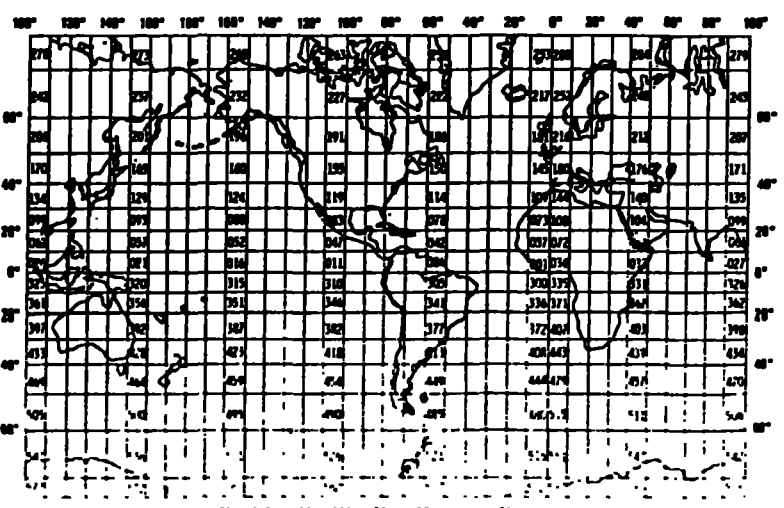
NOAA FORM 2473
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED Sallie Nolan NOAA/National Data Buoy Center NSIL Station, MS. 39529			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED TOGA		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 46125	
4. PLATFORM NAME(S) —	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Buoy	6. PLATFORM AND OPERATOR NATIONALITY(IES) Buoy USA	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 02/01/88 02/29/88
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Sallie R. Nolan F75-494-1721	

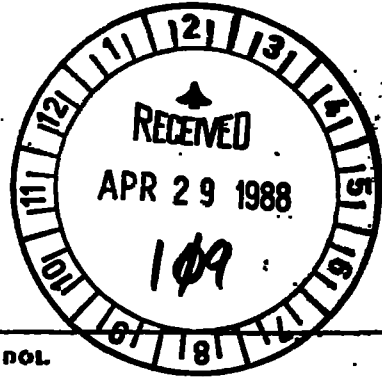
C. DATA FORMAT

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

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

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION



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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____
 ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

RECORD FORMAT DESCRIPTION

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

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

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., Mm, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
PRECIPITATION	55	4		I4	Accumulation in millimeters
SOLAR RADIATION	59	3		I3	Langleys/minute to hundredths
SOLAR RADIATION	62	3		I3	- wave length less than 3.6 Langleys/minute to hundredths wave length from 4.0 to
SIGNIFICANT WAVE HEIGHT	65	3		I3	50 microns Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD	68	3		I3	Seconds to tenths
DOMINANT WAVE DIRECTION	71	3		I3	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3		I3	Meters to tenths, from reference level
DEEPEST TROUGH	77	3		I3	Meters to tenths, from reference level
SEA SURFACE TEMPERATURE	80	4		I4	Temperature Celsius to hundredths
SEA SURFACE SALINITY	84	5		I5	Parts per thousand to thousandths
CONDUCTIVITY	89	5		I5	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD	94	3		I3	Seconds to tenths
MAXIMUM WAVE HEIGHT	97	3		I3	Meters to tenths
MAXIMUM WAVE STEEPNESS	100	3		I3	To be defined
WIND GUST	103	4		I4	Meters/sec. to hundredths
WIND GUST(avg. pd.)	107	2		I2	Seconds
AVERAGING PERIOD	109	4		I4	Meters/sec. to hundredths
WIND GUST	113	2		I2	Seconds
WIND GUST	115	3		I3	Meters/sec. to tenths whole degrees
WIND SPEED(58 min. average)	118	3		I3	Whole degrees
WIND DIRECTION(58 min. average)					
WAVE SPECTRA DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"3"(Wave Spectra Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
INTERVALS PER DIRECTION	27	3		I3	Zero for non-directional spectra, or total number of frequencies in this direction
DIRECTION	30	4		I4	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., 55a, 57b)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
WAVE SPECTRA DATA RECORD (cont'd)					
COUNT	34	1		I1	Number of frequencies on this record
DATA	35	70		5(2I4,I6)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35, 49, 63 77, 91	4		I4	Center frequency of interval in Hertz to thousandths
Resolution	39, 53, 67 81, 95	4		I4	Resolution of interval in Hertz to ten-thousandths
Density	43, 57, 71 85, 99	6		I6	Spectral Density of interval in m ² /Hz to thousandths
BLANKS	105	16		16X	Fill the fixed length record
SUBSURFACE TEMPERATURE DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"4" (Subsurface Temperature Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
DATA	27	90		10(I5,I4)	Up to 10 Depth and temperature fields
Depth	27, 36, 45 54, 63, 72 81, 90, 99 108	5		I5	Obs. level, meters to tenths
Temperature	32, 41, 50 59, 68, 77 86, 95, 104 113	4		I4	Degrees Celsius to hundredths (include Sea Surface Temperature)
BLANKS	117	4		4X	Fill the fixed length record
SUBSURFACE DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"5" (Subsurface Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
DATA	27	90		3(I5,I5,I5 I5,I5,I5)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27, 57, 87	5		I5	Obs. Level, meters to tenths

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

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

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

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

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

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

PARAMETER	DESCRIPTION	SC
DIRECTIONAL WAVE PARAMETER		
RECORD	Always '8'	10
STATION	See Record '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME	HHMM	23
COUNT	X - Number of Frequencies on this Record (=1,2,or3)	27
FREQUENCY	XXXX - Center of Band in HZ to Ten-Thousandths	28
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten-Thousandths	32
R1 (see below)	XXXX - Recorded to Nearest Hundredth	36
R2 (see below)	XXXX - Recorded to Nearest Hundredth	40
A1 (see below)	XXXX - Recorded in Degrees to Tenths	44
A2 (see below)	XXXX - Recorded in Degrees to Tenths	48
CI18 (see below)	XXXXXX - Recorded in Meters Squared/HZ to Thousandths	52
FREQUENCY	XXXX - Center of Band in HZ to Ten-Thousandths	58
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten-Thousandths	62
R1 (see below)	XXXX - Recorded to Nearest Hundredth	66
R2 (see below)	XXXX - Recorded to Nearest Hundredth	70
A1 (see below)	XXXX - Recorded in Degrees to Tenths	74
A2 (see below)	XXXX - Recorded in Degrees to Tenths	78
CI18 (see below)	XXXXXX - Recorded in Meters Squared/HZ to Thousandths	82
FREQUENCY	XXXX - Center of Band in HZ to Ten-Thousandths	88
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten-Thousandths	92
R1 (see below)	XXXX - Recorded to Nearest Hundredth	96
R2 (see below)	XXXX - Recorded to Nearest Hundredth	100
A1 (see below)	XXXX - Recorded in Degrees to Tenths	104
A2 (see below)	XXXX - Recorded in Degrees to Tenths	108
CI18 (see below)	XXXXXX - Recorded in Meters Squared/HZ to Thousandths	112
BLANKS		118

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 . $CI18(M^2/M/HZ) = (C22+C33)/(K*K)$ 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.



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Data Buoy Center
NSTL, Mississippi 39529

April 21, 1988

F1804-02
DB3:88-200
SPN:1m

Ms. I. E. Green
Data Acquisition and Management Branch
National Oceanographic Data Center
1825 Connecticut Avenue, NW
Washington, DC 20235

Dear Ms. Green:

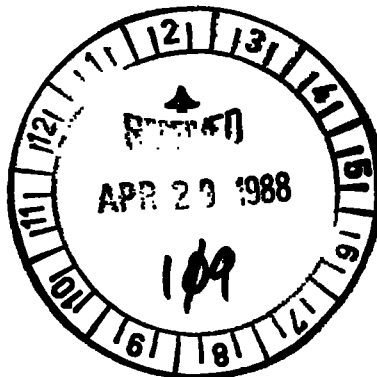
The February 1988 archive tape mailed to you previously, omitted station 46125. 46125 is a directional wave payload located on the same hull as 46025. Please add this data to your archives for February.

