Reference # | BR5881-5905 | ACCESSION NUMBER | 8700270

FY91

DATA DOCUMENTATION FORM

June 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

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	06/01/87	06/30/87

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)*

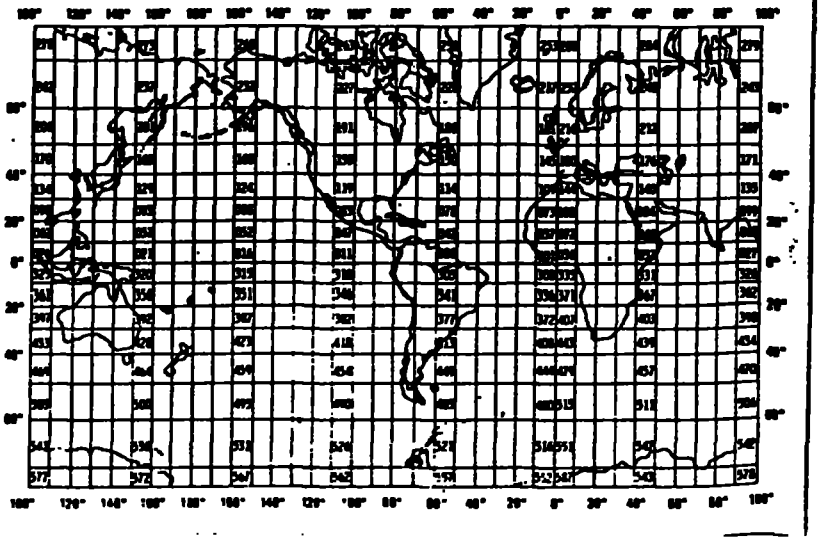
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

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 #	BR5906–5936	ACCESSION NUMBER	8700270

FT41

DATA DOCUMENTATION FORM

June 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
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NSTL Station, MS 39529

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		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
—	BUOY	BUOY	USA	06/01/87	06/30/87

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☒ NO ☐ YES

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(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

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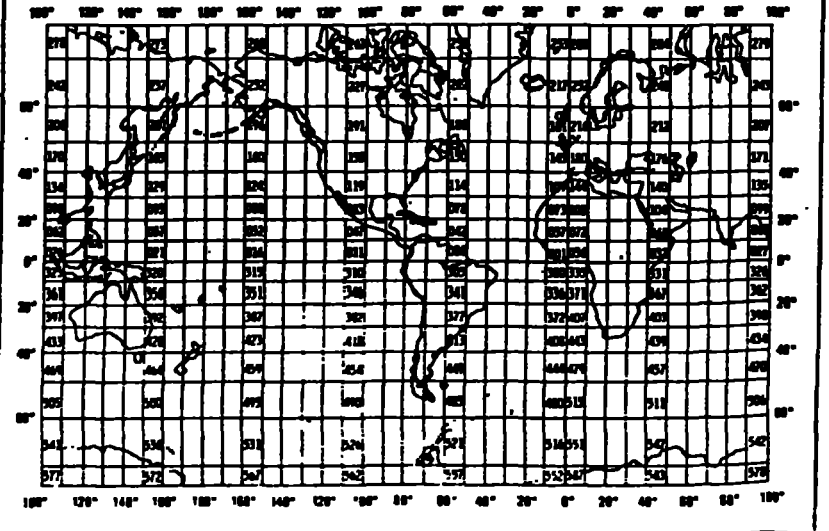
GENERAL AREA



Reference #	BR5939-5976	ACCESSION NUMBER	8700270

FIY1

DATA DOCUMENTATION FORM

June 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

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

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

TOGA

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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	06/01/87	06/30/87

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☒ NO ☐ YES

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

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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

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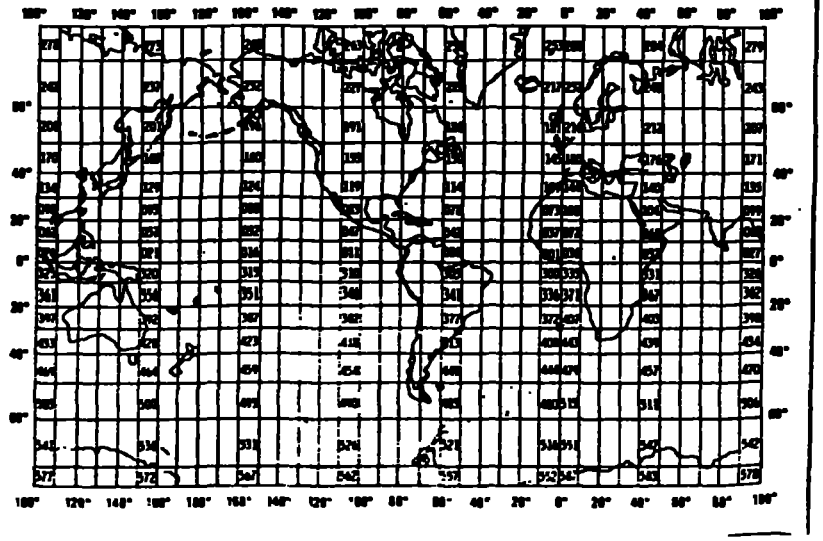

