

Reference #

BR5751-5775

ACCESSION NUMBER

8700233

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DATA DOCUMENTATION FORM

May 87

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION WASHINGTON, DC 20285

FORM APPROVED O.M.B. No. 41-R2631 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. Ward-Nolan NOAA/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 see enclose letter from NDBA.	
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 05/01/87 05/31/87
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 FTS-494-1721			

Reference #

BR5776-5803

ACCESSION NUMBER

8700233

FMI

DATA DOCUMENTATION FORM

May 87

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION WASHINGTON, DC 20238

FORM APPROVED O.M.B. No. 41-R2631 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
Sallie P. Ward-Nolan
NOAA/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)
-

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)
Buoy

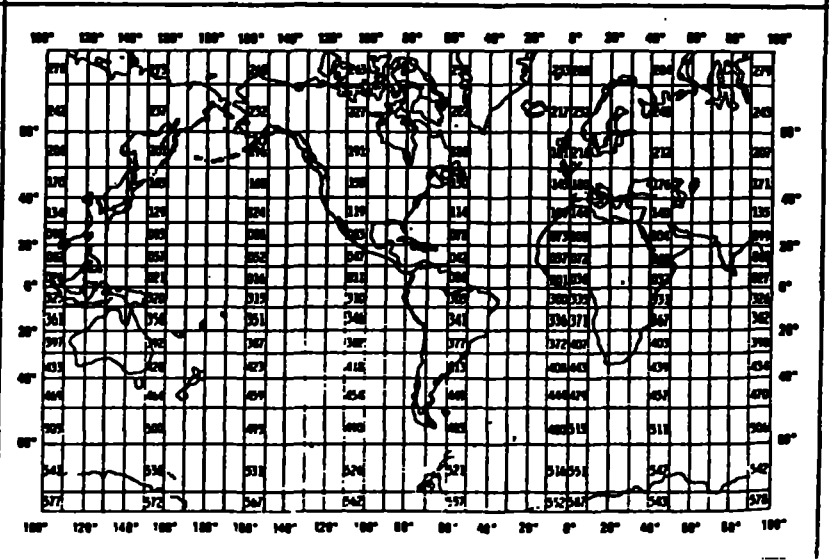
6. PLATFORM AND OPERATOR NATIONALITY(IES)
Buoy USA

7. DATES
FROM: 05/01/87 TO: 05/31/87

8. ARE DATA PROPRIETARY?
[X] NO [ ] 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?)
[X] NO [ ] YES [ ] 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
FTS-494-1721

Reference #

BR 5804-5843

ACCESSION NUMBER

8700233

File

DATA DOCUMENTATION FORM

May 87

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION WASHINGTON, DC 20238

FORM APPROVED O.M.B. No. 41-R2631 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. Ward-Nolan  
NOAA/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)

-

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  
05/01/87 05/31/87

8. ARE DATA PROPRIETARY?

NO  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)?

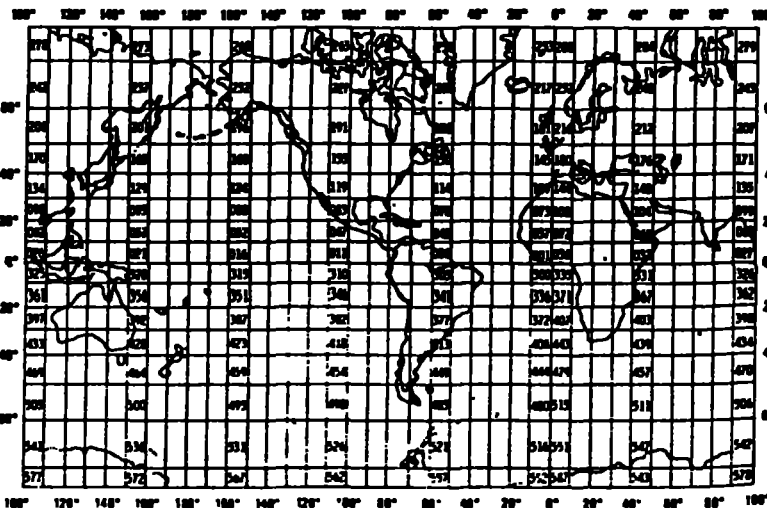
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

NO  YES  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

FTS-494-1721



C. DATA FORMAT

FF 212/7-8-89

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

[Empty box for file organization description]

3. ATTRIBUTES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:  
 NAME AND PHONE NUMBER \_\_\_\_\_  
 ADDRESS \_\_\_\_\_

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY 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"/> 355 BPI <del>_____</del></p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4080</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

RECORD FORMAT DESCRIPTION

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

16. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. 000, 0700)	18. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
<b>DESCRIPTIVE HEADER RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
LATITUDE	27	6		312	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1		A1	"N" or "S" Hemisphere
LONGITUDE	34	7		13, 212	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
<b>ENVIRONMENTAL DATA RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	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 450!)
VISIBILITY	52	3..		I3	Nautical miles, to tenths

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN <small>(e.g., Mm, Bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
PRECIPITATION	55	4		14	Accumulation in millimeters
SOLAR RADIATION	59	3		13	Langley's/minute to hundredths - wave length less than 3.6
SOLAR RADIATION	62	3		13	Langley's/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT	65	3		13	Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD	68	3		13	Seconds to tenths
DOMINANT WAVE DIRECTION	71	3		13	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3		13	Meters to tenths, from reference level
DEEPEST TROUGH SEA SURFACE	77	3		13	Meters to tenths, from reference level
TEMPERATURE SEA SURFACE	80	4		14	Temperature Celsius to hundredths
SALINITY	84	5		15	Parts per thousand to thousandths
CONDUCTIVITY	89	5		15	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD	94	3		13	Seconds to tenths
MAXIMUM WAVE HEIGHT	97	3		13	Meters to tenths
MAXIMUM WAVE STEEPNESS	100	3		13	To be defined
WIND GUST	103	4		14	Meters/sec. to hundredths
WIND GUST (avg. pd.) AVERAGING PERIOD	107	2		12	Seconds
WIND GUST	109	4		14	Meters/sec. to hundredths
WIND GUST	113	2		12	Seconds
WIND SPEED (58 min. average)	115	3		13	Meters/sec. to tenths whole degrees
WIND DIRECTION (58 min. average)	118	3		13	Whole degrees
<b>WAVE SPECTRA DATA RECORD</b>					
FILE TYPE	1	3		A3	"19:" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
INTERVALS PER DIRECTION	27	3		13	Zero for non-directional spectra, or total number of frequencies in this direction
DIRECTION	30	4		14	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. Bits, Bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>WAVE SPECTRA DATA RECORD (cont'd)</b>					
COUNT	34	1		11	Number of frequencies on this record
DATA	35	70		5(214,16)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35, 49, 63 77, 91	4		14	Center frequency of interval in Hertz to thousandths
Resolution	39, 53, 67 81, 95	4		14	Resolution of interval in Hertz to ten-thousandths
Density	43, 57, 71 85, 99	6		16	Spectral Density of interval in m <sup>2</sup> /Hz to thousandths
BLANKS	105	16		16X	Fill the fixed length record
<b>SUBSURFACE TEMPERATURE DATA RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
DATA	27	90		10(15,14)	Up to 10 Depth and temperature fields
Depth	27, 36, 45 54, 63, 72 81, 90, 99 108	5		15	Obs. level, meters to tenths
Temperature	32, 41, 50 59, 68, 77 86, 95, 104 113	4		14	Degrees Celsius to hundredths (include Sea Surface Temperature)
BLANKS	117	4		4X	Fill the fixed length record
<b>SUBSURFACE DATA RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
DATA	27	90		3(15,15,15 15,15,15)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27, 57, 87	5		15	Obs. Level, meters to tenths

