

Reference # BR3136-3175 ACCESSION NUMBER 8600038

FM91 DATA DOCUMENTATION FORM February 1985

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 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
 41002, 41006, 42001-03, 42009, 44004, 44005, 44007, 44008, 44009, 44011-13, 46001-06, 46010-14, 46016-18, 46022-26, 46028-34

4. PLATFORM NAME(S)
 —

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

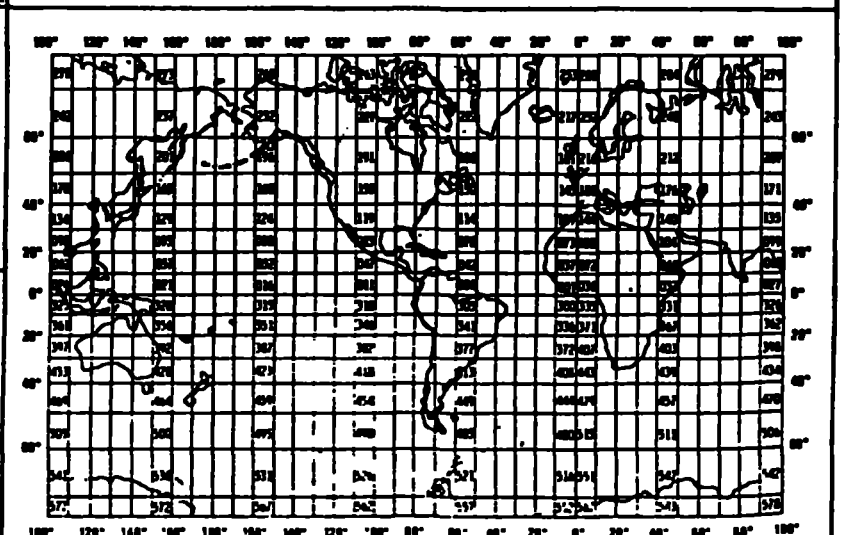
6. PLATFORM AND OPERATOR NATIONALITY(IES)
 BUOY USA

7. DATES
 FROM: MO, DAY, YR TO: MO, DAY, YR
 02/01/85 02/28/85

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 # **BR5844-5880** ACCESSION NUMBER **8600038**

DATA DOCUMENTATION FORM **February, 1985**

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
51001-04, ALRF2, ALSN6, BURL2, CARO3, CHLV2, CLKN7, CSBF2, DBLN6, DESW2, DISW3, DSLN7, FBIS2, FFIA2, FPSN7, GDZL2, G4N6, IOSN3, LKWF2, MDRM2, MISM7, NWPO3, PTIM4, PTAC2, PTAT2, PTCC2, SBTO3, SBNW3,

4. PLATFORM NAME(S)
-

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

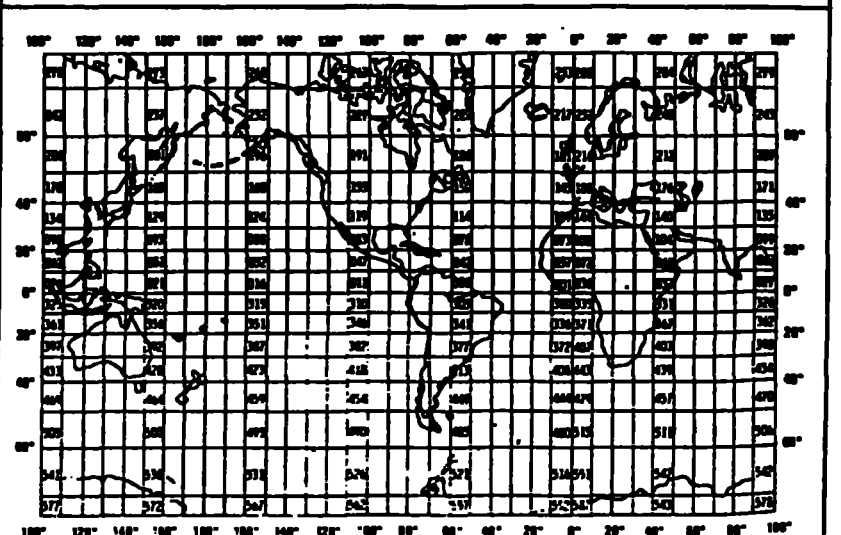
6. PLATFORM AND OPERATOR NATIONALITY(IES) DATES

PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR
BUOY	USA		

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.
SISW2, SJLF2, SRST2, STOM4, TTIN2, WPOW2
 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