C. DATA FORMAT

#25118-17-87

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

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

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

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

7. PARITY ☒ ODD ☐ EVEN

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

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

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

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

12. PHYSICAL BLOCK LENGTH IN BYTES
4080

13. LENGTH OF BYTES IN BITS
8

RECORD FORMAT DESCRIPTION

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

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
DESCRIPTIVE HEADER RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1		A1	"1" Descriptive header record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
LATITUDE	27	6		3I2	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1		A1	"N" or "S" Hemisphere
LONGITUDE	34	7		I3, 2I2	Degrees, Minutes, Seconds
LON. HEMISPHERE	41	1		A1	"E" or "W" Hemisphere
BOTTOM DEPTH	42	5		I5	Meters to tenths
MAGNETIC VARIATION	47	4		I4	Whole degrees from true north (signed value)
BUOY HEADING*	51	3		I3	Whole degrees from true north
WAVE SAMPLING RATE*	54	4		I4	Original measurements per minute to tenths
WAVE SAMPLING DURATION*	58	4		I4	Minutes to hundredths
WAVE TOTAL INTERVALS*	62	3		I3	Number of frequency intervals
CHIEF SCIENTIST	65	20		A20	(optional)
INSTITUTION	85	20		A20	Data source
WIND SAMPLING DURATION	105	3		I3	Minutes to tenths
COMMENTS	108	13		A13	
*for buoy data only					RECORD LENGTH IS 120
ENVIRONMENTAL DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1		A1	"2" (environmental data rec.)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
ALTITUDE	27	3		I3	Meteorology alt., meters to tenths
AIR TEMP	30	4		I4	Temperature, Celsius to tenths
DEW POINT	34	4		I4	Temperature, Celsius to tenths
BAROMETER	38	5		I5	Millibars to tenths (reduced to sea level)
WIND SPEED	43	4		I4	Meters/sec. to hundredths
WIND DIRECTION	47	4		I4	From true north, degrees to tenths
WEATHER	51	1		I1	Current weather (WMO Code 4501)
VISIBILITY	52	3		I3	Nautical miles, to tenths

RECORD NAME File Type "191"

16. FIELD NAME	15. POSITION FROM-1 MEASURED IN ____ (e.g. bits, bytes)	18. LENGTH NUMBER	18. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
PRECIPITATION	55	4		I4	Accumulation in millimeters
SOLAR RADIATION	59	3		I3	Langleys/minute to hundredths - wave length less than 3.6
SOLAR RADIATION	62	3		I3	Langleys/minute to hundredths wave length from 4.0 to 50 microns
SIGNIFICANT WAVE HEIGHT	65	3		I3	Meters to tenths, corrected for low frequency noise, etc.
AVERAGE WAVE PERIOD	68	3		I3	Seconds to tenths
DOMINANT WAVE DIRECTION	71	3		I3	Direction of predominant waves in whole degrees from true N
HIGHEST CREST	74	3		I3	Meters to tenths, from reference level
DEEPEST TROUGH	77	3		I3	Meters to tenths, from reference level
SEA SURFACE TEMPERATURE	80	4		I4	Temperature Celsius to hundredths
SEA SURFACE SALINITY	84	5		I5	Parts per thousand to thousandths
CONDUCTIVITY	89	5		I5	Millimhos/cm to thousandths
DOMINANT WAVE PERIOD	94	3		I3	Seconds to tenths
MAXIMUM WAVE HEIGHT	97	3		I3	Meters to tenths
MAXIMUM WAVE STEEPNESS	100	3		I3	To be defined
WIND GUST	103	4		I4	Meters/sec. to hundredths
WIND GUST(avg.pd.) AVERAGING PERIOD	107	2		I2	Seconds
WIND GUST	109	4		I4	Meters/sec. to hundredths
WIND GUST	113	2		I2	Seconds
WIND SPEED(58 min. average)	115	3		I3	Meters/sec. to tenths whole degrees
WIND DIRECTION(58 min. average)	118	3		I3	Whole degrees
WAVE SPECTRA DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1		A1	"3"(Wave Spectra Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
INTERVALS PER DIRECTION	27	3		I3	Zero for non-directional spectra, or total number of frequencies in this direction
DIRECTION	30	4		I4	Blank for non-directional spectra, or degrees to tenths from true N for frequencies on this record

