BR4886-4908 | ACCESSION NUMBER 8600395

F191

DATA DOCUMENTATION FORM

September 1986

NOAA FORM 24-13 (C-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 0648-0024
EXPIRES 2.29.88

(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
(Tropical Ocean / Global Atmos. Program)

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

32302, 41001, 41002, 42001-42003, 42007, 42009, 44004, 44005, 44007-44009, 44011, 44013, 45001-45008

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
—	BUOY	BUOY	USA	09/01/86	09/30/86

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

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)

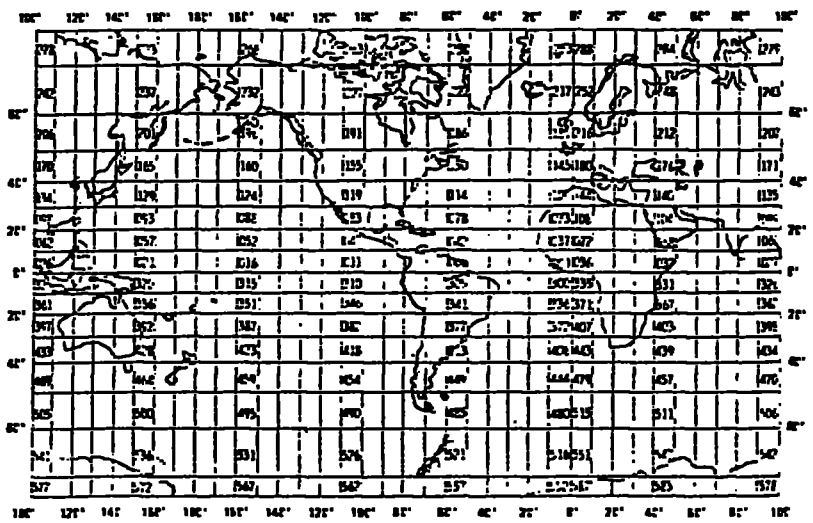
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Sallie P. Ward-Nolan

FTS-494-1721

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

Reference # | BE4919-4947 | ACCESSION NUMBER | 8600395

F191

DATA DOCUMENTATION FORM

September 1986

NOAA FORM 24-13 (4-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 0648-0124
EXPIRES 2/29/88

(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.)

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A. ORIGINATOR IDENTIFICATION

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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
(Tropical Ocean / Global Atmos. Program)

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

46001-46006, 46010-46014, 46016, 46017, 46022, 46023, 46025, 46026, 46028-46030, 46035-46038, 51001-51005

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
—	BUOY	BUOY	USA	09/01/86	09/30/86

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

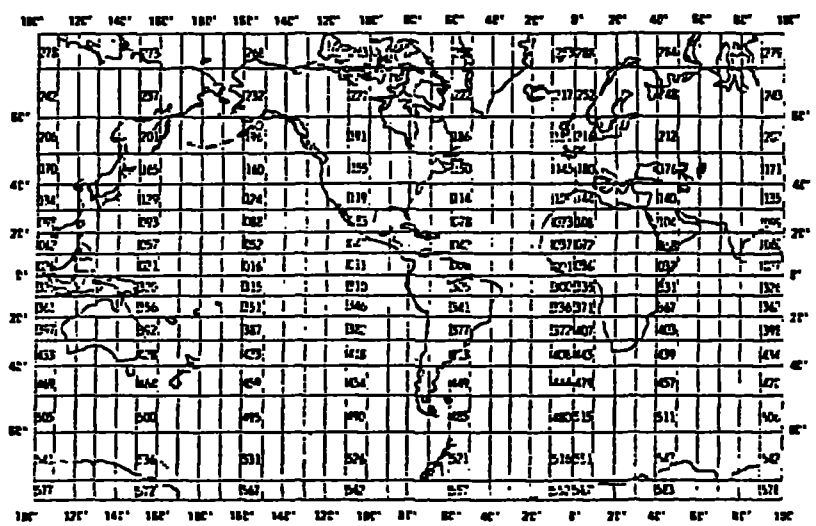
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Sallie P. Ward-Nolan
FTS-494-1721

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

Reference # BR4958-4997 | ACCESSION NUMBER 8600395

F191

DATA DOCUMENTATION FORM

September 1986

NOAA FORM 24-13 (2-85)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
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EXPIRES 2/29/88

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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
(Tropical Ocean / Global Atmos. Progra)

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

ALEF1, ALSN6, BURL2, BUZM3, CARO3, CHLV2, CLKN7, CSBF2, DBLM4, DESW7, DISW3, DSLN7, FBIS2, FFIA2, FRNT, 6AIL2, 6LLN6, FOSN3, LKWF1, MDRM2, MISM2, NWP03, PILM4, PTAC1, PTAT2, PTAC3, RDAM4, SAUF2, SBJO2,

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
—	B404	B404	USA	09/01/86	09/30/86

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.

