

Reference #

BR4525-4550

ACCESSION NUMBER 8600257

F191

DATA DOCUMENTATION FORM

June 1986

NOAA FORM 74-13 2-85

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. 0481-0024 EXPIRES 2/29/87

(While you are not required to use this form, it is the most desirable mechanism for providing the required auxiliary 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 TCGA (Tropical Ocean / Global Atmos. Program)				3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 32301, 32302, 41001-02, 41006, 42001-03, 42007, 42009, 44004-05, 44007-09, 4401K13, 45001-08			
4. PLATFORM NAME(S) —		5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Buoy		6. PLATFORM AND OPERATOR NATIONALITY(IES) B404 USA		7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 06/01/86 06/30/86		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. Ward-Nolan FTS-494-1721							

Reference #

BR 4561-4585

ACCESSION NUMBER

8600257

F191

DATA DOCUMENTATION FORM

June 1986

DAA FORM 74-13 (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. 0645-0024 EXPIRES 2/29/86

(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
 46010-06, 46010-12, 46014, 46022, 46023, 46025-28, 46035, 46125, 51001, 51002, 51003, 51004, 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: MC, DAY, YR	TO: MC, DAY, YR
-	BUOY	BUOY	USA	06/01/86	06/30/86

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

Reference #

BR4596-4634

ACCESSION NUMBER 8600257

F191

DATA DOCUMENTATION FORM

June 1986

NOAA FORM 24-13 (REV. 8-85)

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

FORM APPROVED O.M.E. No. 0-4-1024 EXPIRES 2/29/87

(While you are not required to use this form, it is the most desirable mechanism for providing the required auxiliary 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
 TCGA
 (Tropical Ocean / Global Atmos. Program)

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT
 ALF07, ALS06, BUR12,
 BUZ1M3, CAR03, CLK1N7, CSBF2, DBLN6,
 DESW2, DISW3, DSLN7, FBIS2, FFIA2,
 FPSN7, GDIL2, GLLN6, FOSN3, LKUF2

4. PLATFORM NAME(S)
 —

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

6. PLATFORM AND OPERATOR NATIONALITY(IES)
 Buoy USA

DATES
 FROM: 06/01/86 TO: 06/30/86

7. ARE DATA PROPRIETARY?
 NO YES
 IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH

8. 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)

9. 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-494-172)

10. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.
 MDRM1, MISM2, NWPO3, PILM4, PTAC1, VATO,
 PTGC1, ROAM4, SR1A2, SGNW3, STSW2, SJLF1,
 SP6F1, SRST2, STDM4, SVLS1, TPLM2, TTIW1,
 WENF1, WPDW2

C. DATA FORMAT

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

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> <hr/> <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> <hr/> <p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p> <hr/> <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>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p> <hr/> <p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p> <hr/> <p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p> </p> <hr/> <p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">4080</p> <hr/> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p>
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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)	15. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DESCRIPTIVE HEADER RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"1" Descriptive header record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
LATITUDE	27	6		3I2	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1		A1	"N" or "S" Hemisphere
LONGITUDE	34	7		I3, 2I2	Degrees, Minutes, Seconds
LON. HEMISPHERE	41	1		A1	"E" or "W" Hemisphere
BOTTOM DEPTH	42	5		I5	Meters to tenths
MAGNETIC VARIATION	47	4		I4	Whole degrees from true north (signed value)
BUOY HEADING*	51	3		I3	Whole degrees from true north
WAVE SAMPLING RATE*	54	4		I4	Original measurements per minute to tenths
WAVE SAMPLING DURATION*	58	4		I4	Minutes to hundredths
WAVE TOTAL INTERVALS*	62	3		I3	Number of frequency intervals
CHIEF SCIENTIST	65	20		A20	(optional)
INSTITUTION	85	20		A20	Data source
WIND SAMPLING DURATION	105	3		I3	Minutes to tenths
COMMENTS *for buoy data only	108	13		A13	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		17. ATTRIBUTES	18. USE AND MEANING
		NUMBERS	UNITS		
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
MINIMUM 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(average 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

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	15. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
WAVE SPECTRA DATA RECORD (cont'd)					
COUNT	34	1		I1	Number of frequencies on this record
DATA	35	70		5(2I4,I6)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35, 49, 63 77, 91	4		I4	Center frequency of interval in Hertz to thousandths
Resolution	39, 53, 67 81, 95	4		I4	Resolution of interval in Hertz to ten-thousandths
Density	43, 57, 71 85, 99	6		I6	Spectral Density of interval in m ² /Hz to thousandths
BLANKS	105	16		16X	Fill the fixed length record
SUBSURFACE TEMPERATURE DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"4" (Subsurface Temperature Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
DATA	27	90		10(I5,I4)	Up to 10 Depth and temperature fields
Depth	27, 36, 45 54, 63, 72 81, 90, 99 108	5		I5	Obs. level, meters to tenths
Temperature	32, 41, 50 59, 68, 77 86, 95, 104 113	4		I4	Degrees Celsius to hundredths (include Sea Surface Temperature)
BLANKS	117	4		4X	Fill the fixed length record
SUBSURFACE DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"5" (Subsurface Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
DATA	27	90		3(I5,I5,I5 I5,I5,I5)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27, 57, 87	5		I5	Obs. Level, meters to tenths

