Reference # | BR4089—4106 | ACCESSION NUMBER | 8600105

Feb. 86

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

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

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

TCFA

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	02/01/86	02/28/86

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR___ MONTH___

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

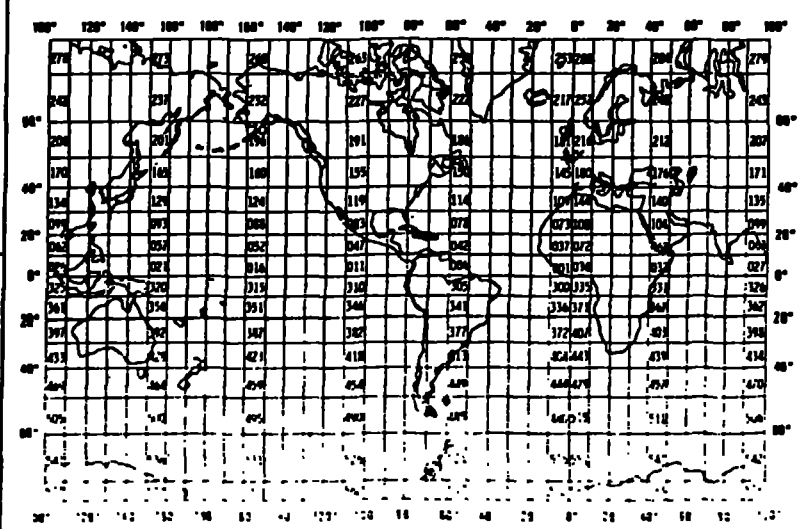
☒ NO ☐ YES ☐ PART *(SPECIFY BELOW)*

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

Sallie P. Nolan
FTS-494-1721

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

GENERAL AREA



Reference # | BR4107-4131 | ACCESSION NUMBER | 8600105

February 1986

DATA DOCUMENTATION FORM

F191

NOAA FORM 24-13 (4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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WASHINGTON, DC 20235

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EXPIRES 1-81

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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.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
—	BUOY	BUOY	USA	02/01/86	02/28/86

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR___ MONTH___

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

☒ NO ☐ YES ☐ PART *(SPECIFY BELOW)*

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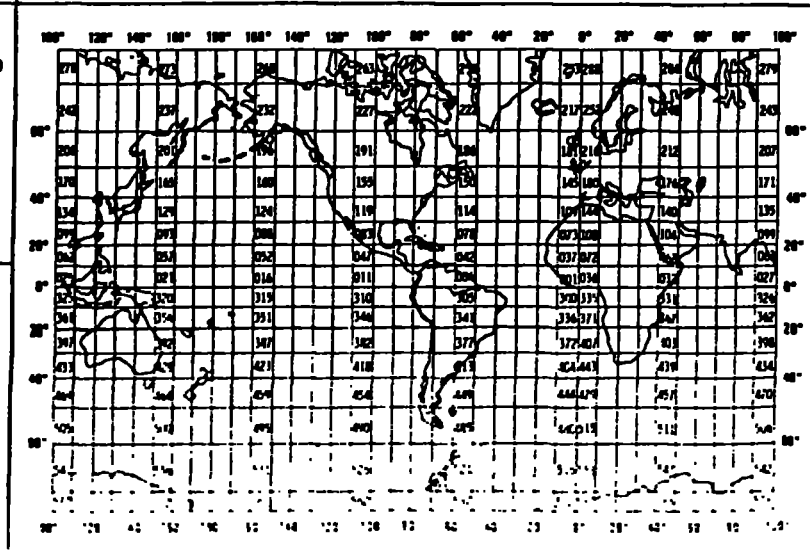
Sallie P. Nolan,
FTS-494-1721

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

GENERAL AREA



Reference # | BR4142-4178 | ACCESSION NUMBER | 8600105

January 1986

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.)

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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.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
—	Buoy	Buoy	USA	02/01/86	02/28/86

