Reference #	BR5575-5595	ACCESSION NUMBER	8700176

F 1

DATA DOCUMENTATION FORM

March 87

NOAA FORM 24-13 (4-77)

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

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Sallie P. Ward-Nolan
NOAA/NATIONAL DATA BUOY CENTER
NSTL Station, MS 39529

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

TOGA

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

See attachment

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	03/01/87	03/31/87

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)

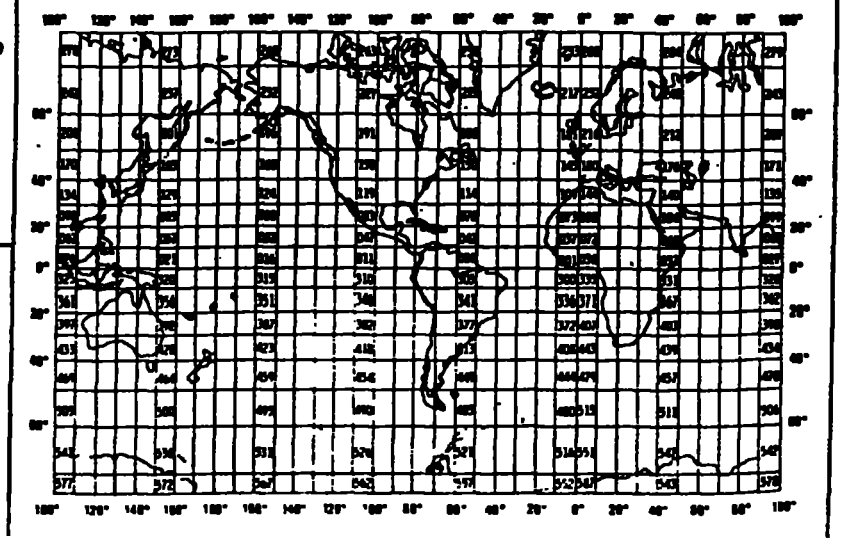
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Sallie P. NOLAN

FTS-494-1721

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

GENERAL AREA



Reference #	BR5596-5619	ACCESSION NUMBER	8700176

F 1

DATA DOCUMENTATION FORM

March 87

NOAA FORM 24-13 (4-77)

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

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-31-

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Sallie P. Ward-NOLAN
NOAA/NATIONAL DATA BUOY CENTER
NSTL Station, MS 39529

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

TOGA

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

See attachment

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	03/01/87	03/31/87

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)

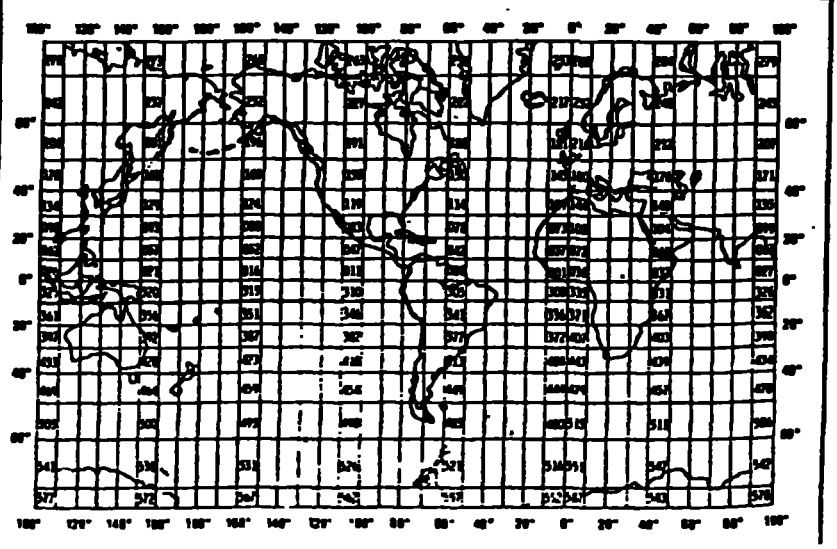
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Sallie P. NOLAN

FTS-494-1721

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

GENERAL AREA



Reference #	BR5620-5659	ACCESSION NUMBER	8700176

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DATA DOCUMENTATION FORM

March 87

NOAA FORM 24-13 (4-77)

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

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Sallie P. Ward-Nolan
NOAA/NATIONAL DATA BUOY CENTER
NSTL Station, MS 39529