16. FIELD NAME	15. POSITION FROM-1 MEASURED IN <small>(e.g. bits, bytes)</small>	15. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
SURFACE 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		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
ANGULAR COEFFICIENTS FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	I3	Always "191"
BLANK	4	6	Bytes	6x	Blank - for use by NODC
RECORD TYPE	10	1	Bytes	A1	Always "7"
STATION NUMBER	11	6	Bytes	A6	Same as "1"
OBSERVED DATE	17	6	Bytes	3I2	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hour, minutes (GMT)
FREQUENCY	27	4	Bytes	I4	Center frequency of interval Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	I5	Spectral resolution of this frequency band in Hz to ten thousandths
ANGULAR FOURIER	36	6	Bytes	signed integers I6	Up to 9 <u>corrected</u> values of the angular fourier coefficients in meters ² /Hz. The order of these coefficients is: $a_0, a_1, b_1, a_2, b_2, a_3, b_3, a_4, b_4$
EXPONENT	42	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	44	6	Bytes	I6	
EXPONENT	50	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	52	6	Bytes	I6	
EXPONENT	58	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	60	6	Bytes	I6	
EXPONENT	66	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	68	6	Bytes	I6	
EXPONENT	74	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	76	6	Bytes	I6	
EXPONENT	82	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	84	6	Bytes	I6	
EXPONENT	90	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	92	6	Bytes	I6	
EXPONENT	98	2	Bytes	I2	
ANGULAR FOURIER COEFFICIENT	100	6	Bytes	I6	
EXPONENT	106	2	Bytes	I2	
MEAN WAVE DIRECTION	108	3	Bytes	I3	Mean wave direction given by $\arctan b_1/a_1$ in whole degrees from true north(opt. entry)
BLANKS	111	10	Bytes	10X	Blanks

PARAMETER	DESCRIPTION	8C
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
Cl1S (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
Cl1S (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 Degree to Tenths	104
A2 (see below)	XXXX - Recorded in Degrees to Tenths	108
Cl1S (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 . $Cl1S(M^2/HZ) =$
 $(C22+C33)/(K*K)$ 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.

#256-07/24/86

DATE 06/86 STATION ID

STATION ID	POSITIONS		WAVES	STATION TYPE
	LAT.	LONG.		
32301	10.0	105.0	WA	BUOY
32302	18.0	85.1	WA	BUOY
41001	34.9	72.9	WDA	BUOY
41002	32.3	75.3	WDA	BUOY
41006	29.3	77.3	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
44012	38.8	74.6	N/A	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
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
46027	41.8	124.4	WA	BUOY
46028	35.8	121.9	WDA	BUOY
46035	57.0	177.7	WDA	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
CAR03	43.3	124.4	N/A	LAND
CHLV2	36.9	75.7	WA	LAND
CLKN7	34.6	76.5	N/A	LAND

CSEF1	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
DSL7	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
NWFO3	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
SBI01	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

8600257

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

FROM: E/OC13 - A. Picciolo

FJM / For

DATE: APRIL 24, 1987

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVES BRANCH (E/OC11)

GEOSAT (WIND WAVE) [L802]

ACC: '8700124 REF: L00098 No. OBS = 1,853,151
ERM 5 & 6 1/15 - 2/17/87

WIND WAVE SPECTRA [F191]

ACC: 8600257 REF: BR4525 - 4550
BR4561 - 4585
JUNE 1986 BR4596 - 4634

90 stations 400,316 records ✓

~~DATA PROCESSING BRANCH (E/OC11)~~

DRIFTING BUOYS [F156]