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

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

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

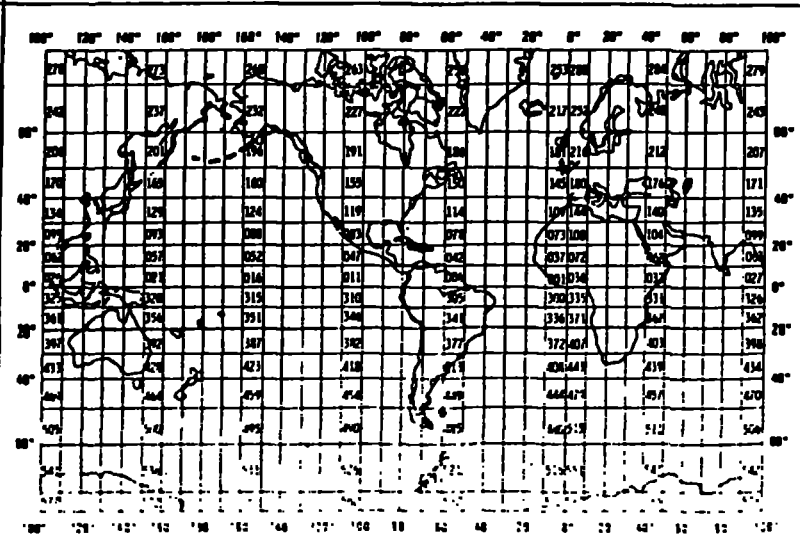
☒ NO ☐ YES ☐ PART *(SPECIFY BELOW)*

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

Sallie P. Nolan
FTS-494-1721

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

GENERAL AREA



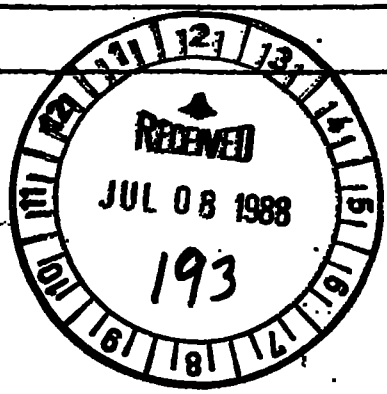
C. DATA FORMAT

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

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

Record type "1" (position 10) is Descriptive. The file, platform location, sampling and originator are described.
Record type "2" is Environmental Data. File keys are included along with meteorology and wave conditions.
Record type "3" is Wave Spectra Data.
Record type "4" is Subsurface Temperature Data.
Record type "5" is other Subsurface Data.
Record type "6" is Co and Quad Spectra for Directional Waves.
Record type "7" is Angular Fourier Coefficients for Directional Waves.
Record type "8" is Directional Wave Data.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION



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 FORMAT DESCRIPTION

RECORD NAME File Type "191"

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

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
WAVE SPECTRA DATA RECORD (cont'd)					
COUNT	34	1		I1	Number of frequencies on this record
DATA	35	70		5(2I4,I6)	Up to 5 Frequency, Resolution, Density fields. Null fields blank
Frequency	35, 49, 63 77, 91	4		I4	Center frequency of interval in Hertz to thousandths
Resolution	39, 53, 67 81, 95	4		I4	Resolution of interval in Hertz to ten-thousandths
Density	43, 57, 71 85, 99	6		I6	Spectral Density of interval in m^2/Hz to thousandths
BLANKS	105	16		16X	Fill the fixed length record
SUBSURFACE TEMPERATURE DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1		A1	"4" (Subsurface Temperature Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
DATA	27	90		I0(I5,I4)	Up to 10 Depth and temperature fields
Depth	27, 36, 45 54, 63, 72 81, 90, 99 108	5		I5	Obs. level, meters to tenths
Temperature	32, 41, 50 59, 68, 77 86, 95,104 113	4		I4	Degrees Celsius to hundredths (include Sea Surface Temperature
BLANKS	117	4		4X	Fill the fixed length record
SUBSURFACE DATA RECORD					
FILE TYPE	1	3		A3	"191" (constant)
FILE DATE	4	6		3I2	Yr.,Mo.,Day of file generation
RECORD TYPE	10	1		A1	"5" (Subsurface Data Record)
STATION	11	6		A6	Unique name of observation point
OBSERVED DATE	17	6		3I2	Year, Month, Day (GMT)
OBSERVED TIME	23	4		2I2	Hours, Minutes (GMT)
DATA	27	90		3(I5,I5,I5 I5,I5,I5)	Up to 3 Depth, U Component, V Component, Pressure, Conductivity, Salinity fields
Depth	27, 57, 87	5		I5	Obs. Level, meters to tenths

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g. bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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	Milliomhos/cm. to thousandths
Salinity	52, 82,112	5		I5	Parts per 1000 to thousandths
BLANKS	117	4		4X	Fill the fixed length record

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
CO AND QUAD SPECTRA FOR DIRECTIONAL WAVES					
FILE TYPE	1	3	Bytes	I3	Always "191"
BLANK	4	6	Bytes	6x	Blank - for use by NODC
RECORD TYPE	10	1	Bytes	A1	Always "6"
STATION NUMBER	11	6	Bytes	A6	Unique name of observation point
OBSERVED DATE	17	6	Bytes	3I2	Year, month, day (GMT)
OBSERVED TIME	23	4	Bytes	2I2	Hours, minutes (GMT)
FREQUENCY	27	4	Bytes	I4	Center frequency of interval in Hz to .001
SPECTRAL RESOLUTION	31	5	Bytes	I5	Spectral resolution of this frequency band in Hz to ten thousandths
CO-SPECTRA C_{11}	36	6	Bytes	Signed Integers I6	Up to 9 uncorrected values of Co and Quad spectra in meters squared/Hz. The order these spectra are presented is: C_{11}, C_{22}, C_{33}, C_{12}, Q_{12}, C_{13}, Q_{13}, C_{23}, and Q_{23}
EXPONENT	42	2	Bytes	I2	Where subscripts are defined as follows:
CO-SPECTRA C_{22}	44	6	Bytes	I6	1. Heave
EXPONENT	50	2	Bytes	I2	2. E-W Slope
CO-SPECTRA C_{33}	52	6	Bytes	I6	3. N-S Slope
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
QUAD-SPECTRA Q_{12}	68	6	Bytes	I6	the exponent and its associated
EXPONENT	74	2	Bytes	I2	spectra should be zero
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	

RECORD FORMAT DESCRIPTION

RECORD NAME File Type "191"