C. DATA FORMAT

#295/8-12-87

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

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

[Empty box for file organization description]

3. ATTRIBUTES AS EXPRESSED IN PL-1 ALGOL COROL
 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 <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>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI _____</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4080</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

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. Mb, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
DESCRIPTIVE HEADER RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr., Mo., Day of file generation
RECORD TYPE	10	1		A1	"1" Descriptive header record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
LATITUDE	27	6		3I2	Degrees, Minutes, Seconds
LAT. HEMISPHERE	33	1		A1	"N" or "S" Hemisphere
LONGITUDE	34	7		I3, 2I2	Degrees, Minutes, Seconds
LON. HEMISPHERE	41	1		A1	"E" or "W" Hemisphere
BOTTOM DEPTH	42	5		I5	Meters to tenths
MAGNETIC VARIATION	47	4		I4	Whole degrees from true north (signed value)
BUOY HEADING*	51	3		I3	Whole degrees from true north
WAVE SAMPLING RATE*	54	4		I4	Original measurements per minute to tenths
WAVE SAMPLING DURATION*	58	4		I4	Minutes to hundredths
WAVE TOTAL INTERVALS*	62	3		I3	Number of frequency intervals
CHIEF SCIENTIST	65	20		A20	(optional)
INSTITUTION	85	20		A20	Data source
WIND SAMPLING DURATION	105	3		I3	Minutes to tenths
COMMENTS	108	13		A13	
*for buoy data only					
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 450!)
VISIBILITY	52	3..		I3	Nautical miles, to tenths

File Type "191"

RECORD NAME

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. Mm, Dm, etc.)	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 SEA SURFACE	77	3		13	Meters to tenths, from reference level
TEMPERATURE SEA SURFACE	80	4		14	Temperature Celsius to hundredths
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
MAXIMUM WAVE HEIGHT	97	3		13	Meters to tenths
MAXIMUM 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					
WIND GUST	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	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		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. 0m, 0.2m)	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	4		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

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

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. Btm. Bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
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 <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	I2	Where subscripts are defined as follows: 1. Heave 2. E-W Slope 3. N-S Slope If the exponent is less than -9 the exponent and its associated spectra should be zero
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	
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	

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	15. LENGTH		17. ATTRIBUTES	16. USE AND MEANING
		NUMERIC	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)
FLANKS	111	10	Bytes	10X	Flanks

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

PRINT TO BE USED AND FUNCTION TO BE PERFORMED

SUBMITTED
- 87-57

Copy to "u" tape and scan output.

Library # DC 233

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

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
A20150		9	1600	odd	NL	FB	120	4080	1
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
W14206		9	1600	odd	NL	FB	120	4080	1
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			

SPECIAL INSTRUCTIONS Procedure BR 3404 13 with 5844 Data	ESTIMATED EXECUTION TIME
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USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIF
4/8/31/87	19:35	11:24	C	COMPLETED BY J.S.

10828280
ITS

Feb. 85
207 2

MEANT TO BE USED AND FUNCTION TO BE PERFORMED

Min

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

70 DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#	
INPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#	
	<i>ADD149</i>		<i>9</i>	<i>1600</i>	<i>odd</i>	<i>N/L</i>	<i>FB</i>	<i>120</i>	<i>4080</i>	<i>1</i>	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				
OUTPUT	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				

GENERAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
----------------------	--------------------------------

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>08/13/87</i>	<i>08:50</i>	<i>08:55</i>	<i>C</i>	<i>COMPLETED BY J.S.</i>

*F191
Feb. 85
1072*

TO BE USED AND FUNCTION TO BE PERFORMED

Plan

INPUT MEDIUM PER 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	#
INPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#
	A00150		9	1600	odd	NL	FB	120	4080	1
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	#

AL INSTRUCTIONS	ESTIMATED EXECUTION TIME
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USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI DISKETTES-USED, CARDS PUNCHED, CARDS KEYVERIF
08/13/87	09:00	09:10	C	COMPLETED BY J.S.