ACC: 8600398 TT9332-44
REF: ↑

13 STATIONS
39,074 RECORDS

AOML EPOCS

cc: E/OC1 - I. Parloth

FILE NL	S _R	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600257		BR4525	F191		313B	317F	32301	06/01/86	06/30/86	1	7,156
8600257		BR4526	F191		313B	317F	32302	06/01/86	06/30/86	1	7,132
8600257		BR4527	F191		313B	317F	41001	06/01/86	06/30/86	1	8,600
8600257		BR4528	F191		313B	317F	41002	06/11/86	06/30/86	1	5,646
8600257		BR4529	F191		313B	317F	41006	06/01/86	06/30/86	1	8,548
8600257		BR4530	F191		313B	317F	42001	06/01/86	06/30/86	1	7,164
8600257		BR4531	F191		313B	317F	42002	06/01/86	06/30/86	1	7,118
8600257		BR4532	F191		313B	317F	42003	06/01/86	06/30/86	1	7,168
8600257		BR4533	F191		313B	317F	42007	06/01/86	06/30/86	1	7,102
8600257		BR4534	F191		313B	317F	42009	06/01/86	06/30/86	1	7,108
8600257		BR4535	F191		313B	317F	44004	06/01/86	06/30/86	1	8,594
8600257		BR4536	F191		313B	317F	44005	06/01/86	06/30/86	1	8,556
8600257		BR4537	F191		313B	317F	44007	06/01/86	06/30/86	1	7,174
8600257		BR4538	F191		313B	317F	44008	06/01/86	06/30/86	1	7,110
8600257		BR4539	F191		313B	317F	44009	06/01/86	06/30/86	1	1,630
8600257		BR4540	F191		313B	317F	44011	06/01/86	06/30/86	1	8,586
8600257		BR4541	F191		313B	317F	44012	06/01/86	06/30/86	1	1,436
8600257		BR4542	F191		313B	317F	44013	06/01/86	06/30/86	1	7,158
8600257		BR4543	F191		313B	317F	45001	06/01/86	06/30/86	1	5,474
8600257		BR4544	F191		313B	317F	45002	06/10/86	06/30/86	1	4,800
8600257		BR4545	F191		313B	317F	45003	06/01/86	06/30/86	1	7,030
8600257	57	BR4546	F191		313B	317F	45004	06/18/86	06/30/86	1	2,952
8600257	57	BR4547	F191		313B	317F	45005	06/03/86	06/30/86	1	6,686
8600257		BR4548	F191		313B	317F	45006	06/17/86	06/30/86	1	3,106
8600257		BR4549	F191		313B	317F	45007	06/01/86	06/30/86	1	7,174
8600257		BR4550	F191		313B	317F	45008	06/01/86	06/30/86	1	7,190

CRUISE NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600257	BR4561	F191		313B	317F	46001	06/01/86	06/30/86	1	8,616
8600257	BR4562	F191		313B	317F	46002	06/01/86	06/30/86	1	8,640
8600257	BR4563	F191		313B	317F	46003	06/01/86	06/30/86	1	8,610
8600257	BR4564	F191		313B	317F	46004	06/01/86	06/30/86	1	8,628
8600257	BR4565	F191		313B	317F	46005	06/01/86	06/30/86	1	8,604
8600257	BR4566	F191		313B	317F	46006	06/28/86	06/30/86	1	570
8600257	BR4567	F191		313B	317F	46010	06/01/86	06/30/86	1	6,794
8600257	BR4568	F191		313B	317F	46011	06/01/86	06/30/86	1	8,572
8600257	BR4569	F191		313B	317F	46012	06/01/86	06/30/86	1	7,106
8600257	BR4570	F191		313B	317F	46014	06/01/86	06/30/86	1	6,240
8600257	BR4571	F191		313B	317F	46016	06/01/86	06/30/86	1	478
8600257	BR4572	F191		313B	317F	46017	06/01/86	06/30/86	1	474
8600257	BR4573	F191		313B	317F	46022	06/01/86	06/30/86	1	8,596
8600257	BR4574	F191		313B	317F	46023	06/01/86	06/30/86	1	7,154
8600257	BR4575	F191		313B	317F	46025	06/01/86	06/30/86	1	7,154
8600257	BR4576	F191		313B	317F	46026	06/01/86	06/30/86	1	7,180
8600257	BR4577	F191		313B	317F	46027	06/01/86	06/30/86	1	7,170
8600257	BR4578	F191		313B	317F	46028	06/01/86	06/30/86	1	8,594
8600257	BR4579	F191		313B	317F	46035	06/01/86	06/30/86	1	7,182
8600257	BR4580	F191		313B	317F	46125	06/01/86	06/30/86	1	16,656
8600257	BR4581	F191		313B	317F	51001	06/18/86	06/30/86	1	3,610
8600257	BR4582	F191		313B	317F	51002	06/01/86	06/02/86	1	552
8600257	BR4583	F191		313B	317F	51003	06/01/86	06/30/86	1	8,628
8600257	BR4584	F191		313B	317F	51004	06/01/86	06/30/86	1	8,616
8600257	BR4585	F191		313B	317F	51005	06/01/86	06/30/86	1	7,168