If you have any questions, contact B.G. Redmon at FTS 494-2834.

Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager



USER NAME

PHONE #

ORG/TASK #

DATE

SUBMITTED

DATE DUE

BIR #

5-3-88

27

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Scan

INPUT MEDIUM

PAPER CARD DISK TAPE
DISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM

CARD DISK PRINT TAPE PLOT
DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	Feb 880		9	1600	odd	NL	KB	720	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
88050301	050388	1145	1147	C	COMPLETED by FL

COMMENTS

FT191

Feb. 88

USER NAME <i>Green, J.</i>	PHONE #	ORG/TASK #	DATE SUBMITTED <i>5-4-88</i>	DATE DUE	BIN # <i>27</i>
EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED					

Copy to 'w' tape and Scan Output

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>A00714</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>NL</i>	<i>FB</i>	<i>120</i>	<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
OUTPUT	<i>W102900</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>NL</i>	<i>FB</i>	<i>120</i>	<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES

SPECIAL INSTRUCTIONS

Procedure BRB404-2

Mitch 6693. Dat

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>980505-02</i>	<i>2/5/88</i>	<i>11:15</i>	<i>11:30</i>	<i>C</i>	<i>COMPLETED BY J.S.</i>

COMMENTS

Send to Asheville

*FT191
Feb. 88
4084*

ACCESSION NO. 8800082FILETYPE FT191TRACK NO. BR6693PROJECT
IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-18-88	(DS)	A00714	1	120	4080	
DUPLICATE TAPE	5-18-88	(DS)	W02900*	1	120	4080	16562
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED							

*Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

16,562 records

DHAP

INVENTORY
Record 8169 on screen
175807

Record found

1:39:40p

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

IEG

DATE OF ENTRY: 05/20/88

REFERENCE NUMBER: BR6693 ACCESSION NUMBER: 8800082
FORMER REFERENCE NUMBER: FORMER ACCESSION NUMBER: (RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09
EXCHANGE (FORMAT): E062 - Wave Spectra & Marine Meteorology (F191)
PROCESSING (FORMAT): F191 - Wave Spectra & Marine Meteorology (F191)

* NOTE * If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 313B
PLATFORM (COUNTRY AND PLATFORM CODES): 317F
PLATFORM TYPE: 3 - Buoy DINDB CODE 03

REC'D

ORIGINATORS FILE ID: ORIGINATORS CRUISE ID: 46125
CRUISE START DATE: 02/01/88 CRUISE END DATE: 02/28/88 Press PgDn
PROJECT CODE: DATA USE CODE (DUC): 3 to continue
F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

1:39:46p

VOLUME - NUMBER OF STATIONS: 1 NUMBER OF RECORDS: 16,658

If STA/REC counts are not appropriate then enter -

NUMBER: UNITS:
AVERAGE REC SIZE: 120 MBYTES: 1.998960

OCEAN AREA

CODE 1: MEANING:
CODE 2: MEANING:
CODE 3: MEANING:

DINDB TRACK TRANSACTION GENERATED: / /

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

8800082

TO: E/OC12 - C. Noe
E/OC11 - P. Hadsell ←
FROM: E/OC13 - A. Picciolo
DATE: April 19, 1988
SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

DATA ARCHIVE AND INVENTORIES BRANCH (E/OC11)

----- Level II and III Data -----

WIND/WAVE SPECTRA (F191)

Acc: 8800082 Ref: BR6612 - 6692 81 stations 407,082⁰ records
FEBRUARY 1988 NOAA/NDBC

DRIFTING BUOYS (F156)

Acc: 8800076 Ref: TV0773 - 881 109 stations 23,868 records
JANUARY 1988 NOAA/NDBC

cc: Division Director

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800082	BR6612	F191		313B	317F	32302	02/01/88	02/29/88	1	6,788
8800082	BR6613	F191		313B	317F	41001	02/01/88	02/29/88	1	8,340
8800082	BR6614	F191		313B	317F	41002	02/01/88	02/29/88	1	8,330
8800082	BR6615	F191		313B	317F	41006	02/01/88	02/29/88	1	8,318
8800082	BR6616	F191		313B	317F	42002	02/01/88	02/29/88	1	2,312
8800082	BR6617	F191		313B	317F	42007	02/01/88	02/29/88	1	6,644
8800082	BR6618	F191		313B	317F	42015	02/01/88	02/29/88	1	44,292
8800082	BR6619	F191		313B	317F	44004	02/19/88	02/29/88	1	2,904
8800082	BR6620	F191		313B	317F	44005	02/01/88	02/29/88	1	8,328
8800082	BR6621	F191		313B	317F	44006	02/01/88	02/29/88	1	44,292
8800082	BR6622	F191		313B	317F	44007	02/01/88	02/29/88	1	6,926
8800082	BR6623	F191		313B	317F	44008	02/01/88	02/29/88	1	3,376
8800082	BR6624	F191		313B	317F	44009	02/25/88	02/29/88	1	992
8800082	BR6625	F191		313B	317F	44011	02/01/88	02/29/88	1	6,950
8800082	BR6626	F191		313B	317F	44012	02/01/88	02/29/88	1	6,602
8800082	BR6627	F191		313B	317F	44013	02/01/88	02/29/88	1	6,916
8800082	BR6628	F191		313B	317F	45001	02/01/88	02/10/88	1	2,298
8800082	BR6629	F191		313B	317F	46001	02/01/88	02/29/88	1	8,340
8800082	BR6630	F191		313B	317F	46002	02/01/88	02/29/88	1	1,390
8800082	BR6631	F191		313B	317F	46003	02/01/88	02/29/88	1	8,328
8800082	BR6632	F191		313B	317F	46004	02/01/88	02/29/88	1	8,328
8800082	BR6633	F191		313B	317F	46005	02/01/88	02/29/88	1	8,308
8800082	BR6634	F191		313B	317F	46006	02/01/88	02/29/88	1	6,908
8800082	BR6635	F191		313B	317F	46011	02/01/88	02/29/88	1	2,320
8800082	BR6636	F191		313B	317F	46012	02/01/88	02/29/88	1	6,942
8800082	BR6637	F191		313B	317F	46014	02/01/88	02/29/88	1	6,918
8800082	BR6638	F191		313B	317F	46017	02/01/88	02/29/88	1	464
8800082	BR6639	F191		313B	317F	46022	02/01/88	02/29/88	1	8,318
8800082	BR6640	F191		313B	317F	46023	02/01/88	02/29/88	1	6,934
8800082	BR6641	F191		313B	317F	46025	02/01/88	02/29/88	1	6,914
8800082	BR6642	F191		313B	317F	46026	02/03/88	02/29/88	1	6,324
8800082	BR6643	F191		313B	317F	46027	02/01/88	02/29/88	1	6,906
8800082	BR6644	F191		313B	317F	46028	02/01/88	02/29/88	1	8,098
8800082	BR6645	F191		313B	317F	46035	02/01/88	02/29/88	1	6,668
8800082	BR6646	F191		313B	317F	46039	02/01/88	02/16/88	1	3,494
8800082	BR6647	F191		313B	317F	46040	02/01/88	02/29/88	1	6,950
8800082	BR6648	F191		313B	317F	46041	02/01/88	02/29/88	1	6,942
8800082	BR6649	F191		313B	317F	46042	02/01/88	02/29/88	1	40,196
8800082	BR6650	F191		313B	317F	51004	02/01/88	02/18/88	1	270
8800082	BR6651	F191		313B	317F	51005	02/01/88	02/29/88	1	6,806
8800082	BR6652	F191		313B	317F	ALSN6	02/01/88	02/29/88	1	1,358
8800082	BR6653	F191		313B	317F	BURL1	02/01/88	02/29/88	1	1,390
8800082	BR6654	F191		313B	317F	BUZM3	02/01/88	02/29/88	1	1,390
8800082	BR6655	F191		313B	317F	CAR03	02/01/88	02/29/88	1	1,388
8800082	BR6656	F191		313B	317F	CHLV2	02/01/88	02/29/88	1	4,836
8800082	BR6657	F191		313B	317F	CLKN7	02/01/88	02/29/88	1	1,388
8800082	BR6658	F191		313B	317F	CSBF1	02/01/88	02/29/88	1	1,388
8800082	BR6659	F191		313B	317F	DBLN6	02/01/88	02/29/88	1	1,180
8800082	BR6660	F191		313B	317F	DESW1	02/01/88	02/29/88	1	1,390
8800082	BR6661	F191		313B	317F	DPIA1	02/01/88	02/29/88	1	1,390
8800082	BR6662	F191		313B	317F	DSL N7	02/01/88	02/29/88	1	1,390