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

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

NOTE: DIRECTIONAL WAVE SPECTRA = S(F,A)*D(F,A), in which F = FREQ(HZ), A = Azimuth Angle measured clockwise from North to direction wave is from. D(F,A) = (1/PI)*((1/2)+R1*COS(A-A1)+R2*COS(2*(A-A2))), in which R1 and R2 are dimensionless and A1 and A2 are respectively mean and principal wave directions. In terms of Longuet-Higgins Fourier Coefficients, R1 = (SQRT(A1*A1+B1*B1))/A0, R2 = (SQRT(A2*A2+B2*B2))/A0, A1 = ARCTAN(B1,A1), A2 = (1/2)ARCTAN(B2,A2) + 0 or PI. C11S(M*M/HZ) = (C22+C33)/(K*K) in which K, the propagation constant, is the solution to W*W = G*K*TANH(K*D), in which W = 2*PI*F, G = 9.806 M/(SEC*SEC), and D is mean water depth in meters.

8600105

TO: E/OC12 - C. Noe

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

DATE: July 29, 1988

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVE AND INVENTORIES BRANCH (E/OC11)

------- Level II --------

Wind/Wave Spectra (F191)

Acc: 8600105 Ref: BR4089 - BR4131 80 sta. 312,868 records

February 1986 - resubmission NOAA-NDBC

Acc: 8800185 Ref: BR6937 - BR7030 94 sta. 560,490 records

May 1988 NOAA-NDBC

cc: Division Director

,CESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600105	BR4089	F191		313B	317F	32301	02/21/86	02/28/86	1	1,882
8600105	BR4090	F191		313B	317F	32302	02/01/86	02/28/86	1	6,702
8600105	BR4091	F191		313B	317F	41001	02/01/86	02/28/86	1	1,342
8600105	BR4092	F191		313B	317F	41004	02/01/86	02/28/86	1	12,758
8600105	BR4093	F191		313B	317F	41006	02/01/86	02/28/86	1	8,016
8600105	BR4094	F191		313B	317F	41007	02/01/86	02/28/86	1	13,264
8600105	BR4095	F191		313B	317F	42001	02/01/86	02/28/86	1	6,652
8600105	BR4096	F191		313B	317F	42002	02/01/86	02/28/86	1	6,676
8600105	BR4097	F191		313B	317F	42003	02/01/86	02/28/86	1	6,632
8600105	BR4098	F191		313B	317F	42007	02/19/86	02/28/86	1	2,196
8600105	BR4099	F191		313B	317F	44004	02/01/86	02/28/86	1	8,012
8600105	BR4100	F191		313B	317F	44005	02/01/86	02/28/86	1	7,880
8600105	BR4101	F191		313B	317F	44007	02/01/86	02/28/86	1	6,504
8600105	BR4102	F191		313B	317F	44008	02/14/86	02/28/86	1	3,444
8600105	BR4103	F191		313B	317F	44011	02/01/86	02/24/86	1	6,734
8600105	BR4104	F191		313B	317F	44012	02/01/86	02/28/86	1	1,320
8600105	BR4105	F191		313B	317F	44013	02/01/86	02/28/86	1	1,342
8600105	BR4106	F191		313B	317F	45001	02/01/86	02/28/86	1	3,536
8600105	BR4107	F191		313B	317F	46001	02/01/86	02/28/86	1	7,912
8600105	BR4108	F191		313B	317F	46002	02/01/86	02/28/86	1	8,018
?600105	BR4109	F191		313B	317F	46003	02/01/86	02/28/86	1	7,988
00105	BR4110	F191		313B	317F	46004	02/01/86	02/28/86	1	7,908
₃00105	BR4111	F191		313B	317F	46005	02/08/86	02/28/86	1	5,818
8600105	BR4112	F191		313B	317F	46006	02/01/86	02/27/86	1	7,526
8600105	BR4113	F191		313B	317F	46011	02/01/86	02/28/86	1	6,648
8600105	BR4114	F191		313B	317F	46012	02/01/86	02/28/86	1	6,598
8600105	BR4115	F191		313B	317F	46014	02/01/86	02/28/86	1	6,652
8600105	BR4116	F191		313B	317F	46016	02/01/86	02/28/86	1	384
8600105	BR4117	F191		313B	317F	46017	02/01/86	02/28/86	1	428
8600105	BR4118	F191		313B	317F	46022	02/01/86	02/28/86	1	7,952
8600105	BR4119	F191		313B	317F	46023	02/01/86	02/28/86	1	6,552
8600105	BR4120	F191		313B	317F	46025	02/01/86	02/28/86	1	6,662
8600105	BR4121	F191		313B	317F	46026	02/01/86	02/28/86	1	6,420
8600105	BR4122	F191		313B	317F	46027	02/01/86	02/28/86	1	6,656
8600105	BR4123	F191		313B	317F	46028	02/01/86	02/28/86	1	7,890
8600105	BR4124	F191		313B	317F	46029	02/01/86	02/28/86	1	5,256
8600105	BR4125	F191		313B	317F	46030	02/01/86	02/28/86	1	1,332
8600105	BR4126	F191		313B	317F	46035	02/01/86	02/28/86	1	6,666
8600105	BR4127	F191		313B	317F	51001	02/01/86	02/28/86	1	8,000
8600105	BR4128	F191		313B	317F	51002	02/01/86	02/28/86	1	8,018
8600105	BR4129	F191		313B	317F	51003	02/01/86	02/28/86	1	8,018
8600105	BR4130	F191		313B	317F	51004	02/01/86	02/28/86	1	7,994
8600105	BR4131	F191		313B	317F	51005	02/01/86	02/28/86	1	6,674
8600105	BR4142	F191		313B	317F	ALRF1	02/01/86	02/28/86	1	1,330
8600105	BR4143	F191		313B	317F	ALSN6	02/01/86	02/28/86	1	1,340
8600105	BR4144	F191		313B	317F	BURL1	02/01/86	02/28/86	1	1,330
?600105	BR4145	F191		313B	317F	BUZM3	02/01/86	02/28/86	1	1,342
00105	BR4146	F191		313B	317F	CARO3	02/01/86	02/28/86	1	1,336
₃00105	BR4147	F191		313B	317F	CHLV2	02/01/86	02/28/86	1	1,342
8600105	BR4148	F191		313B	317F	CLKN7	02/01/86	02/28/86	1	1,338
8600105	BR4149	F191		313B	317F	CSBF1	02/01/86	02/28/86	1	1,330