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. 8th byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>SUBSURFACE DATA RECORD (cont'd)</b>					
U Component	32, 62, 92	3		I5	East vector in cm/sec. to tenths True north vector in cm/sec. to tenths Kg./cm <sup>2</sup> to hundredths Millionhos/cm to thousandths Parts per 1000 to thousandths Fill the fixed length record
V Component	37, 67, 97	3		I5	
Pressure -	42, 72, 102	3		I5	
Conductivity	47, 77, 107	3		I5	
Salinity	52, 82, 112	3		I5	
BLANKS	117	4		4X	



14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (N.G. DR. Drive)	16. LENGTH		17. ATTRIB. LB	18. USE AND MEASURING
		NUMBER	UNITS		
<b>CO AND QUAD SPECTRA FOR DIRECTIONAL WAVES</b>					
FILE TYPE	1	3	Bytes	13	Always "191" Blank - for use by NODC Always "6" Unique name of observation point Year, month, day (GMT) Hours, minutes (GMT) Center frequency of interval in Hz to .001 Spectral resolution of this frequency band in Hz to ten thousandths 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 $Q_{23}$
BLANK	4	6	Bytes	6x	
RECORD TYPE	10	1	Bytes	A1	
STATION NUMBR	11	6	Bytes	A6	
OBSERVED DATE	17	6	Bytes	312	
OBSERVED TIME	23	4	Bytes	212	
FREQUENCY	27	4	Bytes	I4	
SPECTRAL RESOLUTION	31	5	Bytes	I5	
CO-SPECTRA $C_{11}$	36	6	Bytes	Signed Integers I6	
EXONENT	42	2	Bytes	I2	
CO-SPECTRA $C_{22}$	44	6	Bytes	I6	
EXONENT	50	2	Bytes	I2	
CO-SPECTRA $C_{33}$	52	6	Bytes	I6	
EXONENT	58	2	Bytes	I2	
CO-SPECTRA $C_{12}$	60	6	Bytes	I6	
EXONENT	66	2	Bytes	I2	
QUAD-SPECTRA $Q_{12}$	68	6	Bytes	I6	
EXONENT	74	2	Bytes	I2	
CO-SPECTRA $C_{13}$	76	6	Bytes	I6	
EXONENT	82	2	Bytes	I2	
QUAD-SPECTRA $Q_{13}$	84	6	Bytes	I6	
EXONENT	90	2	Bytes	I2	
CO-SPECTRA $C_{23}$	92	6	Bytes	I6	
EXONENT	98	2	Bytes	I2	
QUAD-SPECTRA $Q_{23}$	100	6	Bytes	I6	
EXONENT	106	2	Bytes	I2	
$C_{22} - C_{33}$	108	6	Bytes	I6	
EXONENT	114	2	Bytes	I2	
BLANKS	116	5	Bytes	5x	

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. 0th, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMERIC	UNITS		
<b>ANGULAR COEFFICIENTS FOR DIRECTIONAL WAVES</b>					
FILE TYPE	1	3	Bytes	13	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	312	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	212	Hour, minutes (GMT)
FREQUENCY	27	4	Bytes	14	Center frequency of interval Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	15	Spectral resolution of this frequency band in Hz to ten thousandths
ANGULAR FOURIER	36	6	Bytes	signed integers 16	Up to 9 <u>corrected</u> values of the angular fourier coefficients in meters <sup>2</sup> /Hz. The order of these coefficients is: a <sub>0</sub> , a <sub>1</sub> , b <sub>1</sub> , a <sub>2</sub> , b <sub>2</sub> , a <sub>3</sub> , b <sub>3</sub> , a <sub>4</sub> , b <sub>4</sub>
EXPONENT	42	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	44	6	Bytes	16	
EXPONENT	50	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	52	6	Bytes	16	
EXPONENT	58	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	60	6	Bytes	16	
EXPONENT	66	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	68	6	Bytes	16	
EXPONENT	74	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	76	6	Bytes	16	
EXPONENT	82	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	84	6	Bytes	16	
EXPONENT	90	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	92	6	Bytes	16	
EXPONENT	98	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	100	6	Bytes	16	
EXPONENT	106	2	Bytes	12	
MEAN WAVE DIRECTION	108	3	Bytes	13	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
<b>DIRECTIONAL WAVE PARAMETER</b>		
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
ClIS (see below)	XXXXX - 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
ClIS (see below)	XXXXX - 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
ClIS (see below)	XXXXX - Recorded in Meters Squared/HZ to Thousandths	112
BLANKS		118

NOTE: DIRECTIONAL WAVE SPECTRA =  $S(F,A) \cdot D(F,A)$ , in which  $F$  = FREQ(HZ),  
 $A$  = Azimuth Angle measured clockwise from North to direction wave is from.  
 $D(F,A) = (1/\pi) \cdot ((1/2) + R1 \cdot \cos(A-A1) + R2 \cdot \cos(2 \cdot (A-A2)))$ ,  
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,  $R1 = (\text{SQRT}(A1^2 + B1^2)) / A0$ ,  $R2 = (\text{SQRT}(A2^2 + B2^2)) / A0$ ,  
 $A1 = \text{ARCTAN}(B1, A1)$ ,  $A2 = (1/2) \text{ARCTAN}(B2, A2) + 0$  or  $\pi$ .  $ClIS(M^2/HZ) = (C22 + C33) / (K \cdot K)$  in which  $K$ , the propagation constant, is the solution to  $W^2 = G \cdot K \cdot \tanh(K \cdot D)$ , in which  $W = 2 \cdot \pi \cdot F$ ,  $G = 9.806 \text{ M}/(\text{SEC}^2)$ , and  $D$  is mean water depth in meters.

*Pls clean and run again.*

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

DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#
INPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#
	A00534		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
----------------------	--------------------------------

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PR DISKETTES-USED, CARDS PUNCHED, CARDS KEYVERI
07/10/87	0850	0850	C	COMPLETED by FL

May 87  
103

SUBMITTED  
7/1/77

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
INPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
	MAY 8 76		9	1600	odd	NL	FB	120	4080	1
INPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
INPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

31 USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PR. DISKETTES USED, CARDS PUNCHED, CARDS KEYVERI
02/05/87	0915	0930	✓	COMPLETED by FL

May 87  
273

SUBMITTED  
7/5/87

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

*Plan*

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	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
MAY87C		9	1600	odd	NL	FR	120	4080	
SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

31 USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PR. DISKETTES-USED, CARDS PUNCHED, CARDS KEYVERII
07/09/87	0931	0942	C	COMPLETED by FL

*4-25-87*

MAY 87  
3093

Green, J.

SUBMITTED  
7/13/87

27

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

copy to W tape and scan output

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

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# F														
SECTOR SIZE						EXCHANGE TYPE		CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME													
TAPE #/ DISKETTE						SLOT #		TRK		DENSITY		PARITY		LABEL TYPE		RECORD TYPE		RECORD LENGTH		MAX. BLOCK SIZE		# F	
A00534								9		1600		odd		NL		FB		120		4080		1	
SECTOR SIZE						EXCHANGE TYPE		CODE: <del>ASCII</del> EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME													
TAPE #/ DISKETTE						SLOT #		TRK		DENSITY		PARITY		LABEL TYPE		RECORD TYPE		RECORD LENGTH		MAX. BLOCK SIZE		# F	
W09547								9		1600		odd		NL		FB		120		4080		1	
SECTOR SIZE						EXCHANGE TYPE		CODE: <del>ASCII</del> EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME													

SPECIAL INSTRUCTIONS

Procedure BR604-3

ESTIMATED  
EXECUTION  
TIME

Attach 5751: Dat

FOR USER ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIF
5751/204	07/13/87	0920	1115	C	COMPLETED by FL

send to Ashwell

May 87.