F191
Feb. 85
2072

Copy to 'H' tape and scan output.

INPUT MEDIUM PAPER CARD DISK TAPE SKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
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TAPE/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			
ADD149		9	1600	odd	NL	FB	720	4080
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME			
W12195		9	1600	odd	NL	FB	120	4080
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME			

ADDITIONAL INSTRUCTIONS

Procedure BRBUOY: A

ESTIMATED
EXECUTION
TIME

Mitch 3136: Dat

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRI DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIF
CBZ 8/14/87	9:25	12:30		Scanned on MTA &

Feb. 85
1061

Green, et al

8-14-87

FUNCTION TO BE USED AND FUNCTION TO BE PERFORMED

copy to 'W' tape and scan output

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

TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
A00150		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	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	
W12892		9	1600	odd	NL	FB	120	4080	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			

ADDITIONAL INSTRUCTIONS

Procedure BR BU 04 - 6

ESTIMATED EXECUTION TIME

Match 5844 Dat

USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
08/17/87	10:00	11:25	C	COMPLETED BY J.S.

R191
Feb. 85
2072



71-2110-1287
U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Data Buoy Center
NSTL, Mississippi 39529

August 4, 1987

F360
DB3:87-0286
SPN:nm

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

Dear Ms. Green:

Enclosed is a rerun of the February 1985 archive data. This rerun corrects all known problems. Please replace the data currently in your files with these data, and previously received tapes.

If you have any questions, contact B. G. Redmon at FTS 494-2834.

Sincerely,

Sallie P. Nolan

Sallie P. Nolan
ADP Manager

Enclosures



Tape 1

41002 02018500-02288523
41006 02018500-02288523
42001 02018500-02288523
42002 02018500-02288523
42003 02018500-02288523
42007 02018500-02288523
44004 02018500-02288523
44005 02018500-02288523
44007 02018500-02288523
44008 02018500-02288523
44009 02018500-02288523
44011 02268514-02288523
44012 02178510-02288523
44013 02018500-02288523
46001 02018500-02288523
46002 02018500-02288523
46003 02018500-02288523
46004 02098520-02288523
46005 02018500-02288523
46006 02018500-02288523
46010 02018500-02288523
46011 02018500-02288523
46012 02018500-02288523
46013 02018500-02288523
46014 02018500-02288523
46016 02018506-02288523
46017 02018500-02288523
46018 02018500-02288523
46022 02018500-02288523
46023 02018500-02288523
46024 02018500-02288523
46025 02018500-02288523
46026 02158520-02288523
46028 02018500-02038515
46029 02018500-02288523
46030 02018500-02288523
46031 02018500-02288523
46032 02018500-02288523
46033 02278503-02288523
46034 02228522-02288522

Tape 2

51001 02018500-02288523
51002 02018500-02288523
51003 02018500-02288523
51004 02018500-02288523
ALRF1 02018500-02288523
ALSN6 02018500-02288523
BURL1 02018500-02288523

CAR03	02018500-02288523
CHLV2	02018500-02288523
CLKN7	02018500-02288523
CSBF1	02018500-02288523
DBLN6	02018500-02288520
DESW1	02018500-02288523
DISW3	02018500-02288523
DSLN7	02018500-02288523
FBIS1	02018500-02288523
FFIA2	02018500-02288523
FPSN7	02018500-02288523
GDIL1	02018500-02288523
GLLN6	02018500-02288523
IOSN3	02018500-02288523
LKWF1	02018500-02288523
MDRM1	02018500-02288523
MISM1	02018500-02288523
NWPO3	02018500-02288523
PILM4	02018500-02018507
PTAC1	02018500-02288523
PTAT2	02018500-02288523
PTGC1	02018500-02288523
SBI01	02018500-02288523
SGNW3	02018500-02288523
SISW1	02018500-02288523
SJLF1	02018500-02288523
SRST2	02018500-02288523
STDM4	02018500-02288523
TTIW1	02018500-02288523
WPOW1	02018500-02288523

