

Reference #

BR6446-6464

ACCESSION NUMBER

8300023

December 1987

DATA DOCUMENTATION FORM

F191

NOAA FORM 24-13 (4-77)

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

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

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED
Sallie Nolan
NOAA National Data Buoy Center
NSIL Station, MS. 39529

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED
T-O-E-A

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

4. PLATFORM NAME(S)
—

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

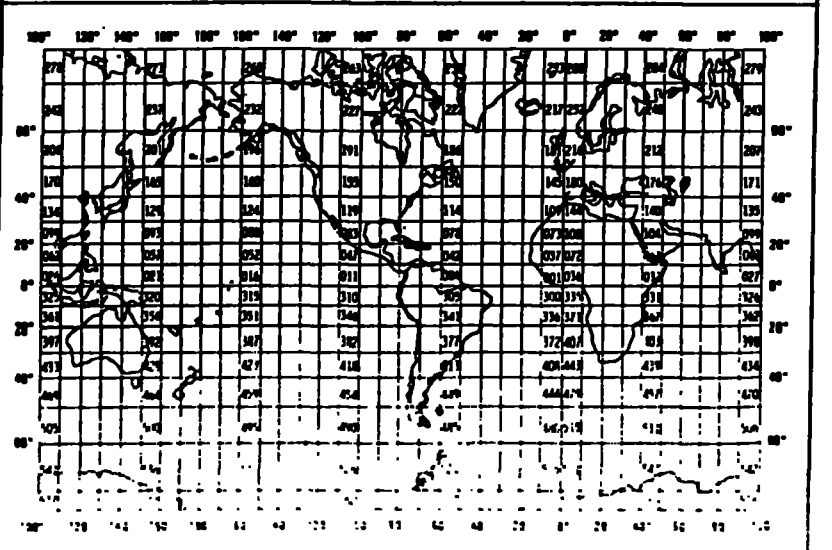
6. PLATFORM AND OPERATOR NATIONALITY(IES)
Platform: Buoy Operator: USF

7. DATES
FROM: MO/DAY/YR TO: MO/DAY/YR
12/01/87 12/31/87

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

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

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)
 NO YES PART (SPECIFY BELOW)



10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)
Sallie P. Nolan
FTS-494 1721

Reference #

BL 6465-6487

ACCESSION NUMBER

8800023

December 1987

DATA DOCUMENTATION FORM

F191

NOAA FORM 24-13 (4-77)

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

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

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

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

Sallie Nolan
NOAA National Data Buoy Center
NSTL Station, MS. 39529

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

TOEA

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

4. PLATFORM NAME(S)

—

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

Buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
Buoy	USA

7. DATES

FROM: MO, DAY, YR	TO: MO, DAY, YR
12/01/87	12/31/87

8. ARE DATA PROPRIETARY?

NO YES

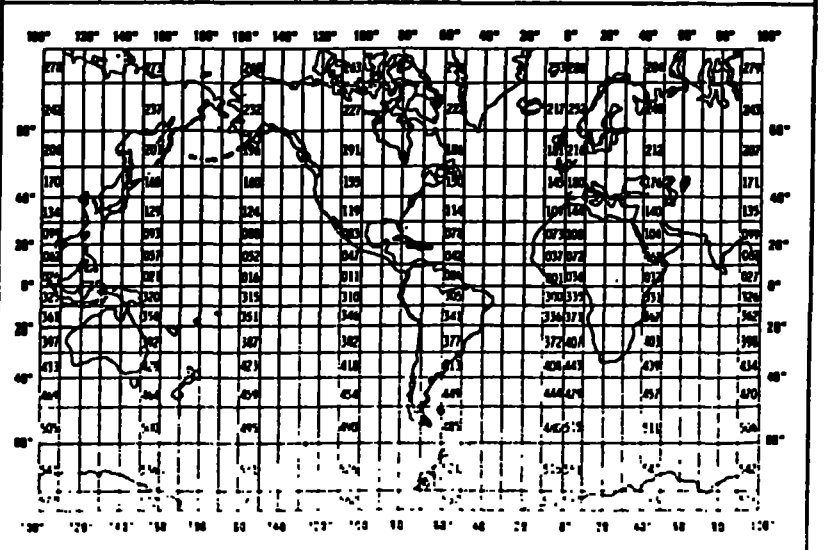
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____

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

GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)? (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