900082	BR6663	F191	313B	317F	FBIS1	02/01/88	02/29/88	1	1,390
00082	BR6664	F191	313B	317F	FFIA2	02/01/88	02/14/88	1	626
900082	BR6665	F191	313B	317F	FPSN7	02/01/88	02/29/88	1	1,390
8800082	BR6666	F191	313B	317F	GDIL1	02/01/88	02/29/88	1	1,346
8800082	BR6667	F191	313B	317F	GLLN6	02/01/88	02/29/88	1	1,202
8800082	BR6668	F191	313B	317F	IOSN3	02/01/88	02/29/88	1	1,390
8800082	BR6669	F191	313B	317F	LKWF1	02/01/88	02/29/88	1	1,388
8800082	BR6670	F191	313B	317F	MDRM1	02/01/88	02/29/88	1	1,390
8800082	BR6671	F191	313B	317F	MISM1	02/01/88	02/29/88	1	1,390
8800082	BR6672	F191	313B	317F	MLRF1	02/01/88	02/29/88	1	1,390
8800082	BR6673	F191	313B	317F	MPCL1	02/18/88	02/29/88	1	2,578
8800082	BR6674	F191	313B	317F	NWFO3	02/01/88	02/29/88	1	1,388
8800082	BR6675	F191	313B	317F	PILM4	02/01/88	02/29/88	1	1,390
8800082	BR6676	F191	313B	317F	PTAC1	02/01/88	02/29/88	1	1,388
8800082	BR6677	F191	313B	317F	PTAT2	02/01/88	02/29/88	1	1,386
8800082	BR6678	F191	313B	317F	PTGC1	02/01/88	02/24/88	1	1,044
8800082	BR6679	F191	313B	317F	ROAM4	02/01/88	02/29/88	1	1,390
8800082	BR6680	F191	313B	317F	SAUF1	02/01/88	02/29/88	1	1,390
8800082	BR6681	F191	313B	317F	SBIO1	02/01/88	02/29/88	1	1,390
8800082	BR6682	F191	313B	317F	SGNW3	02/01/88	02/29/88	1	1,386
8800082	BR6683	F191	313B	317F	SISW1	02/01/88	02/29/88	1	1,384
8800082	BR6684	F191	313B	317F	SMKF1	02/09/88	02/29/88	1	934
8800082	BR6685	F191	313B	317F	SPGF1	02/01/88	02/29/88	1	1,254
8800082	BR6686	F191	313B	317F	SRST2	02/01/88	02/29/88	1	1,388
8800082	BR6687	F191	313B	317F	STDMA	02/01/88	02/29/88	1	1,382
900082	BR6688	F191	313B	317F	SVLS1	02/01/88	02/29/88	1	1,390
00082	BR6689	F191	313B	317F	TPLM2	02/01/88	02/29/88	1	1,388
900082	BR6690	F191	313B	317F	TTIW1	02/01/88	02/29/88	1	1,388
8800082	BR6691	F191	313B	317F	VENF1	02/01/88	02/29/88	1	1,386
8800082	BR6692	F191	313B	317F	WPOW1	02/01/88	02/29/88	1	1,392

=====

Reference #

BL 6612-6628

ACCESSION
NUMBER

8800082

February 1988

DATA DOCUMENTATION FORM

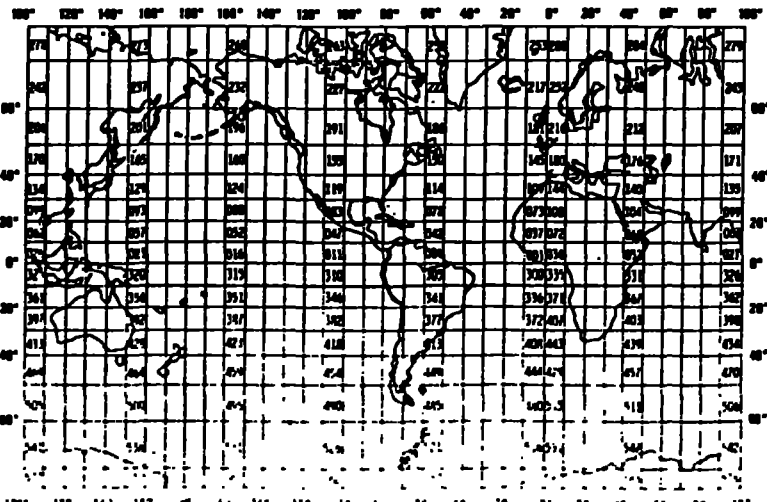
NOAA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED Sallie P. Nolan NDA A / National Data Buoy Center NSTL Station, MS 39529			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED TOGA		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
4. PLATFORM NAME(S) N/A	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY	6. PLATFORM AND OPERATOR NATIONALITY(IES) USA	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 02/01/88 02/29/88
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Sallie P. Nolan 8-494-1721			

Reference #

BR6629-6651

ACCESSION
NUMBER

8800082

February 1988

DATA DOCUMENTATION FORM

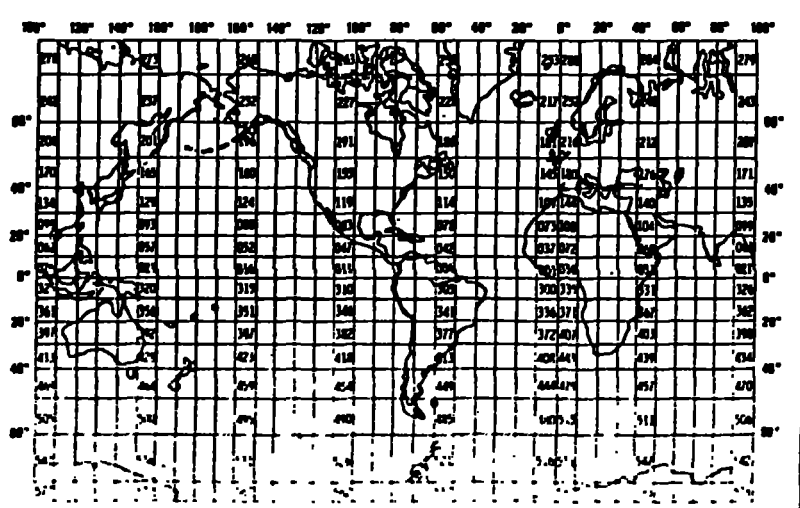
NOAA FORM 24-73
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED TOGA		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
4. PLATFORM NAME(S) N/A	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY	6. PLATFORM AND OPERATOR NATIONALITY(IES) USA	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 08/01/88 02/29/89
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Sallie P. Nolan 8-494-1721			

Reference #

BR6652-6692

ACCESSION
NUMBER

8800082

February 1988

DATA DOCUMENTATION FORM

NOAA FORM 2213
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED <i>Sallie P. Nolan</i> <i>NOAA / National Data Buoy Center</i> <i>NSTL Station, MS 39529</i>			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>TOGA</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
4. PLATFORM NAME(S) <i>N/A</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>BUOY</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <i>USA</i>	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR <i>02/01/88 02/29/88</i>
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) <i>Sallie P. Nolan</i> <i>8-494-1721</i>			

ARCHIVAL 191 TAPE FORMAT

File structure -

Nine 120-character records: (1) Descriptive Header Record, (2) Environmental Data Record, (3) Wave Spectra Data Record, (4) Subsurface Temperature Data Record, (5) Subsurface Data Record, (6) Wave Data Record, and (7) Wave Fourier Data Record, (8) Wave Data Record Type 8, (9) Continuous Wind Measurement.