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
WAVE SPECTRA DATA RECORD (cont'd)					
COUNT	34	1		I1	Number of frequencies on this record
DATA	35	70		5(2I4,I6)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35, 49, 63, 77, 91	4		I4	Center frequency of interval in Hertz to thousandths
Resolution	39, 53, 67, 81, 95	4		I4	Resolution of interval in Hertz to ten-thousandths
Density	43, 57, 71, 85, 99	6		I6	Spectral Density of interval in m^2/Hz to thousandths
BLANKS	105	16		16X	Fill the fixed length record
SUBSURFACE TEMPERATURE DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1		A1	"4" (Subsurface Temperature Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
DATA	27	90		10(I5,I4)	Up to 10 Depth and temperature fields
Depth	27, 36, 45, 54, 63, 72, 81, 90, 99, 108	5		I5	Obs. level, meters to tenths
Temperature	32, 41, 50, 59, 68, 77, 86, 95, 104, 113	4		I4	Degrees Celsius to hundredths (include Sea Surface Temperature
BLANKS	117	4		4X	Fill the fixed length record
SUBSURFACE DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1		A1	"5" (Subsurface Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
DATA	27	90		3(I5,I5,I5 I5,I5,I5)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27, 57, 87	5		I5	Obs. Level, meters to tenths

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. bits, bytes)	16. LENGTH (UNITS)	UNITS	17. ATTRIBUTES	18. USE AND MEANING
SUBSURFACE DATA RECORD (cont'd)				—	
U Component	32, 62, 92	5		I5	East vector in cm/sec. to tenths
V Component	37, 67, 97	5		I5	True north vector in cm/sec. to tenths
Pressure	42, 72,102	5		I5	Kg./cm^2 to hundredths
Conductivity	47, 77,107	5		I5	Millimhos/cm to thousandths
Salinity	52, 82,112	5		I5	Parts per 1000 to thousandths
BLANKS	117	4		4X	Fill the fixed length record

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND CODING
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 44233-P77

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

NOAA FORM 24-13

USCOMM-DC 44231-P72

PARAMETER	DESCRIPTION	SC
DIRECTIONAL WAVE PARAMETER		
RECORD	Always '8'	10
STATION	See Record '1'	11
OBSERVED DATE (GMT)	YYMMDD	17
OBSERVED TIME	HHMM	23
COUNT	X - Number of Frequencies on this Record (=1,2,or3)	27
FREQUENCY	XXXX - Center of Band in HZ to Ten-Thousandths	28
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten-Thousandths	32
R1 (see below)	XXXX - Recorded to Nearest Hundredth	36
R2 (see below)	XXXX - Recorded to Nearest Hundredth	40
A1 (see below)	XXXX - Recorded in Degrees to Tenths	44
A2 (see below)	XXXX - Recorded in Degrees to Tenths	48
C11S (see below)	XXXXXX - Recorded in Meters Squared/HZ to Thousandths	52
FREQUENCY	XXXX - Center of Band in HZ to Ten-Thousandths	58
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten-Thousandths	62
R1 (see below)	XXXX - Recorded to Nearest Hundredth	66
R2 (see below)	XXXX - Recorded to Nearest Hundredth	70
A1 (see below)	XXXX - Recorded in Degrees to Tenths	74
A2 (see below)	XXXX - Recorded in Degrees to Tenths	78
C11S (see below)	XXXXXX - Recorded in Meters Squared/HZ to Thousandths	82
FREQUENCY	XXXX - Center of Band in HZ to Ten-Thousandths	88
RESOLUTION (BANDWIDTH)	XXXX - Bandwidth in HZ to Ten-Thousandths	92
R1 (see below)	XXXX - Recorded to Nearest Hundredth	96
R2 (see below)	XXXX - Recorded to Nearest Hundredth	100
A1 (see below)	XXXX - Recorded in Degrees to Tenths	104
A2 (see below)	XXXX - Recorded in Degrees to Tenths	108
C11S (see below)	XXXXXX - Recorded in Meters Squared/HZ to Thousandths	112
BLANKS		118

NOTE: DIRECTIONAL WAVE SPECTRA = S(F,A)*D(F,A), in which F = FREQ(HZ), A = Azimuth Angle measured clockwise from North to direction wave is from. D(F,A) = (1/PI)*((1/2)+R1*COS(A-A1)+R2*COS(2*(A-A2))), in which R1 and R2 are dimensionless and A1 and A2 are respectively mean and principal wave directions. In terms of Longuet-Riggins 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.

[illegible] | 8-14-87 | [illegible]

...TMENT TO BE USED AND FUNCTION TO BE PERFORMED

- Scan

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

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

...E/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME		
...UT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
	A00560		9	1600	odd	NL	FB	120	4080
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
...UT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		

...IAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PR... DISKETTES USED, CARDS PUNCHED, CARDS KEYVERI...
87082001	08/20/87	08:10	08:15	C	COMPLETED BY J.S.