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

TOGA

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

See attachment

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	03/01/87	03/31/87

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)*

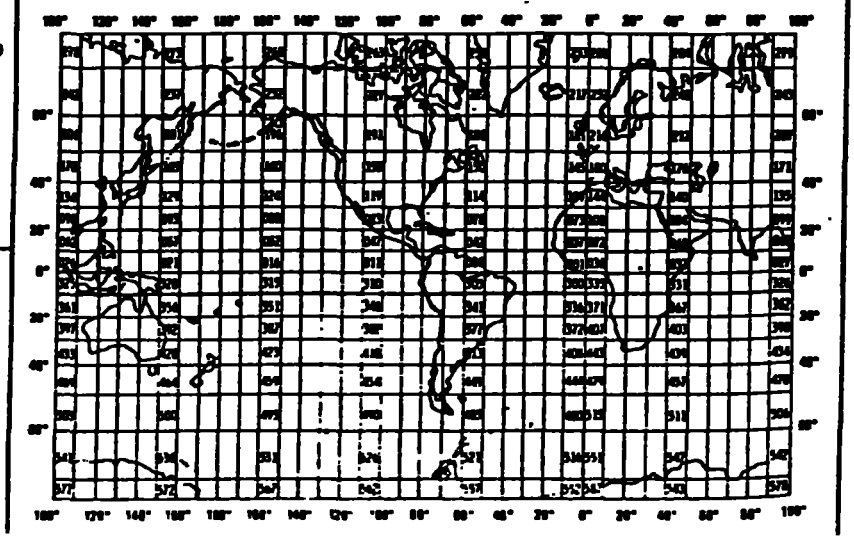
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Sallie P. NOLAN

FTS-494-1721

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

GENERAL AREA



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

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

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

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

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

7. PARITY
☒ ODD
☐ EVEN

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

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

10. END OF FILE MARK
☒ OCTAL 17
☐ _____

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

12. PHYSICAL BLOCK LENGTH IN BYTES
4080

13. LENGTH OF BYTES IN BITS
8

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 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
ECIPITATION	55	4		I4	Accumulation in millimeters
OLAR 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 SEA SURFACE	77	3		I3	Meters to tenths, from reference level
TEMPERATURE SEA SURFACE	80	4		I4	Temperature Celsius to hundredths
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
AXIMUM 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 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
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		I0(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

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
UBSURFACE 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

NOAA FORM 24-13

USCOMM-DC 44281-P72

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
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	

NOAA FORM 24-13 USCOMM-DC 44213-P72

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
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

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.

Attachment

Tape 1: 32302 03018700-03318723
41001 03018700-03318723
41002 03018700-03318723
41006 03018700-03228705
42001 03018700-03318723
42002 03018700-03318723
42003 03018700-03078711
42014 03018700-03318723
42107 03018700-03318723
44004 03018700-03318723
44005 03018700-03318723
44007 03018700-03308708
44008 03018700-03318723
44009 03018700-03318723
44011 03018700-03318723
44012 03018700-03108700 03198715-03318723
44013 03018700-03318723
45001 03018700-03318723
45003 03118714-03318723
45007 03218718-03318723
45008 03118704-03318723

BR5575-5595

Tape 2. 46001 03018700-03318723
46003 03018700-03318723
46004 03018700-03318723
46005 03018700-03318723
46006 03018700-03318723
46010 03018700-03318723
46013 03018700-03318723
46014 03018700-03318723
46016 03018700-03318723
46017 03018700-03318723
46022 03218722-03318723
46023 03018700-03318723
46025 03018700-03318723
46026 03018700-03318723
46027 03018700-03318723
46028 03018700-03318723
46035 03018700-03318723
46036 03018700-03318723
46039 03058722-03268708
46125 03018700-03318723
51001 03018700-03318723
51002 03018700-03318723
51003 03018700-03318723
51005 03018700-03318723

BK5596-5619

Tape 3 : ALRF1 03018700-03318723
ALSN6 03018700-03318723
BURL1 03018700-03318723
BUZM3 03018700-03318723
CARO3 03018700-03318723
CHLV2 03018700-03318723
CLKN7 03018700-03318723
CSBF1 03018700-03318723
DBLN6 03018700-03318723
DESW1 03018700-03318723
DISW3 03018700-03318723
DPIA1 03018700-03318723
DSLN7 03018700-03318723
FBIS1 03018700-03318723
FFIA2 03018700-03318723
FPSN7 03018700-03318723
GDIL1 03018700-03188704
GLLN6 03018700-03318723
IOSN3 03018700-03318723
LKWF1 03018700-03318723
MDRM1 03018700-03318723
MISM1 03018700-03318723
NWPO3 03018700-03318723
PILM4 03018700-03318723
PTAC1 03018700-03318723
PTAT2 03018700-03318723
PTGC1 03018700-03318723
ROAM4 03018700-03318723
SAUF1 03018700-03318723
SBIO1 03018700-03318723
SGNW3 03018700-03318723
SISW1 03018700-03318723
SPGF1 03018700-03318723
SRST2 03018700-03318723
STDM4 03018700-03318723
SVLS1 03018700-03318723
TPLM2 03018700-03318723
TTIW1 03018700-03318723
VENF1 03018700-03318713
WPOW1 03018700-03318723