1083

Green, J.

SUBMITTED  
7/9/87

2

APPARATUS TO BE USED AND FUNCTION TO BE PERFORMED

copy to 'W' tape and scan output

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	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
A00535		9	1600	odd	NL	FB	120	4080	
SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
W09781		9	1600	odd	NL	FB	120	4080	
SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			

SPECIAL INSTRUCTIONS

Procedure BR BUOY 4

Mitch 5776.Dat

ESTIMATED  
EXECUTION  
TIME

31 USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PR DISKETTES-USED, CARDS PUNCHED, CARDS KEYVERI
07/10/87	0930	11:35	C	COMPLETED by FL

97-07-004

send to Asheville

May 87.  
2083



SUBMITTED  
7/9/87

57

INSTRUMENT TO BE USED AND FUNCTION TO BE PERFORMED

Copy to W'tape and scan output

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

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# F
SECTOR SIZE					EXCHANGE TYPE		CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME
A00536		9	1600	odd	NL	FB	120	4080	1
SECTOR SIZE					EXCHANGE TYPE		CODE: <b>(ASCII)</b> EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME
W09025		9	1600	odd	NL	FB	120	4080	1
SECTOR SIZE					EXCHANGE TYPE		CODE: <b>(ASCII)</b> EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME

SPECIAL INSTRUCTIONS

Procedure BRBU04-5

ESTIMATED  
EXECUTION  
TIME

Attach 5804.Dat

FOR USER ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI DISKETTES-USED, CARDS PUNCHED, CARDS KEYVERIF
7071003	07/13/87	0800	0830	C	COMPLETED by PL

Send to Asheville

May 87

3083

ACCESSION NO. 8700233

FILETYPE 191

TRACK NO. BR5751-5775 PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7/13/87	(JD)	A00534	1	120	4080	
DUPLICATE TAPE	7/13/87	(JD)	W09547*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: \* Tape is non-label

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8700233

FILETYPE 191

TRACK NO. BQ5776-5803

PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7/13/87	<i>(initials)</i>	A00535	1	120	4080	
DUPLICATE TAPE	7/13/87	<i>(initials)</i>	W08781*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

*\*Tape is non-label*

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8700233

FILETYPE 191

TRACK NO. AR5804-5843

PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	7/13/87	(DS)	A00536	1	120	4080	
DUPLICATE TAPE	7/13/87	(DS)	W09025*	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-label*

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

# 212/7-8-87



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

June 23, 1987

F360  
DB3:87-0313  
SPN:njm

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 May 1987 9TK 1600 BPI NDBC Archive Tapes, recorded in the 191 Tape Format. Also enclosed is 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.

Sincerely,

Sallie P. Nolan  
ADP Manager

Enclosures



**Attachment**

**Tape 1: 32302 05018700-05318723**  
41001 05018700-05318723  
41002 05018700-05318723  
42001 05018700-05318723  
42002 05018700-05318723  
42003 05018700-05318723  
42007 05198720-05318723  
42015 05018723-05318723  
42107 05018700-05198721  
44004 05018700-05318723  
44005 05018700-05318723  
44007 05018723-05318723  
44008 05018700-05318723  
44009 05018700-05318723  
44011 05018700-05318723  
44012 05018700-05318723  
44013 05018700-05318723  
45001 05018700-05318723  
45002 05018700-05318723  
45003 05018700-05318723  
45004 05018700-05318723  
45005 05018700-05318723  
45006 05018700-05318723  
45007 05018700-05318723  
45008 05018700-05318723

**Tape 2: 46001 05018700-05318723**  
46002 05018700-05318723  
46003 05018700-05318723  
46004 05018700-05318723  
46005 05018700-05318723  
46006 05018700-05318723  
46010 05018700-05318723  
46011 05018700-05318723  
46013 05018700-05318723  
46014 05018700-05318723  
46016 05018700-05318723  
46017 05018700-05318723  
46022 05018700-05318723  
46023 05018700-05318723  
46025 05018700-05318723  
46026 05018700-05318723  
46027 05078715-05318723  
46028 05018700-05318723  
46035 05018700-05318723  
46036 05018700-05318723  
46040 05288702-05318723  
46043 05068701-05318723  
46125 05018700-05318723

51001 05018700-05318723  
51002 05018700-05318723  
51003 05018700-05318723  
51004 05018700-05318723  
51005 05018700-05318723

Tape 3 : ALRF1 05018700-05318723  
ALSN6 05018700-05318723  
BURL1 05018700-05318723  
BUZM3 05018700-05318723  
CARO3 05018700-05318723  
CHLV2 05058716-05318723  
CLKN7 05018700-05318723  
CSBF1 05018700-05318723  
DBLN6 05018700-05318723  
DESW1 05018700-05318723  
DISW3 05018700-05318723  
DPIA1 05018700-05318723  
DSLN7 05018700-05318723  
FBIS1 05018700-05318723  
FFIA2 05018700-05318723  
FPSN7 05018700-05318723  
GDIL1 05018700-05318723  
GLLN6 05018700-05318723  
IOSN3 05018700-05318723  
LKWF1 05018700-05318723  
MDRM1 05018700-05208705  
MISM1 05018700-05318723  
NWPO3 05018700-05318723  
PILM4 05018700-05318723  
PTAC1 05018700-05318723  
PTAT2 05018700-05318723  
PTGC1 05018700-05318723  
ROAM4 05018700-05318723  
SAUF1 05018700-05318723  
SBI01 05018700-05318723  
SGNW3 05018700-05318723  
SISW1 05018700-05318723  
SPGF1 05018700-05318723  
SRST2 05018700-05318723  
STDM4 05018700-05318723  
SVLS1 05018700-05318723  
TPLM2 05018700-05318723  
TTIW1 05018700-05098723  
VENF1 05018700-05318723  
WPOW1 05018700-05318723

ESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8700233	BR5751	F191		313B	317F	32302	05/01/87	05/31/87	1	6,924
8700233	BR5752	F191		313B	317F	41001	05/01/87	05/31/87	1	8,928
8700233	BR5753	F191		313B	317F	41002	05/01/87	05/31/87	1	8,892
8700233	BR5754	F191		313B	317F	42001	05/01/87	05/31/87	1	7,420
8700233	BR5755	F191		313B	317F	42002	05/01/87	05/31/87	1	7,422
8700233	BR5756	F191		313B	317F	42003	05/01/87	05/31/87	1	7,410
8700233	BR5757	F191		313B	317F	42007	05/19/87	05/31/87	1	2,920
8700233	BR5758	F191		313B	317F	42015	05/01/87	05/31/87	1	1,486
8700233	BR5759	F191		313B	317F	42107	05/01/87	05/19/87	1	3,426
8700233	BR5760	F191		313B	317F	44004	05/01/87	05/31/87	1	8,906
8700233	BR5761	F191		313B	317F	44005	05/01/87	05/31/87	1	8,886
8700233	BR5762	F191		313B	317F	44007	05/01/87	05/31/87	1	7,430
8700233	BR5763	F191		313B	317F	44008	05/01/87	05/31/87	1	6,586
8700233	BR5764	F191		313B	317F	44009	05/01/87	05/31/87	1	7,394
8700233	BR5765	F191		313B	317F	44011	05/01/87	05/31/87	1	8,918
8700233	BR5766	F191		313B	317F	44012	05/01/87	05/31/87	1	7,402
8700233	BR5767	F191		313B	317F	44013	05/01/87	05/31/87	1	7,396
8700233	BR5768	F191		313B	317F	45001	05/01/87	05/31/87	1	7,392
8700233	BR5769	F191		313B	317F	45002	05/01/87	05/31/87	1	7,246
8700233	BR5770	F191		313B	317F	45003	05/01/87	05/31/87	1	6,550
8700233	BR5771	F191		313B	317F	45004	05/01/87	05/31/87	1	7,404
8700233	BR5772	F191		313B	317F	45005	05/01/87	05/31/87	1	7,422
8700233	BR5773	F191		313B	317F	45006	05/01/87	05/31/87	1	7,276
8700233	BR5774	F191		313B	317F	45007	05/01/87	05/31/87	1	7,412
8700233	BR5775	F191		313B	317F	45008	05/01/87	05/31/87	1	7,118



ESS SER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8700233	BR5776	F191		313B	317F	46001	05/01/87	05/31/87	1	8,842
8700233	BR5777	F191		313B	317F	46002	05/01/87	05/31/87	1	8,886
8700233	BR5778	F191		313B	317F	46003	05/01/87	05/31/87	1	8,838
8700233	BR5779	F191		313B	317F	46004	05/01/87	05/31/87	1	8,918
8700233	BR5780	F191		313B	317F	46005	05/01/87	05/31/87	1	7,640
8700233	BR5781	F191		313B	317F	46006	05/01/87	05/31/87	1	7,384
8700233	BR5782	F191		313B	317F	46010	05/01/87	05/31/87	1	7,174
8700233	BR5783	F191		313B	317F	46011	05/01/87	05/31/87	1	7,410
8700233	BR5784	F191		313B	317F	46013	05/01/87	05/31/87	1	7,402
8700233	BR5785	F191		313B	317F	46014	05/01/87	05/31/87	1	7,432
8700233	BR5786	F191		313B	317F	46016	05/01/87	05/31/87	1	494
8700233	BR5787	F191		313B	317F	46017	05/01/87	05/31/87	1	492
8700233	BR5788	F191		313B	317F	46022	05/01/87	05/31/87	1	8,892
8700233	BR5789	F191		313B	317F	46023	05/01/87	05/31/87	1	7,422
8700233	BR5790	F191		313B	317F	46025	05/01/87	05/31/87	1	7,432
8700233	BR5791	F191		313B	317F	46026	05/01/87	05/31/87	1	7,414
8700233	BR5792	F191		313B	317F	46027	05/07/87	05/31/87	1	5,814
8700233	BR5793	F191		313B	317F	46028	05/01/87	05/31/87	1	8,892
8700233	BR5794	F191		313B	317F	46035	05/01/87	05/31/87	1	7,412
8700233	BR5795	F191		313B	317F	46036	05/01/87	05/31/87	1	8,882
8700233	BR5796	F191		313B	317F	46040	05/28/87	05/31/87	1	920
8700233	BR5797	F191		313B	317F	46043	05/06/87	05/31/87	1	1,238
8700233	BR5798	F191		313B	317F	46125	05/01/87	05/31/87	1	17,664
8700233	BR5799	F191		313B	317F	51001	05/01/87	05/31/87	1	8,866
8700233	BR5800	F191		313B	317F	51002	05/01/87	05/31/87	1	8,906
8700233	BR5801	F191		313B	317F	51003	05/01/87	05/31/87	1	8,908
8700233	BR5802	F191		313B	317F	51004	05/01/87	05/31/87	1	8,424
8700233	BR5803	F191		313B	317F	51005	05/01/87	05/31/87	1	7,416
8700233	BR5804	F191		313B	317F	ALRF1	05/01/87	05/31/87	1	1,470
8700233	BR5805	F191		313B	317F	ALSN6	05/01/87	05/31/87	1	1,472
8700233	BR5806	F191		313B	317F	BURL1	05/01/87	05/31/87	1	1,486
8700233	BR5807	F191		313B	317F	BUZM3	05/01/87	05/31/87	1	1,484
8700233	BR5808	F191		313B	317F	CARD3	05/01/87	05/31/87	1	1,482
8700233	BR5809	F191		313B	317F	CHLV2	05/05/87	05/31/87	1	1,664
8700233	BR5810	F191		313B	317F	CLKN7	05/01/87	05/31/87	1	1,466
8700233	BR5811	F191		313B	317F	CSBF1	05/01/87	05/31/87	1	1,482
8700233	BR5812	F191		313B	317F	DBLN6	05/01/87	05/31/87	1	1,436
8700233	BR5813	F191		313B	317F	DESW1	05/01/87	05/31/87	1	1,482
8700233	BR5814	F191		313B	317F	DISW3	05/01/87	05/31/87	1	1,484
8700233	BR5815	F191		313B	317F	DPIA1	05/01/87	05/31/87	1	1,484
8700233	BR5816	F191		313B	317F	DSLN7	05/01/87	05/31/87	1	1,484
8700233	BR5817	F191		313B	317F	FBIS1	05/01/87	05/31/87	1	1,488
8700233	BR5818	F191		313B	317F	FFIA2	05/01/87	05/31/87	1	1,484
8700233	BR5819	F191		313B	317F	FPSN7	05/01/87	05/31/87	1	1,480
8700233	BR5820	F191		313B	317F	GDIL1	05/01/87	05/31/87	1	1,388
8700233	BR5821	F191		313B	317F	GLLN6	05/01/87	05/31/87	1	1,432
8700233	BR5822	F191		313B	317F	IOSN3	05/01/87	05/31/87	1	1,480
8700233	BR5823	F191		313B	317F	LKWF1	05/01/87	05/31/87	1	1,484
8700233	BR5824	F191		313B	317F	MDRM1	05/01/87	05/20/87	1	920
8700233	BR5825	F191		313B	317F	MISM1	05/01/87	05/31/87	1	1,484
8700233	BR5826	F191		313B	317F	NWPD3	05/01/87	05/31/87	1	1,484

8700233	BR5827	F191	313B	317F	PILM4	05/01/87	05/31/87	1	1,480
8700233	BR5828	F191	313B	317F	PTAC1	05/01/87	05/31/87	1	1,482
8700233	BR5829	F191	313B	317F	PTAT2	05/01/87	05/31/87	1	1,484
8700233	BR5830	F191	313B	317F	PTGC1	05/01/87	05/31/87	1	1,480
8700233	BR5831	F191	313B	317F	RDAM4	05/01/87	05/31/87	1	1,488
8700233	BR5832	F191	313B	317F	SAUF1	05/01/87	05/31/87	1	1,486
8700233	BR5833	F191	313B	317F	SBIO1	05/01/87	05/31/87	1	1,468
8700233	BR5834	F191	313B	317F	SGNW3	05/01/87	05/31/87	1	1,480
8700233	BR5835	F191	313B	317F	SISW1	05/01/87	05/31/87	1	1,180
8700233	BR5836	F191	313B	317F	SPGF1	05/01/87	05/31/87	1	1,484
8700233	BR5837	F191	313B	317F	SRST2	05/01/87	05/31/87	1	1,480
8700233	BR5838	F191	313B	317F	STDMA	05/01/87	05/31/87	1	1,484
8700233	BR5839	F191	313B	317F	SVLS1	05/01/87	05/31/87	1	1,486
8700233	BR5840	F191	313B	317F	TPLM2	05/01/87	05/31/87	1	1,480
8700233	BR5841	F191	313B	317F	TTIW1	05/01/87	05/09/87	1	428
8700233	BR5842	F191	313B	317F	VENF1	05/01/87	05/31/87	1	1,466
8700233	BR5843	F191	313B	317F	WPDW1	05/01/87	05/31/87	1	1,510