Reference #

BR 6488-0528

ACCESSION NUMBER

8800023

December 1987

DATA DOCUMENTATION FORM

F191

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

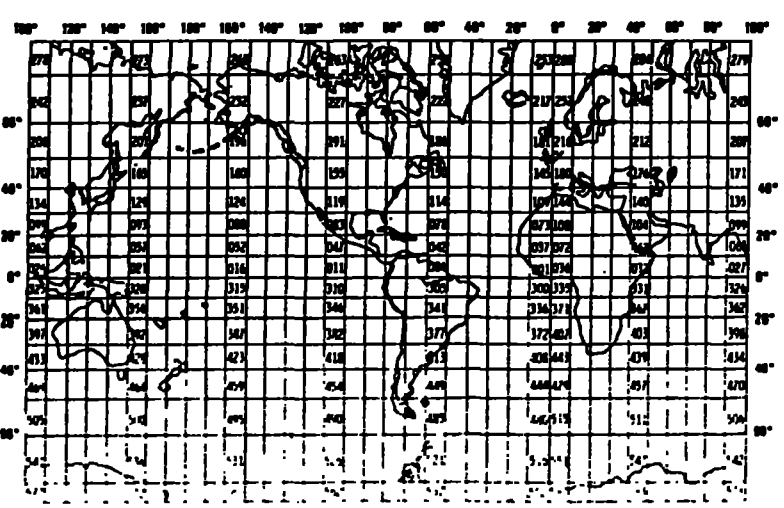
FORM APPROVED O.M.B. No. 41-R2651 EXPIRES 1-81

(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 Sallye Nolan NOAA/National Data Buoy Center NSTL Station, MS. 39529			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED TOEA		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
4. PLATFORM NAME(S) —	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR BUOY USAF	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 12/01/87 12/31/87
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Sallye P. Nolan FTS-494-1721			

C. DATA FORMAT

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

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
THE 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

RECEIVED
 FEB 02 1988
 Ø31

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>_____</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 DPI <input checked="" type="checkbox"/> 1600 DPI</p> <p><input type="checkbox"/> 350 DPI</p> <p><input type="checkbox"/> 500 DPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;">4080</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">8</p>

RECORD FORMAT DESCRIPTION

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

16. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., Mo., by no.)	18. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
DESCRIPTIVE HEADER RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"1" Descriptive header record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
LATITUDE	27	6		312	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1		A1	"N" or "S" Hemisphere
LONGITUDE	34	7		13, 212	Degrees, Minutes, Seconds
LONG. 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		312	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"2" (environmental data rec.)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
ALTITUDE	27	3		I3	Meteorology alt., meters to tenths
AIR TEMP	30	4		I4	Temperature, Celsius to tenths
DEW POINT	34	4		I4	Temperature, Celsius to tenths
BAROMETER	38	5		I5	Millibars to tenths (reduced to sea level)
WIND SPEED	43	4		I4	Meters/sec. to hundredths
WIND DIRECTION	47	4		I4	From true north, degrees to tenths
WEATHER	51	1		I1	Current weather (WMO Code 450!)
VISIBILITY	52	3		I3	Nautical miles, to tenths

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. 0m, 10m)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBERS	UNITS		
PRECIPITATION	55	4		14	Accumulation in millimeters
SOLAR RADIATION	59	3		13	Langley's/minute to hundredths - wave length less than 3.6
SOLAR RADIATION	62	3		13	Langley's/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT	65	3		13	Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD	68	3		13	Seconds to tenths
DOMINANT WAVE DIRECTION	71	3		13	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3		13	Meters to tenths, from reference level
DEEPEST TROUGH	77	3		13	Meters to tenths, from reference level
SEA SURFACE TEMPERATURE	80	4		14	Temperature Celsius to hundredths
SEA SURFACE SALINITY	84	5		15	Parts per thousand to thousandths
CONDUCTIVITY	89	5		15	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD	94	3		13	Seconds to tenths
WAVE HEIGHT	97	3		13	Meters to tenths
WAVE STEEPNESS	100	3		13	To be defined
WIND GUST	103	4		14	Meters/sec. to hundredths
WIND GUST (avg. pd.)	107	2		12	Seconds
AVERAGING PERIOD	109	4		14	Meters/sec. to hundredths
WIND GUST	113	2		12	Seconds
WIND SPEED (58 min. average)	115	3		13	Meters/sec. to tenths whole degrees
WIND DIRECTION (58 min. average)	118	3		13	Whole degrees
WAVE SPECTRA DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		312	Tr., Mc., Day of file generation
RECORD TYPE	10	1		A1	"3" (Wave Spectra Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
INTERVALS PER DIRECTION	27	3		13	Zero for non-directional spectra, or total number of frequencies in this direction
DIRECTION	30	4		14	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. 01, 02, 03, etc)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
WAVE SPECTRA DATA RECORD (cont'd)					
COUNT	34	1		31	Number of frequencies on this record
DATA	35	70		5(214,16)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35, 49, 63 77, 91	4		14	Center frequency of interval in Hertz to thousandths
Resolution	39, 53, 67 81, 95	4		14	Resolution of interval in Hertz to ten-thousandths
Density	43, 57, 71 85, 99	6		16	Spectral Density of interval in m 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		312	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"4" (Subsurface Temperature Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
DATA	27	90		10(15,14)	Up to 10 Depth and temperature fields
Depth	27, 36, 45 54, 63, 72 81, 90, 99 108	5		15	Obs. level, meters to tenths
Temperature	32, 41, 50 59, 68, 77 86, 95, 104 113	6		14	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		312	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"5" (Subsurface Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		312	Year, Month, Day (GMT)
OBSERVED TIME	23	4		212	Hours, Minutes (GMT)
DATA	27	90		3(15,15,15 15,15,15)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27, 57, 87	5		15	Obs. Level, meters to tenths