BR5620-5659

Mary Irish | | | SUBMITTED 3/4/87 | 27

DIFFERENT TO BE USED AND FUNCTION TO BE PREFORMED

Dcan

PU DIUM PAPER CARD DISK (TAPE) DISKETTE 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	# FI
	A00464		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA
UT	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
	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

IAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRIN DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
760-6401	5/5/87	0805	0810	C	COMPLETED BY: JAMES

ENTS

March 87
173

Green, J. | SUBMITTED 5/4/87 | 27

IPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Alan

IT IUM
IPER 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	# FI
	A00465		9	1600	odd	NC	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA
T	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
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
IT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAM			PUR DAT

AL INSTRUCTIONS

ESTIMATED EXECUTION TIME

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRIN DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
5/5/87	0815	1530	C	COMPLETED BY JAMES

NTS

March 87
203

Griem, C. | SUBMITTED 5/4/87 | 27

IPMENT TO BE USED AND FUNCTION TO BE PERFORMED

pCar

DT IUM
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	# FI
	A00466		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA
T	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
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
JT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA

AL INSTRUCTIONS

ESTIMATED EXECUTION TIME

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRIN DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
5/5/87	0830	1935	2	COMPLETED BY JAMES

NTS

March 87
303

			SUBMITTED 5/5/87		27

INPUT TO BE USED AND FUNCTION TO BE PERFORMED

Copy to W tape + Scan output

D DIUM A 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	# FI
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
IT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	A00464		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	# OF FILE
	W13423		9	1600	odd	NL	FB	120	4080	1
JT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE

AL INSTRUCTIONS

Procedure BRBU04 64

mitch 5575. Dat

ESTIMATED EXECUTION TIME

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTE DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
5/6/87	0815	1115	C	COMPLETED BY JAMES

TS

send to Asheville

March 87
103

		SUBMITTED 5/5/87		27

IPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Copy to W'tapes. Scan output

UT JIUM 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	# FI
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA
JT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
	A00465		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
	W13137		9	1600	odd	NL	FB	120	4080	1
UT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT

TAL INSTRUCTIONS

Procedure BRBU04 65

Match 5596.Dat

ESTIMATED EXECUTION TIME

USE ONLY

	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIE
	5/6/87	1200	1500	C	COMPLETED BY JAMES

TTS

Send to Asheville

March 87
2073

			SUBMITTED 5/5/87		27

INPUT TO BE USED AND FUNCTION TO BE PERFORMED

Copy to Wtape1. Scan output

INPUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	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	# FI
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PUR DAT
JT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	A00466		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
	W13058		9	1600	odd	NL	FB	120	4080	1
UT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE

TAL INSTRUCTIONS

Procedure BRBU04.66

Mtch 5620.Dat

ESTIMATED EXECUTION TIME

USE ONLY

	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTE DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
USC	5/7/87	19.00	10.30	C	COMPLETED BY JAMES

TTS

Send to Asheville

March 87

3083

148/5487

DATE 03/87 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
41006	29.3	77.4	WDA	BUOY
42001	25.9	89.7	WDA	BUOY
42002	26.0	93.5	WDA	BUOY
42003	26.0	85.9	N/A	BUOY
42014	29.3	87.4	N/A	BUOY
42107	30.1	88.9	WA	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	WA	BUOY
44013	42.4	70.8	WA	BUOY
45001	48.0	87.7	WDA	BUOY
45003	45.3	82.3	WA	BUOY
45007	42.7	87.1	WA	BUOY
45008	44.3	82.4	WA	BUOY
46001	56.3	148.3	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
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	40.7	124.5	WDA	BUOY
46023	34.3	120.7	WDA	BUOY
46025	33.7	119.1	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
46036	48.3	133.9	WDA	BUOY
46039	48.2	123.4	WA	BUOY
46125	33.7	119.1	DWDA	BUOY
51001	23.4	162.3	WDA	BUOY
51002	17.2	157.8	WDA	BUOY
51003	19.2	160.8	WDA	BUOY
51005	20.4	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	41.4	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
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
DPIA1	30.3	88.1	WA	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	90.0	N/A	LAND
GLLN6	43.9	76.4	N/A	LAND
IOSN3	43.0	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	39.0	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	41.6	82.8	N/A	LAND
SGNW3	43.8	87.7	N/A	LAND
SISW1	48.3	122.9	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. 8700176 FILETYPE F191 TRACK NO. BR5575-5595 PROJECT IDENTIFICATION T...IT