File format -

Meteorology and Wave Spectra (F191)

PARAMETER	DESCRIPTION	SC
FILE TYPE	ALWAYS '191'	01
FILE DATE	YR,MO,DY OF FILE GEN.	04
RECORD TYPE	'1' DESC. HEADER	10
STATION	SIX-CHARACTER UNIQUE NAME OF OBSERVATION POINT	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME (GMT)	HHMM	23
LATITUDE	DEGREES,MINUTES,SECONDS	27
LAT. HEMISPHERE	HEMISPHERE 'N' OR 'S'	33
LONGITUDE	DEGREES,MINUTES,SECONDS	34
LAT. HEMISPHERE	HEMISPHERE 'E' OR 'W'	41
BOTTOM DEPTH	xxxxx - METERS TO TENTHS	42
MAGNETIC VARIATION	xxxx - WHOLE DEGREES FROM TRUE NORTH (SIGNED VALUE)	47
BUOY HEADING	xxx - WHOLE DEGREES FROM TRUE NORTH	51
SAMPLING RATE	xxxx - ORIGINAL MEASUREMENTS PER MINUTE, TO TENTHS	54
SAMPLING DURATION	xxxx - MINUTES TO HUNDREDTHS	58
TOTAL INTERVALS	xxx - NUMBER OF FREQUENCY INTERVALS	62
CHIEF SCIENTIST	20-CHARACTER FIELD FOR SCIENTIST NAME	65
INSTITUTION	20-CHARACTER FIELD FOR DATA SOURCE	85
WIND SAMPLING DURATION	xxx - MINUTES TO TENTHS	105
COMMENTS	13-CHARACTER FIELD	108



ENVIRONMENTAL DATA RECORD	ALWAYS '2'	10
STATION	SEE RECORD '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME (GMT)	HHMM	23
ALTITUDE	xxx - METEOROLOGY (METERS TO TENTHS)	27
AIR TEMPERATURE	xxxx NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS	30
DEW POINT	xxxx - DEGREES C TO TENTHS	34
BAROMETER	xxxxx - REDUCED TO SEA LEVEL (MB TO TENTHS)	38
WIND SPEED (8.5 MIN AVG)	xxxx - M/SEC TO HUNDREDTHS	43
WIND DIRECTION(8.5 MIN AVG)	xxxx - DEGREES FROM TRUE NORTH TO TENTHS	47
WEATHER	ONE-CHARACTER CODE - USE CODE 0108	51
VISIBILITY	xxx - NAUTICAL MILES TO TENTHS	52
PRECIPITATION	xxxx - ACCUMULATION IN MILLIMETERS	55
SOLAR RADIATION	xxx - LANGLEYS/MIN TO HUNDREDTHS. WAVE LENGTH LESS THAN 3.6 MICRONS	59
SOLAR RADIATION	xxx - LANGLEYS/MIN TO HUNDREDTHS. WAVE LENGTH 4.0 TO 50 MICRONS	62
SIGNIFICANT WAVE HEIGHT	xxx - CORRECTED FOR LOW FREQUENCY NOISE (METERS TO TENTHS)	65
AVERAGE WAVE PERIOD	xxx - SECONDS TO TENTHS	68
AVERAGE WAVE DIRECTION	xxx - DIRECTION OF PREDOMINANT WAVES IN WHOLE DEGREES FROM TRUE NORTH	71
HIGHEST CREST	xxx - FROM REFERENCE LEVEL (METERS TO TENTHS)	74
DEEPEST TROUGH	xxx - FROM REFERENCE LEVEL (METERS TO TENTHS)	77
TEMPERATURE	xxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE	80
SALINITY	xxxxx - PARTS PER THOUSAND TO THOUSANDTHS	84
CONDUCTIVITY	xxxxx - MILLIMHOS/CM TO THOUSANDTHS	89
DOMINANT WAVE PERIOD	xxx- SECONDS TO TENTHS	94
MAXIMUM WAVE HEIGHT	xxx - METERS TO TENTHS	97
MAXIMUM WAVE STEEPNESS	xxx	100
WIND GUST	xxxx - METERS/SECOND TO HUNDREDTHS	103
WIND GUST AVERAGING PD	xx - SECONDS	107
WIND GUST	xxxx - METERS/SECOND TO HUNDREDTHS	109
WIND GUST AVERAGING PERIOD	xx - SECONDS	113
WIND SPEED (58 MIN AVG)	xxx - MS TO TENTHS	115
WIND DIRECTION(58 MIN AVG)	xxx - WHOLE DEGREES	118

WAVE SPECTRA DATA RECORD	ALWAYS '3'	10
STATION	SEE RECORD '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME (GMT)	HHMM	23
INTERVALS PER DIRECTION	xxx - TOTAL NUMBER OF FEQUENCIES IN THIS DIRECTION OR ZERO FOR NON-DIRECTIONAL	27
DIRECTION	xxxx - DEGREES TO TENTHS FROM TRUE NORTH OR '9999' FOR NON-DIRECTIONAL	30
COUNT	x - NUMBER OF FEQUENCIES ON THIS RECORD	34
DATA	UP TO 5 FREQUENCY, RESOLUTION, AND DENSITY FIELDS. NULL FIELDS ARE ZERO OR BLANK	
FREQUENCY	xxxx - CENTER FREQUENCY OF INTERVAL IN HERTZ TO THOUSANDS	35
RESOLUTION	xxxx - RESOLUTION OF INTERVAL IN HERTZ TO TEN-THOUSANDTHS	39
DENSITY	xxxxxx - SPECTRAL DENSITY OF INTERVAL IN M2/HZ TO THOUSANDTHS	43
FREQUENCY	xxxx - SEE ABOVE	49
RESOLUTION	xxxx - SEE ABOVE	53
DENSITY	xxxxxx - SEE ABOVE	57
FREQUENCY	xxxx - SEE ABOVE	63
RESOLUTION	xxxx - SEE ABOVE	67
DENSITY	xxxxxx - SEE ABOVE	71
FREQUENCY	xxxx - SEE ABOVE	77
RESOLUTION	xxxx - SEE ABOVE	81
DENSITY	xxxxxx - SEE ABOVE	85
FREQUENCY	xxxx - SEE ABOVE	91
RESOLUTION	xxxx - SEE ABOVE	95
DENSITY	xxxxxx - SEE ABOVE	99
BLANKS		105

SUBSURFACE TEMPERATURE DATA	ALWAYS '4'	10
RECORD		
STATION	SEE RECORD '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME	HHMM	23
DEPTH	xxxxxx - METERS TO TENTHS	27
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	32
DEPTH	xxxxxx - METERS TO TENTHS	36
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDE BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	41
DEPTH	xxxxxx - METERS TO TENTHS	45
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	50
DEPTH	xxxxxx - METERS TO TENTHS	54
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDE BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	59
DEPTH	xxxxxx - METERS TO TENTHS	63
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	68
DEPTH	xxxxxx - METERS TO TENTHS	72
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	77
DEPTH	xxxxxx - METERS TO TENTHS	81
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	86
DEPTH	xxxxxx - METERS TO TENTHS	90
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	95
DEPTH	xxxxxx - METERS TO TENTHS	99
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	104
DEPTH	xxxxxx - METERS TO TENTHS	108
TEMPERATURE	xxxxx - SEA SURFACE NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO HUNDREDTHS	113
BLANKS		117