ACCESSION NO. 8600038

FILETYPE F191

TRACK NO. BR5844-5880

PROJECT IDENTIFICATION T06A

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	8-31-87	<u>De</u>	A00150	1	120	4080	
DUPLICATE TAPE	8-31-87	<u>De</u>	W14206*	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*

75,680 records

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

ACCESSION NO. 8600038

FILETYPE F191

TRACK NO. BR3136-3175

PROJECT IDENTIFICATION T06A

Formatted 08/31/87

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	8-17-87	Ⓚ	A00149	1	120	4080	
DUPLICATE TAPE	8-17-87	Ⓚ	W12195*	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* *214,272 records*

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

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

DS880P

TO: E/OC12 - C. Noe
E/OC11 - P. Hadsell
FROM: E/OC13 - A. Picciolo FJM
DATE: August 19, 1987
SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

DATA INVENTORY AND ARCHIVES BRANCH (E/OC11)

C/STD (F022/C022)

Acc: 8700017 Ref: TT8185-9 [319709-13] 215 stations
10,557 records
OPTOMA US Naval Postgrad. School

Acc: 8600335 Ref: TT8527 [319687] 103 stations 1,030 records
ALPHA HELIX Univ. of Alaska

✓ WIND/WAVE SPECTRA (F191) ✓

Acc: 8600038 Ref: BR3136-75; BR58~~22~~⁴⁴-5880
February 1985 resubmission 77 stations 289,952 records

ACCESSION NO. 8600038

FILETYPE F191

TRACK NO. BR5844-5880

PROJECT IDENTIFICATION 706A

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-17-87	(95)	A00150	1	120	4080	
DUPLICATE TAPE	8-17-87	(99)	W198892*	1	120	4080	
REFORMATTED TAPE			damaged, can't read				
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. 8600038

FILETYPE F191

TRACK NO. BR5844-5880

PROJECT IDENTIFICATION 706A

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRCL	BLK SIZE	NO. RECORDS
ORIG. TAPE	5-17-87	(S)	A00150	1	120	4080	
DUPLICATE TAPE	8-17-87	(S)	W92892*	1	120	4080	
REFORMATTED TAPE			tape damaged				
REFORMATTED DISK			can't read				
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.)

TO: E/OC12 - C. Noe
E/OC11 - P. Hadsell
FROM: E/OC13 - A. Picciolo *FJM*
DATE: August 19, 1987
SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

DATA INVENTORY AND ARCHIVES BRANCH (E/OC11)

C/STD (F022/C022)

Acc: 8700017 Ref: TT8185-9 [319709-13] 215 stations
10,557 records
OPTOMA US Naval Postgrad. School

Acc: 8600335 Ref: TT8527 [319687] 103 stations 1,030 records
ALPHA HELIX Univ. of Alaska