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-13-87	[illegible]	A00464	1	120	4080	
DUPLICATE TAPE	5-13-87	[illegible]	W13423*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	5/18/87	CBS	SEL DATA. F191 BR5575	1	120		135,374
FINAL MULCHEK	5/20/87	"	"	1	"	"	"
MPD75 OR F022	5/20/87	"	MP075. BR5575/F191	1	"	"	"
DATA SET FINALIZED	5/20/87	CBS	"	1	120		135,374

* Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:
NONE

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)
ALL 00 SECONDS TIME PERIOD OMITTED.

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8700176 FILETYPE F191 TRACK NO. BR5596-5619 PROJECT IDENTIFICATION T...IT

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-13-87	JB	A00465	1	120	4050	
DUPLICATE TAPE	5-13-87	JB	W13137*	1	120	4030	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	5/18/87	CBF	SLEDATA.F191BR5596	1	120		178,946
FINAL MULCHEK	5/20/87	/	"	/	/		/
MPD75 OR F022	5/20/87	/	MPD75.BR5596/F191	1	/		/
DATA SET FINALIZED	5/20/87	CBF	"	1	120		178,946

* Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: NONE

P

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8700176 FILETYPE F191 TRACK NO. BR5620-5659 PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-13-87	JDB	A00466	1	120	4080	
DUPLICATE TAPE	5-13-87	JDB	W13058*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	5/18/87	CBF	SCRATA.F191BR5620	1	120		64036
FINAL MULCHEK	5/19/87		"	1			
MPD75 OR FO22	5/20/87		MPD75.BR5620/F191	1			
DATA SET FINALIZED	5/20/87	CBF	" "	1	120		64036

*Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

8

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

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

FROM: E/OC13 - A. Picciolo F.J.M. /for

DATE: MAY 18, 1987

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVES BRANCH (E/OC11)

DRIFTING BUOYS [F156]

ACC: 8700111 REF: TT9368-9398 31 STATIONS ✓
SEQUAL 27,088 RECORDS

WIND/WAVE SPECTRA [F191] ✓

ACC: 8700176 REF: BR5575-5659 84 STATIONS

MARCH 87 378,352 RECORDS

DATA PROCESSING BRANCH (E/OC12) XBT's

cc: E/OC1 - I. Perlroth

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8700176	BR5575	F191		313B	317F	32302	03/01/87	03/31/87	1	7,284
8700176	BR5576	F191		313B	317F	41001	03/01/87	03/31/87	1	8,820
8700176	BR5577	F191		313B	317F	41002	03/01/87	03/31/87	1	8,896
8700176	BR5578	F191		313B	317F	41006	03/01/87	03/22/87	1	6,120
8700176	BR5579	F191		313B	317F	42001	03/01/87	03/31/87	1	7,380
8700176	BR5580	F191		313B	317F	42002	03/01/87	03/31/87	1	7,430
8700176	BR5581	F191		313B	317F	42003	03/01/87	03/07/87	1	312
8700176	BR5582	F191		313B	317F	42014	03/01/87	03/31/87	1	9,659
8700176	BR5583	F191		313B	317F	42107	03/01/87	03/31/87	1	4,458
8700176	BR5584	F191		313B	317F	44004	03/01/87	03/31/87	1	8,896
8700176	BR5585	F191		313B	317F	44005	03/01/87	03/31/87	1	8,862
8700176	BR5586	F191		313B	317F	44007	03/01/87	03/30/87	1	6,998
8700176	BR5587	F191		313B	317F	44008	03/01/87	03/31/87	1	3,074
8700176	BR5588	F191		313B	317F	44009	03/01/87	03/31/87	1	7,350
00176	BR5589	F191		313B	317F	44011	03/01/87	03/31/87	1	8,904
00176	BR5590	F191		313B	317F	44012	03/01/87	03/31/87	1	5,084
8700176	BR5591	F191		313B	317F	44013	03/01/87	03/31/87	1	7,364
8700176	BR5592	F191		313B	317F	45001	03/01/87	03/31/87	1	7,412
8700176	BR5593	F191		313B	317F	45003	03/11/87	03/31/87	1	4,030
8700176	BR5594	F191		313B	317F	45007	03/21/87	03/31/87	1	2,378
8700176	BR5595	F191		313B	317F	45008	03/11/87	03/31/87	1	4,663