June 87
1083

Dean Clark | 5-19-87 | 2

STMENT TO BE USED AND FUNCTION TO BE PERFORMED

Dean

'UT MEDIUM 'APER CARD DISK (TAPE) :SKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK (PRINT) TAPE PLOT DISKETTE OTHER(SPECIFY)

'E/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
			9	1600	odd	NL	FB	120	4080	
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
UT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
	A00561									
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
'UT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			

.IAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI DISKETTES USED, CARDS PUNCHED, CARDS KEYVERI
87032a02	08/24/87	08:24	08:25	C	COMPLETED BY J.S.

EM.

June 87
273

Wiring chart | | 8-14-87 |

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Acct

UT MEDIUM	OUTPUT MEDIUM
APER CARD DISK (TAPE) SKETTE OTHER(SPECIFY)	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
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		
JT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
	A-00562		9	1600	Odd	NL	FB	120	4080
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE
UT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME		

IAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

USE ONLY

	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PR DISKETTES USED, CARDS PUNCHED, CARDS KEYVERI
	08/20/87	0830	08:35	C	COMPLETED BY J.S.

June 87
3083

IPMENT TO BE USED AND FUNCTION TO BE PERFORMED

Copy to 'W' tape and Scan output

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

/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# F
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PI DA
T	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# F
	A10560		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PI DA
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI
	W13774		9	1600	odd	NL	FB	120	4080	1
IT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DA

AL INSTRUCTIONS

Procedure BRBUCY8

Watch 5881.Dat

ESTIMATED EXECUTION TIME

USE ONLY

	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIF
08210	08/24/87	0825		C	COMPLETED BY J.S.

NTS

June 87
173

			3-24-87	21

IPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Copy to 1/2" tape and plan output

JT MEDIUM	OUTPUT MEDIUM
APER CARD DISK (TAPE) SKETTE OTHER(SPECIFY)	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	# F

SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)	DATA SET NAME	P D

T

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# F
A00561		9	1600	odd	NL	FB	120	4080	1

SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)	DATA SET NAME	P D

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# F
W13689		9	1600	odd	NL	FB	120	4052	1

UT

SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)	DATA SET NAME	P D

AL INSTRUCTIONS

Procedure-BR8404.1

Mitch 5906.Dat

ESTIMATED EXECUTION TIME

USE ONLY

	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIF
8/08/23/03	08/25/87	11:15	13:30	C	COMPLETED BY J.S.

NTS

June 87
203

[illegible] SUBMITTED 8-25-87 27

...PMENT TO BE USED AND FUNCTION TO BE PREFORMED

Copy to 'W' tape and scan output

...T MEDIUM	OUTPUT MEDIUM
...PER CARD DISK (TAPE circled) ...KETTE OTHER(SPECIFY)	CARD DISK (PRINT circled) (TAPE circled) PLOT DISKETTE OTHER(SPECIFY)

...DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI...
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU... DA...
...T	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FI...
	A00567		9	1600	odd	NL	FB	120	4080	
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII circled) 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...
	W14022		9	1600	odd	NL	FB	120	4080	
...T	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII circled) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU... DA...

...AL INSTRUCTIONS

Procedure BFBH0Y.11

Match 5937.Dat

ESTIMATED EXECUTION TIME

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI... DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI...
8/26/87	12:30		C	COMPLETED BY J.S.

...NTS

8700825001

June 87
302.3

ACCESSION NO. 8700270 FILETYPE F19(TRACK NO. BR5881-5905 PROJECT IDENTIFICATION T06A

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	8/27/87	JS	A00560	1	120	4080	
DUPLICATE TAPE	8/27/87	JS	W13174*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

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

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8700270 FILETYPE F191 TRACK NO. BR5906-5936 PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	8/27/87	[illegible]	A00561	1	120	4080	
DUPLICATE TAPE	8/27/87	[illegible]	W13689*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

*Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 87QQ270 FILETYPE F191 TRACK NO. BR5977-5976 PROJECT IDENTIFICATION [redacted]

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	8/27/87	[redacted]	A00562	1	120	4080	
DUPLICATE TAPE	8/27/87	[redacted]	W14022*	1	120	4080	
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

*Tape is non-label

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

D140P

#251/8-17-87

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

July 28, 1987

F360
DB3:87-0366
SPN:njm

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

Dear Ms. Green:

Enclosed are the June 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,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures

Attachment

Tape 1: 32302 06018700-06308723
41001 06018700-06228708
41002 06018700-06308723
41006 06028715-06308723
42001 06018700-06308723
42002 06018700-06308723
42003 06018700-06308723
42007 06018700-06308723
42015 06018700-06308723
44004 06018700-06308723
44005 06018700-06308723
44007 06018700-06308723
44008 06018700-06308723
44009 06018700-06308723
44011 06018700-06308723
44012 06018700-06308723
44013 06018700-06308723
45001 06018700-06308723
45002 06018700-06308723
45003 06018700-06308723
45004 06018700-06308723
45005 06018700-06308723
45006 06018700-06308723
45007 06018700-06308723
45008 06018700-06308715

Tape 2: 46001 06018700-06308723
46002 06018700-06308723
46003 06018700-06308723
46004 06018700-06308723
46006 06018700-06308723
46010 06018700-06308723
46011 06018700-06308723
46012 06168723-06308723
46013 06018700-06308723
46014 06018700-06308723
46016 06018700-06308723
46017 06018700-06308723
46022 06018700-06308723
46023 06018700-06308723
46025 06018700-06308723
46026 06018700-06308723
46027 06018700-06308723
46028 06018700-06308723
46035 06018700-06218716
46036 06018700-06308723
46039 06108718-06308723
46040 06018700-06308723
46041 06098717-06308723

46042 06178717-06308723
46043 06018700-06308723
46125 06018700-06198723
51001 06018700-06308723
51002 06018700-06308723
51003 06018700-06308723
51004 06018700-06308723
51005 06018700-06308723

Tape 3 : ALRF1 06018700-06308723
ALSN6 06018700-06308723
BURL1 06018700-06308723
BUZM3 06018700-06308723
CARO3 06018700-06308723
CHLV2 06018700-06308723
CLKN7 06018700-06308723
CSBF1 06018700-06288718
DBLN6 06018700-06308723
DESW1 06018700-06308723
DISW3 06018700-06308723
DPIA1 06018700-06308723
DSLN7 06018700-06308723
FBIS1 06018700-06308723
FFIA2 06018700-06308723
FPSN7 06018700-06308723
GDIL1 06018700-06308723
GLLN6 06018700-06308723
IOSN3 06018700-06308723
LKWF1 06018700-06308723
MDRM1 06198719-06308723
MISM1 06018700-06308723
NWPO3 06018700-06308723
PILM4 06018700-06308723
PTAC1 06018700-06308723
PTAT2 06018700-06308723
PTGC1 06018700-06308723
ROAM4 06018700-06308723
SAUF1 06018700-06308723
SBIO1 06018700-06308723
SGNW3 06018700-06308723
SISW1 06018700-06308723
SPGF1 06018700-06308723
SRST2 06018700-06308723
STDM4 06018700-06308723
SVLS1 06018700-06308723
TPLM2 06018700-06308723
TTIW1 06058721-06308723
VENF1 06018700-06308723
WPOW1 06018700-06308723

8700270

TO: E/OC12 - C. Noe

E/OC11 - P. Hedsell

FROM: E/OC13 - A. Picciolo

DATE: September 14, 1987

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

DATA INVENTORY AND ARCHIVES BRANCH (E/OC11)

DRIFTING BUOYS (F156)

Acc: 8700255 Ref: TT9916 - 9980 65 stations 14,943 records
JUNE 1987 - TOGA

WIND/WAVE SPECTRA (F191)

Acc: 8700270 Ref: BR5881 - 5976 96 stations 439,382 records
JUNE 1987

OCEAN STATIONS (C100)

Acc: 8700094 Ref: 318811 - 318813; 328663 388 stations
WHOI AII, KNORR & OCEANUS 8,779 records