8600105	BR4150	F191	313B	317F	DBLN6	02/01/86	02/28/86	1	1,306
00105	BR4151	F191	313B	317F	DESW1	02/01/86	02/28/86	1	1,338
00105	BR4152	F191	313B	317F	DISW3	02/01/86	02/28/86	1	1,340
8600105	BR4153	F191	313B	317F	DSLN7	02/01/86	02/28/86	1	2,652
8600105	BR4154	F191	313B	317F	FBIS1	02/01/86	02/28/86	1	1,334
8600105	BR4155	F191	313B	317F	FFIA2	02/01/86	02/28/86	1	1,328
8600105	BR4156	F191	313B	317F	FPSN7	02/01/86	02/27/86	1	828
8600105	BR4157	F191	313B	317F	GDIL1	02/01/86	02/28/86	1	1,312
8600105	BR4158	F191	313B	317F	GLLN6	02/01/86	02/28/86	1	1,336
8600105	BR4159	F191	313B	317F	IOSN3	02/01/86	02/28/86	1	1,340
8600105	BR4160	F191	313B	317F	LKWF1	02/01/86	02/28/86	1	990
8600105	BR4161	F191	313B	317F	MDRM1	02/01/86	02/28/86	1	1,288
8600105	BR4162	F191	313B	317F	MISM1	02/01/86	02/28/86	1	1,334
8600105	BR4163	F191	313B	317F	NWPO3	02/01/86	02/28/86	1	1,330
8600105	BR4164	F191	313B	317F	PILM4	02/01/86	02/28/86	1	1,320
8600105	BR4165	F191	313B	317F	PTAC1	02/01/86	02/28/86	1	1,336
8600105	BR4166	F191	313B	317F	PTAT2	02/01/86	02/28/86	1	1,332
8600105	BR4167	F191	313B	317F	PTGC1	02/01/86	02/28/86	1	1,300
8600105	BR4168	F191	313B	317F	SBIO1	02/01/86	02/28/86	1	1,290
8600105	BR4169	F191	313B	317F	SGNW3	02/01/86	02/28/86	1	1,336
8600105	BR4170	F191	313B	317F	SISW1	02/01/86	02/28/86	1	1,332
8600105	BR4171	F191	313B	317F	SJLF1	02/01/86	02/28/86	1	1,334
8600105	BR4172	F191	313B	317F	SPGF1	02/13/86	02/28/86	1	716
8600105	BR4173	F191	313B	317F	SRST2	02/01/86	02/28/86	1	1,318
8600105	BR4174	F191	313B	317F	STDM4	02/01/86	02/28/86	1	1,314
8600105	BR4175	F191	313B	317F	SVLS1	02/01/86	02/28/86	1	1,336
00105	BR4176	F191	313B	317F	TPLM2	02/20/86	02/28/86	1	392
00105	BR4177	F191	313B	317F	TTIW1	02/01/86	02/28/86	1	1,334
8600105	BR4178	F191	313B	317F	WPOW1	02/01/86	02/28/86	1	1,342

ACCESSION NO. 8600105 FILETYPE FT191 TRACK NO. BR4089-4106 PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO RECO
ORIG. TAPE	9-15-88	[illegible]	A00192	1	120	4080	
DUPLICATE TAPE	9-15-88	[illegible]	W00322*	1	120	4800	
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.)

D191 P

ACCESSION NO. 8600105 FILETYPE FT191 TRACK NO. BR4107-4131 PROJECT IDENTIFICATION TOGA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO RECO
ORIG. TAPE	7-15-88	[illegible]	A00195	1	120	4080	
DUPLICATE TAPE	7-15-88	[illegible]	W05747*	1	120	4800	
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. 8600105 FILETYPE FT19L TRACK NO BR4142-4178 PROJECT IDENTIFICATION 706A

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO RECO
ORIG. TAPE	7-15-88		A00196	1	120	4080	
DUPLICATE TAPE	7-15-88		W05981*	1	120	4800	
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.)

BR4142.

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

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

June 29, 1988

F1804-02
DB3:88-0327
SPN:bfh

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 1986 NDBC archive data. This rerun corrects all known problems with this data. This also completes the effort of correcting the NDBC data in the archives. However, in reviewing our rerun efforts, we have discovered the following discrepancies in the data previously reprocessed and archived:

Station 44005 -- The bottom depth should be 166.4 meters from March 1986 through July 1986. It was incorrectly archived as 194.5 meters.