8700233

TO: E/OC12 - C. Noe  
E/OC11 - P. Hedsell  
FROM: E/OC13 - A. Picciolo FJM  
DATE: August 27, 1987  
SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

-----  
-----

DATA INVENTORY AND ARCHIVES BRANCH (E/OC11)

WIND/WAVE SPECTRA (F191)

Acc: 8700233 Ref: BR3176 - 79 4 stations 12,988 records  
(May 1987-partial resubmission)

C/STD (F022/C022)

Acc: 8700115 Ref: TT9893/319715 65 stations 9,170 records  
ALPHA HELIX

CURRENT METERS (F015)

Acc: 8700250 Ref: TT9894-9915 22 stations 7,401 records  
US-PRC Cooperative Cruises (PNEL)

INVENTORY  
Record 4232 on screen  
168156

Record found

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

IEG

DATE OF ENTRY: 08/25/87

REFERENCE NUMBER: BR3176

ACCESSION NUMBER: 8700233

FORMER REFERENCE NUMBER: BR5758 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): 3138

PLATFORM (COUNTRY AND PLATFORM CODES): 313F

PLATFORM TYPE: 3 - Buoy

DINDB CODE 03

ORIGINATORS FILE ID:

ORIGINATORS CRUISE ID: 42015

CRUISE START DATE: 05/01/87

CRUISE END DATE: 05/31/87

Press PgDn

PROJECT CODE:

DATA USE CODE (DUC): 3

to continue

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS:

1

NUMBER OF RECORDS:

1,486

If STA/REC counts are not appropriate then enter -

NUMBER:

UNITS:

AVERAGE REC SIZE:

120

MBYTES:

0.178320

-----  
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

INVENTORY  
Record 4233 on screen  
168157

Record found

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

IEG

DATE OF ENTRY: 08/25/87

REFERENCE NUMBER: BR3177                      ACCESSION NUMBER: 8700233  
FORMER REFERENCE NUMBER: BR5777 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): 313F  
PLATFORM TYPE: 3 - Buoy                      DINDB CODE 03

ORIGINATORS FILE ID:                      ORIGINATORS CRUISE ID: 46002  
CRUISE START DATE: 05/01/87      CRUISE END DATE: 05/31/87      Press PgDn  
PROJECT CODE:                      DATA USE CODE (DUC): 3                      to continue

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS:                      1      NUMBER OF RECORDS:      8,886

If STA/REC counts are not appropriate then enter -

NUMBER:                      UNITS:  
AVERAGE REC SIZE:                      120      MBYTES:                      1.066320

-----  
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

INVENTORY  
Record 4235 on screen  
168159

Record found

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

IEG

DATE OF ENTRY: 08/25/87

REFERENCE NUMBER: BR3179

ACCESSION NUMBER: 8700233

FORMER REFERENCE NUMBER: BR5809

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): 313F

PLATFORM TYPE: 3 - Buoy

DINDB CODE 03

ORIGINATORS FILE ID:

ORIGINATORS CRUISE ID: CHLV2

CRUISE START DATE: 05/05/87

CRUISE END DATE: 05/31/87

Press PgDn

PROJECT CODE:

DATA USE CODE (DUC): 3

to continue

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS:

1

NUMBER OF RECORDS:

1,665

If STA/REC counts are not appropriate then enter -

NUMBER:

UNITS:

AVERAGE REC SIZE:

120

MBYTES:

0.199800

-----  
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

INVENTORY  
Record 4234 on screen  
168158

Record found

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

IEG

DATE OF ENTRY: 08/25/87

REFERENCE NUMBER: BR3178

ACCESSION NUMBER: 8700233

FORMER REFERENCE NUMBER: BR5796

FORMER ACCESSION NUMBER:

(RESUB ONLY)

-----  
INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape

DINDB CODE 09

EXCHANGE (FORMAT): E052 - 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): 313F

PLATFORM TYPE: 3 - Buoy

DINDB CODE 03

ORIGINATORS FILE ID:

ORIGINATORS CRUISE ID: 46040

CRUISE START DATE: 05/28/87

CRUISE END DATE: 05/31/87

Press PgDn

PROJECT CODE:

DATA USE CODE (DUC): 3

to continue

F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS:

1

NUMBER OF RECORDS:

920

If STA/REC counts are not appropriate then enter -

NUMBER:

UNITS:

AVERAGE REC SIZE:

120

MBYTES:

0.110400

-----  
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

*Scan*

INPUT MEDIUM PER CARD DISK <b>(TAPE)</b> KETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <b>(PRINT)</b> TAPE PLOT DISKETTE OTHER(SPECIFY)
---	--

DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI	
SECTOR SIZE    EXCHANGE TYPE    CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)						DATA SET NAME				PU DA
A:00559		9	600	odd	NIL	FB	100	4050	1	
SECTOR SIZE    EXCHANGE TYPE    CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)						DATA SET NAME				PU DA
SECTOR SIZE    EXCHANGE TYPE    CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)						DATA SET NAME				PU DA

AL INSTRUCTIONS	ESTIMATED EXECUTION TIME
-----------------	--------------------------

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES-USED, CARDS PUNCHED, CARDS KEYVERIFIED
08/24/87	08:00	08:05	C	COMPLETED BY J.S.

11-20-87

*May 87  
19.1*



Copy to W1 tape and clean output.

INPUT MEDIUM PER CARD DISK <b>TAPE</b> KETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <b>PRINT</b> <b>TAPE</b> PLOT DISKETTE OTHER(SPECIFY)
---	---

DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
SECTOR SIZE		EXCHANGE TYPE			CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME		
<del>ACC59</del>		9	1600	odd	NL	FB	120	4080	1
SECTOR SIZE		EXCHANGE TYPE			CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME		
<del>W/3243</del>		9	1600	odd	NL	FB	120	4080	1
SECTOR SIZE		EXCHANGE TYPE			CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME		

INSTRUCTIONS

Procedure BR BODY 7

ESTIMATED EXECUTION TIME

Mitch 3176:Dat

SE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
08/24/87	08:00	08:20	C	COMPLETED BY J.S.

May 87  
102.1

ACCESSION NO. 8700233

FILETYPE F191

TRACK NO. BR3176-3179

PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	8-24-87	(J2)	A00559	1	120	4080	
DUPLICATE TAPE	8-24-87	(J2)	W13245* OK	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:

12,958 records  
BR3176.

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)



8-11-87  
U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Data Buoy Center  
NSTL, Mississippi 39529

August 10, 1987

F360  
DB3:87-0391  
SPN:njm

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

Dear Ms. Green:

The May 1987 archive tapes 1, 2, and 3 which were mailed to you previously, contained the following errors:

Tape 1, Station 42015, bottom depth was 17.1, should have been 16.8.

Tape 2, Station 46002 bottom depth was 3291.8, should have been 3425.0.  
Station 46040 bottom depth was 190.7, should have been 110.0.