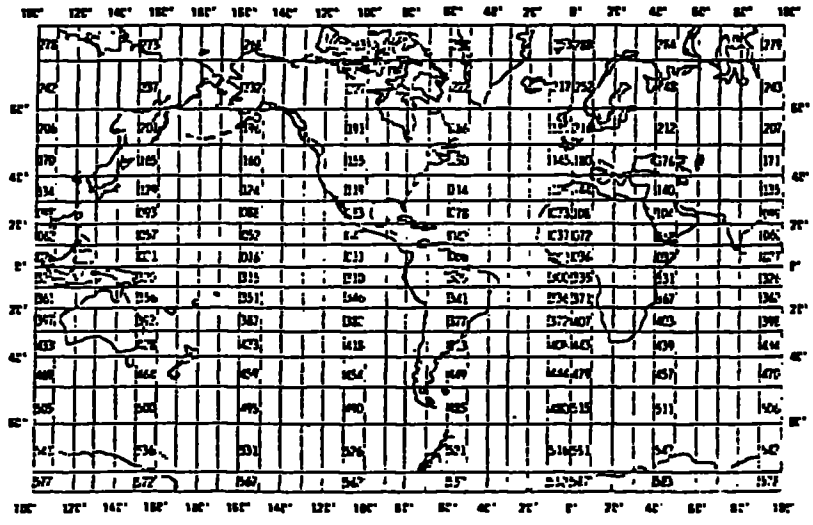
GENERAL AREA

7SGNW3, SISW2, STLF1, SP6F1, SRST2, STDM4, SVBS1, TPLM2, TTIW1, VENF1, WPOW1

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. Ward-Nolan

FTS-494-1721

NOAA FORM 24-13

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 ☐ CONOL
☒ FORTRAN ☐ _____ LANGUAGE

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

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

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

7. PARITY
☒ ODD
☐ EVEN

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

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

10. END OF FILE MARK
☒ OCTAL 17
☐ _____

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

12. PHYSICAL BLOCK LENGTH IN BYTES
4080

13. LENGTH OF BYTES IN BITS
8

RECORD FORMAT DESCRIPTION

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

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
DESCRIPTIVE HEADER RECORD					
FILE TYPE	1	3		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 NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. bits, bytes)	15. LENGTH NUMBER	LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
PRECIPITATION	55	4		I4	Accumulation in millimeters
SOLAR RADIATION	59	3		I3	Langleys/minute to hundredths - wave length less than 3.6
SOLAR RADIATION	62	3		I3	Langleys/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT	65	3		I3	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.) AVERAGING PERIOD	107	2		I2	Seconds
WIND GUST	109	4		I4	Meters/sec. to hundredths
WIND GUST	113	2		I2	Seconds
WIND SPEED(58 min. average)	115	3		I3	Meters/sec. to tenths whole degrees
WIND DIRECTION(58 min. average)	118	3		I3	Whole degrees
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 NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
WAVE SPECTRA DATA RECORD (cont'd)					
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 NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
SUBSURFACE DATA RECORD (cont'd)					
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., bits, bytes)	15. LENGTH NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
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 uncorrected values of Co and Quad spectra in meters squared/Hz. The order these spectra are presented is: C_{11}, C_{22}, C_{33}, C_{12}, Q_{12}, C_{13}, Q_{13}, C_{23}, and Q_{23}
EXPONENT	42	2	Bytes	I2	Where subscripts are defined as follows: 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	
EXPONENT	58	2	Bytes	I2	
CO-SPECTRA C_{12}	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	If the exponent is less than -9 the exponent and its associated spectra should be zero
QUAD-SPECTRA Q_{12}	68	6	Bytes	I6	
EXPONENT	74	2	Bytes	I2	
CO-SPECTRA C_{13}	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
QUAD-SPECTRA Q_{13}	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
CO-SPECTRA C_{23}	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
QUAD-SPECTRA Q_{23}	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
$C_{22} - C_{33}$	108	6	Bytes	I6	
EXPONENT	114	2	Bytes	I2	
BLANKS	116	5	Bytes	5x	

