

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA *

(Issued October 1983)

BENTHIC EXPEDITION

LEG 8

Nuku Hiva, Marquesas (26 April 1983)
to
San Diego, Calif. (11 May 1983)

R/V Melville

Chief Scientist - J. Bullister (SIO)

Resident Marine Tech - R. Comer

Post-Cruise Processing and Report Preparation
by S.I.O. Geological Data Center

Data Collection Funded by NSF
Grant Number NSF-OCE80-24472
Data Processing funded by SIA and NSF

NOTE

This is an index of underway geophysical data edited and processed after the completion of the cruise leg and is intended primarily for informal use within the institution. This document is not to be reproduced or distributed outside Scripps without prior approval of the chief scientist or the Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093.

GDC Cruise I.D.# - 204

* Only navigation and Sample Index included in this report.

INFORMAL REPORT AND INDEX OF NAVIGATION, DEPTH, *
MAGNETIC AND SUBBOTTOM PROFILER DATA

Contents:

- Index Chart - gives track of cruise leg, dates, ports, and mileage of each type of data collected.
- Track Charts - annotated with dates (day/month) and hour ticks. The scale is .312 in/degree longitude.
- Profiles - depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (greater than 30 degrees) are annotated. Sections of track having subbottom profiler (airgun) records have a wide black line along the bottom of the profile. Sections having Sea Beam are indicated by a narrow line.
- Sample Index - list of beginning and end times and positions of all underway records as well as all other samples (geology, biology, physical oceanography, etc.) collected on the cruise leg.

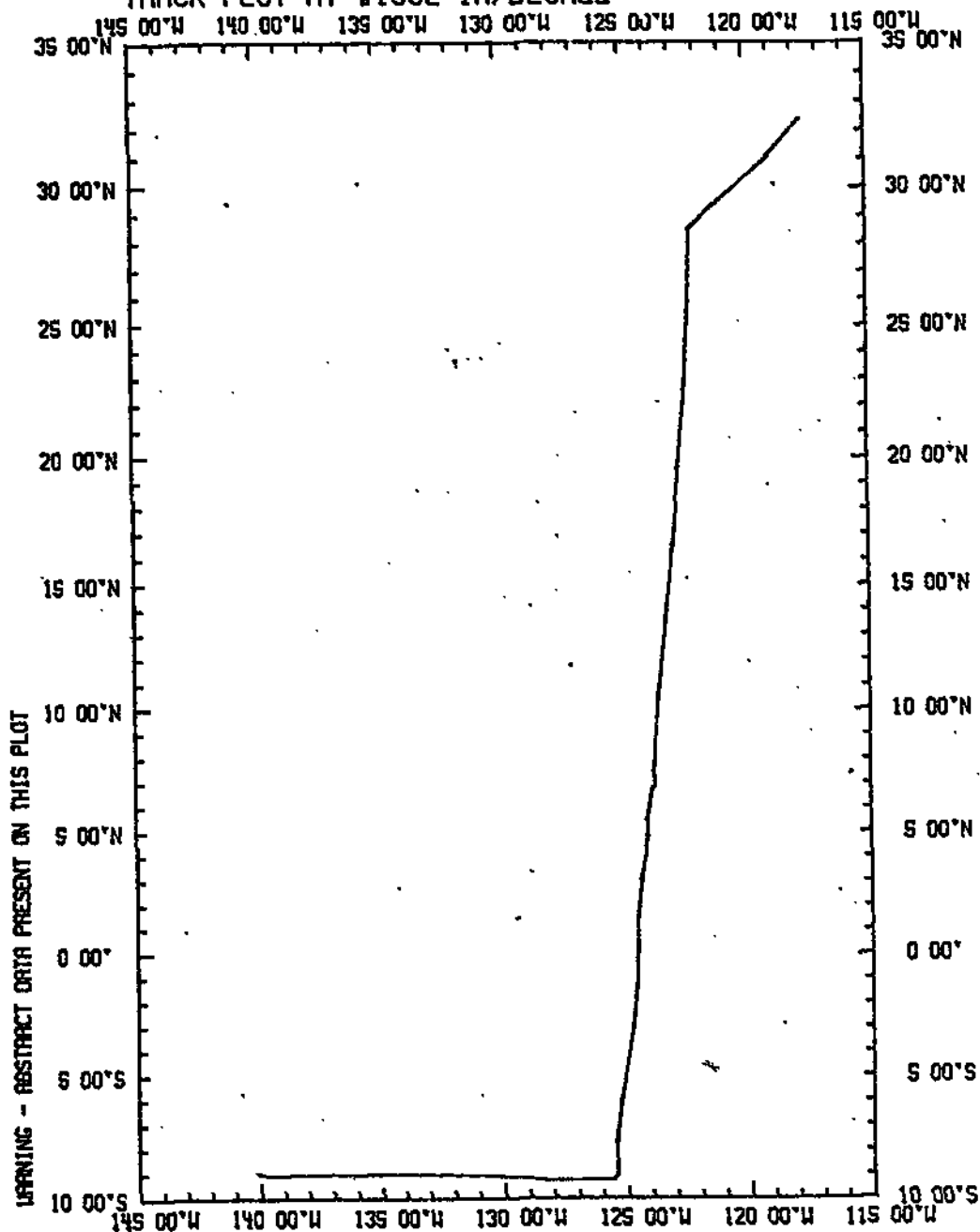
For information on the availability and reproduction costs of data in the following forms, contact S. M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093. Phone (714) 452-2752.