✓ WIND/WAVE SPECTRA (F191) ✓

Acc: 8600038 Ref: BR3136-75; BR58~~32~~⁴⁴-5880 - *tape OK* - *tape damaged*

214,272 records February 1985 resubmission 77 stations 289,952 records

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600038	BR3136	F191		313B	317F	41002	02/01/85	02/28/85	1	1,830
8600038	BR3137	F191		313B	317F	41006	02/01/85	02/28/85	1	8,044
8600038	BR3138	F191		313B	317F	42001	02/01/85	02/28/85	1	6,686
8600038	BR3139	F191		313B	317F	42002	02/01/85	02/28/85	1	6,678
8600038	BR3140	F191		313B	317F	42003	02/01/85	02/28/85	1	6,700
8600038	BR3141	F191		313B	317F	42007	02/01/85	02/28/85	1	5,634
8600038	BR3142	F191		313B	317F	44004	02/01/85	02/28/85	1	6,386
8600038	BR3143	F191		313B	317F	44005	02/01/85	02/28/85	1	7,868
8600038	BR3144	F191		313B	317F	44007	02/01/85	02/28/85	1	5,980
8600038	BR3145	F191		313B	317F	44008	02/01/85	02/28/85	1	1,162
8600038	BR3146	F191		313B	317F	44009	02/01/85	02/28/85	1	1,322
8600038	BR3147	F191		313B	317F	44011	02/26/85	02/28/85	1	676
8600038	BR3148	F191		313B	317F	44012	02/17/85	02/28/85	1	556
8600038	BR3149	F191		313B	317F	44013	02/01/85	02/28/85	1	1,344
8600038	BR3150	F191		313B	317F	46001	02/01/85	02/28/85	1	8,012
8600038	BR3151	F191		313B	317F	46002	02/01/85	02/28/85	1	8,054
8600038	BR3152	F191		313B	317F	46003	02/01/85	02/28/85	1	8,032
8600038	BR3153	F191		313B	317F	46004	02/09/85	02/28/85	1	5,490
8600038	BR3154	F191		313B	317F	46005	02/01/85	02/28/85	1	1,342
8600038	BR3155	F191		313B	317F	46006	02/01/85	02/28/85	1	6,696
8600038	BR3156	F191		313B	317F	46010	02/01/85	02/28/85	1	6,566
8600038	BR3157	F191		313B	317F	46011	02/01/85	02/28/85	1	6,702
8600038	BR3158	F191		313B	317F	46012	02/01/85	02/28/85	1	6,656
8600038	BR3159	F191		313B	317F	46013	02/01/85	02/28/85	1	7,968
8600038	BR3160	F191		313B	317F	46014	02/01/85	02/28/85	1	6,662
8600038	BR3161	F191		313B	317F	46016	02/01/85	02/28/85	1	442
8600038	BR3162	F191		313B	317F	46017	02/01/85	02/28/85	1	446
8600038	BR3163	F191		313B	317F	46018	02/01/85	02/28/85	1	418
8600038	BR3164	F191		313B	317F	46022	02/01/85	02/28/85	1	6,702
8600038	BR3165	F191		313B	317F	46023	02/01/85	02/28/85	1	6,702
8600038	BR3166	F191		313B	317F	46024	02/01/85	02/28/85	1	44,939
8600038	BR3167	F191		313B	317F	46025	02/01/85	02/28/85	1	8,032
8600038	BR3168	F191		313B	317F	46026	02/15/85	02/28/85	1	3,144
8600038	BR3169	F191		313B	317F	46028	02/01/85	02/03/85	1	44
8600038	BR3170	F191		313B	317F	46029	02/01/85	02/28/85	1	8,030
8600038	BR3171	F191		313B	317F	46030	02/01/85	02/28/85	1	1,342
8600038	BR3172	F191		313B	317F	46031	02/01/85	02/28/85	1	448
8600038	BR3173	F191		313B	317F	46032	02/01/85	02/28/85	1	392
8600038	BR3174	F191		313B	317F	46033	02/27/85	02/28/85	1	30
8600038	BR3175	F191		313B	317F	46034	02/22/85	02/28/85	1	115
8600038	BR5844	F191		313B	317F	51001	02/01/85	02/28/85	1	8,014
8600038	BR5845	F191		313B	317F	51002	02/01/85	02/28/85	1	7,968
8600038	BR5846	F191		313B	317F	51003	02/01/85	02/28/85	1	8,012
8600038	BR5847	F191		313B	317F	51004	02/01/85	02/28/85	1	4,978
8600038	BR5848	F191		313B	317F	ALRF 1	02/01/85	02/28/85	1	1,344
8600038	BR5849	F191		313B	317F	ALSN6	02/01/85	02/28/85	1	1,338
8600038	BR5850	F191		313B	317F	BURL 1	02/01/85	02/28/85	1	1,342
8600038	BR5851	F191		313B	317F	CARD3	02/01/85	02/28/85	1	1,340
8600038	BR5852	F191		313B	317F	CHLV2	02/01/85	02/28/85	1	6,476
8600038	BR5853	F191		313B	317F	CLKN7	02/01/85	02/28/85	1	1,340
8600038	BR5854	F191		313B	317F	CSBF 1	02/01/85	02/28/85	1	1,340