ESS BER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
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8700176	BR5597	F191		313B	317F	46003	03/01/87	03/31/87	1	8,354
8700176	BR5598	F191		313B	317F	46004	03/01/87	03/31/87	1	8,928
8700176	BR5599	F191		313B	317F	46005	03/01/87	03/31/87	1	8,894
8700176	BR5600	F191		313B	317F	46006	03/01/87	03/31/87	1	7,320
8700176	BR5601	F191		313B	317F	46010	03/01/87	03/31/87	1	7,410
8700176	BR5602	F191		313B	317F	46013	03/01/87	03/31/87	1	7,364
8700176	BR5603	F191		313B	317F	46014	03/01/87	03/31/87	1	7,120
8700176	BR5604	F191		313B	317F	46016	03/01/87	03/31/87	1	488
8700176	BR5605	F191		313B	317F	46017	03/01/87	03/31/87	1	424
8700176	BR5606	F191		313B	317F	46022	03/21/87	03/31/87	1	2,892
8700176	BR5607	F191		313B	317F	46023	03/01/87	03/31/87	1	7,242
8700176	BR5608	F191		313B	317F	46025	03/01/87	03/31/87	1	7,420
8700176	BR5609	F191		313B	317F	46026	03/01/87	03/31/87	1	7,120
8700176	BR5610	F191		313B	317F	46027	03/01/87	03/31/87	1	7,370
8700176	BR5611	F191		313B	317F	46028	03/01/87	03/31/87	1	8,884
8700176	BR5612	F191		313B	317F	46035	03/01/87	03/31/87	1	7,400
8700176	BR5613	F191		313B	317F	46036	03/01/87	03/31/87	1	8,904
8700176	BR5614	F191		313B	317F	46039	03/05/87	03/26/87	1	4,810
8700176	BR5615	F191		313B	317F	46125	03/01/87	03/31/87	1	17,616
8700176	BR5616	F191		313B	317F	51001	03/01/87	03/31/87	1	8,916
8700176	BR5617	F191		313B	317F	51002	03/01/87	03/31/87	1	8,892
8700176	BR5618	F191		313B	317F	51003	03/01/87	03/31/87	1	8,896
8700176	BR5619	F191		313B	317F	51005	03/01/87	03/31/87	1	7,366