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g. bits, bytes)	15. LENGTH NUMBER	LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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 corrected values of the angular fourier coefficients in meters^2/Hz. The order of these coefficients is: $a_0, a_1, b_1, a_2, b_2, a_3, b_3, a_4, b_4$
EXPONENT	42	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	44	6	Bytes	I6	
EXPONENT	50	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	52	6	Bytes	I6	
EXPONENT	58	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	68	6	Bytes	I6	
EXPONENT	74	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
MEAN WAVE DIRECTION	108	3	Bytes	I3	Mean wave direction given by arctan b_1/a_1 in whole degrees from true north(opt. entry)
BLANKS	111	10	Bytes	10X	Blanks

NOAA FORM 24-13

USCOMM-DC 44289-P72

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
C11S (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
C11S (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
C11S (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. C11S(M*M/HZ) = (C22+C33)/(K*K) in which K, the propagation constant, is the solution to W*W = G*K*TANH(K*D), in which W = 2*PI*F, G = 9.806 M/(SEC*SEC), and D is mean water depth in meters.

#413; 12-9-86

DATE 09/86 STATION ID	POSITIONS LAT.	LONG.	WAVES	STATION TYPE
32302	18.0	85.1	WA	BUOY
41001	34.9	72.9	WDA	BUOY
41002	32.3	75.3	WDA	BUOY
42001	25.9	89.7	WDA	BUOY
42002	26.0	93.5	WDA	BUOY
42003	26.0	85.9	WDA	BUOY
42007	30.1	88.9	WDA	BUOY
42009	29.3	87.5	WDA	BUOY
44004	38.5	70.7	WDA	BUOY
44005	42.7	68.3	WDA	BUOY
44007	43.5	70.1	WA	BUOY
44008	40.5	69.5	WA	BUOY
44009	38.5	74.6	WA	BUOY
44011	41.1	66.6	WDA	BUOY
44013	42.4	70.8	WA	BUOY
45001	48.0	87.7	WDA	BUOY
45002	45.3	86.4	WA	BUOY
45003	45.3	82.8	WA	BUOY
45004	47.6	86.5	WA	BUOY
45005	41.7	82.4	WA	BUOY
45006	47.3	89.8	WA	BUOY
45007	42.7	87.1	WA	BUOY
45008	44.3	82.4	WA	BUOY
46001	56.3	148.3	WDA	BUOY
46002	42.5	130.3	WDA	BUOY
46003	51.9	155.9	WDA	BUOY
46004	50.9	135.9	WDA	BUOY
46005	46.1	131.0	WDA	BUOY
46006	40.8	137.6	WDA	BUOY
46010	46.2	124.2	WA	BUOY
46011	34.9	120.9	WDA	BUOY
46012	37.4	122.7	WDA	BUOY
46013	38.2	123.3	WDA	BUOY
46014	39.2	124.0	WDA	BUOY
46016	63.3	170.3	N/A	LAND
46017	60.3	172.3	N/A	LAND
46022	40.8	124.5	WDA	BUOY
46023	34.3	120.7	WDA	BUOY
46025	33.6	119.0	WDA	BUOY
46026	37.8	122.7	WDA	BUOY
46028	35.8	121.9	WDA	BUOY
46029	46.2	124.2	N/A	BUOY
46030	40.4	124.5	N/A	BUOY
46035	57.0	177.7	WDA	BUOY
46036	48.3	133.9	WDA	BUOY
46037	48.3	133.8	N/A	BUOY
46038	41.9	124.4	N/A	BUOY
46125	33.8	119.1	DWA	BUOY
51001	23.4	162.3	WDA	BUOY
51002	17.2	157.8	WDA	BUOY
51003	19.2	160.8	WDA	BUOY
51004	17.5	152.6	WDA	BUOY
51005	20.3	156.1	WA	BUOY
ALRF1	24.9	80.6	N/A	LAND
ALSN6	40.5	73.8	N/A	LAND
BURL1	28.9	89.4	N/A	LAND
BUZM3	41.0	71.0	N/A	LAND
CARO3	43.3	124.4	N/A	LAND
CHLV2	36.9	75.7	WA	LAND