Station 46003 -- The bottom depth should be 4709.2 meters from March 1986 through December 1986. It was incorrectly archived as 4708.2 for March and 4708.9 for April through December.

Station CHLV2 -- The bottom depth should be 11.6 meters from March 1986 through April 1987. It was incorrectly archived as 00.0 for this period.

Station 46035 -- The altitude of the anemometer should be 11.7 meters from March 1986 through June 1987. It was incorrectly archived as 10.4 meters.

Station 46027
Station 46029 -- The Wind Sample Duration should be eight minutes for March 1986. It was incorrectly archived as two minutes.

We request that these discrepancies be corrected in your archives, if possible. If you need more information or would like to discuss this, please contact me at FTS 494-1721 or Bobby Redmon at FTS 494-2834. We would like to apologize for the considerable inconvenience our archive problems have caused you, but are now pleased to say that this large rerun effort is complete.

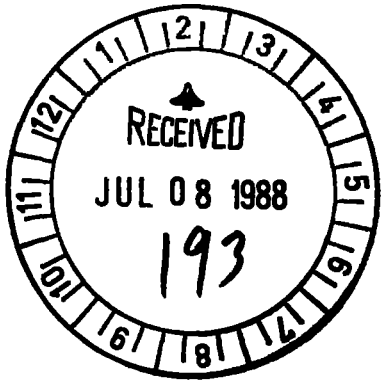
Sincerely,

Sallie P. Nolan

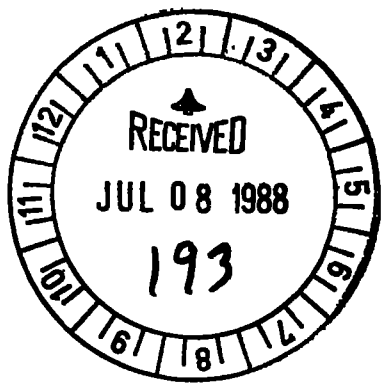
Sallie P. Nolan
ADP Manager

Enclosure

	32301	02218603-02288623
	32302	02018600-02288823
	41001	02018600-00228623
	41004	02018622-02288623
Tape 1	41006	02018600-02288623
	41007	02018600-02288623
	42001	02018600-02288623
	42002	02018600-02288623
	42003	02018600-02288623
	42007	02198618-02288623
	44004	02018600-02288623
	44005	02018600-02288623
	44007	02018600-02288623
	44008	02148614-02288623
	44011	02018600-02248611
	44012	02018600-02288623
	44013	02018600-02288623
	45001	02018600-02288621
Tape 2	46001	02018600-02288623
	46002	02018600-02288623
	46003	02018600-02288623
	46004	02018600-02288623
	46005	02088613-02288623
	46006	02018600-02278607
	46011	02018600-02288623
	46012	02018600-02288623
	46014	02018600-02288623
	46016	02018600-02288623
	46017	02018600-02288623
	46022	02018600-02288623
	46023	02018600-02288623
	46025	02018600-02288623
	46026	02018600-02288623
	46027	02018600-02288623
	46028	02018600-02288623
	46029	02018600-02288623
	46030	02018600-02288623
	46035	02018600-02288623
	51001	02018600-02288623
	51002	02018600-02288623



	51003	02018600-02288623
	51004	02018600-02288623
	51005	02018600-02288623
Tape 3	ALRF1	02018600-02288623
	ALSN6	02018600-02288623
	BURL1	02018600-02288623
	BUZM3	02018600-02288623
	CARO3	02018600-02288623
	CHLV2	02018600-02288623
	CLKN7	02018600-02288623
	CSBF1	02018600-02288623
	DBLN6	02018600-02288623
	DESW1	02018600-02288623
	DISW3	02018600-02288623
	DSLN7	02018600-02288623
	FBIS1	02018600-02288623
	FFIA2	02018600-02288623
	FPSN7	02018600-02278621
	GDIL1	02018600-02288623
	GLLN6	02018600-02288623
	IOSN3	02018600-02288623
	LKWF1	02018600-02288623
	MDRM1	02018600-02288623
	MISM1	02018600-02288623
	NWPO3	02018600-02288623
	PILM4	02018600-02288623
	PTAC1	02018600-02288623
	PTAT2	02018600-02288623
	PTGC1	02018600-02288623
	SBIO1	02018600-02288623
	SGNW3	02018600-02288623
	SISW1	02018600-02288623
	SJLF1	02018600-02288623
	SPGF1	02138621-02288623
	SRST2	02018600-02288623
	STDM4	02018600-02288623
	SVLS1	02018600-02288623
	TPLM2	02018600-02288623
	TTIW1	02018600-02288623
	WPOW1	02018600-02288623



USER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
Grenald.			7-13-88		27

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Scan

INPUT MEDIUM
PAPER CARD DISK (TAPE)
DISKETTE OTHER(SPECIFY)

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00192		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
6900 7303	07/13/88	13:20	13:25	C	COMPLETED BY J.S.