16. FIELD NAME	15. POSITION FROM 1 MEASURED IN (e.g. Mn 0700)	18. LENGTH		19. ATTRIBUTES	10. USE AND MEANING
		UNITS	UNITS		
SUBSURFACE DATA RECORD (cont'd)					
U Component	02, 62, 92	5		15	East vector in cm/sec. to tenths True north vector in cm/sec. to tenths Kg./cm ² to hundredths Millimhos/cm to thousandths Parts per 1000 to thousandths Fill the fixed length record
V Component	07, 67, 97	5		15	
Pressure	42, 72, 102	5		15	
Conductivity	47, 77, 107	5		15	
Salinity	52, 82, 112	5		15	
BLANKS	117	4		42	

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (N. of. 0.0m. 0.000)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
CO AND QUAD SPECTRA FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	13	Always "191"
BLANK	4	6	Bytes	6x	Blank - for use by NODC
RECORD TYPE	10	1	Bytes	A1	Always "6"
STATION NUMBR	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	312	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	212	Hours, minutes (GMT)
FREQUENCY	27	4	Bytes	14	Center frequency of interval in Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	15	Spectral resolution of this frequency band in Hz to ten thousandths
CO-SPECTRA C ₁₁	36	6	Bytes	Signed Integers 16	Up to 9 <u>uncorrected</u> values of Co and Quad spectra in meters squared/Hz. The order these spectra are presented is: C ₁₁ , C ₂₂ , C ₃₃ , C ₁₂ , Q ₁₂ , C ₁₃ , Q ₁₃ , C ₂₃ , and Q ₂₃
EXPONENT	42	2	Bytes	12	Where subscripts are defined as follows: 1. Heave 2. E-W Slope 3. N-S Slope If the exponent is less than -5 the exponent and its associated spectra should be zero
CO-SPECTRA C ₂₂	44	6	Bytes	16	
EXPONENT	50	2	Bytes	12	
CO-SPECTRA C ₃₃	52	6	Bytes	16	
EXPONENT	58	2	Bytes	12	
CO-SPECTRA C ₁₂	60	6	Bytes	16	
EXPONENT	66	2	Bytes	12	
QUAD-SPECTRA Q ₁₂	68	6	Bytes	16	
EXPONENT	74	2	Bytes	12	
CO-SPECTRA C ₁₃	76	6	Bytes	16	
EXPONENT	82	2	Bytes	12	
QUAD-SPECTRA Q ₁₃	84	6	Bytes	16	
EXPONENT	90	2	Bytes	12	
CO-SPECTRA C ₂₃	92	6	Bytes	16	
EXPONENT	98	2	Bytes	12	
QUAD-SPECTRA Q ₂₃	100	6	Bytes	16	
EXPONENT	106	2	Bytes	12	
C ₂₂ - C ₃₃	108	6	Bytes	16	
EXPONENT	114	2	Bytes	12	
BLANKS	116	5	Bytes	5x	

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. 0m, 0m)	15. LENGTH		17. ATTRIBUTES	16. USE AND MEANING
		NUMBER	UNITS		
ANGULAR COEFFICIENTS FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	13	Always "191"
BLANK	4	6	Bytes	6x	Blank - for use by NODC
RECORD TYPE	10	1	Bytes	A1	Always "7"
STATION NUMBER	11	6	Bytes	A6	Same as "1" -
OBSERVED DATE	17	6	Bytes	312	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	212	Hour, minutes (GMT)
FREQUENCY	27	4	Bytes	14	Center frequency of interval Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	15	Spectral resolution of this frequency band in Hz to ten thousandths
ANGULAR FOURIER	36	6	Bytes	signed integers 16	Up to 9 <u>corrected</u> values of the angular fourier coefficients in meters 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	12	
ANGULAR FOURIER COEFFICIENT	44	6	Bytes	16	
EXPONENT	50	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	52	6	Bytes	16	
EXPONENT	58	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	60	6	Bytes	16	
EXPONENT	66	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	68	6	Bytes	16	
EXPONENT	74	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	76...	6	Bytes	16	
EXPONENT	82	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	84	6	Bytes	16	
EXPONENT	90	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	92	6	Bytes	16	
EXPONENT	98	2	Bytes	12	
ANGULAR FOURIER COEFFICIENT	100	6	Bytes	16	
EXPONENT	106	2	Bytes	12	
MEAN WAVE DIRECTION	108	3	Bytes	13	Mean wave direction given by arctan b ₁ /a ₁ in whole degrees from true north(opt. entry)
BLANKS	111	10	Bytes	10X	Blanks