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8700176	BR5621	F191		313B	317F	ALSN6	03/01/87	03/31/87	1	1,476
8700176	BR5622	F191		313B	317F	BURL1	03/01/87	03/31/87	1	1,476
8700176	BR5623	F191		313B	317F	BUZM3	03/01/87	03/31/87	1	1,482
8700176	BR5624	F191		313B	317F	CARO3	03/01/87	03/31/87	1	1,482
8700176	BR5625	F191		313B	317F	CHLV2	03/01/87	03/31/87	1	7,356
8700176	BR5626	F191		313B	317F	CLKN7	03/01/87	03/31/87	1	1,406
8700176	BR5627	F191		313B	317F	CSBF1	03/01/87	03/31/87	1	1,476
8700176	BR5628	F191		313B	317F	DBLN6	03/01/87	03/31/87	1	1,348
8700176	BR5629	F191		313B	317F	DESW1	03/01/87	03/31/87	1	1,486
8700176	BR5630	F191		313B	317F	DISW3	03/01/87	03/31/87	1	1,484
8700176	BR5631	F191		313B	317F	DPIA1	03/01/87	03/31/87	1	1,486
8700176	BR5632	F191		313B	317F	DSLN7	03/01/87	03/31/87	1	1,484
8700176	BR5633	F191		313B	317F	FBIS1	03/01/87	03/31/87	1	1,484
8700176	BR5634	F191		313B	317F	FFIA2	03/01/87	03/31/87	1	1,478
8700176	BR5635	F191		313B	317F	FPSN7	03/01/87	03/31/87	1	1,488
8700176	BR5636	F191		313B	317F	GDIL1	03/01/87	03/18/87	1	824
8700176	BR5637	F191		313B	317F	GLLN6	03/01/87	03/31/87	1	1,394
8700176	BR5638	F191		313B	317F	IOSN3	03/01/87	03/31/87	1	1,482
8700176	BR5639	F191		313B	317F	LKWF1	03/01/87	03/31/87	1	1,484
8700176	BR5640	F191		313B	317F	MDRM1	03/01/87	03/31/87	1	1,484
8700176	BR5641	F191		313B	317F	MISM1	03/01/87	03/31/87	1	1,486
8700176	BR5642	F191		313B	317F	NWPO3	03/01/87	03/31/87	1	1,482
8700176	BR5643	F191		313B	317F	PILM4	03/01/87	03/31/87	1	1,488
8700176	BR5644	F191		313B	317F	PTAC1	03/01/87	03/31/87	1	1,488
8700176	BR5645	F191		313B	317F	PTAT2	03/01/87	03/31/87	1	1,480
8700176	BR5646	F191		313B	317F	PTGC1	03/01/87	03/31/87	1	1,486
8700176	BR5647	F191		313B	317F	ROAM4	03/01/87	03/31/87	1	1,482
8700176	BR5648	F191		313B	317F	SAUF1	03/01/87	03/31/87	1	1,398
8700176	BR5649	F191		313B	317F	SBIO1	03/01/87	03/31/87	1	1,482
8700176	BR5650	F191		313B	317F	SGNW3	03/01/87	03/31/87	1	1,440
8700176	BR5651	F191		313B	317F	SISW1	03/01/87	03/31/87	1	1,470
8700176	BR5652	F191		313B	317F	SPGF1	03/01/87	03/31/87	1	1,466
8700176	BR5653	F191		313B	317F	SRST2	03/01/87	03/31/87	1	1,486
8700176	BR5654	F191		313B	317F	STDM4	03/01/87	03/31/87	1	1,482
8700176	BR5655	F191		313B	317F	SVLS1	03/01/87	03/31/87	1	1,486
8700176	BR5656	F191		313B	317F	TPLM2	03/01/87	03/31/87	1	1,484
8700176	BR5657	F191		313B	317F	TTIW1	03/01/87	03/31/87	1	1,488
8700176	BR5658	F191		313B	317F	VENF1	03/01/87	03/31/87	1	1,410
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8700176	F291	BR5578	9999	313B	317F	1987/03/01	41006	169789
8700176	F291	BR5579	9999	313B	317F	1987/03/01	42001	169790
8700176	F291	BR5580	9999	313B	317F	1987/03/01	42002	169791
8700176	F291	BR5581	9999	313B	317F	1987/03/01	42003	169792
8700176	F291	BR5582	9999	313B	317F	1987/03/01	42014	169793
8700176	F291	BR5583	9999	313B	317F	1987/03/01	42107	169794
8700176	F291	BR5584	9999	313B	317F	1987/03/01	44004	169795
8700176	F291	BR5585	9999	313B	317F	1987/03/01	44005	169796
8700176	F291	BR5586	9999	313B	317F	1987/03/01	44007	169797
8700176	F291	BR5587	9999	313B	317F	1987/03/01	44008	169798
8700176	F291	BR5588	9999	313B	317F	1987/03/01	44009	169799
8700176	F291	BR5589	9999	313B	317F	1987/03/01	44011	169800
8700176	F291	BR5590	9999	313B	317F	1987/03/01	44012	169801
8700176	F291	BR5591	9999	313B	317F	1987/03/01	44013	169802
8700176	F291	BR5592	9999	313B	317F	1987/03/01	45001	169803
8700176	F291	BR5593	9999	313B	317F	1987/03/11	45003	169804
8700176	F291	BR5594	9999	313B	317F	1987/03/21	45007	169805
8700176	F291	BR5595	9999	313B	317F	1987/03/11	45008	169806
8700176	F291	BR5596	9999	313B	317F	1987/03/01	46001	169807
8700176	F291	BR5597	9999	313B	317F	1987/03/01	46003	169808
8700176	F291	BR5598	9999	313B	317F	1987/03/01	46004	169809
8700176	F291	BR5599	9999	313B	317F	1987/03/01	46005	169810
8700176	F291	BR5600	9999	313B	317F	1987/03/01	46006	169811
8700176	F291	BR5601	9999	313B	317F	1987/03/01	46010	169812
8700176	F291	BR5602	9999	313B	317F	1987/03/01	46013	169813
8700176	F291	BR5603	9999	313B	317F	1987/03/01	46014	169814
8700176	F291	BR5604	9999	313B	317F	1987/03/01	46016	169815
8700176	F291	BR5605	9999	313B	317F	1987/03/01	46017	169816
8700176	F291	BR5606	9999	313B	317F	1987/03/21	46022	169817
8700176	F291	BR5607	9999	313B	317F	1987/03/01	46023	169818
8700176	F291	BR5608	9999	313B	317F	1987/03/01	46025	169819
8700176	F291	BR5609	9999	313B	317F	1987/03/01	46026	169820
8700176	F291	BR5610	9999	313B	317F	1987/03/01	46027	169821
8700176	F291	BR5611	9999	313B	317F	1987/03/01	46028	169822
8700176	F291	BR5612	9999	313B	317F	1987/03/01	46035	169823
8700176	F291	BR5613	9999	313B	317F	1987/03/01	46036	169824
8700176	F291	BR5614	9999	313B	317F	1987/03/05	46039	169825
8700176	F291	BR5615	9999	313B	317F	1987/03/01	46125	169826
8700176	F291	BR5616	9999	313B	317F	1987/03/01	51001	169827
8700176	F291	BR5617	9999	313B	317F	1987/03/01	51002	169828
8700176	F291	BR5618	9999	313B	317F	1987/03/01	51003	169829
8700176	F291	BR5619	9999	313B	317F	1987/03/01	51005	169830
8700176	F291	BR5620	9999	313B	317F	1987/03/01	ALRF1	169831
8700176	F291	BR5621	9999	313B	317F	1987/03/01	ALSN6	169832
8700176	F291	BR5622	9999	313B	317F	1987/03/01	BURL1	169833
8700176	F291	BR5623	9999	313B	317F	1987/03/01	BUZM3	169834
8700176	F291	BR5624	9999	313B	317F	1987/03/01	CARO3	169835
8700176	F291	BR5625	9999	313B	317F	1987/03/01	CHLV2	169836
8700176	F291	BR5626	9999	313B	317F	1987/03/01	CLKN7	169837
8700176	F291	BR5627	9999	313B	317F	1987/03/01	CSBF1	169838
8700176	F291	BR5628	9999	313B	317F	1987/03/01	DBLN6	169839
8700176	F291	BR5629	9999	313B	317F	1987/03/01	DESW1	169840
8700176	F291	BR5630	9999	313B	317F	1987/03/01	DISW3	169841