P NUMBER	S NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600257	BR4596	F191			313B	317F	ALRF1	06/01/86	06/30/86	1	1,426
8600257	BR4597	F191			313B	317F	ALSN6	06/01/86	06/30/86	1	1,432
8600257	BR4598	F191			313B	317F	BURL1	06/01/86	06/30/86	1	1,436
8600257	BR4599	F191			313B	317F	BUZM3	06/01/86	06/30/86	1	1,436
8600257	BR4600	F191			313B	317F	CARD3	06/01/86	06/30/86	1	1,438
8600257	BR4601	F191			313B	317F	CHLV2	06/01/86	06/30/86	1	7,102
8600257	BR4602	F191			313B	317F	CLKN7	06/01/86	06/30/86	1	1,430
8600257	BR4603	F191			313B	317F	CSBF1	06/01/86	06/30/86	1	1,432
8600257	BR4604	F191			313B	317F	DBLN6	06/01/86	06/30/86	1	1,434
8600257	BR4605	F191			313B	317F	DESW1	06/01/86	06/30/86	1	1,436
8600257	BR4606	F191			313B	317F	DISW3	06/01/86	06/30/86	1	1,434
8600257	BR4607	F191			313B	317F	DSLN7	06/01/86	06/30/86	1	2,758
8600257	BR4608	F191			313B	317F	FRIS1	06/01/86	06/30/86	1	1,432
8600257	BR4609	F191			313B	317F	FFIA2	06/01/86	06/30/86	1	1,436
8600257	BR4610	F191			313B	317F	FPSN7	06/01/86	06/23/86	1	1,076
8600257	BR4611	F191			313B	317F	GDIL1	06/01/86	06/30/86	1	1,434
8600257	BR4612	F191			313B	317F	GLLN6	06/01/86	06/30/86	1	1,426
8600257	BR4613	F191			313B	317F	IOSN3	06/01/86	06/30/86	1	1,432
8600257	BR4614	F191			313B	317F	LKWF1	06/01/86	06/30/86	1	1,436
8600257	BR4615	F191			313B	317F	MDRM1	06/01/86	06/30/86	1	1,440
8600257	BR4616	F191			313B	317F	MISM1	06/01/86	06/30/86	1	1,436
8600257	BR4617	F191			313B	317F	NWPO3	06/01/86	06/30/86	1	1,440
8600257	BR4618	F191			313B	317F	PILM4	06/11/86	06/30/86	1	914
8600257	BR4619	F191			313B	317F	PTAC1	06/01/86	06/30/86	1	1,438
8600257	BR4620	F191			313B	317F	PTAT2	06/01/86	06/30/86	1	1,436
8600257	BR4621	F191			313B	317F	PTGC1	06/01/86	06/30/86	1	1,438
8600257	BR4622	F191			313B	317F	ROAM4	06/01/86	06/30/86	1	1,432
8600257	BR4623	F191			313B	317F	SBIO1	06/01/86	06/30/86	1	1,374
8600257	BR4624	F191			313B	317F	SGNW3	06/04/86	06/30/86	1	1,258
8600257	BR4625	F191			313B	317F	SISW1	06/01/86	06/30/86	1	1,426
8600257	BR4626	F191			313B	317F	SJLF1	06/01/86	06/30/86	1	980
8600257	BR4627	F191			313B	317F	SPGF1	06/01/86	06/30/86	1	1,438
8600257	BR4628	F191			313B	317F	SRST2	06/01/86	06/30/86	1	1,432
8600257	BR4629	F191			313B	317F	STDMA	06/01/86	06/30/86	1	1,432
8600257	BR4630	F191			313B	317F	SVLS1	06/01/86	06/30/86	1	1,436
8600257	BR4631	F191			313B	317F	TPLM2	06/01/86	06/30/86	1	1,438
8600257	BR4632	F191			313B	317F	TTIW1	06/01/86	06/30/86	1	1,434
8600257	BR4633	F191			313B	317F	VENF1	06/01/86	06/30/86	1	1,410
8600257	BR4634	F191			313B	317F	WPOW1	06/01/86	06/30/86	1	1,464

OPERATOR <i>Green</i>	PHONE #	ORG/TASK #	DATE SUBMITTED <i>3/10/87</i>	DATE DUE	BIR # <i>27</i>
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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	# OF FILE	
SECTOR SIZE		EXCHANGE TYPE			CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME			PURG DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
<i>A10285</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>NC</i>	<i>FR</i>	<i>120</i>	<i>4080</i>	<i>1</i>	
SECTOR SIZE		EXCHANGE TYPE			CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME			PURG DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
SECTOR SIZE		EXCHANGE TYPE			CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME			PURG DATE

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

31 USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>57031102</i>	<i>03/11/87</i>	<i>18:55</i>	<i>21:02</i>	<i>C</i>	<i>COMPLETED BY HAND</i>

F191
010203
June 86

OPERATOR NAME <i>Green, Josh</i>	PHONE #	ORG/TASK #	DATE SUBMITTED <i>2/13/87</i>	DATE DUE	BL. <i>27</i>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Scan

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

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FIL	
SECTOR SIZE					EXCHANGE TYPE		CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME	PUR DAT
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FIL	
<i>A00286</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>AL</i>	<i>FB</i>	<i>120</i>	<i>4080</i>	<i>1</i>	
SECTOR SIZE					EXCHANGE TYPE		CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME	PUR DAT
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	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

SPECIAL INSTRUCTIONS

ESTIMATED
EXECUTION
TIME

31 USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>2/19/87</i>	<i>08:50</i>	<i>08:55</i>	<i>C</i>	<i>COMPLETED BY James</i>