PARAMETER	DESCRIPTION	8C
DIRECTIONAL WAVE PARAMETER		
RECORD	Always '0'	10
STATION	See Record '1'	11
OBSERVED DATE (GMT)	YTMDD	17
OBSERVED TIME	HEDM	23
COBT	X - Number of Frequencies on this Record (-1,2,or3)	27
FREQUENCY	XXXX - Center of Band in HZ to Ten- Thousandths	28
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten- Thousandths	32
R1 (see below)	XXXX - Recorded to Nearest Hundredth	36
R2 (see below)	XXXX - Recorded to Nearest Hundredth	40
A1 (see below)	XXXX - Recorded in Degrees to Tenths	44
A2 (see below)	XXXX - Recorded in Degrees to Tenths	48
CLIS (see below)	XXXXX - Recorded in Meters Squared/HZ to Thousandths	52
FREQUENCY	XXXX - Center of Band in HZ to Ten- Thousandths	58
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten- Thousandths	62
R1 (see below)	XXXX - Recorded to Nearest Hundredth	66
R2 (see below)	XXXX - Recorded to Nearest Hundredth	70
A1 (see below)	XXXX - Recorded in Degrees to Tenths	74
A2 (see below)	XXXX - Recorded in Degrees to Tenths	78
CLIS (see below)	XXXXX - Recorded in Meters Squared/HZ to Thousandths	82
FREQUENCY	XXXX - Center of Band in HZ to Ten- Thousandths	88
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten- Thousandths	92
R1 (see below)	XXXX - Recorded to Nearest Hundredth	96
R2 (see below)	XXXX - Recorded to Nearest Hundredth	100
A1 (see below)	XXXX - Recorded in Degrees to Tenths	104
A2 (see below)	XXXX - Recorded in Degrees to Tenths	108
CLIS (see below)	XXXXX - Recorded in Meters Squared/HZ to Thousandths	112
BLANKS		118

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

8800023

TO: E/OC12 - C. Noe
E/OC11 - P. Hedsell ←
FROM: E/OC13 - A. Picciolo
DATE: February 12, 1988
SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

DATA ARCHIVE AND INVENTORIES BRANCH (E/OC11)

Wind/Wave Spectra (F191)

Acc: 8800023 Ref: BR6446 - 6528 83 sta. 421,426 records ✓
DECEMBER 1987

C/STD (F022/C022)

Acc: 8700359 Ref: TV0218/769007 56 sta. 15,280 records
WHOI US/PRC Coop Cruises XINGYANGHONG # 14

Acc: 8700359 Ref: TV0219/769008 72 sta. 20,117 records
WHOI US/PRC Coop Cruises XINGYANGHONG # 5

Acc: 8700197 Ref: TT8406-9/329536-9 443 sta. 19,115 records
RAYTHEON SERVICE CO., INC. R/V VEGA-I

MNS/CENTRAL CALIFORNIA COASTAL CIRCULATION STUDY


cc: Division Director

F191 BR6446-BR6528

○ Corrections 8800023

① Record type '2' corrected wind direction value 3600 to 3599; BR6446-6464

② Record '8' removed several * from wave polar coordinate radius values and wave co-spectra estimate values, BR6446-6464

TO: E/OC12 - C. Noe 
E/OC11 - P. Hadsell
FROM: E/OC13 - A. Picciolo
DATE: February 12, 1988
SUBJECT: Data Transfer

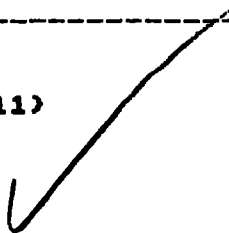
The following listed data sets have been transferred as indicated:

DATA ARCHIVE AND INVENTORIES BRANCH (E/OC11)

Wind/Wave Spectra (F191)

CLIFF

Acc: 8800023 Ref: BR6446 - 6528 83 sta. 421,426 records
DECEMBER 1987



C/STD (F022/C022)

Acc: 8700359 Ref: TV0218/769007 56 sta. 15,280 records
WHOI US/PRC Coop Cruises XINGYANGHONG # 14

MARY

Acc: 8700359 Ref: TV0219/769008 72 sta. 20,117 records
WHOI US/PRC Coop Cruises XINGYANGHONG # 5