Tape 3, Station CHLV2 bottom depth was 00.00, should have been 11.6.

The enclosed tape is a rerun of the above stations, and corrects all known problems. Please replace the May 1987 data currently in your files for stations 42015, 46002, 46040, and CHLV2 with these data.

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

Sincerely,

Sallie P. Nolan  
ADP Manager

Enclosure



Reference #

BR3176-3179

ACCESSION NUMBER

8700233

FMI

DATA DOCUMENTATION FORM

May 87

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION WASHINGTON, DC 20238

FORM APPROVED O.M.B. No. 41-R2631 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. Ward-Nolan NOAA/NATIONAL DATA BUOY CENTER NSTL Station, MS 39529			
2. SHIPMENT, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED TOGA		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 42015, 46002, 46040, CKLV2	
4. PLATFORM NAME(S) -	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Buoy	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		Buoy	USA
		7. DATES	
		FROM: MO, DAY, YR	TO: MO, DAY, YR
		05/01/87	05/31/87
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.	
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)		GENERAL AREA	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Sallie P. NOLAN FTS-494-1721			

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</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, V.-LINE 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. bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>DESCRIPTIVE HEADER RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
LATITUDE	27	6		312	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1		A1	"N" or "S" Hemisphere
LONGITUDE	34	7		13, 212	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					
<b>ENVIRONMENTAL DATA RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	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 450!)
VISIBILITY	52	3..		I3	Nautical miles, to tenths

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., 20%, byno)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMB. A	UNITS		
PRECIPITATION	55	4		14	Accumulation in millimeters
SOLAR RADIATION	59	3		13	Langleys/minute to hundredths - wave length less than 3.6
SOLAR RADIATION	62	3		13	Langleys/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT	65	3		13	Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD	68	3		13	Seconds to tenths
DOMINANT WAVE DIRECTION	71	3		13	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3		13	Meters to tenths, from reference level
DEEPEST TROUGH	77	3		13	Meters to tenths, from reference level
SEA SURFACE TEMPERATURE	80	4		14	Temperature Celsius to hundredths
SEA SURFACE SALINITY	84	5		15	Parts per thousand to thousandths
CONDUCTIVITY	89	5		15	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD	94	3		13	Seconds to tenths
MAXIMUM WAVE HEIGHT	97	3		13	Meters to tenths
MAXIMUM WAVE STEEPNESS	100	3		13	To be defined
WIND GUST	103	4		14	Meters/sec. to hundredths
WIND GUST (avg. pd.)	107	2		12	Seconds
AVERAGING PERIOD					
WIND GUST	109	4		14	Meters/sec. to hundredths
WIND GUST	113	2		12	Seconds
WIND SPEED (58 min. average)	115	3		13	Meters/sec. to tenths whole degrees
WIND DIRECTION (58 min. average)	118	3		13	Whole degrees
<b>WAVE SPECTRA DATA RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
INTERVALS PER DIRECTION	27	3		13	Zero for non-directional spectra, or total number of frequencies in this direction
DIRECTION	30	4		14	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record

16. FIELD NAME	17. POSITION FROM-1 MEASURED IN (e.g. bits, bytes)	18. LENGTH		19. ATTRIBUTES	20. USE AND MEANING
		NUMBER	UNITS		
<b>WAVE SPECTRA DATA RECORD (cont'd)</b>					
COUNT	34	1		31	Number of frequencies on this record
DATA	35	70		5(214,16)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35, 49, 63 77, 91	4		14	Center frequency of interval in Hertz to thousandths
Resolution	39, 53, 67 81, 95	4		14	Resolution of interval in Hertz to ten-thousandths
Density	43, 57, 71 85, 99	6		16	Spectral Density of interval in m <sup>2</sup> /Hz to thousandths
BLANKS	105	16		16X	Fill the fixed length record
<b>SUBSURFACE TEMPERATURE DATA RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
DATA	27	90		10(15,14)	Up to 10 Depth and temperature fields
Depth	27, 36, 45 54, 63, 72 81, 90, 99 108	5		15	Obs. level, meters to tenths
Temperature	32, 41, 50 59, 68, 77 86, 95, 104 113	4		14	Degrees Celsius to hundredths (include Sea Surface Temperature)
BLANKS	117	4		4X	Fill the fixed length record
<b>SUBSURFACE DATA RECORD</b>					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	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		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
DATA	27	90		3(15,15,15 15,15,15)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27, 57, 87	5		15	Obs. Level, meters to tenths



14. FIELD NAME	15. POSITION FROM-1 MEASURED IN <small>(e.g. 00m, 01m)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<b>SUBSURFACE DATA RECORD (cont'd)</b>					
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 <sup>2</sup> 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

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

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (No. of. bits. bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMER.	UNITS		
<b>ANGULAR COEFFICIENTS FOR DIRECTIONAL WAVES</b>					
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	312	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	212	Hour, minutes (GMT)
FREQUENCY	27	4	Bytes	I4	Center frequency of interval Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	I5	Spectral resolution of this frequency band in Hz to ten thousandths
ANGULAR FOURIER	36	6	Bytes	signed integers I6	Up to 9 <u>corrected</u> values of the angular fourier coefficients in meters <sup>2</sup> /Hz. The order of these coefficients is: a <sub>0</sub> , a <sub>1</sub> , b <sub>1</sub> , a <sub>2</sub> , b <sub>2</sub> , a <sub>3</sub> , b <sub>3</sub> , a <sub>4</sub> , b <sub>4</sub>
EXPONENT	42	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	44	6	Bytes	I6	
EXPONENT	50	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	52	6	Bytes	I6	
EXPONENT	58	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	68	6	Bytes	I6	
EXPONENT	74	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
MEAN WAVE DIRECTION	108	3	Bytes	I3	Mean wave direction given by $\arctan b_1/a_1$ in whole degrees from true north(opt. entry)
PLANKS	111	10	Bytes	10X	Planks

PARAMETER	DESCRIPTION	SC
<b>DIRECTIONAL WAVE PARAMETER</b>		
RECORD	Always '8'	10
STATION	See Record '1'	11
OBSERVED DATE (GMT)	YTMDD	17
OBSERVED TIME	HEMM	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
C11S (see below)	XXXXX - 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
C11S (see below)	XXXXX - 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
C11S (see below)	XXXXX - Recorded in Meters Squared/HZ to Thousandths	112
BLANKS		118

NOTE: DIRECTIONAL WAVE SPECTRA =  $S(F,A) \cdot D(F,A)$ , in which  $F$  = FREQ(HZ),  $A$  = Azimuth Angle measured clockwise from North to direction wave is from.  $D(F,A) = (1/PI) \cdot ((1/2) + R1 \cdot \cos(A-A1) + R2 \cdot \cos(2 \cdot (A-A2)))$ , 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,  $R1 = (\text{SQRT}(A1 \cdot A1 + B1 \cdot B1)) / A0$ ,  $R2 = (\text{SQRT}(A2 \cdot A2 + B2 \cdot B2)) / A0$ ,  $A1 = \text{ARCTAN}(B1, A1)$ ,  $A2 = (1/2) \text{ARCTAN}(B2, A2) + 0$  or  $PI$ .  $C11S(M^2/HZ) = (C22 + C33) / (K \cdot K)$  in which  $K$ , the propagation constant, is the solution to  $W^2 = G \cdot K \cdot \tanh(K \cdot D)$ , in which  $W = 2 \cdot PI \cdot F$ ,  $G = 9.806 \text{ M}/(\text{SEC} \cdot \text{SEC})$ , and  $D$  is mean water depth in meters.