CLKN7	34.6	76.5	N/A	LAND
CSBF1	29.7	85.4	N/A	LAND
DBLN6	42.5	79.4	N/A	LAND
DESW1	47.7	124.5	N/A	LAND
DISW3	47.1	90.7	N/A	LAND
DSLN7	35.2	75.3	N/A	LAND
FBIS1	32.7	79.9	N/A	LAND
FFIA2	57.3	133.6	N/A	LAND
FPSN7	33.5	77.6	N/A	LAND
GDIL1	29.3	89.9	N/A	LAND
GLLN6	43.9	76.4	N/A	LAND
IOSN3	42.9	70.6	N/A	LAND
LKWF1	26.6	80.0	N/A	LAND
MDRM1	44.0	68.1	N/A	LAND
MISM1	43.8	68.9	N/A	LAND
NWPO3	44.6	124.1	N/A	LAND
PILM4	48.2	88.4	N/A	LAND
PTAC1	38.9	123.7	N/A	LAND
PTAT2	27.8	97.1	N/A	LAND
PTGC1	34.6	120.7	N/A	LAND
ROAM4	47.9	89.3	N/A	LAND
SAUF1	29.9	81.3	N/A	LAND
SBIO1	41.7	82.8	N/A	LAND
SGNW3	43.8	87.7	N/A	LAND
SISW1	48.3	122.9	N/A	LAND
SJLF1	30.4	81.4	N/A	LAND
SPGF1	26.7	79.0	N/A	LAND
SRST2	29.7	94.1	N/A	LAND
STDM4	47.2	87.2	N/A	LAND
SVLS1	32.0	80.7	N/A	LAND
TPLM2	38.9	76.4	N/A	LAND
TTIW1	48.4	124.7	N/A	LAND
VENF1	27.1	82.5	N/A	LAND
WPOW1	47.7	122.4	N/A	LAND

ACCESSION NO. 8600395 FILETYPE F191 TRACK NO. BR4886-4905 PROJECT IDENTIFICATION TOGO

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	1/8/87	[illegible]	A00368	1	120	4080	
DUPLICATE TAPE	1/8/87	[illegible]	W11199 *	1	120	4080	165920
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.)

DB486.C

.Fuse C CHDATA *BR4886.

ACCESSION NO. 8600385 FILETYPE F191 TRACK NO. BR4912 4947 PROJECT IDENTIFICATION TOGO

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	1/8/87	[illegible]	A00369	1	120	4080	
DUPLICATE TAPE	1/8/87	[illegible]	W11300*	1	120	4080	177666
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.)

ACCESSION NO. 8600395 FILETYPE 191 TRACK NO. BR4958-4997 PROJECT IDENTIFICATION TOGO

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO RECO
ORIG. TAPE	1/8/87	JS	A00370	1	120	4080	
DUPLICATE TAPE	1/8/87	JS	W11315*	1	120	4080	T
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK						59,936	Recd
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

* Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

Fuss C

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN
Green			12/9/86		27

IPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Scan

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

PE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	SEPT86		9	1600	~~Odd~~	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

B #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
5011100	12/10/86	09:10	09:10	C	COMPLETED BY JAMES

MENTS

F191
Sept 86
010703

ER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN
Green			12/9/86		27

UIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Green

PUT MEDIUM
PAPER CARD DISK (TAPE)
ISKETTE OTHER(SPECIFY)

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

PE/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
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
	SEP186		9	1600	Od	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
PUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

1 USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRIN DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
5.15.18.03	12/10/86	09:00	09:05	C	COMPLETED BY JAMES

ENTS

F191
Sept. 86
020803

Green

ORG/TASK #	DATE SUBMITTED	DATE DUE	BIT
	12/9/86		27

JIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Acct

PUT MEDIUM
PAPER CARD DISK (TAPE)
ISKETTE OTHER(SPECIFY)

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

PE/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
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
	SEP86		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FIL
PUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT

CIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

I USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRIN DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
11584	12/10/86	0803	08.06	C	COMPLETED BY JAMES

ITS

F191
Sept 86
03803

Klein, Trish		ORG/TASK #	DATE SUBMITTED 12/16/86	DATE DUE	BIN 27

IPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Scan output/make two inventory list

UT MEDIUM
APER CARD DISK (TAPE)
SKETTE OTHER(SPECIFY)

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

E/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
UT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	A00368		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	W11199		9	1600	odd	NL	FB	120	4080	1
PUT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE

IAL INSTRUCTIONS

Procedure BRBU04 28

Match 4886.Dat

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
861246.04	12/18/86	0755	0930	C	COMPLETED BY FL

EMTS

Send to Asheville

September 86
01803

NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN
Klein, Trish			12/16/86		25

IPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Scan output/make two inventory list.