Acc: 8700197 Ref: TT8406-9/329536-9 443 sta. 19,115 records
RAYTHEON SERVICE CO., INC. R/V VEGA-I
HNS/CENTRAL CALIFORNIA COASTAL CIRCULATION STUDY

cc: Division Director

D 6528P

ESS IBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800023	BR6446	F191		313B	317F	32302	12/01/87	12/31/87	1	6,770
8800023	BR6447	F191		313B	317F	41001	12/01/87	12/31/87	1	8,898
8800023	BR6448	F191		313B	317F	41002	12/01/87	12/31/87	1	2,964
8800023	BR6449	F191		313B	317F	41006	12/01/87	12/31/87	1	5,088
8800023	BR6450	F191		313B	317F	42001	12/01/87	12/31/87	1	2,924
8800023	BR6451	F191		313B	317F	42002	12/01/87	12/31/87	1	2,470
8800023	BR6452	F191		313B	317F	42003	12/01/87	12/03/87	1	44
8800023	BR6453	F191		313B	317F	42007	12/01/87	12/31/87	1	7,328
8800023	BR6454	F191		313B	317F	42015	12/01/87	12/31/87	1	34,126
8800023	BR6455	F191		313B	317F	44004	12/01/87	12/31/87	1	3,268
8800023	BR6456	F191		313B	317F	44005	12/01/87	12/31/87	1	8,916
8800023	BR6457	F191		313B	317F	44006	12/01/87	12/31/87	1	43,761
8800023	BR6458	F191		313B	317F	44007	12/01/87	12/31/87	1	7,284
8800023	BR6459	F191		313B	317F	44008	12/01/87	12/31/87	1	1,414
8800023	BR6460	F191		313B	317F	44009	12/01/87	12/31/87	1	7,396
8800023	BR6461	F191		313B	317F	44011	12/01/87	12/31/87	1	5,268
8800023	BR6462	F191		313B	317F	44012	12/01/87	12/31/87	1	6,984
8800023	BR6463	F191		313B	317F	44013	12/01/87	12/31/87	1	7,388
8800023	BR6464	F191		313B	317F	45001	12/01/87	12/31/87	1	7,461

ESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800023	BR6465	F191		313B	317F	46001	12/01/87	12/31/87	1	8,892
8800023	BR6466	F191		313B	317F	46002	12/01/87	12/31/87	1	8,908
8800023	BR6467	F191		313B	317F	46003	12/01/87	12/31/87	1	8,904
8800023	BR6468	F191		313B	317F	46004	12/01/87	12/31/87	1	5,654
8800023	BR6469	F191		313B	317F	46005	12/01/87	12/31/87	1	8,906
8800023	BR6470	F191		313B	317F	46006	12/01/87	12/31/87	1	4,316
8800023	BR6471	F191		313B	317F	46010	12/01/87	12/31/87	1	7,430
8800023	BR6472	F191		313B	317F	46011	12/01/87	12/31/87	1	2,480
8800023	BR6473	F191		313B	317F	46012	12/01/87	12/31/87	1	7,394
8800023	BR6474	F191		313B	317F	46014	12/01/87	12/31/87	1	7,422
8800023	BR6475	F191		313B	317F	46017	12/01/87	12/31/87	1	496
8800023	BR6476	F191		313B	317F	46022	12/01/87	12/31/87	1	8,916
8800023	BR6477	F191		313B	317F	46025	12/01/87	12/31/87	1	7,414
8800023	BR6478	F191		313B	317F	46027	12/01/87	12/31/87	1	7,216
8800023	BR6479	F191		313B	317F	46028	12/01/87	12/31/87	1	8,766
8800023	BR6480	F191		313B	317F	46035	12/01/87	12/31/87	1	7,046
8800023	BR6481	F191		313B	317F	46039	12/01/87	12/31/87	1	7,024
8800023	BR6482	F191		313B	317F	46040	12/01/87	12/31/87	1	7,414
8800023	BR6483	F191		313B	317F	46041	12/01/87	12/31/87	1	7,430
8800023	BR6484	F191		313B	317F	46042	12/02/87	12/31/87	1	42,112
8800023	BR6485	F191		313B	317F	51002	12/01/87	12/31/87	1	8,544
8800023	BR6486	F191		313B	317F	51004	12/01/87	12/31/87	1	2,966
8800023	BR6487	F191		313B	317F	51005	12/01/87	12/31/87	1	7,248

ESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8800023	BR6488	F191		313B	317F	ALRF1	12/01/87	12/04/87	1	176
8800023	BR6489	F191		313B	317F	ALSN6	12/01/87	12/31/87	1	1,484
8800023	BR6490	F191		313B	317F	BURL1	12/04/87	12/31/87	1	1,312
8800023	BR6491	F191		313B	317F	BUZM3	12/01/87	12/31/87	1	1,486
8800023	BR6492	F191		313B	317F	CAR03	12/01/87	12/31/87	1	1,488
8800023	BR6493	F191		313B	317F	CHLV2	12/01/87	12/31/87	1	1,488
8800023	BR6494	F191		313B	317F	CLKN7	12/01/87	12/31/87	1	1,462
8800023	BR6495	F191		313B	317F	CSBF1	12/01/87	12/31/87	1	1,488
8800023	BR6496	F191		313B	317F	DBLN6	12/01/87	12/31/87	1	1,290
8800023	BR6497	F191		313B	317F	DESW1	12/01/87	12/31/87	1	1,488
8800023	BR6498	F191		313B	317F	DISW3	12/01/87	12/31/87	1	1,488
8800023	BR6499	F191		313B	317F	DPIA1	12/01/87	12/31/87	1	1,488
8800023	BR6500	F191		313B	317F	D8LN7	12/01/87	12/31/87	1	1,486
8800023	BR6501	F191		313B	317F	FBIS1	12/01/87	12/31/87	1	1,486
8800023	BR6502	F191		313B	317F	FFIA2	12/01/87	12/31/87	1	1,484
8800023	BR6503	F191		313B	317F	FPSN7	12/01/87	12/31/87	1	1,486
8800023	BR6504	F191		313B	317F	GDIL1	12/01/87	12/31/87	1	1,486
8800023	BR6505	F191		313B	317F	GLLN6	12/01/87	12/31/87	1	1,406
8800023	BR6506	F191		313B	317F	IOGN3	12/01/87	12/31/87	1	1,488
8800023	BR6507	F191		313B	317F	LKWF1	12/01/87	12/31/87	1	1,482
8800023	BR6508	F191		313B	317F	MDRM1	12/01/87	12/31/87	1	1,488
8800023	BR6509	F191		313B	317F	MISM1	12/01/87	12/31/87	1	1,488
0023	BR6510	F191		313B	317F	MLRF1	12/04/87	12/31/87	1	1,318
8800023	BR6511	F191		313B	317F	NWPO3	12/01/87	12/31/87	1	1,488
8800023	BR6512	F191		313B	317F	PILM4	12/01/87	12/31/87	1	1,486
8800023	BR6513	F191		313B	317F	PTAC1	12/01/87	12/31/87	1	1,488
8800023	BR6514	F191		313B	317F	PTAT2	12/01/87	12/31/87	1	1,486
8800023	BR6515	F191		313B	317F	PTGC1	12/01/87	12/31/87	1	1,358
8800023	BR6516	F191		313B	317F	ROAM4	12/01/87	12/31/87	1	1,486
8800023	BR6517	F191		313B	317F	SAUF1	12/01/87	12/31/87	1	1,486
8800023	BR6518	F191		313B	317F	SBIO1	12/01/87	12/31/87	1	1,488
8800023	BR6519	F191		313B	317F	SGNW3	12/01/87	12/31/87	1	1,484
8800023	BR6520	F191		313B	317F	SISW1	12/01/87	12/31/87	1	1,486
8800023	BR6521	F191		313B	317F	SAGF1	12/01/87	12/31/87	1	1,400
8800023	BR6522	F191		313B	317F	SAST2	12/01/87	12/31/87	1	1,488
8800023	BR6523	F191		313B	317F	STDMA	12/01/87	12/31/87	1	1,488
8800023	BR6524	F191		313B	317F	SVLS1	12/01/87	12/31/87	1	1,486
8800023	BR6525	F191		313B	317F	TPLM2	12/01/87	12/31/87	1	1,484
8800023	BR6526	F191		313B	317F	TTIW1	12/01/87	12/31/87	1	1,484
8800023	BR6527	F191		313B	317F	VENF1	12/01/87	12/31/87	1	1,474
8800023	BR6528	F191		313B	317F	WPOW1	12/01/87	12/31/87	1	1,500



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

January 21, 1988

F1804-02
DB3:88-0037
WET:njm

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

Dear Ms. Green:

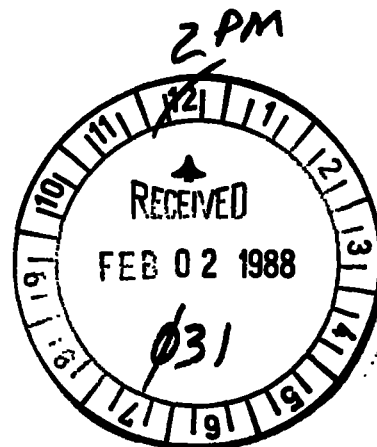
Enclosed are the December 1987 9TK, 1600 BPI, NDBC archive tapes, recorded in the 191 tape format. The enclosure contains a list of stations and the inclusive dates that are on each tape.

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

Sincerely,

Wanda S. Ura
for
Sallie P. Nolan
ADP Manager

Enclosures

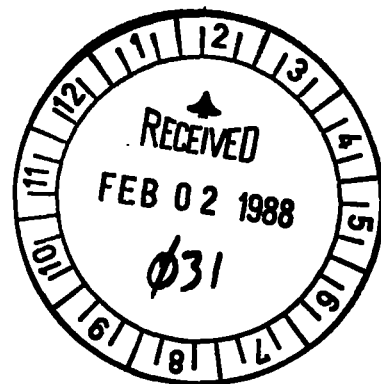


Attachment

Tape 1: 32302 12018700-12318723
41001 12018700-12318723
41002 12018700-12318723
41006 12018700-12318723
42001 12018700-12318723
42002 12018700-12318723
42003 12018700-12038718
42007 12018700-12318723
42015 12018700-12318723
44004 12018700-12318723
44005 12018700-12318723
44006 12018700-12318723
44007 12018700-12318723
44008 12018700-12318723
44009 12018700-12318723
44011 12018700-12318723
44012 12018700-12318723
44013 12018700-12318723
45001 12018700-12318723