## Password:

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
8700233	F291	BR3176	9999	313B	313F	1987/05/01	42015	171521
8700233	F291	BR3177	9999	313B	313F	1987/05/01	46002	171522
8700233	F291	BR3178	9999	313B	313F	1987/05/28	46040	171523
8700233	F291	BR5751	9999	313B	317F	1987/05/01	32302	171431
8700233	F291	BR5752	9999	313B	317F	1987/05/01	41001	171432
8700233	F291	BR5753	9999	313B	317F	1987/05/01	41002	171433
8700233	F291	BR5754	9999	313B	317F	1987/05/01	42001	171434
8700233	F291	BR5755	9999	313B	317F	1987/05/01	42002	171435
8700233	F291	BR5756	9999	313B	317F	1987/05/01	42003	171436
8700233	F291	BR5757	9999	313B	317F	1987/05/19	42007	171437
8700233	F291	BR5759	9999	313B	317F	1987/05/01	42107	171438
8700233	F291	BR5760	9999	313B	317F	1987/05/01	44004	171439
8700233	F291	BR5761	9999	313B	317F	1987/05/01	44005	171440
8700233	F291	BR5762	9999	313B	317F	1987/05/01	44007	171441
8700233	F291	BR5763	9999	313B	317F	1987/05/01	44008	171442
8700233	F291	BR5764	9999	313B	317F	1987/05/01	44009	171443
8700233	F291	BR5765	9999	313B	317F	1987/05/01	44011	171444
8700233	F291	BR5766	9999	313B	317F	1987/05/01	44012	171445
8700233	F291	BR5767	9999	313B	317F	1987/05/01	44013	171446
8700233	F291	BR5768	9999	313B	317F	1987/05/01	45001	171447
8700233	F291	BR5769	9999	313B	317F	1987/05/01	45002	171448
8700233	F291	BR5770	9999	313B	317F	1987/05/01	45003	171449
8700233	F291	BR5771	9999	313B	317F	1987/05/01	45004	171450
8700233	F291	BR5772	9999	313B	317F	1987/05/01	45005	171451
8700233	F291	BR5773	9999	313B	317F	1987/05/01	45006	171452
8700233	F291	BR5774	9999	313B	317F	1987/05/01	45007	171453
8700233	F291	BR5775	9999	313B	317F	1987/05/01	45008	171454
8700233	F291	BR5776	9999	313B	317F	1987/05/01	46001	171455
8700233	F291	BR5778	9999	313B	317F	1987/05/01	46003	171456
8700233	F291	BR5779	9999	313B	317F	1987/05/01	46004	171457
8700233	F291	BR5780	9999	313B	317F	1987/05/01	46005	171458
8700233	F291	BR5781	9999	313B	317F	1987/05/01	46006	171459
8700233	F291	BR5782	9999	313B	317F	1987/05/01	46010	171460
8700233	F291	BR5783	9999	313B	317F	1987/05/01	46011	171461
8700233	F291	BR5784	9999	313B	317F	1987/05/01	46013	171462
8700233	F291	BR5785	9999	313B	317F	1987/05/01	46014	171463
8700233	F291	BR5786	9999	313B	317F	1987/05/01	46016	171464
8700233	F291	BR5787	9999	313B	317F	1987/05/01	46017	171465
8700233	F291	BR5788	9999	313B	317F	1987/05/01	46022	171466
8700233	F291	BR5789	9999	313B	317F	1987/05/01	46023	171467
8700233	F291	BR5790	9999	313B	317F	1987/05/01	46025	171468
8700233	F291	BR5791	9999	313B	317F	1987/05/01	46026	171469
8700233	F291	BR5792	9999	313B	317F	1987/05/07	46027	171470
8700233	F291	BR5793	9999	313B	317F	1987/05/01	46028	171471
8700233	F291	BR5794	9999	313B	317F	1987/05/01	46035	171472
8700233	F291	BR5795	9999	313B	317F	1987/05/01	46036	171473
8700233	F291	BR5797	9999	313B	317F	1987/05/06	46043	171474
8700233	F291	BR5798	9999	313B	317F	1987/05/01	46125	171475
8700233	F291	BR5799	9999	313B	317F	1987/05/01	51001	171476
8700233	F291	BR5800	9999	313B	317F	1987/05/01	51002	171477
8700233	F291	BR5801	9999	313B	317F	1987/05/01	51003	171478
8700233	F291	BR5802	9999	313B	317F	1987/05/01	51004	171479
8700233	F291	BR5803	9999	313B	317F	1987/05/01	51005	171480
8700233	F291	BR5804	9999	313B	317F	1987/05/01	ALRF1	171481
8700233	F291	BR5805	9999	313B	317F	1987/05/01	ALSN6	171482
8700233	F291	BR5806	9999	313B	317F	1987/05/01	BURL1	171483

8700233	F291	BR5807	9999	313B	317F	1987/05/01	BUZM3	171484
8700233	F291	BR5808	9999	313B	317F	1987/05/01	CARO3	171485
8700233	F291	BR5809	9999	313B	317F	1987/05/05	CHLV2	171486
8700233	F291	BR5810	9999	313B	317F	1987/05/01	CLKN7	171487
8700233	F291	BR5811	9999	313B	317F	1987/05/01	CSBF1	171488
8700233	F291	BR5812	9999	313B	317F	1987/05/01	DBLN6	171489
8700233	F291	BR5813	9999	313B	317F	1987/05/01	DESW1	171490
8700233	F291	BR5814	9999	313B	317F	1987/05/01	DISW3	171491
8700233	F291	BR5815	9999	313B	317F	1987/05/01	DPIA1	171492
8700233	F291	BR5816	9999	313B	317F	1987/05/01	DSLN7	171493
8700233	F291	BR5817	9999	313B	317F	1987/05/01	FBIS1	171494
8700233	F291	BR5818	9999	313B	317F	1987/05/01	FFIA2	171495
8700233	F291	BR5819	9999	313B	317F	1987/05/01	FPSN7	171496
8700233	F291	BR5820	9999	313B	317F	1987/05/01	GDIL1	171497
8700233	F291	BR5821	9999	313B	317F	1987/05/01	GLLN6	171498
8700233	F291	BR5822	9999	313B	317F	1987/05/01	IOSN3	171499
8700233	F291	BR5823	9999	313B	317F	1987/05/01	LKWF1	171500
8700233	F291	BR5824	9999	313B	317F	1987/05/01	MDRM1	171501
8700233	F291	BR5825	9999	313B	317F	1987/05/01	MISM1	171502
8700233	F291	BR5826	9999	313B	317F	1987/05/01	NWPO3	171503
8700233	F291	BR5827	9999	313B	317F	1987/05/01	PILM4	171504
8700233	F291	BR5828	9999	313B	317F	1987/05/01	PTAC1	171505
8700233	F291	BR5829	9999	313B	317F	1987/05/01	PTAT2	171506
8700233	F291	BR5830	9999	313B	317F	1987/05/01	PTGC1	171507
8700233	F291	BR5831	9999	313B	317F	1987/05/01	ROAM4	171508
8700233	F291	BR5832	9999	313B	317F	1987/05/01	SAUF1	171509
8700233	F291	BR5833	9999	313B	317F	1987/05/01	SBIO1	171510
8700233	F291	BR5834	9999	313B	317F	1987/05/01	SGNW3	171511
8700233	F291	BR5835	9999	313B	317F	1987/05/01	SISW1	171512
8700233	F291	BR5836	9999	313B	317F	1987/05/01	SPGF1	171513
8700233	F291	BR5837	9999	313B	317F	1987/05/01	SRST2	171514
8700233	F291	BR5838	9999	313B	317F	1987/05/01	STDMA	171515
8700233	F291	BR5839	9999	313B	317F	1987/05/01	SVLS1	171516
8700233	F291	BR5840	9999	313B	317F	1987/05/01	TPLM2	171517
8700233	F291	BR5841	9999	313B	317F	1987/05/01	TTIW1	171518
8700233	F291	BR5842	9999	313B	317F	1987/05/01	VENF1	171519
8700233	F291	BR5843	9999	313B	317F	1987/05/01	WPOW1	171520