5762/304
THE

June
F191
0280

PC

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	# FIL	
SECTOR SIZE					EXCHANGE TYPE		CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME	PUR DAT
A00287		9	1600	odd	UL	FB	120	4080	1	
SECTOR SIZE					EXCHANGE TYPE		CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME	PUR DAT
SECTOR SIZE					EXCHANGE TYPE		CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME	PUR DAT

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

31 USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>37021303</i>	<i>2/19/87</i>	<i>08:40</i>	<i>08:45</i>	<i>C</i>	<i>COMPLETED BY James</i>

June 86
 F191
 038703

Copy to W tape + scan output

INPUT MEDIUM: PAPER CARD DISK **TAPE** SKETTE OTHER(SPECIFY)

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

TAPE/DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PUR DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
1400285		9	1600	odd	NE	FB	120	4080	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PUR DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
WJ2181		9	1600	odd	NE	FB	120	4080	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PUR DATE

OPERATIONAL INSTRUCTIONS: Procedure BRB004 ~~48~~ 47

ESTIMATED EXECUTION TIME

Match 4525; Dat

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
4/14/57	11:15 11:15	4:15	C	WJ = faulty error on output tape Completed by J. H. H. H. COMPLETED P. V. H. H. H.

send to Asheville

June 86
1073
F191

SUBMITTED
4/15/87

27

INSTRUMENT TO BE USED AND FUNCTION TO BE PERFORMED

Scan output
Library # 000071

INPUT MEDIUM PER CARD DISK (TAPE) KETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK (PRINT) (TAPE) PLOT DISKETTE OTHER(SPECIFY)
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DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL	
SECTOR SIZE		EXCHANGE TYPE			CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME			PUR DAT
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
A00286		9	1600	odd	NL	FB	120	4080	1	
SECTOR SIZE		EXCHANGE TYPE			CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME			PUR DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
W43517		9	1600	odd	NL	FB	120	4080	1	
SECTOR SIZE		EXCHANGE TYPE			CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)		DATA SET NAME			PUR DATE

AL INSTRUCTIONS

Procedure BRBU04 60

ESTIMATED
EXECUTION
TIME

Match 4561 Dat

2H

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
4/16/87	16:00	17:00	C	COMPLETED by Fi

send to Asheville

June 86
F191
2073

4/15/87

27

AGENT TO BE USED AND FUNCTION TO BE PERFORMED

Scan output

Library #D00069

INPUT MEDIUM
CARD DISK TAPE
KETTE OTHER(SPECIFY)

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

DISKETTE INFORMATION

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
A00287		9	1600	odd	NE	FB	120	4080	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE	
W4:3245		9	1600	odd	NE	FB	120	4080	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE

INSTRUCTIONS

Procedure BRBU04.63

ESTIMATED
EXECUTION
TIME

Mtd 4596, Dat

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES-USED, CARDS PUNCHED, CARDS KEYVERIFIED
5/15/87	11:00	11:47	C	COMPLETED by FL

send to Asheville

June 86
F191
3083

ACCESSION NO. 8600257

FILETYPE F191

TRACK NO. BR4525-4550

PROJECT IDENTIFICATION T060

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4/21/87	(Jes)	A00285	1	120	4080	
DUPLICATE TAPE	4/21/87	(Jes)	W06865	1	120	4080	
REFORMATTED TAPE			W02189				
REFORMATTED DISK							
FIRST MULCHEK	5/6/87	CBJ	SELDATA.F191/BR4525	1	120		167360
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED	5/8/87	CBJ					167360

* 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. 8600257

FILETYPE F191

PROJECT IDENTIFICATION TOGO
 TRACK NO. BR4561-4585

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4/21/87	(000)	A00286	1	120	4080	
DUPLICATE TAPE	4/21/87	(000)	W00317*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	4/28/87	CBT	SEL DATA. F191 BR4561	1	120		17,592
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED	4/29/87	CBT		1	120		17,592

* 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. 8600257

FILETYPE F191

PROJECT IDENTIFICATION TOGO
TRACK NO. BR4596-4634

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	4/21/87	(JL)	A00287	1	120	4080	
DUPLICATE TAPE	4/21/87	(JL)	W03245*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	4/28/87	CBA	SEZDATA, F191BR4596	1	120		61,362
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED	4/29/87	CBA	..				61,362

* Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

Password:

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
8600257	F291	BR4580	9999	313B	317F	1986/06/01	46125	165043
8600257	F291	BR4581	9999	313B	317F	1986/06/18	51001	165044
8600257	F291	BR4582	9999	313B	317F	1986/06/01	51002	165045
8600257	F291	BR4583	9999	313B	317F	1986/06/01	51003	165046
8600257	F291	BR4584	9999	313B	317F	1986/06/01	51004	165047
8600257	F291	BR4585	9999	313B	317F	1986/06/01	51005	165048
8600257	F291	BR4596	9999	313B	317F	1986/06/01	ALRF1	165049
8600257	F291	BR4597	9999	313B	317F	1986/06/01	ALSN6	165050
8600257	F291	BR4598	9999	313B	317F	1986/06/01	BURL1	165051
8600257	F291	BR4599	9999	313B	317F	1986/06/01	BUZM3	165052
8600257	F291	BR4600	9999	313B	317F	1986/06/01	CARO3	165053
8600257	F291	BR4601	9999	313B	317F	1986/06/01	CHLV2	165054
8600257	F291	BR4602	9999	313B	317F	1986/06/01	CLKN7	165055
8600257	F291	BR4603	9999	313B	317F	1986/06/01	CSBF1	165056
8600257	F291	BR4604	9999	313B	317F	1986/06/01	DBLN6	165057
8600257	F291	BR4605	9999	313B	317F	1986/06/01	DESW1	165058
8600257	F291	BR4606	9999	313B	317F	1986/06/01	DISW3	165059
8600257	F291	BR4607	9999	313B	317F	1986/06/01	DSLN7	165060
8600257	F291	BR4608	9999	313B	317F	1986/06/01	FBIS1	165061
8600257	F291	BR4609	9999	313B	317F	1986/06/01	FFIA2	165062
8600257	F291	BR4610	9999	313B	317F	1986/06/01	FPSN7	165063
8600257	F291	BR4611	9999	313B	317F	1986/06/01	GDIL1	165064
8600257	F291	BR4612	9999	313B	317F	1986/06/01	GLLN6	165065
8600257	F291	BR4613	9999	313B	317F	1986/06/01	IOSN3	165066
8600257	F291	BR4614	9999	313B	317F	1986/06/01	LKWF1	165067
8600257	F291	BR4615	9999	313B	317F	1986/06/01	MDRM1	165068
8600257	F291	BR4616	9999	313B	317F	1986/06/01	MISM1	165069
8600257	F291	BR4617	9999	313B	317F	1986/06/01	NWPO3	165070
8600257	F291	BR4618	9999	313B	317F	1986/06/11	PILM4	165071
8600257	F291	BR4619	9999	313B	317F	1986/06/01	PTAC1	165072
8600257	F291	BR4620	9999	313B	317F	1986/06/01	PTAT2	165073
8600257	F291	BR4621	9999	313B	317F	1986/06/01	PTGC1	165074
8600257	F291	BR4622	9999	313B	317F	1986/06/01	ROAM4	165075
8600257	F291	BR4623	9999	313B	317F	1986/06/01	SBIO1	165076
8600257	F291	BR4624	9999	313B	317F	1986/06/04	SGNW3	165077
8600257	F291	BR4625	9999	313B	317F	1986/06/01	SISW1	165078
8600257	F291	BR4626	9999	313B	317F	1986/06/01	SJLF1	165079
8600257	F291	BR4627	9999	313B	317F	1986/06/01	SPGF1	165080
8600257	F291	BR4628	9999	313B	317F	1986/06/01	SRST2	165081
8600257	F291	BR4629	9999	313B	317F	1986/06/01	STDMA	165082
8600257	F291	BR4630	9999	313B	317F	1986/06/01	SVLS1	165083
8600257	F291	BR4631	9999	313B	317F	1986/06/01	TPLM2	165084
8600257	F291	BR4632	9999	313B	317F	1986/06/01	TTIW1	165085
8600257	F291	BR4633	9999	313B	317F	1986/06/01	VENF1	165086
8600257	F291	BR4634	9999	313B	317F	1986/06/01	WPOW1	165087
8600257	F291	BR4525	9999	313B	317F	1986/06/01	32301	164998
8600257	F291	BR4526	9999	313B	317F	1986/06/01	32302	164999
8600257	F291	BR4527	9999	313B	317F	1986/06/01	41001	165000
8600257	F291	BR4528	9999	313B	317F	1986/06/11	41002	165001
8600257	F291	BR4529	9999	313B	317F	1986/06/01	41006	165002
8600257	F291	BR4530	9999	313B	317F	1986/06/01	42001	165003
8600257	F291	BR4531	9999	313B	317F	1986/06/01	42002	165004
8600257	F291	BR4532	9999	313B	317F	1986/06/01	42003	165005
8600257	F291	BR4533	9999	313B	317F	1986/06/01	42007	165006
8600257	F291	BR4534	9999	313B	317F	1986/06/01	42009	165007
8600257	F291	BR4535	9999	313B	317F	1986/06/01	44004	165008