Tape 2: 46001 12018700-12318723
46002 12018700-12318723
46003 12018700-12318723
46004 12018700-12318723
46005 12018700-12318723
46006 12018700-12318723
46010 12018700-12318723
46011 12018700-12318723
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46017 12018700-12318723
46022 12018700-12318723
46025 12018700-12318723
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46028 12018700-12318723
46035 12018700-12318723
46039 12018700-12318723
46040 12018700-12318723
46041 12018700-12318723
46042 12028705-12318723
51002 12018700-12318723
51004 12018700-12318723
51005 12018700-12318723

Tape 3 : ALRF1 12018700-12048715
ALSN6 12018700-12318723
BURL1 12048716-12318723
BUZM3 12018700-12318723



CAR03 12018700-12318723
CHLV2 12018700-12318723
CLKN7 12018700-12318723
CSBF1 12018700-12318723
DBLN6 12018700-12318723
DESW1 12018700-12318723
DISW3 12018700-12318723
DPIA1 12018700-12318723
DSLN7 12018700-12318723
FBIS1 12018700-12318723
FFIA2 12018700-12318723
FPSN7 12018700-12318723
GDIL1 12018700-12318723
GLLN6 12018700-12318723
IOSN3 12018700-12318723
LKWF1 12018700-12318723
MDRM1 12018700-12318723
MISM1 12018700-12318723
MLRF1 12048712-12318723
NWPO3 12018700-12318723
PILM4 12018700-12318723
PTAC1 12018700-12318723
PTAT2 12018700-12318723
PTGC1 12018700-12318723
ROAM4 12018700-12318723
SAUF1 12018700-12318723
SBI01 12018700-12318723
SGNW3 12018700-12318723
SISW1 12018700-12318723
SPGF1 12018700-12318723
SRST2 12018700-12318723
STDM4 12018700-12318723
SVLS1 12018700-12318723
TPLM2 12018700-12318723
TTIW1 12018700-12318723
VENF1 12018700-12318723
WPOW1 12018700-12318723

ACCESSION NO 8300023

FILETYPE F191

TRACK NO 26446-646*

PROJECT IDENTIFICATION 706A

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	02-10-88	<u>(S)</u>	A00650	1	120	4080	1
DUPLICATE TAPE	02-10-88	<u>(S)</u>	W03796*	1	120	4080	1
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED							

* Tape is non-labeled

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

D6446P

ACCESSION NO. 8800023

FILETYPE F191

TRACK NO. BR6465-6487

PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	2-10-88		A00651	1	120	4080	
DUPLICATE TAPE	2-10-88		W04068*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED							

* Tape is not labeled

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)



D 6465P

ACCESSION NO 8800023

FILETYPE F191

TRACK NO. B26488-6528

PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	02-10-88		A00652	1	120	4080	
DUPLICATE TAPE	02-10-88		W04006	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR FO22							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

** Tape is not labeled*

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

Password:

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
8800023	F291	BR6446	9999	313B	317F	1987/12/01	32302	176968
8800023	F291	BR6447	9999	313B	317F	1987/12/01	41001	176969
8800023	F291	BR6448	9999	313B	317F	1987/12/01	41002	176970
8800023	F291	BR6449	9999	313B	317F	1987/12/01	41006	176971
8800023	F291	BR6450	9999	313B	317F	1987/12/01	42001	176972
8800023	F291	BR6451	9999	313B	317F	1987/12/01	42002	176973
8800023	F291	BR6452	9999	313B	317F	1987/12/01	42003	176974
8800023	F291	BR6453	9999	313B	317F	1987/12/01	42007	176975
8800023	F291	BR6454	9999	313B	317F	1987/12/01	42015	176976
8800023	F291	BR6455	9999	313B	317F	1987/12/01	44004	176977
8800023	F291	BR6456	9999	313B	317F	1987/12/01	44005	176978
8800023	F291	BR6457	9999	313B	317F	1987/12/01	44006	176979
8800023	F291	BR6458	9999	313B	317F	1987/12/01	44007	176980
8800023	F291	BR6459	9999	313B	317F	1987/12/01	44008	176981
8800023	F291	BR6460	9999	313B	317F	1987/12/01	44009	176982
8800023	F291	BR6461	9999	313B	317F	1987/12/01	44011	176983
8800023	F291	BR6462	9999	313B	317F	1987/12/01	44012	176984
8800023	F291	BR6463	9999	313B	317F	1987/12/01	44013	176985
8800023	F291	BR6464	9999	313B	317F	1987/12/01	45001	176986
8800023	F291	BR6465	9999	313B	317F	1987/12/01	46001	176987
8800023	F291	BR6466	9999	313B	317F	1987/12/01	46002	176988
8800023	F291	BR6467	9999	313B	317F	1987/12/01	46003	176989
8800023	F291	BR6468	9999	313B	317F	1987/12/01	46004	176990
8800023	F291	BR6469	9999	313B	317F	1987/12/01	46005	176991
8800023	F291	BR6470	9999	313B	317F	1987/12/01	46006	176992
8800023	F291	BR6471	9999	313B	317F	1987/12/01	46010	176993
8800023	F291	BR6472	9999	313B	317F	1987/12/01	46011	176994
8800023	F291	BR6473	9999	313B	317F	1987/12/01	46012	176995
8800023	F291	BR6474	9999	313B	317F	1987/12/01	46014	176996
8800023	F291	BR6475	9999	313B	317F	1987/12/01	46017	176997
8800023	F291	BR6476	9999	313B	317F	1987/12/01	46022	176998
8800023	F291	BR6477	9999	313B	317F	1987/12/01	46025	176999
8800023	F291	BR6478	9999	313B	317F	1987/12/01	46027	177000
8800023	F291	BR6479	9999	313B	317F	1987/12/01	46028	177001
8800023	F291	BR6480	9999	313B	317F	1987/12/01	46035	177002
8800023	F291	BR6481	9999	313B	317F	1987/12/01	46039	177003
8800023	F291	BR6482	9999	313B	317F	1987/12/01	46040	177004
8800023	F291	BR6483	9999	313B	317F	1987/12/01	46041	177005
8800023	F291	BR6484	9999	313B	317F	1987/12/02	46042	177006
8800023	F291	BR6485	9999	313B	317F	1987/12/01	51002	177007
8800023	F291	BR6486	9999	313B	317F	1987/12/01	51004	177008
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8800023	F291	BR6488	9999	313B	317F	1987/12/01	ALRF1	177010
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8800023	F291	BR6490	9999	313B	317F	1987/12/04	BURL1	177012
8800023	F291	BR6491	9999	313B	317F	1987/12/01	BUZM3	177013
8800023	F291	BR6492	9999	313B	317F	1987/12/01	CARO3	177014
8800023	F291	BR6493	9999	313B	317F	1987/12/01	CHLV2	177015
8800023	F291	BR6494	9999	313B	317F	1987/12/01	CLKN7	177016
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8800023	F291	BR6498	9999	313B	317F	1987/12/01	DISW3	177020
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8800023	F291	BR6500	9999	313B	317F	1987/12/01	DSLN7	177022
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8800023	F291	BR6511	9999	313B	317F	1987/12/01	NWPO3	177033
8800023	F291	BR6512	9999	313B	317F	1987/12/01	PILM4	177034
8800023	F291	BR6513	9999	313B	317F	1987/12/01	PTAC1	177035
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8800023	F291	BR6515	9999	313B	317F	1987/12/01	PTGC1	177037
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8800023	F291	BR6517	9999	313B	317F	1987/12/01	SAUF1	177039
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8800023	F291	BR6522	9999	313B	317F	1987/12/01	SRST2	177044
8800023	F291	BR6523	9999	313B	317F	1987/12/01	STDMA	177045
8800023	F291	BR6524	9999	313B	317F	1987/12/01	SVLS1	177046
8800023	F291	BR6525	9999	313B	317F	1987/12/01	TPLM2	177047
8800023	F291	BR6526	9999	313B	317F	1987/12/01	TTIW1	177048
8800023	F291	BR6527	9999	313B	317F	1987/12/01	VENF1	177049
8800023	F291	BR6528	9999	313B	317F	1987/12/01	WPOW1	177050

(83 rows affected)

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accNo	flea	refNo	ship	staCnt	recCnt	startDate	endDate
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8800023	F291	BR6448	317F	1	2964	87/12/01	87/12/01
8800023	F291	BR6449	317F	1	5088	87/12/01	87/12/01
8800023	F291	BR6450	317F	1	2924	87/12/01	87/12/01
8800023	F291	BR6451	317F	1	2470	87/12/01	87/12/01
8800023	F291	BR6452	317F	1	44	87/12/01	87/12/01
8800023	F291	BR6453	317F	1	7328	87/12/01	87/12/01
8800023	F291	BR6454	317F	1	34126	87/12/01	87/12/01
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8800023	F291	BR6461	317F	1	5268	87/12/01	87/12/01
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8800023	F291	BR6463	317F	1	7388	87/12/01	87/12/01
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8800023	F291	BR6476	317F	1	8916	87/12/01	87/12/01
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8800023	F291	BR6478	317F	1	7216	87/12/01	87/12/01
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8800023	F291	BR6526	317F	1	1484	87/12/01	87/12/01
8800023	F291	BR6527	317F	1	1474	87/12/01	87/12/01
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