8700176	F291	BR5631	9999	313B	317F	1987/03/01	DPIA1	169842
8700176	F291	BR5632	9999	313B	317F	1987/03/01	DSLN7	169843
8700176	F291	BR5633	9999	313B	317F	1987/03/01	FBIS1	169844
8700176	F291	BR5634	9999	313B	317F	1987/03/01	FFIA2	169845
8700176	F291	BR5635	9999	313B	317F	1987/03/01	FPSN7	169846
8700176	F291	BR5636	9999	313B	317F	1987/03/01	GDIL1	169847
8700176	F291	BR5637	9999	313B	317F	1987/03/01	GLLN6	169848
8700176	F291	BR5638	9999	313B	317F	1987/03/01	IOSN3	169849
8700176	F291	BR5639	9999	313B	317F	1987/03/01	LKWF1	169850
8700176	F291	BR5640	9999	313B	317F	1987/03/01	MDRM1	169851
8700176	F291	BR5641	9999	313B	317F	1987/03/01	MISM1	169852
8700176	F291	BR5642	9999	313B	317F	1987/03/01	NWPO3	169853
8700176	F291	BR5643	9999	313B	317F	1987/03/01	PILM4	169854
8700176	F291	BR5644	9999	313B	317F	1987/03/01	PTAC1	169855
8700176	F291	BR5645	9999	313B	317F	1987/03/01	PTAT2	169856
8700176	F291	BR5646	9999	313B	317F	1987/03/01	PTGC1	169857
8700176	F291	BR5647	9999	313B	317F	1987/03/01	ROAM4	169858
8700176	F291	BR5648	9999	313B	317F	1987/03/01	SAUF1	169859
8700176	F291	BR5649	9999	313B	317F	1987/03/01	SBIO1	169860
8700176	F291	BR5650	9999	313B	317F	1987/03/01	SGNW3	169861
8700176	F291	BR5651	9999	313B	317F	1987/03/01	SISW1	169862
8700176	F291	BR5652	9999	313B	317F	1987/03/01	SPGF1	169863
8700176	F291	BR5653	9999	313B	317F	1987/03/01	SRST2	169864
8700176	F291	BR5654	9999	313B	317F	1987/03/01	STDM4	169865
8700176	F291	BR5655	9999	313B	317F	1987/03/01	SVLS1	169866
8700176	F291	BR5656	9999	313B	317F	1987/03/01	TPLM2	169867
8700176	F291	BR5657	9999	313B	317F	1987/03/01	TTIW1	169868
8700176	F291	BR5658	9999	313B	317F	1987/03/01	VENF1	169869
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(85 rows affected)