8600257	F291	BR4536	9999	313B	317F	1986/06/01	44005	165009
8600257	F291	BR4537	9999	313B	317F	1986/06/01	44007	165010
8600257	F291	BR4538	9999	313B	317F	1986/06/01	44008	165011
8600257	F291	BR4539	9999	313B	317F	1986/06/01	44009	165012
8600257	F291	BR4540	9999	313B	317F	1986/06/01	44011	165013
8600257	F291	BR4541	9999	313B	317F	1986/06/01	44012	165014
8600257	F291	BR4542	9999	313B	317F	1986/06/01	44013	165015
8600257	F291	BR4543	9999	313B	317F	1986/06/01	45001	165016
8600257	F291	BR4544	9999	313B	317F	1986/06/10	45002	165017
8600257	F291	BR4545	9999	313B	317F	1986/06/01	45003	165018
8600257	F291	BR4546	9999	313B	317F	1986/06/18	45004	165019
8600257	F291	BR4547	9999	313B	317F	1986/06/03	45005	165020
8600257	F291	BR4548	9999	313B	317F	1986/06/17	45006	165021
8600257	F291	BR4549	9999	313B	317F	1986/06/01	45007	165022
8600257	F291	BR4550	9999	313B	317F	1986/06/01	45008	165023
8600257	F291	BR4561	9999	313B	317F	1986/06/01	46001	165024
8600257	F291	BR4562	9999	313B	317F	1986/06/01	46002	165025
8600257	F291	BR4563	9999	313B	317F	1986/06/01	46003	165026
8600257	F291	BR4564	9999	313B	317F	1986/06/01	46004	165027
8600257	F291	BR4565	9999	313B	317F	1986/06/01	46005	165028
8600257	F291	BR4566	9999	313B	317F	1986/06/28	46006	165029
8600257	F291	BR4567	9999	313B	317F	1986/06/01	46010	165030
8600257	F291	BR4568	9999	313B	317F	1986/06/01	46011	165031
8600257	F291	BR4569	9999	313B	317F	1986/06/01	46012	165032
8600257	F291	BR4570	9999	313B	317F	1986/06/01	46014	165033
8600257	F291	BR4571	9999	313B	317F	1986/06/01	46016	165034
8600257	F291	BR4572	9999	313B	317F	1986/06/01	46017	165035
8600257	F291	BR4573	9999	313B	317F	1986/06/01	46022	165036
8600257	F291	BR4574	9999	313B	317F	1986/06/01	46023	165037
8600257	F291	BR4575	9999	313B	317F	1986/06/01	46025	165038
8600257	F291	BR4576	9999	313B	317F	1986/06/01	46026	165039
8600257	F291	BR4577	9999	313B	317F	1986/06/01	46027	165040
8600257	F291	BR4578	9999	313B	317F	1986/06/01	46028	165041
8600257	F291	BR4579	9999	313B	317F	1986/06/01	46035	165042

(90 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8600257	F291	BR4580	317F	1	16656	86/06/01	86/06/01
8600257	F291	BR4581	317F	1	3610	86/06/18	86/06/18
8600257	F291	BR4582	317F	1	552	86/06/01	86/06/01
8600257	F291	BR4583	317F	1	8628	86/06/01	86/06/01
8600257	F291	BR4584	317F	1	8616	86/06/01	86/06/01
8600257	F291	BR4585	317F	1	7168	86/06/01	86/06/01
8600257	F291	BR4596	317F	1	1426	86/06/01	86/06/01
8600257	F291	BR4597	317F	1	1432	86/06/01	86/06/01
8600257	F291	BR4598	317F	1	1436	86/06/01	86/06/01
8600257	F291	BR4599	317F	1	1436	86/06/01	86/06/01
8600257	F291	BR4600	317F	1	1438	86/06/01	86/06/01
8600257	F291	BR4601	317F	1	7102	86/06/01	86/06/01
8600257	F291	BR4602	317F	1	1430	86/06/01	86/06/01
8600257	F291	BR4603	317F	1	1432	86/06/01	86/06/01
8600257	F291	BR4604	317F	1	1434	86/06/01	86/06/01
8600257	F291	BR4605	317F	1	1436	86/06/01	86/06/01
8600257	F291	BR4606	317F	1	1434	86/06/01	86/06/01
8600257	F291	BR4607	317F	1	2758	86/06/01	86/06/01
8600257	F291	BR4608	317F	1	1432	86/06/01	86/06/01
8600257	F291	BR4609	317F	1	1436	86/06/01	86/06/01
8600257	F291	BR4610	317F	1	1076	86/06/01	86/06/01
8600257	F291	BR4611	317F	1	1434	86/06/01	86/06/01
8600257	F291	BR4612	317F	1	1426	86/06/01	86/06/01
8600257	F291	BR4613	317F	1	1432	86/06/01	86/06/01
8600257	F291	BR4614	317F	1	1436	86/06/01	86/06/01
8600257	F291	BR4615	317F	1	1440	86/06/01	86/06/01
8600257	F291	BR4616	317F	1	1436	86/06/01	86/06/01
8600257	F291	BR4617	317F	1	1440	86/06/01	86/06/01
8600257	F291	BR4618	317F	1	914	86/06/11	86/06/11
8600257	F291	BR4619	317F	1	1438	86/06/01	86/06/01
8600257	F291	BR4620	317F	1	1436	86/06/01	86/06/01
8600257	F291	BR4621	317F	1	1438	86/06/01	86/06/01
8600257	F291	BR4622	317F	1	1432	86/06/01	86/06/01
8600257	F291	BR4623	317F	1	1374	86/06/01	86/06/01
8600257	F291	BR4624	317F	1	1258	86/06/04	86/06/04
8600257	F291	BR4625	317F	1	1426	86/06/01	86/06/01
8600257	F291	BR4626	317F	1	980	86/06/01	86/06/01
8600257	F291	BR4627	317F	1	1438	86/06/01	86/06/01
8600257	F291	BR4628	317F	1	1432	86/06/01	86/06/01
8600257	F291	BR4629	317F	1	1432	86/06/01	86/06/01
8600257	F291	BR4630	317F	1	1436	86/06/01	86/06/01
8600257	F291	BR4631	317F	1	1438	86/06/01	86/06/01
8600257	F291	BR4632	317F	1	1434	86/06/01	86/06/01
8600257	F291	BR4633	317F	1	1410	86/06/01	86/06/01
8600257	F291	BR4634	317F	1	1464	86/06/01	86/06/01
8600257	F291	BR4525	317F	1	7156	86/06/01	86/06/01
8600257	F291	BR4526	317F	1	7130	86/06/01	86/06/01
8600257	F291	BR4527	317F	1	8598	86/06/01	86/06/01
8600257	F291	BR4528	317F	1	5646	86/06/11	86/06/11
8600257	F291	BR4529	317F	1	8544	86/06/01	86/06/01
8600257	F291	BR4530	317F	1	7164	86/06/01	86/06/01
8600257	F291	BR4531	317F	1	7116	86/06/01	86/06/01
8600257	F291	BR4532	317F	1	7168	86/06/01	86/06/01
8600257	F291	BR4533	317F	1	7100	86/06/01	86/06/01
8600257	F291	BR4534	317F	1	7108	86/06/01	86/06/01
8600257	F291	BR4535	317F	1	8594	86/06/01	86/06/01