00038	BR5855	F191	313B	317F	DBLN6	02/01/85	02/28/85	1	910
00038	BR5856	F191	313B	317F	DESW1	02/01/85	02/28/85	1	1,340
8600038	BR5857	F191	313B	317F	DISW3	02/01/85	02/28/85	1	1,340
8600038	BR5858	F191	313B	317F	DSLW7	02/01/85	02/28/85	1	1,338
8600038	BR5859	F191	313B	317F	FBIS1	02/01/85	02/28/85	1	1,336
8600038	BR5860	F191	313B	317F	FFIA2	02/01/85	02/28/85	1	1,340
8600038	BR5861	F191	313B	317F	FPSN7	02/01/85	02/28/85	1	1,326
8600038	BR5862	F191	313B	317F	GDIL1	02/01/85	02/28/85	1	1,340
8600038	BR5863	F191	313B	317F	GLLN6	02/01/85	02/28/85	1	1,338
8600038	BR5864	F191	313B	317F	IOSN3	02/01/85	02/28/85	1	1,340
8600038	BR5865	F191	313B	317F	LKWF1	02/01/85	02/28/85	1	1,342
8600038	BR5866	F191	313B	317F	MDRM1	02/01/85	02/28/85	1	1,342
8600038	BR5867	F191	313B	317F	MISM1	02/01/85	02/28/85	1	1,332
8600038	BR5868	F191	313B	317F	NWPD3	02/01/85	02/28/85	1	1,296
8600038	BR5869	F191	313B	317F	PILM4	02/01/85	02/01/85	1	16
8600038	BR5870	F191	313B	317F	PTAC1	02/01/85	02/28/85	1	1,338
8600038	BR5871	F191	313B	317F	PTAT2	02/01/85	02/28/85	1	1,338
8600038	BR5872	F191	313B	317F	PTGC1	02/01/85	02/28/85	1	1,340
8600038	BR5873	F191	313B	317F	SBI01	02/01/85	02/28/85	1	1,326
8600038	BR5874	F191	313B	317F	SGNW3	02/01/85	02/28/85	1	1,340
8600038	BR5875	F191	313B	317F	SISW1	02/01/85	02/28/85	1	1,326
8600038	BR5876	F191	313B	317F	SJLF1	02/01/85	02/28/85	1	1,342
8600038	BR5877	F191	313B	317F	SRST2	02/01/85	02/28/85	1	1,338
8600038	BR5878	F191	313B	317F	STDMA	02/01/85	02/28/85	1	1,330
8600038	BR5879	F191	313B	317F	TTIW1	02/01/85	02/28/85	1	1,342
00038	BR5880	F191	313B	317F	WPOW1	02/01/85	02/28/85	1	550

=====

Password:

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
8600038	F291	BR3136	9999	313B	317F	1985/02/01	41002	159143
8600038	F291	BR3137	9999	313B	317F	1985/02/01	41006	159144
8600038	F291	BR3138	9999	313B	317F	1985/02/01	42001	159145
8600038	F291	BR3139	9999	313B	317F	1985/02/01	42002	159146
8600038	F291	BR3140	9999	313B	317F	1985/02/01	42003	159147
8600038	F291	BR3141	9999	313B	317F	1985/02/01	42007	159148
8600038	F291	BR3142	9999	313B	317F	1985/02/01	44004	159149
8600038	F291	BR3143	9999	313B	317F	1985/02/01	44005	159150
8600038	F291	BR3144	9999	313B	317F	1985/02/01	44007	159151
8600038	F291	BR3145	9999	313B	317F	1985/02/01	44008	159152
8600038	F291	BR3146	9999	313B	317F	1985/02/01	44009	159153
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8600038	F291	BR5878	9999	313B	317F	1985/02/01	STDN4	159217
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8600038	F291	BR3141	317F	1	5634	85/02/01	85/02/01
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