Acc: 8600371 Ref: 31658 - 318670; 328611; 323055 153 stations
2,906 records

SIO SCRIPPS,JORDAN,CROMWELL,WECOMA, NEW HORIZON

CALCOFI

---

cc: Division Director

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8700270	F291	BR5881	9999	313B	317F	1987/06/01	32302	172556
8700270	F291	BR5882	9999	313B	317F	1987/06/01	41001	172557
8700270	F291	BR5883	9999	313B	317F	1987/06/01	41002	172558
8700270	F291	BR5884	9999	313B	317F	1987/06/02	41006	172559
8700270	F291	BR5885	9999	313B	317F	1987/06/01	42001	172560
8700270	F291	BR5886	9999	313B	317F	1987/06/01	42002	172561
8700270	F291	BR5887	9999	313B	317F	1987/06/01	42003	172562
8700270	F291	BR5888	9999	313B	317F	1987/06/01	42007	172563
8700270	F291	BR5889	9999	313B	317F	1987/06/01	42015	172564
8700270	F291	BR5890	9999	313B	317F	1987/06/01	44004	172565
8700270	F291	BR5891	9999	313B	317F	1987/06/01	44005	172566
8700270	F291	BR5892	9999	313B	317F	1987/06/01	44007	172567
8700270	F291	BR5893	9999	313B	317F	1987/06/01	44008	172568
8700270	F291	BR5894	9999	313B	317F	1987/06/01	44009	172569
8700270	F291	BR5895	9999	313B	317F	1987/06/01	44011	172570
8700270	F291	BR5896	9999	313B	317F	1987/06/01	44012	172571
8700270	F291	BR5897	9999	313B	317F	1987/06/01	44013	172572
8700270	F291	BR5898	9999	313B	317F	1987/06/01	45001	172573
8700270	F291	BR5899	9999	313B	317F	1987/06/01	45002	172574
8700270	F291	BR5900	9999	313B	317F	1987/06/01	45003	172575
8700270	F291	BR5901	9999	313B	317F	1987/06/01	45004	172576
8700270	F291	BR5902	9999	313B	317F	1987/06/01	45005	172577
8700270	F291	BR5903	9999	313B	317F	1987/06/01	45006	172578
8700270	F291	BR5904	9999	313B	317F	1987/06/01	45007	172579
8700270	F291	BR5905	9999	313B	317F	1987/06/01	45008	172580
8700270	F291	BR5906	9999	313B	317F	1987/06/01	46001	172581
8700270	F291	BR5907	9999	313B	317F	1987/06/01	46002	172582
8700270	F291	BR5908	9999	313B	317F	1987/06/01	46003	172583
8700270	F291	BR5909	9999	313B	317F	1987/06/01	46004	172584
8700270	F291	BR5910	9999	313B	317F	1987/06/01	46006	172585
8700270	F291	BR5911	9999	313B	317F	1987/06/01	46010	172586
8700270	F291	BR5912	9999	313B	317F	1987/06/01	46011	172587
8700270	F291	BR5913	9999	313B	317F	1987/06/16	46012	172588
8700270	F291	BR5914	9999	313B	317F	1987/06/01	46013	172589
8700270	F291	BR5915	9999	313B	317F	1987/06/01	46014	172590
8700270	F291	BR5916	9999	313B	317F	1987/06/01	46016	172591
8700270	F291	BR5917	9999	313B	317F	1987/06/01	46017	172592
8700270	F291	BR5918	9999	313B	317F	1987/06/01	46022	172593
8700270	F291	BR5919	9999	313B	317F	1987/06/01	46023	172594
8700270	F291	BR5920	9999	313B	317F	1987/06/01	46025	172595
8700270	F291	BR5921	9999	313B	317F	1987/06/01	46026	172596
8700270	F291	BR5922	9999	313B	317F	1987/06/01	46027	172597
8700270	F291	BR5923	9999	313B	317F	1987/06/01	46028	172598
8700270	F291	BR5924	9999	313B	317F	1987/06/01	46035	172599
8700270	F291	BR5925	9999	313B	317F	1987/06/01	46036	172600
8700270	F291	BR5926	9999	313B	317F	1987/06/10	46039	172601
8700270	F291	BR5927	9999	313B	317F	1987/06/01	46040	172602
8700270	F291	BR5928	9999	313B	317F	1987/06/09	46041	172603
8700270	F291	BR5929	9999	313B	317F	1987/06/17	46042	172604
8700270	F291	BR5930	9999	313B	317F	1987/06/01	46043	172605
8700270	F291	BR5931	9999	313B	317F	1987/06/01	46125	172606
8700270	F291	BR5932	9999	313B	317F	1987/06/01	51001	172607
8700270	F291	BR5933	9999	313B	317F	1987/06/01	51002	172608
8700270	F291	BR5934	9999	313B	317F	1987/06/01	51003	172609
8700270	F291	BR5935	9999	313B	317F	1987/06/01	51004	172610
8700270	F291	BR5936	9999	313B	317F	1987/06/01	51005	172611