8600257	F291	BR4536	317F	1	8556	86/06/01	86/06/01
8600257	F291	BR4537	317F	1	7172	86/06/01	86/06/01
8600257	F291	BR4538	317F	1	7106	86/06/01	86/06/01
8600257	F291	BR4539	317F	1	1630	86/06/01	86/06/01
8600257	F291	BR4540	317F	1	8584	86/06/01	86/06/01
8600257	F291	BR4541	317F	1	1432	86/06/01	86/06/01
8600257	F291	BR4542	317F	1	7158	86/06/01	86/06/01
8600257	F291	BR4543	317F	1	5472	86/06/01	86/06/01
8600257	F291	BR4544	317F	1	4798	86/06/10	86/06/10
8600257	F291	BR4545	317F	1	7024	86/06/01	86/06/01
8600257	F291	BR4546	317F	1	2952	86/06/18	86/06/18
8600257	F291	BR4547	317F	1	6684	86/06/03	86/06/03
8600257	F291	BR4548	317F	1	3106	86/06/17	86/06/17
8600257	F291	BR4549	317F	1	7174	86/06/01	86/06/01
8600257	F291	BR4550	317F	1	7188	86/06/01	86/06/01
8600257	F291	BR4561	317F	1	8616	86/06/01	86/06/01
8600257	F291	BR4562	317F	1	8640	86/06/01	86/06/01
8600257	F291	BR4563	317F	1	8610	86/06/01	86/06/01
8600257	F291	BR4564	317F	1	8628	86/06/01	86/06/01
8600257	F291	BR4565	317F	1	8604	86/06/01	86/06/01
8600257	F291	BR4566	317F	1	570	86/06/28	86/06/28
8600257	F291	BR4567	317F	1	6794	86/06/01	86/06/01
8600257	F291	BR4568	317F	1	8572	86/06/01	86/06/01
8600257	F291	BR4569	317F	1	7106	86/06/01	86/06/01
8600257	F291	BR4570	317F	1	6240	86/06/01	86/06/01
8600257	F291	BR4571	317F	1	478	86/06/01	86/06/01
8600257	F291	BR4572	317F	1	474	86/06/01	86/06/01
8600257	F291	BR4573	317F	1	8596	86/06/01	86/06/01
8600257	F291	BR4574	317F	1	7154	86/06/01	86/06/01
8600257	F291	BR4575	317F	1	7154	86/06/01	86/06/01
8600257	F291	BR4576	317F	1	7180	86/06/01	86/06/01
8600257	F291	BR4577	317F	1	7170	86/06/01	86/06/01
8600257	F291	BR4578	317F	1	8594	86/06/01	86/06/01
8600257	F291	BR4579	317F	1	7182	86/06/01	86/06/01

(90 rows affected)