(93 rows affected)

## Password:

accNo	flea	refNo	ship	staCnt	recCnt	startDate	endDate
8700233	F291	BR3176	313F	1	1486	87/05/01	87/05/01
8700233	F291	BR3177	313F	1	8886	87/05/01	87/05/01
8700233	F291	BR3178	313F	1	920	87/05/28	87/05/28
8700233	F291	BR5751	317F	1	6924	87/05/01	87/05/01
8700233	F291	BR5752	317F	1	8928	87/05/01	87/05/01
8700233	F291	BR5753	317F	1	8892	87/05/01	87/05/01
8700233	F291	BR5754	317F	1	7420	87/05/01	87/05/01
8700233	F291	BR5755	317F	1	7422	87/05/01	87/05/01
8700233	F291	BR5756	317F	1	7410	87/05/01	87/05/01
8700233	F291	BR5757	317F	1	2920	87/05/19	87/05/19
8700233	F291	BR5759	317F	1	3426	87/05/01	87/05/01
8700233	F291	BR5760	317F	1	8906	87/05/01	87/05/01
8700233	F291	BR5761	317F	1	8886	87/05/01	87/05/01
8700233	F291	BR5762	317F	1	7430	87/05/01	87/05/01
8700233	F291	BR5763	317F	1	6586	87/05/01	87/05/01
8700233	F291	BR5764	317F	1	7394	87/05/01	87/05/01
8700233	F291	BR5765	317F	1	8918	87/05/01	87/05/01
8700233	F291	BR5766	317F	1	7402	87/05/01	87/05/01
8700233	F291	BR5767	317F	1	7396	87/05/01	87/05/01
8700233	F291	BR5768	317F	1	7392	87/05/01	87/05/01
8700233	F291	BR5769	317F	1	7246	87/05/01	87/05/01
8700233	F291	BR5770	317F	1	6550	87/05/01	87/05/01
8700233	F291	BR5771	317F	1	7404	87/05/01	87/05/01
8700233	F291	BR5772	317F	1	7422	87/05/01	87/05/01
8700233	F291	BR5773	317F	1	7276	87/05/01	87/05/01
8700233	F291	BR5774	317F	1	7412	87/05/01	87/05/01
8700233	F291	BR5775	317F	1	7118	87/05/01	87/05/01
8700233	F291	BR5776	317F	1	8842	87/05/01	87/05/01
8700233	F291	BR5778	317F	1	8838	87/05/01	87/05/01
8700233	F291	BR5779	317F	1	8918	87/05/01	87/05/01
8700233	F291	BR5780	317F	1	7640	87/05/01	87/05/01
8700233	F291	BR5781	317F	1	7384	87/05/01	87/05/01
8700233	F291	BR5782	317F	1	7174	87/05/01	87/05/01
8700233	F291	BR5783	317F	1	7410	87/05/01	87/05/01
8700233	F291	BR5784	317F	1	7402	87/05/01	87/05/01
8700233	F291	BR5785	317F	1	7432	87/05/01	87/05/01
8700233	F291	BR5786	317F	1	494	87/05/01	87/05/01
8700233	F291	BR5787	317F	1	492	87/05/01	87/05/01
8700233	F291	BR5788	317F	1	8892	87/05/01	87/05/01
8700233	F291	BR5789	317F	1	7422	87/05/01	87/05/01
8700233	F291	BR5790	317F	1	7432	87/05/01	87/05/01
8700233	F291	BR5791	317F	1	7414	87/05/01	87/05/01
8700233	F291	BR5792	317F	1	5814	87/05/07	87/05/07
8700233	F291	BR5793	317F	1	8892	87/05/01	87/05/01
8700233	F291	BR5794	317F	1	7412	87/05/01	87/05/01
8700233	F291	BR5795	317F	1	8882	87/05/01	87/05/01
8700233	F291	BR5797	317F	1	1238	87/05/06	87/05/06
8700233	F291	BR5798	317F	1	17664	87/05/01	87/05/01
8700233	F291	BR5799	317F	1	8866	87/05/01	87/05/01
8700233	F291	BR5800	317F	1	8906	87/05/01	87/05/01
8700233	F291	BR5801	317F	1	8908	87/05/01	87/05/01
8700233	F291	BR5802	317F	1	8424	87/05/01	87/05/01
8700233	F291	BR5803	317F	1	7416	87/05/01	87/05/01
8700233	F291	BR5804	317F	1	1470	87/05/01	87/05/01
8700233	F291	BR5805	317F	1	1472	87/05/01	87/05/01
8700233	F291	BR5806	317F	1	1486	87/05/01	87/05/01

8700233	F291	BR5807	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5808	317F	1	1482	87/05/01	87/05/01
8700233	F291	BR5809	317F	1	1664	87/05/05	87/05/05
8700233	F291	BR5810	317F	1	1466	87/05/01	87/05/01
8700233	F291	BR5811	317F	1	1482	87/05/01	87/05/01
8700233	F291	BR5812	317F	1	1436	87/05/01	87/05/01
8700233	F291	BR5813	317F	1	1482	87/05/01	87/05/01
8700233	F291	BR5814	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5815	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5816	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5817	317F	1	1488	87/05/01	87/05/01
8700233	F291	BR5818	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5819	317F	1	1480	87/05/01	87/05/01
8700233	F291	BR5820	317F	1	1388	87/05/01	87/05/01
8700233	F291	BR5821	317F	1	1432	87/05/01	87/05/01
8700233	F291	BR5822	317F	1	1480	87/05/01	87/05/01
8700233	F291	BR5823	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5824	317F	1	920	87/05/01	87/05/01
8700233	F291	BR5825	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5826	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5827	317F	1	1480	87/05/01	87/05/01
8700233	F291	BR5828	317F	1	1482	87/05/01	87/05/01
8700233	F291	BR5829	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5830	317F	1	1480	87/05/01	87/05/01
8700233	F291	BR5831	317F	1	1488	87/05/01	87/05/01
8700233	F291	BR5832	317F	1	1486	87/05/01	87/05/01
8700233	F291	BR5833	317F	1	1468	87/05/01	87/05/01
8700233	F291	BR5834	317F	1	1480	87/05/01	87/05/01
8700233	F291	BR5835	317F	1	1180	87/05/01	87/05/01
8700233	F291	BR5836	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5837	317F	1	1480	87/05/01	87/05/01
8700233	F291	BR5838	317F	1	1484	87/05/01	87/05/01
8700233	F291	BR5839	317F	1	1486	87/05/01	87/05/01
8700233	F291	BR5840	317F	1	1480	87/05/01	87/05/01
8700233	F291	BR5841	317F	1	428	87/05/01	87/05/01
8700233	F291	BR5842	317F	1	1466	87/05/01	87/05/01
8700233	F291	BR5843	317F	1	1510	87/05/01	87/05/01

(93 rows affected)