8700270	F291	BR5937	9999	313B	317F	1987/06/01	ALRF1	172612
8700270	F291	BR5938	9999	313B	317F	1987/06/01	ALSN6	172613
8700270	F291	BR5939	9999	313B	317F	1987/06/01	BURL1	172614
8700270	F291	BR5940	9999	313B	317F	1987/06/01	BUZM3	172615
8700270	F291	BR5941	9999	313B	317F	1987/06/01	CARO3	172616
8700270	F291	BR5942	9999	313B	317F	1987/06/01	CHLV2	172617
8700270	F291	BR5943	9999	313B	317F	1987/06/01	CLKN7	172618
8700270	F291	BR5944	9999	313B	317F	1987/06/01	CSBF1	172619
8700270	F291	BR5945	9999	313B	317F	1987/06/01	DBLN6	172620
8700270	F291	BR5946	9999	313B	317F	1987/06/01	DESW1	172621
8700270	F291	BR5947	9999	313B	317F	1987/06/01	DISW3	172622
8700270	F291	BR5948	9999	313B	317F	1987/06/01	DPIA1	172623
8700270	F291	BR5949	9999	313B	317F	1987/06/01	DSLN7	172624
8700270	F291	BR5950	9999	313B	317F	1987/06/01	FBIS1	172625
8700270	F291	BR5951	9999	313B	317F	1987/06/01	FFIA2	172626
8700270	F291	BR5952	9999	313B	317F	1987/06/01	FPSN7	172627
8700270	F291	BR5953	9999	313B	317F	1987/06/01	GDIL1	172628
8700270	F291	BR5954	9999	313B	317F	1987/06/01	GLLN6	172629
8700270	F291	BR5955	9999	313B	317F	1987/06/01	IOSN3	172630
8700270	F291	BR5956	9999	313B	317F	1987/06/01	LKWF1	172631
8700270	F291	BR5957	9999	313B	317F	1987/06/19	MDRM1	172632
8700270	F291	BR5958	9999	313B	317F	1987/06/01	MISM1	172633
8700270	F291	BR5959	9999	313B	317F	1987/06/01	NWPO3	172634
8700270	F291	BR5960	9999	313B	317F	1987/06/01	PILM4	172635
8700270	F291	BR5961	9999	313B	317F	1987/06/01	PTAC1	172636
8700270	F291	BR5962	9999	313B	317F	1987/06/01	PTAT2	172637
8700270	F291	BR5963	9999	313B	317F	1987/06/01	PTGC1	172638
8700270	F291	BR5964	9999	313B	317F	1987/06/01	ROAM4	172639
8700270	F291	BR5965	9999	313B	317F	1987/06/01	SAUF1	172640
8700270	F291	BR5966	9999	313B	317F	1987/06/01	SBIO1	172641
8700270	F291	BR5967	9999	313B	317F	1987/06/01	SGNW3	172642
8700270	F291	BR5968	9999	313B	317F	1987/06/01	SISW1	172643
8700270	F291	BR5969	9999	313B	317F	1987/06/01	SPGF1	172644
8700270	F291	BR5970	9999	313B	317F	1987/06/01	SRST2	172645
8700270	F291	BR5971	9999	313B	317F	1987/06/01	STDM4	172646
8700270	F291	BR5972	9999	313B	317F	1987/06/01	SVLS1	172647
8700270	F291	BR5973	9999	313B	317F	1987/06/01	TPLM2	172648
8700270	F291	BR5974	9999	313B	317F	1987/06/05	TTIW1	172649
8700270	F291	BR5975	9999	313B	317F	1987/06/01	VENF1	172650
8700270	F291	BR5976	9999	313B	317F	1987/06/01	WPOW1	172651