SUBSURFACE DATA RECORD	ALWAYS '5'	10
STATION	SEE RECORD '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME (GMT)	HHMM	23
DEPTH	xxxxxx - METERS TO TENTHS	27
*THE PREVIOUS FIELD IS REPEATED TWO TIMES IN COLS 57 AND 87		
U COMPONENT	xxxxxx - EAST VECTORS IN CM/SECOND TO TENTHS	32
*THE PREVIOUS FIELD IS REPEATED TWO TIMES IN COLS 62 AND 92		
V COMPONENT	xxxxxx - TRUE NORTH VECTOR IN CM/SECOND TO TENTHS	37
*THE PREVIOUS FIELD IS REPEATED TWO TIMES IN COLS 67 AND 97		
PRESSURE	xxxxxx - KG/CM2 TO HUNDREDTHS	42
*THE PREVIOUS FIELD IS REPEATED TWO TIMES IN COLS 72 AND 102		
CONDUCTIVITY	xxxxxx - MILLIOHMS/CM TO THOUSANDTHS	47
*THE PREVIOUS FIELD IS REPEATED TWO TIMES IN COLS 77 AND 107		
SALINITY	xxxxxx - PARTS PER THOUSAND TO THOUSANDS	52
*THE PREVIOUS FIELD IS REPEATED TWO TIMES IN COLS 82 AND 112		
BLANKS		117

WAVE SPECTRA DATA RECORD 2	ALWAYS '6'	10
STATION	SEE RECORD '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME (GMT)	HHMM	23
FREQUENCY	XXXX - HZ TO THOUSANDTHS	27
RESOLUTION	XXXXXX - HZ TO TEN-THOUSANDTHS	31
CO-SPECTRA (C11)	XXXXXX - M2/HZ - WHERE SUBSCRIPTS ARE 1=HEAVE, 2=E-W SLOPE, 3=N-S SLOPE	36
EXPONENT	XX	42
CO-SPECTRA (C22)	XXXXXX - SEE ABOVE	44
EXPONENT	XX	50
CO-SPECTRA (C33)	XXXXXX - SEE ABOVE	52
EXPONENT	XX	58
CO-SPECTRA (C12)	XXXXXX - SEE ABOVE	60
EXPONENT	XX	66
QUAD-SPECTRA (Q12)	XXXXXX - SEE ABOVE	68
EXPONENT	XX	74
CO-SPECTRA (C13)	XXXXXX - SEE ABOVE	76
EXPONENT	XX	82
QUAD-SPECTRA (Q13)	XXXXXX - SEE ABOVE	84
EXPONENT	XX	90
CO-SPECTRA (C23)	XXXXXX - SEE ABOVE	92
EXPONENT	XX	98
BLANKS		100

WAVE FOURIER DATA RECORD	ALWAYS '7'	10
STATION	SEE RECORD '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME (GMT)	HHMM	23
FREQUENCY	xxxx - HZ TO THOUSANDS	27
RESOLUTION	xxxxx - HZ TO TEN-THOUSANDS	31
ANGULAR FOURIER COEFF(A0)	xxxxx - M2/HZ	36
EXPONENT	xx	42
ANGULAR FOURIER COEFF(A1)	xxxxx - M2/HZ	44
EXPONENT	xx	50
ANGULAR FOURIER COEFF(B1)	xxxxx - M2/HZ	52
EXPONENT	xx	58
ANGULAR FOURIER COEFF(A2)	xxxxx - M2/HZ	60
EXPONENT	xx	66
ANGULAR FOURIER COEFF(B2)	xxxxx - M2/HZ	68
EXPONENT	xx	74
ANGULAR FOURIER COEFF(A3)	xxxxx - M2/HZ	76
EXPONENT	xx	82
ANGULAR FOURIER COEFF(B3)	xxxxx - M2/HZ	84
EXPONENT	xx	90
ANGULAR FOURIER COEFF(A4)	xxxxx - M2/HZ	92
EXPONENT	xx	98
ANGULAR FOURIER COEFF(B4)	xxxxx - M2/HZ	100
EXPONENT	xx	106
MEAN WAVE DIRECTION	xxx - ARCTAN B1/A1 FROM TRUE NORTH	108
BLANKS		111

WAVE DATA RECORD TYPE 8	ALWAYS '8'	10
STATION	SEE RECORD '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME	HHMM	23
ICOUNT	x - NUMBER OF GROUPS PER LINE	27
IFREQ	xxxx - FREQUENCY OF VALUES	28
*THIS FIELD IS REPEATED 2 TIMES IN COLS 58 AND 88		
IRES	xxxx - RESOLUTION OF VALUES	32
*THIS FIELD IS REPEATED 2 TIMES IN COLS 62 AND 92		
IR1	xxxx - R1 VALUE TO HUNDREDS	36
*THIS FIELD IS REPEATED 2 TIMES IN COLS 66 AND 96		
IR2	xxxx - R2 VALUE TO HUNDREDS	40
*THIS FIELD IS REPEATED 2 TIMES IN COLS 70 AND 100		
IALPHA_1	xxxx - ALPHA 1 VALUE TO	44
	TENTHS	
*THIS FIELD IS REPEATED 2 TIMES IN COLS 74 AND 104		
IALPHA_2	xxxx - ALPHA 2 VALUE TO	48
	TENTHS	
*THIS FIELD IS REPEATED 2 TIMES IN COLS 78 AND 108		
IC11	xxxxxx - SPECTRAL VALUE TO	52
	THOUSANDS	
*THIS FIELD IS REPEATED 2 TIMES IN COLS 82 AND 112		
BLANKS		118

CONTINUOUS WIND MEASUREMENT	ALWAYS '9'	10
STATION	SEE RECORD '1'	11
OBSERVED DATE (UTC)	YYMMDD	17
OBSERVED TIME (UTC) ¹	HHMM	23
STANDARD DEVIATION OF HOURLY SPEED	xxx - M/S TO TENTHS	27
STANDARD DEVIATION OF HOURLY DIRECTION	xxxx - TENTHS OF DEGREES	30
HOURLY WIND GUST ²	xxx - M/S TO TENTHS	34
DIRECTION OF HOURLY GUST	xxx - WHOLE DEGREES	37
TIME OF HOURLY GUST (UTC)	xxxx - HHMM	40
ENDING TIME OF TEN MINUTE AVERAGE (UTC)	xx - HH	44
AVERAGE DIRECTION FOR MINUTES 00-09	xxx - WHOLE DEGREES	46
AVERAGE SPEED FOR MINUTES 00-09	xxx - M/S TO TENTHS	49
AVERAGE DIRECTION FOR MINUTES 10-19	xxx - WHOLE DEGREES	52
AVERAGE SPEED FOR MINUTES 10-19	xxx - M/S TO TENTHS	55
AVERAGE DIRECTION FOR MINUTES 20-29	xxx - WHOLE DEGREES	58
AVERAGE SPEED FOR MINUTES 20-29	xxx - M/S TO TENTHS	61
AVERAGE DIRECTION FOR MINUTES 30-39	xxx - WHOLE DEGREES	64
AVERAGE SPEED FOR MINUTES 30-39	xxx - M/S TO TENTHS	67
AVERAGE DIRECTION FOR MINUTES 40-49	xxx - WHOLE DEGREES	70
AVERAGE SPEED FOR MINUTES 40-49	xxx - M/S TO TENTHS	73
AVERAGE DIRECTION FOR MINUTES 50-59	xxx - WHOLE DEGREES	76
AVERAGE SPEED FOR MINUTES 50-59	xxx - M/S TO TENTHS	79

¹Observed Time for all Record Types will be changed to the end of the Acquisition Period, not the nearest hour. For example, a payload acquiring wave data from 1030-1050 and standard meteorological data from 1040-1050 will show a time of 1050, not 1100.

²If the observation time is minute 50, the gust was recorded in the previous hour. If the observation time is minute 25, the gust was recorded during the hour ending at minute 20.



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Data Buoy Center
NSTL, Mississippi 39529

March 31, 1988

F1804-02
DB3:88-0165
SPN:im

Ms. I. E. Green
Data Acquisition and Management Branch
National Oceanographic Data Center
1825 Connecticut Avenue, NW
Washington, DC 20235

Dear Ms. Green:

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

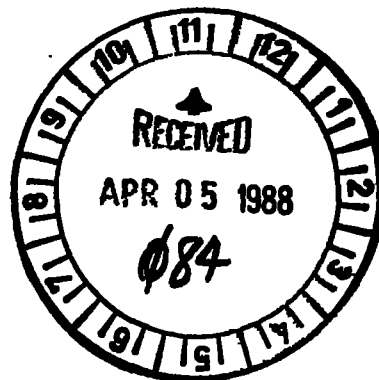
If you have any questions, please call B.G. Redmon at FTS 494-2834, or Commercial (601) 688-2834.

Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures



Attachment

Tape 1: 32302 02018800-02298823
41001 02018800-02298823
41002 02018800-02298823
41006 02018800-02298823
42002 02018800-02298823
42007 02018800-02298823
42015 02018800-02298823
44004 02198820-02298823
44005 02018800-02298823
44006 02018800-02298823
44007 02018800-02298823
44008 02018800-02298823
44009 02258817-02298823
44011 02018800-02298823
44012 02018800-02298823
44013 02018800-02298823
45001 02018800-02108819

Tape 2: 46001 02018800-02298823
46002 02018800-02298823
46003 02018800-02298823
46004 02018800-02298823
46005 02018800-02298823
46006 02018800-02298823
46011 02018800-02298823
46012 02018800-02298823
46014 02018800-02298823
46017 02018800-02298823
46022 02018800-02298823
46023 02018800-02298823
46025 02018800-02298823
46026 02038812-02298823
46027 02018800-02298823
46028 02018800-02298823
46035 02018800-02298823
46039 02018800-02168810
46040 02018800-02298823
46041 02018800-02298823
46042 02018800-02298823
51004 02018800-02188801
51005 02018800-02298823

Tape 3 :ALSN6 02018800-02298823
BURL1 02018800-02298823
BUZM3 02018800-02298823
CAR03 02018800-02298823

CHLV2 02018800-02298823
CLKN7 02018800-02298823
CSBF1 02018800-02298823
DBLN6 02018800-02298823
DESW1 02018800-02298823
DPIA1 02018800-02298823
DSL7 02018800-02298823
FBIS1 02018800-02298823
FFIA2 02018800-02148806
FPSN7 02018800-02298823
GDIL1 02018800-02298823
GLLN6 02018800-02298823
IOSN3 02018800-02298823
LKWF1 02018800-02298823
MDRM1 02018800-02298823
MISM1 02018800-02298823
MLRF1 02018800-02298823
MPCL1 02188811-02298823
NWPO3 02018800-02298823
PILM4 02018800-02298823
PTAC1 02018800-02298823
PTAT2 02018800-02298823
PTGC1 02018800-02248815
ROAM4 02018800-02298823
SAUF1 02018800-02298823
SBI01 02018800-02298823
SGNW3 02018800-02298823
SISW1 02018800-02298823
SMKF1 02098818-02298823
SPGF1 02018800-02298823
SRST2 02018800-02298823
STDM4 02018800-02298823
SVLS1 02018800-02298823
TPLM2 02018800-02298823
TTIW1 02018800-02298823
VENF1 02018800-02298823
WPOW1 02018800-02298823

ADP FACILITIES REQUEST FORM

USER NAME <i>H. J. ...</i>	PHONE #	ORG/TASK #	DATE SUBMITTED <i>4-6-88</i>	DATE DUE	BIN # <i>27</i>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Doc.

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>AC0098</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>NC</i>	<i>FB</i>		<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>88040509</i>	<i>040688</i>	<i>1353</i>	<i>1400</i>	<i>C</i>	<i>COMPLETED by FL</i>

COMMENTS

Feb. 1988
1003
P7191

ADP FACILITIES REQUEST FORM

USER NAME <i>K. Green</i>	PHONE #	ORG/TASK #	DATE SUBMITTED <i>4-5-88</i>	DATE DUE	BIN # <i>27</i>
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PERMANENT TO BE USED AND FUNCTION TO BE PERFORMED

Scan

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>A 10099</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>NL</i>	<i>FB</i>		<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>88040510</i>	<i>040688</i>	<i>1340</i>	<i>1352</i>	<i>C</i>	<i>COMPLETED by FL</i>

COMMENTS

FT191

- Feb 88 -

2033

ADP FACILITIES REQUEST FORM

USER NAME <i>Thompson</i>	PHONE #	ORG/TASK #	DATE SUBMITTED <i>4-5-68</i>	DATE DUE	BIN # <i>27</i>
EQ <u>NT</u> TO BE USED AND FUNCTION TO BE PERFORMED					

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

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>A05106</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>NL</i>	<i>FR</i>		<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>88040511</i>	<i>04/06/88</i>	<i>1324</i>	<i>1330</i>	<i>C</i>	<i>Completed by FL</i>

REMARKS

PT141

Feb. 88

303

ADP FACILITIES REQUEST FORM

USER NAME <i>John - Bush</i>	PHONE #	ORG/TASK #	DATE SUBMITTED <i>04-06-88</i>	DATE DUE	BIN # <i>27</i>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Copy to 1/4 tape and scan output

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

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>A000698</i>		<i>9</i>	<i>1600</i>	<i>000</i>	<i>NL</i>	<i>F13</i>	<i>120</i>	<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
OUTPUT	<i>W13501</i>		<i>9</i>	<i>1600</i>	<i>000</i>	<i>NL</i>	<i>F13</i>	<i>120</i>	<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES

SPECIAL INSTRUCTIONS

Procedure BR BU04 62
Mitch 0612. Wat

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>88040605</i>	<i>4/27/88</i>	<i>9112</i>	<i>1310</i>	<i>B</i>	<i>COMPLETED BY F.L.</i>

COMMENTS

Send to ashville

FT 191
103
FT 191

ADP FACILITIES REQUEST FORM

USER NAME <i>Green, Lush</i>	PHONE #	ORG/TASK #	DATE SUBMITTED 4-11-88	DATE DUE	BIN # 27
EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED					

Copy to 'W' tape and Scan Output

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>A00694</i>		<i>9</i>	<i>7600</i>	<i>odd</i>	<i>NL</i>	<i>FR</i>	<i>120</i>	<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	<i>N13649</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>NL</i>	<i>FR</i>	<i>120</i>	<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

Procedure BRBU04.63

ESTIMATED
EXECUTION
TIME

Mitch 6.629. Dat

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>28041101</i>	<i>4/13/88</i>	<i>0700</i>	<i>0915</i>	<i>C</i>	<i>COMPLETED BY J.S.</i>

COMMENTS

Send to Asherille

*FT191
Feb. 88
2073*

USER NAME <i>Green, Irish</i>	PHONE #	ORG/TASK #	DATE SUBMITTED <i>4-13-88</i>	DATE DUE	BIN # <i>27</i>
----------------------------------	---------	------------	----------------------------------	----------	--------------------

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Copy to 'W' tape and Scan output

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<i>A00700</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>UL</i>	<i>FB</i>	<i>120</i>	<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	<i>W14016</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>NE</i>	<i>FB</i>	<i>120</i>	<i>4080</i>	<i>1</i>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

Procedure B BUOY 64

ESTIMATED
EXECUTION
TIME

Mitch 6652. Dat

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>88041308</i>	<i>4/14/86</i>	<i>07:45</i>	<i>07:00</i>	<i>C</i>	<i>COMPLETED BY J.S</i>

COMMENTS

Send to Asheville

*FT191
Feb. 88
3073*

ACCESSION NO. 8800082FILETYPE FT191TRACK NO. BR662-6628PROJECT
IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4-14-88	(SS)	A00698	1	120	4080	
DUPLICATE TAPE	4-14-88	(SS)	W13501*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED							

* Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

174,608 records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

D191P

ACCESSION NO. 880082FILETYPE FT191TRACK NO. BR 6629-6651PROJECT
IDENTIFICATION T06A

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECOR
ORIG. TAPE	4-14-88	(95)	A00699	1	120	4080	
DUPLICATE TAPE	4-14-88	(95)	W13649*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

* Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

BR 6629.