UT MEDIUM
APER CARD DISK (TAPE)
SKETTE OTHER(SPECIFY)

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

E/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE
UT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	A00369		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	W11360		9	1600	odd	NL	FB	120	4080	1
PUT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE

CIAL INSTRUCTIONS

Procedure BRBU04 29

Mitch 4919 Dat

ESTIMATED EXECUTION TIME

USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTI DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIE
	12/18/86	0430	11:05	C	COMPLETED 64

EMTS

Send to Asheville

Sept 86
02.03

ER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN
Green, Trish			12/16/86		27

UIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Scan output / Make two inventory list

PUT MEDIUM
PAPER CARD DISK (TAPE)
ISKETTE OTHER(SPECIFY)

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

PE/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
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# C FIL
	A00370		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	W11315		9	1600	odd	NL	FB	120	4080	1
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT

CIAL INSTRUCTIONS

Procedure BRBU04.30

Mitch.4958.Dat

ESTIMATED EXECUTION TIME

1 USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIE
86/12/16 06	12/18/86	11:20	12:00	C	

ITS

send to Asheville

Sept. 86
03803

TO: E/OC12 - C. Noe
E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

DATE: February 13, 1987

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVES BRANCH (E/OC11)

Wind/Wave Spectra (F191)

Acc: 8600395 Ref: BR4886 - 4908; BR4919 - 4947; BR4958 - 4997

92 stations 403,522 records SEPTEMBER 86

Drifting Buoys (F156)

Acc: 8700030 Ref: TT8571 - 8623 53 stations 12,249 records

SEPTEMBER 86

DATA PROCESSING BRANCH (E/OC12) XBT's

cc: E/OC1 - I. Perlroth

ESS BER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600395	BR4886	F191		313B	317F	32302	09/01/86	09/30/86	1	6,636
8600395	BR4887	F191		313B	317F	41001	09/01/86	09/30/86	1	8,558
8600395	BR4888	F191		313B	317F	41002	09/01/86	09/30/86	1	8,576
8600395	BR4889	F191		313B	317F	42001	09/01/86	09/30/86	1	7,110
8600395	BR4890	F191		313B	317F	42002	09/01/86	09/18/86	1	4,164
8600395	BR4891	F191		313B	317F	42003	09/01/86	09/30/86	1	7,140
8600395	BR4892	F191		313B	317F	42007	09/01/86	09/30/86	1	7,110
8600395	BR4893	F191		313B	317F	42009	09/01/86	09/30/86	1	7,054
8600395	BR4894	F191		313B	317F	44004	09/01/86	09/30/86	1	8,630
8600395	BR4895	F191		313B	317F	44005	09/01/86	09/30/86	1	8,620
8600395	BR4896	F191		313B	317F	44007	09/01/86	09/30/86	1	7,174
8600395	BR4897	F191		313B	317F	44008	09/01/86	09/30/86	1	7,102
8600395	BR4898	F191		313B	317F	44009	09/01/86	09/30/86	1	7,116
8600395	BR4899	F191		313B	317F	44011	09/01/86	09/30/86	1	7,446
8600395	BR4900	F191		313B	317F	44013	09/01/86	09/30/86	1	7,166
8600395	BR4901	F191		313B	317F	45001	09/01/86	09/30/86	1	7,068
8600395	BR4902	F191		313B	317F	45002	09/01/86	09/30/86	1	6,462
8600395	BR4903	F191		313B	317F	45003	09/01/86	09/30/86	1	7,032
8600395	BR4904	F191		313B	317F	45004	09/01/86	09/30/86	1	7,112
8600395	BR4905	F191		313B	317F	45005	09/01/86	09/30/86	1	7,122
8600395	BR4906	F191		313B	317F	45006	09/01/86	09/30/86	1	7,164
8600395	BR4907	F191		313B	317F	45007	09/01/86	09/30/86	1	7,162
8600395	BR4908	F191		313B	317F	45008	09/01/86	09/30/86	1	7,196