COMMENTS

Feb. 1986
1083

Krumholz | | | SUBMITTED 7-13-88 | 27

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Scan

INPUT MEDIUM
PAPER CARD DISK (TAPE)
DISKETTE OTHER(SPECIFY)

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00195		9	1600	ODD	NL.	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
88013004	7/13/88	13:14	13:15	C	COMPLETED BY J.S.

COMMENTS

Feb. 1988

203

USER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
Greenidrich			7-13-88		27

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Scan

INPUT MEDIUM
PAPER CARD DISK (TAPE)
DISKETTE OTHER(SPECIFY)

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00196		9	1600	odd	NL.	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
88071305	07/13/88	13:00	13:05	C	COMPCETED BY J.S.

COMMENTS

Feb. 1988
5073

USER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
Green, Chris			7-13-88		27

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

copy to 'W' tape and scan output

INPUT MEDIUM
PAPER CARD DISK (TAPE)
DISKETTE OTHER(SPECIFY)

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00192		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	W60322		9	1600	odd	NL	FB	120	4800	1
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

Procedure BABUOY 20

Mitch 4089.Dat

ESTIMATED EXECUTION TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
88071308	7/14/88	07:34	09:25	C	COMPLETED BY J.S.

COMMENTS

Send to Asheville

Feb. 1986
1073

USER NAME	PHONE #	CARD/TASK #	DATE SUBMITTED	DATE DUE	JOB #
Grinnell			7-13-88		27

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Copy to 'W' tape and scan output

INPUT MEDIUM
PAPER CARD DISK (TAPE)
DISKETTE OTHER(SPECIFY)

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	A00195		9	1600	ODD	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
OUTPUT	W05747		9	1600	ODD	NL	FB	120	4800	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF ~~OTHER(SPECIFY)~~				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

Procedure BE BUOY 21

Mitch 4107.Dat

ESTIMATED EXECUTION TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
48071309	07/14/88	09:30	11:30	C	COMPLETED BY J.S

COMMENTS

Send to Asheville

Feb. 1986
2073

			SUBMITTED 7/14/88		

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

Copy the [illegible] and [illegible] output

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

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	A00196		9	1600	odd	NL	FB	120	4080	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (circled) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	~~W05981~~		9	~~1600~~	~~odd~~	~~NL~~	FB	120	4500	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (circled) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
Procedure BRBUOY 23 Mitil 4142. Dat	

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
480714.04	071588	1030	1110	C	COMPLETED by [illegible]

COMMENTS Send to Asheville

[illegible]

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8600105	F291	BR4089	9999	313B	317F	1986/02/21	32301	160638
8600105	F291	BR4090	9999	313B	317F	1986/02/01	32302	160639
8600105	F291	BR4091	9999	313B	317F	1986/02/01	41001	160640
8600105	F291	BR4092	9999	313B	317F	1986/02/01	41004	160641
8600105	F291	BR4093	9999	313B	317F	1986/02/01	41006	160642
8600105	F291	BR4094	9999	313B	317F	1986/02/01	41007	160643
8600105	F291	BR4095	9999	313B	317F	1986/02/01	42001	160644
8600105	F291	BR4096	9999	313B	317F	1986/02/01	42002	160645
8600105	F291	BR4097	9999	313B	317F	1986/02/01	42003	160646
8600105	F291	BR4098	9999	313B	317F	1986/02/19	42007	160647
8600105	F291	BR4099	9999	313B	317F	1986/02/01	44004	160648
8600105	F291	BR4100	9999	313B	317F	1986/02/01	44005	160649
8600105	F291	BR4101	9999	313B	317F	1986/02/01	44007	160650
8600105	F291	BR4102	9999	313B	317F	1986/02/14	44008	160651
8600105	F291	BR4103	9999	313B	317F	1986/02/01	44011	160652
8600105	F291	BR4104	9999	313B	317F	1986/02/01	44012	160653
8600105	F291	BR4105	9999	313B	317F	1986/02/01	44013	160654
8600105	F291	BR4106	9999	313B	317F	1986/02/01	45001	160655
8600105	F291	BR4107	9999	313B	317F	1986/02/01	46001	160656
8600105	F291	BR4108	9999	313B	317F	1986/02/01	46002	160657
8600105	F291	BR4109	9999	313B	317F	1986/02/01	46003	160658
8600105	F291	BR4110	9999	313B	317F	1986/02/01	46004	160659
8600105	F291	BR4111	9999	313B	317F	1986/02/08	46005	160660
8600105	F291	BR4112	9999	313B	317F	1986/02/01	46006	160661
8600105	F291	BR4113	9999	313B	317F	1986/02/01	46011	160662
8600105	F291	BR4114	9999	313B	317F	1986/02/01	46012	160663
8600105	F291	BR4115	9999	313B	317F	1986/02/01	46014	160664
8600105	F291	BR4116	9999	313B	317F	1986/02/01	46016	160665
8600105	F291	BR4117	9999	313B	317F	1986/02/01	46017	160666
8600105	F291	BR4118	9999	313B	317F	1986/02/01	46022	160667
8600105	F291	BR4119	9999	313B	317F	1986/02/01	46023	160668
8600105	F291	BR4120	9999	313B	317F	1986/02/01	46025	160669
8600105	F291	BR4121	9999	313B	317F	1986/02/01	46026	160670
8600105	F291	BR4122	9999	313B	317F	1986/02/01	46027	160671
8600105	F291	BR4123	9999	313B	317F	1986/02/01	46028	160672
8600105	F291	BR4124	9999	313B	317F	1986/02/01	46029	160673
8600105	F291	BR4125	9999	313B	317F	1986/02/01	46030	160674
8600105	F291	BR4126	9999	313B	317F	1986/02/01	46035	160675
8600105	F291	BR4127	9999	313B	317F	1986/02/01	51001	160676
8600105	F291	BR4128	9999	313B	317F	1986/02/01	51002	160677
8600105	F291	BR4129	9999	313B	317F	1986/02/01	51003	160678
8600105	F291	BR4130	9999	313B	317F	1986/02/01	51004	160679
8600105	F291	BR4131	9999	313B	317F	1986/02/01	51005	160680
8600105	F291	BR4142	9999	313B	317F	1986/02/01	ALRF1	160681
8600105	F291	BR4143	9999	313B	317F	1986/02/01	ALSN6	160682
8600105	F291	BR4144	9999	313B	317F	1986/02/01	BURL1	160683
8600105	F291	BR4145	9999	313B	317F	1986/02/01	BUZM3	160684
8600105	F291	BR4146	9999	313B	317F	1986/02/01	CARO3	160685
8600105	F291	BR4147	9999	313B	317F	1986/02/01	CHLV2	160686
8600105	F291	BR4148	9999	313B	317F	1986/02/01	CLKN7	160687
8600105	F291	BR4149	9999	313B	317F	1986/02/01	CSBF1	160688
8600105	F291	BR4150	9999	313B	317F	1986/02/01	DBLN6	160689
8600105	F291	BR4151	9999	313B	317F	1986/02/01	DESW1	160690
8600105	F291	BR4152	9999	313B	317F	1986/02/01	DISW3	160691
8600105	F291	BR4153	9999	313B	317F	1986/02/01	DSLN7	160692
8600105	F291	BR4154	9999	313B	317F	1986/02/01	FBIS1	160693