ACCESSION NO 880082FILETYPE FT191TRACK NO. B26652-6692PROJECT
IDENTIFICATION T06A

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK	SIZE	NO. RECORDS
ORIG. TAPE	4-14-88	(05)	A 00700	1	120	4080		
DUPLICATE TAPE	4-14-88	(05)	W 14816 *	1	120	4080		
REFORMATTED TAPE								
REFORMATTED DISK								
FIRST MULCHEK								
FINAL MULCHEK								
MPD75 OR F022								
DATA SET FINALIZED								

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

* Tape is non-labeled

59,406
records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

CESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800085	073937	C116		31U5	32OD	OL8601	01/10/86	01/11/86	18	18
8800085	073938	C116		31U5	32OD	OL8602	02/07/86	02/07/86	17	17
8800085	073939	C116		31U5	32OD	OL8603	03/07/86	03/07/86	18	18
8800085	073940	C116		31U5	32OD	OL8605	04/04/86	04/04/86	20	20
8800085	073941	C116		31U5	32OD	OL8606	05/02/86	05/02/86	19	19
8800085	073942	C116		31U5	32OD	OL8607	06/06/86	06/07/86	29	29
8800085	073943	C116		31U5	32OD	OL8608	07/04/86	07/05/86	30	30
8800085	073944	C116		31U5	32OD	OL8609	08/08/86	08/09/86	30	30
8800085	073945	C116		31U5	32OD	OL8610	09/19/86	09/19/86	15	15
8800085	073946	C116		31U5	32OD	OL8611	10/10/86	10/10/86	19	19
8800085	073947	C116		31U5	32OD	OL8612	10/15/86	10/16/86	24	24
8800085	073948	C116		31U5	32OD	OL8613	11/07/86	11/07/86	20	20
8800085	073949	C116		31U5	32OD	OL8614	11/12/86	11/13/86	20	20
8800085	073950	C116		31U5	32OD	OL8616	12/10/86	12/11/86	16	16
8800085	073951	C116	0145	31U5	32NY	QU8601	01/04/86	01/05/86	23	23
8800085	073952	C116	0145	31U5	32NY	QU8602	01/11/86	01/12/86	15	15
8800085	073953	C116	0145	31U5	32NY	QU8603	02/05/86	02/06/86	19	19
8800085	073954	C116	0145	31U5	32NY	QU8604	02/20/86	02/21/86	17	17
8800085	073955	C116	0145	31U5	32NY	QU8605	04/06/86	04/07/86	24	24
8800085	073956	C116	0145	31U5	32NY	QU8606	04/12/86	04/13/86	18	18
8800085	073957	C116	0145	31U5	32NY	QU8607	05/03/86	05/04/86	23	23
8800085	073958	C116	0145	31U5	32NY	QU8608	05/16/86	05/17/86	22	22
8800085	073959	C116	0145	31U5	32NY	QU8609	06/07/86	06/08/86	21	21
8800085	073960	C116	0145	31U5	32NY	QU8610	06/25/86	06/26/86	23	23
8800085	073961	C116	0145	31U5	32NY	QU8611	07/17/86	07/18/86	23	23
8800085	073962	C116	0145	31U5	32NY	QU8612	08/07/86	08/08/86	23	23
8800085	073963	C116	0145	31U5	32NY	QU8613	09/01/86	09/02/86	23	23
8800085	073964	C116	0145	31U5	32NY	QU8614	09/21/86	09/21/86	20	20
8800085	073965	C116	0145	31U5	32NY	QU8615	10/26/86	10/27/86	20	20
8800085	073966	C116	0145	31U5	32NY	QU8616	11/02/86	11/03/86	20	20
8800085	073967	C116	0145	31U5	32NY	QU8617	11/23/86	11/24/86	12	12

8800085

SESSION NO. FILETYPE TRACK NO. PROJECT IDENTIFICATION

FISH XBT NMFS Northeast Fisheries Center, SOP 1986

8800085

	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK	SIZE	NO. RECORDS
1. TAPE	04/07/87	CMH	A00703	31	VB	VB		
2. DUPLICATE TAPE	04/13/87	CMH	W13957	31	VB	VB		
3. FORMATTED TAPE	11-17-88	R.P.S.	W08571 X scan 1		VB	VB		641
4. FORMATTED DISK			see W13957 listing - file block					
5. CHECK MULCHEK			size					
6. CHECK MULCHEK								
7. 5 OR F022								
8. SET FINALIZED								

9. ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: Tape is 9 TRK, NL, 16 00 bpi

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

* LABEL = DNODE * FISHOUT.

11. COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: National Oceanographic Data Center
1825 Connecticut Ave., NW
Washington, D.C. 20235

REFER TO

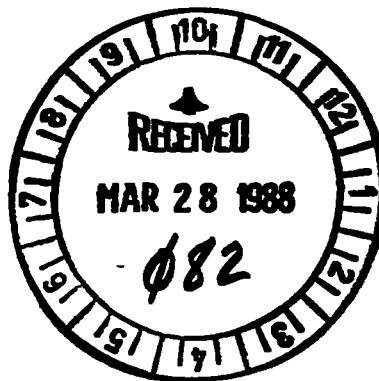
ATTENTION Dr. Tony Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☒ ORDINARY
MAIL☐ REGISTERED
MAIL☐ AIR
MAIL☐ CERTIFIED
MAIL☐ GOVERNMENT
TRUCK☐ BY HAND☐ OTHER

The enclosed reel of tape (FISHXBT) contains the XBT data from the NMFS, Northeast Fisheries Center, ship of opportunity program for year 1986. These data were originally recorded digitally and processed and processed by the NMFS Narragansett Laboratory. These data were converted to the NODC XBT format by this office.

- a..One reel of magnetic tape (9tk, 1600 bpi, ASCII, 31 files, XBT format)
- b..Inventory of tape
- c..Dump of first file. . . .



cc: Grayson Wood, NMFS

8800085
A00703

FORWARDED BY (Signature)

George Heimerdinger

TITLE

NODC Northeast Service Center Rep.

DATE FORWARDED

Mar. 24, 88

RECEIVED BY (Signature)

TITLE

DATE RECEIVED

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: National Oceanographic Data Center
1825 Connecticut Ave., NW
Washington, D.C. 20235

REFER TO

ATTENTION Dr. Tony Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

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TRUCK☐ BY HAND☐ OTHER

The enclosed reel of tape (FISHXBT) contains the XBT data from the NMFS, Northeast Fisheries Center, ship of opportunity program for year 1986. These data were originally recorded digitally and processed and processed by the NMFS Narragansett Laboratory. These data were converted to the NODC UBT format by this office.

- a..One reel of magnetic tape (9tk, 1600 bpi, ASCII, 31 files, UBT format)
- b..Inventory of tape
- c..Dump of first file



cc: Grayson Wood, NMFS

FORWARDED BY (Signature)

George Heimerdinger

TITLE

NODC Northeast Service Center Rep.

DATE FORWARDED

Mar. 24, 88

RECEIVED BY (Signature)

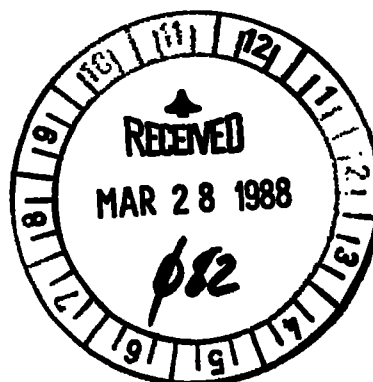
TITLE

DATE RECEIVED

INVENTORY OF TAPE FISHXBT

File #	Cruise ID	Dates	1986	Num. Sta.
1	✓OL8601	Jan 10 - 11	18	sta - 73937
2	✓OL8602	Feb 7 - 7	17	
3	✓OL8603	Mar 7 - 7	18	
4	✓OL8605	Apr 4 - 4	20	
5	✓OL8606	May 2 - 2	19	
6	✓OL8607	Jun 6 - 7	29	
7	✓OL8608	Jul 4 - 5	30	
8	✓OL8609	Aug 8 - 9	30	
9	✓OL8610	Sep 19 - 19	15	
10	✓OL8611	Oct 10 - 10	19	
11	✓OL8612	Oct 15 - 16	24	
12	✓OL8613	Nov 7 - 7	20	
13	✓OL8614	Nov 12 - 13	20	
14	✓OL8616	Dec 10 - 11	16	
15	✓QU8601	Jan 4 - 5	23	
16	✓QU8602	Jan 11 - 12	45	
17	✓QU8603	Feb 5 - 6	19	
18	✓QU8604	Feb 20 - 21	17	
19	✓QU8605	Apr 6 - 7	24	
20	✓QU8606	Apr 12 - 13	18	
21	✓QU8607	May 3 - 4	23	
22	✓QU8608	May 16 - 17	22	
23	✓QU8609	Jun 7 - 8	21	
24	✓QU8610	Jun 25 - 26	23	
25	✓QU8611	Jul 17 - 18	23	
26	✓QU8612	Aug 7 - 8	23	
27	✓QU8613	Sep 1 - 2	23	
28	✓QU8614	Sep 21 - 21	20	
29	✓QU8615	Oct 26 - 27	20	
30	✓QU8616	Nov 2 - 3	20	
31	QU8617	Nov 23 - 24	12	73967