(96 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8700270	F291	BR5881	317F	1	6918	87/06/01	87/06/01
8700270	F291	BR5882	317F	1	6076	87/06/01	87/06/01
8700270	F291	BR5883	317F	1	8630	87/06/01	87/06/01
8700270	F291	BR5884	317F	1	8148	87/06/02	87/06/02
8700270	F291	BR5885	317F	1	6222	87/06/01	87/06/01
8700270	F291	BR5886	317F	1	7174	87/06/01	87/06/01
8700270	F291	BR5887	317F	1	7184	87/06/01	87/06/01
8700270	F291	BR5888	317F	1	7142	87/06/01	87/06/01
8700270	F291	BR5889	317F	1	1436	87/06/01	87/06/01
8700270	F291	BR5890	317F	1	8608	87/06/01	87/06/01
8700270	F291	BR5891	317F	1	8630	87/06/01	87/06/01
8700270	F291	BR5892	317F	1	7174	87/06/01	87/06/01
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8700270	F291	BR5895	317F	1	8630	87/06/01	87/06/01
8700270	F291	BR5896	317F	1	7118	87/06/01	87/06/01
8700270	F291	BR5897	317F	1	7182	87/06/01	87/06/01
8700270	F291	BR5898	317F	1	7126	87/06/01	87/06/01
8700270	F291	BR5899	317F	1	6942	87/06/01	87/06/01
8700270	F291	BR5900	317F	1	6090	87/06/01	87/06/01
8700270	F291	BR5901	317F	1	7148	87/06/01	87/06/01
8700270	F291	BR5902	317F	1	7150	87/06/01	87/06/01
8700270	F291	BR5903	317F	1	7004	87/06/01	87/06/01
8700270	F291	BR5904	317F	1	7130	87/06/01	87/06/01
8700270	F291	BR5905	317F	1	6544	87/06/01	87/06/01
8700270	F291	BR5906	317F	1	8606	87/06/01	87/06/01
8700270	F291	BR5907	317F	1	8584	87/06/01	87/06/01
8700270	F291	BR5908	317F	1	8560	87/06/01	87/06/01
8700270	F291	BR5909	317F	1	8620	87/06/01	87/06/01
8700270	F291	BR5910	317F	1	7110	87/06/01	87/06/01
8700270	F291	BR5911	317F	1	6860	87/06/01	87/06/01
8700270	F291	BR5912	317F	1	7162	87/06/01	87/06/01
8700270	F291	BR5913	317F	1	3344	87/06/16	87/06/16
8700270	F291	BR5914	317F	1	7158	87/06/01	87/06/01
8700270	F291	BR5915	317F	1	7156	87/06/01	87/06/01
8700270	F291	BR5916	317F	1	478	87/06/01	87/06/01
8700270	F291	BR5917	317F	1	472	87/06/01	87/06/01
8700270	F291	BR5918	317F	1	8584	87/06/01	87/06/01
8700270	F291	BR5919	317F	1	7136	87/06/01	87/06/01
8700270	F291	BR5920	317F	1	7174	87/06/01	87/06/01
8700270	F291	BR5921	317F	1	7156	87/06/01	87/06/01
8700270	F291	BR5922	317F	1	7104	87/06/01	87/06/01
8700270	F291	BR5923	317F	1	8562	87/06/01	87/06/01
8700270	F291	BR5924	317F	1	4950	87/06/01	87/06/01
8700270	F291	BR5925	317F	1	8562	87/06/01	87/06/01
8700270	F291	BR5926	317F	1	4648	87/06/10	87/06/10
8700270	F291	BR5927	317F	1	7192	87/06/01	87/06/01
8700270	F291	BR5928	317F	1	5062	87/06/09	87/06/09
8700270	F291	BR5929	317F	1	602	87/06/17	87/06/17
8700270	F291	BR5930	317F	1	1440	87/06/01	87/06/01
8700270	F291	BR5931	317F	1	10824	87/06/01	87/06/01
8700270	F291	BR5932	317F	1	8576	87/06/01	87/06/01
8700270	F291	BR5933	317F	1	8606	87/06/01	87/06/01
8700270	F291	BR5934	317F	1	8582	87/06/01	87/06/01
8700270	F291	BR5935	317F	1	7954	87/06/01	87/06/01
8700270	F291	BR5936	317F	1	7176	87/06/01	87/06/01

8700270	F291	BR5937	317F	1	1406	87/06/01	87/06/01
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8700270	F291	BR5939	317F	1	1428	87/06/01	87/06/01
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8700270	F291	BR5942	317F	1	5404	87/06/01	87/06/01
8700270	F291	BR5943	317F	1	1422	87/06/01	87/06/01
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8700270	F291	BR5947	317F	1	1440	87/06/01	87/06/01
8700270	F291	BR5948	317F	1	1432	87/06/01	87/06/01
8700270	F291	BR5949	317F	1	1438	87/06/01	87/06/01
8700270	F291	BR5950	317F	1	1434	87/06/01	87/06/01
8700270	F291	BR5951	317F	1	1426	87/06/01	87/06/01
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8700270	F291	BR5955	317F	1	1440	87/06/01	87/06/01
8700270	F291	BR5956	317F	1	1408	87/06/01	87/06/01
8700270	F291	BR5957	317F	1	538	87/06/19	87/06/19
8700270	F291	BR5958	317F	1	1440	87/06/01	87/06/01
8700270	F291	BR5959	317F	1	1428	87/06/01	87/06/01
8700270	F291	BR5960	317F	1	1436	87/06/01	87/06/01
8700270	F291	BR5961	317F	1	1422	87/06/01	87/06/01
8700270	F291	BR5962	317F	1	1424	87/06/01	87/06/01
8700270	F291	BR5963	317F	1	1430	87/06/01	87/06/01
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8700270	F291	BR5965	317F	1	1432	87/06/01	87/06/01
8700270	F291	BR5966	317F	1	1418	87/06/01	87/06/01
8700270	F291	BR5967	317F	1	1430	87/06/01	87/06/01
8700270	F291	BR5968	317F	1	1226	87/06/01	87/06/01
8700270	F291	BR5969	317F	1	1424	87/06/01	87/06/01
8700270	F291	BR5970	317F	1	1428	87/06/01	87/06/01
8700270	F291	BR5971	317F	1	1440	87/06/01	87/06/01
8700270	F291	BR5972	317F	1	1438	87/06/01	87/06/01
8700270	F291	BR5973	317F	1	1436	87/06/01	87/06/01
8700270	F291	BR5974	317F	1	1194	87/06/05	87/06/05
8700270	F291	BR5975	317F	1	1406	87/06/01	87/06/01
8700270	F291	BR5976	317F	1	1462	87/06/01	87/06/01

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