CESS IBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600395	BR4919	F191		313B	317F	46001	09/01/86	09/30/86	1	5,946
8600395	BR4920	F191		313B	317F	46002	09/01/86	09/30/86	1	8,640
8600395	BR4921	F191		313B	317F	46003	09/01/86	09/30/86	1	8,600
8600395	BR4922	F191		313B	317F	46004	09/01/86	09/30/86	1	8,608
8600395	BR4923	F191		313B	317F	46005	09/01/86	09/30/86	1	7,972
8600395	BR4924	F191		313B	317F	46006	09/01/86	09/30/86	1	7,084
8600395	BR4925	F191		313B	317F	46010	09/01/86	09/30/86	1	7,100
8600395	BR4926	F191		313B	317F	46011	09/01/86	09/23/86	1	6,530
8600395	BR4927	F191		313B	317F	46012	09/01/86	09/30/86	1	7,180
8600395	BR4928	F191		313B	317F	46013	09/05/86	09/30/86	1	6,050
8600395	BR4929	F191		313B	317F	46014	09/01/86	09/30/86	1	7,174
8600395	BR4930	F191		313B	317F	46016	09/01/86	09/30/86	1	424
8600395	BR4931	F191		313B	317F	46017	09/01/86	09/30/86	1	420
8600395	BR4932	F191		313B	317F	46022	09/01/86	09/30/86	1	8,592
8600395	BR4933	F191		313B	317F	46023	09/01/86	09/30/86	1	7,172
8600395	BR4934	F191		313B	317F	46025	09/01/86	09/30/86	1	7,172
8600395	BR4935	F191		313B	317F	46026	09/01/86	09/30/86	1	7,138
8600395	BR4936	F191		313B	317F	46028	09/01/86	09/30/86	1	8,596
8600395	BR4937	F191		313B	317F	46029	09/01/86	09/30/86	1	1,438
8600395	BR4938	F191		313B	317F	46030	09/01/86	09/30/86	1	1,440
8600395	BR4939	F191		313B	317F	46035	09/01/86	09/30/86	1	6,472
8600395	BR4940	F191		313B	317F	46036	09/01/86	09/30/86	1	8,594
8600395	BR4941	F191		313B	317F	46037	09/01/86	09/30/86	1	1,438
8600395	BR4942	F191		313B	317F	46038	09/01/86	09/30/86	1	1,438
8600395	BR4943	F191		313B	317F	51001	09/01/86	09/30/86	1	8,640
8600395	BR4944	F191		313B	317F	51002	09/18/86	09/30/86	1	3,552
8600395	BR4945	F191		313B	317F	51003	09/01/86	09/30/86	1	8,564
8600395	BR4946	F191		313B	317F	51004	09/01/86	09/30/86	1	8,596
8600395	BR4947	F191		313B	317F	51005	09/01/86	09/30/86	1	7,096