Note: the ships involved are the OLEANDER (OL) and the QUEENY (QU)
the proper ship codes appear in the data



Client: <u>Hartley</u>	673-5636	EG13008N3AH9	SUBMITTED 04/11/88	DATE REC'D ASAP	DATE 09
EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED					

\$-PYTPE to a 'w' tape
Please scan 'w' tape

Bin 09.

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

TAPE/DISKETTE INFORMATION

INPUT	<u>TAPE #1</u> DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	<u>A00703</u>		9	1600	ODD	NL	VB			31
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		PURGE DATE	
	<u>TAPE #1</u> DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		PURGE DATE	
INPUT	<u>TAPE #1</u> DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	<u>W13957</u>		9	1600	ODD	NL	VB			31
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		PURGE DATE	

SPECIAL INSTRUCTIONS

Please send 'w' tape to Asheville, N.C.

ESTIMATED
EXECUTION
TIME

31 USE ONLY

B #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>04/13/88</i>	<i>04/13/88</i>	<i>12:00</i>	<i>12:15</i>	<i>C</i>	<i>COMPLETED BY J.S.</i>

REMARKS

Please scan tape

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

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00703		9	1600						
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS
 Please Return tape A00703
 to Bin 09

ESTIMATED
 EXECUTION
 TIME

1 USE ONLY					
#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
0040701	04/07/88	1505	1517	C	COMPLETED by FL

REMARKS

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
-----	----	-----	----	----	-----	-----	-----	-----
8800082	F291	BR6612	9999	313B	317F	1988/02/01	32302	177916
8800082	F291	BR6613	9999	313B	317F	1988/02/01	41001	177917
8800082	F291	BR6614	9999	313B	317F	1988/02/01	41002	177918
8800082	F291	BR6615	9999	313B	317F	1988/02/01	41006	177919
8800082	F291	BR6616	9999	313B	317F	1988/02/01	42002	177920
8800082	F291	BR6617	9999	313B	317F	1988/02/01	42007	177921
8800082	F291	BR6618	9999	313B	317F	1988/02/01	42015	177922
8800082	F291	BR6619	9999	313B	317F	1988/02/19	44004	177923
8800082	F291	BR6620	9999	313B	317F	1988/02/01	44005	177924
8800082	F291	BR6621	9999	313B	317F	1988/02/01	44006	177925
8800082	F291	BR6622	9999	313B	317F	1988/02/01	44007	177926
8800082	F291	BR6623	9999	313B	317F	1988/02/01	44008	177927
8800082	F291	BR6624	9999	313B	317F	1988/02/25	44009	177928
8800082	F291	BR6625	9999	313B	317F	1988/02/01	44011	177929
8800082	F291	BR6626	9999	313B	317F	1988/02/01	44012	177930
8800082	F291	BR6627	9999	313B	317F	1988/02/01	44013	177931
8800082	F291	BR6628	9999	313B	317F	1988/02/01	45001	177932
8800082	F291	BR6629	9999	313B	317F	1988/02/01	46001	177933
8800082	F291	BR6630	9999	313B	317F	1988/02/01	46002	177934
8800082	F291	BR6631	9999	313B	317F	1988/02/01	46003	177935
8800082	F291	BR6632	9999	313B	317F	1988/02/01	46004	177936
8800082	F291	BR6633	9999	313B	317F	1988/02/01	46005	177937
8800082	F291	BR6634	9999	313B	317F	1988/02/01	46006	177938
8800082	F291	BR6635	9999	313B	317F	1988/02/01	46011	177939
8800082	F291	BR6636	9999	313B	317F	1988/02/01	46012	177940
8800082	F291	BR6637	9999	313B	317F	1988/02/01	46014	177941
8800082	F291	BR6638	9999	313B	317F	1988/02/01	46017	177942
8800082	F291	BR6639	9999	313B	317F	1988/02/01	46022	177943
8800082	F291	BR6640	9999	313B	317F	1988/02/01	46023	177944
8800082	F291	BR6641	9999	313B	317F	1988/02/01	46025	177945
8800082	F291	BR6642	9999	313B	317F	1988/02/03	46026	177946
8800082	F291	BR6643	9999	313B	317F	1988/02/01	46027	177947
8800082	F291	BR6644	9999	313B	317F	1988/02/01	46028	177948
8800082	F291	BR6645	9999	313B	317F	1988/02/01	46035	177949
8800082	F291	BR6646	9999	313B	317F	1988/02/01	46039	177950
8800082	F291	BR6647	9999	313B	317F	1988/02/01	46040	177951
8800082	F291	BR6648	9999	313B	317F	1988/02/01	46041	177952
8800082	F291	BR6649	9999	313B	317F	1988/02/01	46042	177953
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8800082	F291	BR6654	9999	313B	317F	1988/02/01	BUZM3	177958
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8800082	F291	BR6656	9999	313B	317F	1988/02/01	CHLV2	177960
8800082	F291	BR6657	9999	313B	317F	1988/02/01	CLKN7	177961
8800082	F291	BR6658	9999	313B	317F	1988/02/01	CSBF1	177962
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8800082	F291	BR6660	9999	313B	317F	1988/02/01	DESW1	177964
8800082	F291	BR6661	9999	313B	317F	1988/02/01	DPIA1	177965
8800082	F291	BR6662	9999	313B	317F	1988/02/01	DSL7	177966
8800082	F291	BR6663	9999	313B	317F	1988/02/01	FBIS1	177967
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8800082	F291	BR6669	9999	313B	317F	1988/02/01	LKWF1	177973
8800082	F291	BR6670	9999	313B	317F	1988/02/01	MDRM1	177974
8800082	F291	BR6671	9999	313B	317F	1988/02/01	MISM1	177975
8800082	F291	BR6672	9999	313B	317F	1988/02/01	MLRF1	177976
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8800082	F291	BR6676	9999	313B	317F	1988/02/01	PTAC1	177980
8800082	F291	BR6677	9999	313B	317F	1988/02/01	PTAT2	177981
8800082	F291	BR6678	9999	313B	317F	1988/02/01	PTGC1	177982
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8800082	F291	BR6683	9999	313B	317F	1988/02/01	SISW1	177987
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8800082	F291	BR6687	9999	313B	317F	1988/02/01	STDMA	177991
8800082	F291	BR6688	9999	313B	317F	1988/02/01	SVLS1	177992
8800082	F291	BR6689	9999	313B	317F	1988/02/01	TPLM2	177993
8800082	F291	BR6690	9999	313B	317F	1988/02/01	TTIW1	177994
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8800082	F291	BR6692	9999	313B	317F	1988/02/01	WPOW1	177996
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8800082	F291	BR6616	317F	1	2312	88/02/01	88/02/01
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8800082	F291	BR6618	317F	1	44292	88/02/01	88/02/01
8800082	F291	BR6619	317F	1	2904	88/02/19	88/02/19
8800082	F291	BR6620	317F	1	8328	88/02/01	88/02/01
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8800082	F291	BR6683	317F	1	1384	88/02/01	88/02/01
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8800082	F291	BR6685	317F	1	1254	88/02/01	88/02/01
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