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8700176	F291	BR5577	317F	1	8896	87/03/01	87/03/01
8700176	F291	BR5578	317F	1	6120	87/03/01	87/03/01
8700176	F291	BR5579	317F	1	7380	87/03/01	87/03/01
8700176	F291	BR5580	317F	1	7430	87/03/01	87/03/01
8700176	F291	BR5581	317F	1	312	87/03/01	87/03/01
8700176	F291	BR5582	317F	1	9659	87/03/01	87/03/01
8700176	F291	BR5583	317F	1	4458	87/03/01	87/03/01
8700176	F291	BR5584	317F	1	8896	87/03/01	87/03/01
8700176	F291	BR5585	317F	1	8862	87/03/01	87/03/01
8700176	F291	BR5586	317F	1	6998	87/03/01	87/03/01
8700176	F291	BR5587	317F	1	3074	87/03/01	87/03/01
8700176	F291	BR5588	317F	1	7350	87/03/01	87/03/01
8700176	F291	BR5589	317F	1	8904	87/03/01	87/03/01
8700176	F291	BR5590	317F	1	5084	87/03/01	87/03/01
8700176	F291	BR5591	317F	1	7364	87/03/01	87/03/01
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8700176	F291	BR5593	317F	1	4030	87/03/11	87/03/11
8700176	F291	BR5594	317F	1	2378	87/03/21	87/03/21
8700176	F291	BR5595	317F	1	4663	87/03/11	87/03/11
8700176	F291	BR5596	317F	1	8916	87/03/01	87/03/01
8700176	F291	BR5597	317F	1	8354	87/03/01	87/03/01
8700176	F291	BR5598	317F	1	8928	87/03/01	87/03/01
8700176	F291	BR5599	317F	1	8894	87/03/01	87/03/01
8700176	F291	BR5600	317F	1	7320	87/03/01	87/03/01
8700176	F291	BR5601	317F	1	7410	87/03/01	87/03/01
8700176	F291	BR5602	317F	1	7364	87/03/01	87/03/01
8700176	F291	BR5603	317F	1	7120	87/03/01	87/03/01
8700176	F291	BR5604	317F	1	488	87/03/01	87/03/01
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8700176	F291	BR5606	317F	1	2892	87/03/21	87/03/21
8700176	F291	BR5607	317F	1	7242	87/03/01	87/03/01
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8700176	F291	BR5611	317F	1	8884	87/03/01	87/03/01
8700176	F291	BR5612	317F	1	7400	87/03/01	87/03/01
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8700176	F291	BR5614	317F	1	4810	87/03/05	87/03/05
8700176	F291	BR5615	317F	1	17616	87/03/01	87/03/01
8700176	F291	BR5616	317F	1	8916	87/03/01	87/03/01
8700176	F291	BR5617	317F	1	8892	87/03/01	87/03/01
8700176	F291	BR5618	317F	1	8896	87/03/01	87/03/01
8700176	F291	BR5619	317F	1	7366	87/03/01	87/03/01
8700176	F291	BR5620	317F	1	1486	87/03/01	87/03/01
8700176	F291	BR5621	317F	1	1476	87/03/01	87/03/01
8700176	F291	BR5622	317F	1	1476	87/03/01	87/03/01
8700176	F291	BR5623	317F	1	1482	87/03/01	87/03/01
8700176	F291	BR5624	317F	1	1482	87/03/01	87/03/01
8700176	F291	BR5625	317F	1	7356	87/03/01	87/03/01
8700176	F291	BR5626	317F	1	1406	87/03/01	87/03/01
8700176	F291	BR5627	317F	1	1476	87/03/01	87/03/01
8700176	F291	BR5628	317F	1	1348	87/03/01	87/03/01
8700176	F291	BR5629	317F	1	1486	87/03/01	87/03/01
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8700176 F291 BR5633 317F 1      1484   87/03/01   87/03/01
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8700176 F291 BR5650 317F 1      1440   87/03/01   87/03/01
8700176 F291 BR5651 317F 1      1470   87/03/01   87/03/01
8700176 F291 BR5652 317F 1      1466   87/03/01   87/03/01
8700176 F291 BR5653 317F 1      1486   87/03/01   87/03/01
8700176 F291 BR5654 317F 1      1482   87/03/01   87/03/01
8700176 F291 BR5655 317F 1      1486   87/03/01   87/03/01
8700176 F291 BR5656 317F 1      1484   87/03/01   87/03/01
8700176 F291 BR5657 317F 1      1488   87/03/01   87/03/01
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8700176 F291 BR5659 317F 1      1506   87/03/01   87/03/01

(85 rows affected)
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