CESS BER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600395	BR4958	F191		313B	317F	ALRF1	09/01/86	09/30/86	1	1,438
8600395	BR4959	F191		313B	317F	ALSN6	09/01/86	09/30/86	1	1,438
8600395	BR4960	F191		313B	317F	BURL1	09/01/86	09/30/86	1	1,436
8600395	BR4961	F191		313B	317F	BUZM3	09/01/86	09/30/86	1	1,438
8600395	BR4962	F191		313B	317F	CARO3	09/01/86	09/30/86	1	1,440
8600395	BR4963	F191		313B	317F	CHLV2	09/01/86	09/30/86	1	7,134
8600395	BR4964	F191		313B	317F	CLKN7	09/01/86	09/30/86	1	1,436
8600395	BR4965	F191		313B	317F	CSBF1	09/01/86	09/30/86	1	1,436
8600395	BR4966	F191		313B	317F	DBLN6	09/01/86	09/30/86	1	1,430
8600395	BR4967	F191		313B	317F	DESW1	09/01/86	09/30/86	1	1,436
8600395	BR4968	F191		313B	317F	DISW3	09/01/86	09/30/86	1	1,434
8600395	BR4969	F191		313B	317F	DSLN7	09/01/86	09/30/86	1	1,432
8600395	BR4970	F191		313B	317F	FBIS1	09/01/86	09/25/86	1	1,116
8600395	BR4971	F191		313B	317F	FFIA2	09/01/86	09/30/86	1	1,436
8600395	BR4972	F191		313B	317F	FPSN7	09/01/86	09/30/86	1	1,420
8600395	BR4973	F191		313B	317F	GDIL1	09/01/86	09/30/86	1	1,440
8600395	BR4974	F191		313B	317F	GLLN6	09/01/86	09/30/86	1	1,402
8600395	BR4975	F191		313B	317F	IOSN3	09/01/86	09/30/86	1	1,192
8600395	BR4976	F191		313B	317F	LKWF1	09/01/86	09/30/86	1	1,430
8600395	BR4977	F191		313B	317F	MDRM1	09/01/86	09/30/86	1	1,416
8600395	BR4978	F191		313B	317F	MISM1	09/01/86	09/30/86	1	1,426
8600395	BR4979	F191		313B	317F	NWPO3	09/01/86	09/30/86	1	1,438
8600395	BR4980	F191		313B	317F	PILM4	09/01/86	09/30/86	1	1,438
8600395	BR4981	F191		313B	317F	PTAC1	09/01/86	09/30/86	1	1,440
8600395	BR4982	F191		313B	317F	PTAT2	09/01/86	09/30/86	1	1,320
8600395	BR4983	F191		313B	317F	PTGC1	09/01/86	09/30/86	1	1,438
8600395	BR4984	F191		313B	317F	ROAM4	09/01/86	09/30/86	1	1,432
8600395	BR4985	F191		313B	317F	SAUF1	09/05/86	09/30/86	1	1,194
8600395	BR4986	F191		313B	317F	SBIO1	09/01/86	09/30/86	1	1,424
8600395	BR4987	F191		313B	317F	SGNW3	09/01/86	09/30/86	1	1,436
8600395	BR4988	F191		313B	317F	SISW1	09/01/86	09/30/86	1	1,406
8600395	BR4989	F191		313B	317F	SJLF1	09/01/86	09/05/86	1	218
8600395	BR4990	F191		313B	317F	SPGF1	09/01/86	09/14/86	1	668
8600395	BR4991	F191		313B	317F	SRST2	09/01/86	09/30/86	1	1,292
8600395	BR4992	F191		313B	317F	STDM4	09/01/86	09/30/86	1	1,408
8600395	BR4993	F191		313B	317F	SVLS1	09/01/86	09/30/86	1	1,436
8600395	BR4994	F191		313B	317F	TPLM2	09/01/86	09/30/86	1	1,428
8600395	BR4995	F191		313B	317F	TTIW1	09/01/86	09/30/86	1	1,424
8600395	BR4996	F191		313B	317F	VENF1	09/01/86	09/30/86	1	1,438
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8600395	F291	BR4891	9999	313B	317F	1986/09/01	42003	166453
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8600395	F291	BR4893	9999	313B	317F	1986/09/01	42009	166455
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8600395	F291	BR4895	9999	313B	317F	1986/09/01	44005	166457
8600395	F291	BR4896	9999	313B	317F	1986/09/01	44007	166458
8600395	F291	BR4897	9999	313B	317F	1986/09/01	44008	166459
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8600395	F291	BR4899	9999	313B	317F	1986/09/01	44011	166461
8600395	F291	BR4900	9999	313B	317F	1986/09/01	44013	166462
8600395	F291	BR4901	9999	313B	317F	1986/09/01	45001	166463
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8600395	F291	BR4903	9999	313B	317F	1986/09/01	45003	166465
8600395	F291	BR4904	9999	313B	317F	1986/09/01	45004	166466
8600395	F291	BR4905	9999	313B	317F	1986/09/01	45005	166467
8600395	F291	BR4906	9999	313B	317F	1986/09/01	45006	166468
8600395	F291	BR4907	9999	313B	317F	1986/09/01	45007	166469
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8600395	F291	BR4919	9999	313B	317F	1986/09/01	46001	166471
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8600395	F291	BR4921	9999	313B	317F	1986/09/01	46003	166473
8600395	F291	BR4922	9999	313B	317F	1986/09/01	46004	166474
8600395	F291	BR4923	9999	313B	317F	1986/09/01	46005	166475
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8600395	F291	BR4925	9999	313B	317F	1986/09/01	46010	166477
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8600395	F291	BR4929	9999	313B	317F	1986/09/01	46014	166481
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8600395	F291	BR4931	9999	313B	317F	1986/09/01	46017	166483
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8600395	F291	BR4933	9999	313B	317F	1986/09/01	46023	166485
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8600395	F291	BR4937	9999	313B	317F	1986/09/01	46029	166489
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8600395	F291	BR4939	9999	313B	317F	1986/09/01	46035	166491
8600395	F291	BR4940	9999	313B	317F	1986/09/01	46036	166492
8600395	F291	BR4941	9999	313B	317F	1986/09/01	46037	166493
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8600395	F291	BR4943	9999	313B	317F	1986/09/01	51001	166495
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8600395	F291	BR4958	9999	313B	317F	1986/09/01	ALRF1	166500
8600395	F291	BR4959	9999	313B	317F	1986/09/01	ALSN6	166501
8600395	F291	BR4960	9999	313B	317F	1986/09/01	BURL1	166502
8600395	F291	BR4961	9999	313B	317F	1986/09/01	BUZM3	166503