8600105	F291	BR4155	9999	313B	317F	1986/02/01	FFIA2	160694
8600105	F291	BR4156	9999	313B	317F	1986/02/01	FPSN7	160695
8600105	F291	BR4157	9999	313B	317F	1986/02/01	GDIL1	160696
8600105	F291	BR4158	9999	313B	317F	1986/02/01	GLLN6	160697
8600105	F291	BR4159	9999	313B	317F	1986/02/01	IOSN3	160698
8600105	F291	BR4160	9999	313B	317F	1986/02/01	LKWF1	160699
8600105	F291	BR4161	9999	313B	317F	1986/02/01	MDRM1	160700
8600105	F291	BR4162	9999	313B	317F	1986/02/01	MISM1	160701
8600105	F291	BR4163	9999	313B	317F	1986/02/01	NWPO3	160702
8600105	F291	BR4164	9999	313B	317F	1986/02/01	PILM4	160703
8600105	F291	BR4165	9999	313B	317F	1986/02/01	PTAC1	160704
8600105	F291	BR4166	9999	313B	317F	1986/02/01	PTAT2	160705
8600105	F291	BR4167	9999	313B	317F	1986/02/01	PTGC1	160706
8600105	F291	BR4168	9999	313B	317F	1986/02/01	SBIO1	160707
8600105	F291	BR4169	9999	313B	317F	1986/02/01	SGNW3	160708
8600105	F291	BR4170	9999	313B	317F	1986/02/01	SISW1	160709
8600105	F291	BR4171	9999	313B	317F	1986/02/01	SJLF1	160710
8600105	F291	BR4172	9999	313B	317F	1986/02/13	SPGF1	160711
8600105	F291	BR4173	9999	313B	317F	1986/02/01	SRST2	160712
8600105	F291	BR4174	9999	313B	317F	1986/02/01	STDM4	160713
8600105	F291	BR4175	9999	313B	317F	1986/02/01	SVLS1	160714
8600105	F291	BR4176	9999	313B	317F	1986/02/20	TPLM2	160715
8600105	F291	BR4177	9999	313B	317F	1986/02/01	TTIW1	160716
8600105	F291	BR4178	9999	313B	317F	1986/02/01	WPOW1	160717

(80 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8600105	F291	BR4089	317F	1	1882	86/02/21	86/02/21
8600105	F291	BR4090	317F	1	6702	86/02/01	86/02/01
8600105	F291	BR4091	317F	1	1342	86/02/01	86/02/01
8600105	F291	BR4092	317F	1	12758	86/02/01	86/02/01
8600105	F291	BR4093	317F	1	8016	86/02/01	86/02/01
8600105	F291	BR4094	317F	1	13264	86/02/01	86/02/01
8600105	F291	BR4095	317F	1	6652	86/02/01	86/02/01
8600105	F291	BR4096	317F	1	6676	86/02/01	86/02/01
8600105	F291	BR4097	317F	1	6632	86/02/01	86/02/01
8600105	F291	BR4098	317F	1	2196	86/02/19	86/02/19
8600105	F291	BR4099	317F	1	8012	86/02/01	86/02/01
8600105	F291	BR4100	317F	1	7880	86/02/01	86/02/01
8600105	F291	BR4101	317F	1	6504	86/02/01	86/02/01
8600105	F291	BR4102	317F	1	3444	86/02/14	86/02/14
8600105	F291	BR4103	317F	1	6734	86/02/01	86/02/01
8600105	F291	BR4104	317F	1	1320	86/02/01	86/02/01
8600105	F291	BR4105	317F	1	1342	86/02/01	86/02/01
8600105	F291	BR4106	317F	1	3536	86/02/01	86/02/01
8600105	F291	BR4107	317F	1	7912	86/02/01	86/02/01
8600105	F291	BR4108	317F	1	8018	86/02/01	86/02/01
8600105	F291	BR4109	317F	1	7988	86/02/01	86/02/01
8600105	F291	BR4110	317F	1	7908	86/02/01	86/02/01
8600105	F291	BR4111	317F	1	5818	86/02/08	86/02/08
8600105	F291	BR4112	317F	1	7526	86/02/01	86/02/01
8600105	F291	BR4113	317F	1	6648	86/02/01	86/02/01
8600105	F291	BR4114	317F	1	6598	86/02/01	86/02/01
8600105	F291	BR4115	317F	1	6652	86/02/01	86/02/01
8600105	F291	BR4116	317F	1	384	86/02/01	86/02/01
8600105	F291	BR4117	317F	1	428	86/02/01	86/02/01
8600105	F291	BR4118	317F	1	7952	86/02/01	86/02/01
8600105	F291	BR4119	317F	1	6552	86/02/01	86/02/01
8600105	F291	BR4120	317F	1	6662	86/02/01	86/02/01
8600105	F291	BR4121	317F	1	6420	86/02/01	86/02/01
8600105	F291	BR4122	317F	1	6656	86/02/01	86/02/01
8600105	F291	BR4123	317F	1	7890	86/02/01	86/02/01
8600105	F291	BR4124	317F	1	5256	86/02/01	86/02/01
8600105	F291	BR4125	317F	1	1332	86/02/01	86/02/01
8600105	F291	BR4126	317F	1	6666	86/02/01	86/02/01
8600105	F291	BR4127	317F	1	8000	86/02/01	86/02/01
8600105	F291	BR4128	317F	1	8018	86/02/01	86/02/01
8600105	F291	BR4129	317F	1	8018	86/02/01	86/02/01
8600105	F291	BR4130	317F	1	7994	86/02/01	86/02/01
8600105	F291	BR4131	317F	1	6674	86/02/01	86/02/01
8600105	F291	BR4142	317F	1	1330	86/02/01	86/02/01
8600105	F291	BR4143	317F	1	1340	86/02/01	86/02/01
8600105	F291	BR4144	317F	1	1330	86/02/01	86/02/01
8600105	F291	BR4145	317F	1	1342	86/02/01	86/02/01
8600105	F291	BR4146	317F	1	1336	86/02/01	86/02/01
8600105	F291	BR4147	317F	1	1342	86/02/01	86/02/01
8600105	F291	BR4148	317F	1	1338	86/02/01	86/02/01
8600105	F291	BR4149	317F	1	1330	86/02/01	86/02/01
8600105	F291	BR4150	317F	1	1306	86/02/01	86/02/01
8600105	F291	BR4151	317F	1	1338	86/02/01	86/02/01
8600105	F291	BR4152	317F	1	1340	86/02/01	86/02/01
8600105	F291	BR4153	317F	1	2652	86/02/01	86/02/01
8600105	F291	BR4154	317F	1	1334	86/02/01	86/02/01

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8600105 F291 BR4155 317F 1      1328   86/02/01   86/02/01
8600105 F291 BR4156 317F 1      828    86/02/01   86/02/01
8600105 F291 BR4157 317F 1      1312   86/02/01   86/02/01
8600105 F291 BR4158 317F 1      1336   86/02/01   86/02/01
8600105 F291 BR4159 317F 1      1340   86/02/01   86/02/01
8600105 F291 BR4160 317F 1      990    86/02/01   86/02/01
8600105 F291 BR4161 317F 1      1288   86/02/01   86/02/01
8600105 F291 BR4162 317F 1      1334   86/02/01   86/02/01
8600105 F291 BR4163 317F 1      1330   86/02/01   86/02/01
8600105 F291 BR4164 317F 1      1320   86/02/01   86/02/01
8600105 F291 BR4165 317F 1      1336   86/02/01   86/02/01
8600105 F291 BR4166 317F 1      1332   86/02/01   86/02/01
8600105 F291 BR4167 317F 1      1300   86/02/01   86/02/01
8600105 F291 BR4168 317F 1      1290   86/02/01   86/02/01
8600105 F291 BR4169 317F 1      1336   86/02/01   86/02/01
8600105 F291 BR4170 317F 1      1332   86/02/01   86/02/01
8600105 F291 BR4171 317F 1      1334   86/02/01   86/02/01
8600105 F291 BR4172 317F 1      716    86/02/13   86/02/13
8600105 F291 BR4173 317F 1      1318   86/02/01   86/02/01
8600105 F291 BR4174 317F 1      1314   86/02/01   86/02/01
8600105 F291 BR4175 317F 1      1336   86/02/01   86/02/01
8600105 F291 BR4176 317F 1      392    86/02/20   86/02/20
8600105 F291 BR4177 317F 1      1334   86/02/01   86/02/01
8600105 F291 BR4178 317F 1      1342   86/02/01   86/02/01

(80 rows affected)
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