8600395	F291	BR4962	9999	313B	317F	1986/09/01	CARO3	166504
8600395	F291	BR4963	9999	313B	317F	1986/09/01	CHLV2	166505
8600395	F291	BR4964	9999	313B	317F	1986/09/01	CLKN7	166506
8600395	F291	BR4965	9999	313B	317F	1986/09/01	CSBF1	166507
8600395	F291	BR4966	9999	313B	317F	1986/09/01	DBLN6	166508
8600395	F291	BR4967	9999	313B	317F	1986/09/01	DESW1	166509
8600395	F291	BR4968	9999	313B	317F	1986/09/01	DISW3	166510
8600395	F291	BR4969	9999	313B	317F	1986/09/01	DSLN7	166511
8600395	F291	BR4970	9999	313B	317F	1986/09/01	FBIS1	166512
8600395	F291	BR4971	9999	313B	317F	1986/09/01	FFIA2	166513
8600395	F291	BR4972	9999	313B	317F	1986/09/01	FPSN7	166514
8600395	F291	BR4973	9999	313B	317F	1986/09/01	GDIL1	166515
8600395	F291	BR4974	9999	313B	317F	1986/09/01	GLLN6	166516
8600395	F291	BR4975	9999	313B	317F	1986/09/01	IOSN3	166517
8600395	F291	BR4976	9999	313B	317F	1986/09/01	LKWF1	166518
8600395	F291	BR4977	9999	313B	317F	1986/09/01	MDRM1	166519
8600395	F291	BR4978	9999	313B	317F	1986/09/01	MISM1	166520
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8600395	F291	BR4980	9999	313B	317F	1986/09/01	PILM4	166522
8600395	F291	BR4981	9999	313B	317F	1986/09/01	PTAC1	166523
8600395	F291	BR4982	9999	313B	317F	1986/09/01	PTAT2	166524
8600395	F291	BR4983	9999	313B	317F	1986/09/01	PTGC1	166525
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8600395	F291	BR4985	9999	313B	317F	1986/09/05	SAUF1	166527
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8600395	F291	BR4987	9999	313B	317F	1986/09/01	SGNW3	166529
8600395	F291	BR4988	9999	313B	317F	1986/09/01	SISW1	166530
8600395	F291	BR4989	9999	313B	317F	1986/09/01	SJLF1	166531
8600395	F291	BR4990	9999	313B	317F	1986/09/01	SPGF1	166532
8600395	F291	BR4991	9999	313B	317F	1986/09/01	SRST2	166533
8600395	F291	BR4992	9999	313B	317F	1986/09/01	STDM4	166534
8600395	F291	BR4993	9999	313B	317F	1986/09/01	SVLS1	166535
8600395	F291	BR4994	9999	313B	317F	1986/09/01	TPLM2	166536
8600395	F291	BR4995	9999	313B	317F	1986/09/01	TTIW1	166537
8600395	F291	BR4996	9999	313B	317F	1986/09/01	VENF1	166538
8600395	F291	BR4997	9999	313B	317F	1986/09/01	WPOW1	166539

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8600395	F291	BR4888	317F	1	8576	86/09/01	86/09/01
8600395	F291	BR4889	317F	1	7110	86/09/01	86/09/01
8600395	F291	BR4890	317F	1	4164	86/09/01	86/09/01
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8600395	F291	BR4929	317F	1	7174	86/09/01	86/09/01
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8600395	F291	BR4983	317F	1	1438	86/09/01	86/09/01
8600395	F291	BR4984	317F	1	1432	86/09/01	86/09/01
8600395	F291	BR4985	317F	1	1194	86/09/05	86/09/05
8600395	F291	BR4986	317F	1	1424	86/09/01	86/09/01
8600395	F291	BR4987	317F	1	1436	86/09/01	86/09/01
8600395	F291	BR4988	317F	1	1406	86/09/01	86/09/01
8600395	F291	BR4989	317F	1	218	86/09/01	86/09/01
8600395	F291	BR4990	317F	1	668	86/09/01	86/09/01
8600395	F291	BR4991	317F	1	1292	86/09/01	86/09/01
8600395	F291	BR4992	317F	1	1408	86/09/01	86/09/01
8600395	F291	BR4993	317F	1	1436	86/09/01	86/09/01
8600395	F291	BR4994	317F	1	1428	86/09/01	86/09/01
8600395	F291	BR4995	317F	1	1424	86/09/01	86/09/01
8600395	F291	BR4996	317F	1	1438	86/09/01	86/09/01
8600395	F291	BR4997	317F	1	1452	86/09/01	86/09/01

(92 rows affected)