1. Navigation listing of times and positions of course and speed changes, fixes and drift velocity.
2. Depth Compilation Plots - Compilation plots at the traditional scale of 4"/degree longitude (1:1,000,000) are no longer produced for Sea Beam cruises. Custom plots may be requested of vertical beam (2 $\frac{2}{3}$ degree beam width) depths retrieved at one minute intervals of ship time.
3. Plots of magnetic anomaly profiles along track - map scale = 1.2inch/degree, anomaly scale between 15N and 15 S latitude = 500 gamma/inch, anomaly scale north of 15N and south of 15S = 1000 gamma/inch, from values retrieved at approximately 1 mile spacing and regional field removed using the 1980 IGRF.
4. Separate time series files of navigation, depth and magnetics of data merged in the MGD77 Exchange format on magnetic tape.
5. Microfilm or Xerox copies of:
 - a. Echosounder records - 12 and 3.5 kHz frequency
 - b. Subbottom profiler records (airgun)
 - c. Magnetometer records
 - d. Underway data log

Rev June 1982 (Sea Beam)

* Only navigation and Sample Index included in this report

BNTH08MV
TRACK PLOT AT .1632 IN/DEGREE



BENTHIC EXPEDITION
LEG 8

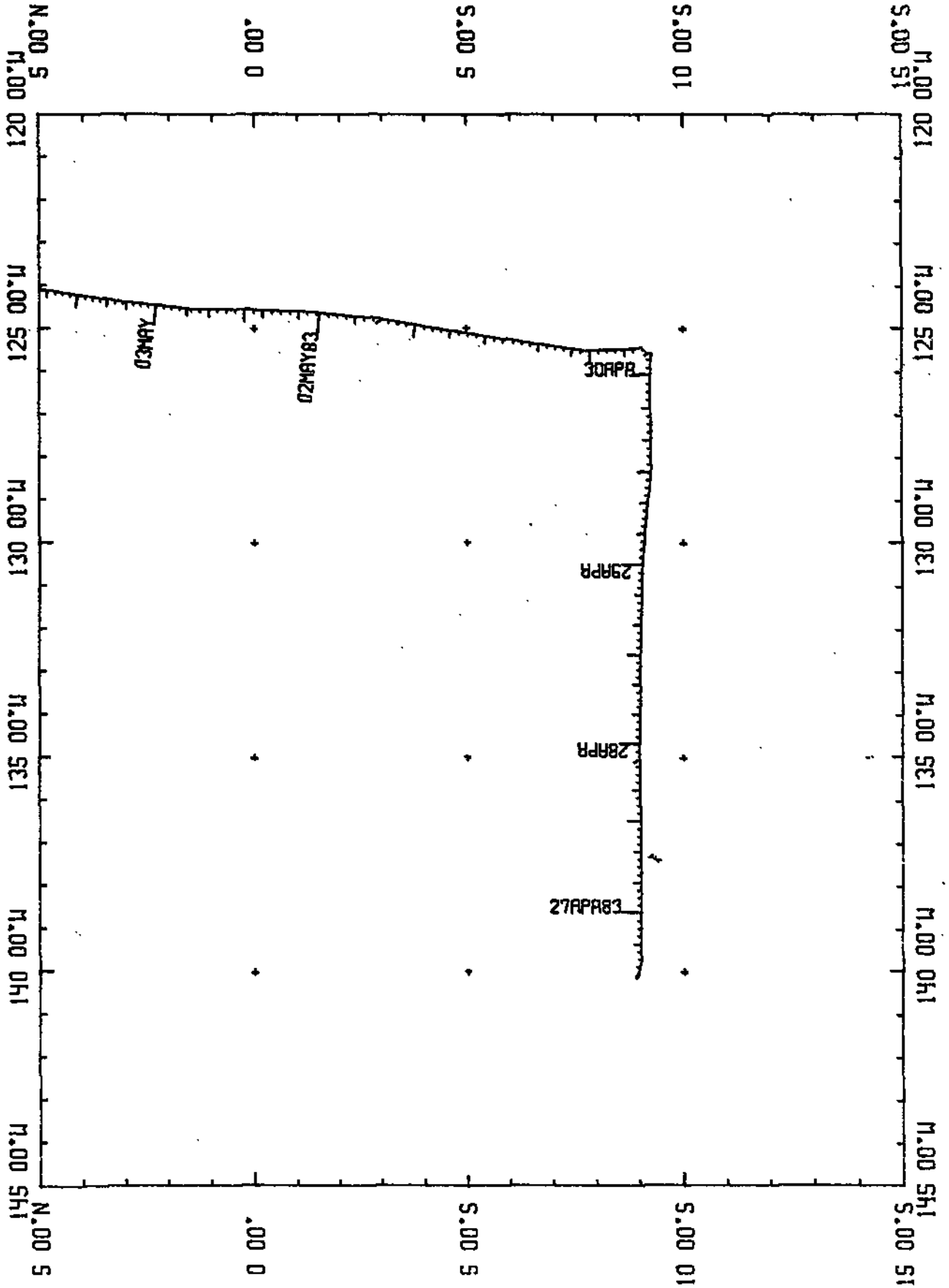
CHIEF SCIENTIST- J. Bullister (SIO)
Ports: Nuku Hiva, Marquesas - San Diego, Calif.
Dates: 26 April - 11 May 1983
Ship: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 3514 miles
- 2) Bathymetry - collected but not processed
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected
- 6) Seabed - none collected

BNTH08MV PLOT 1 OF 3

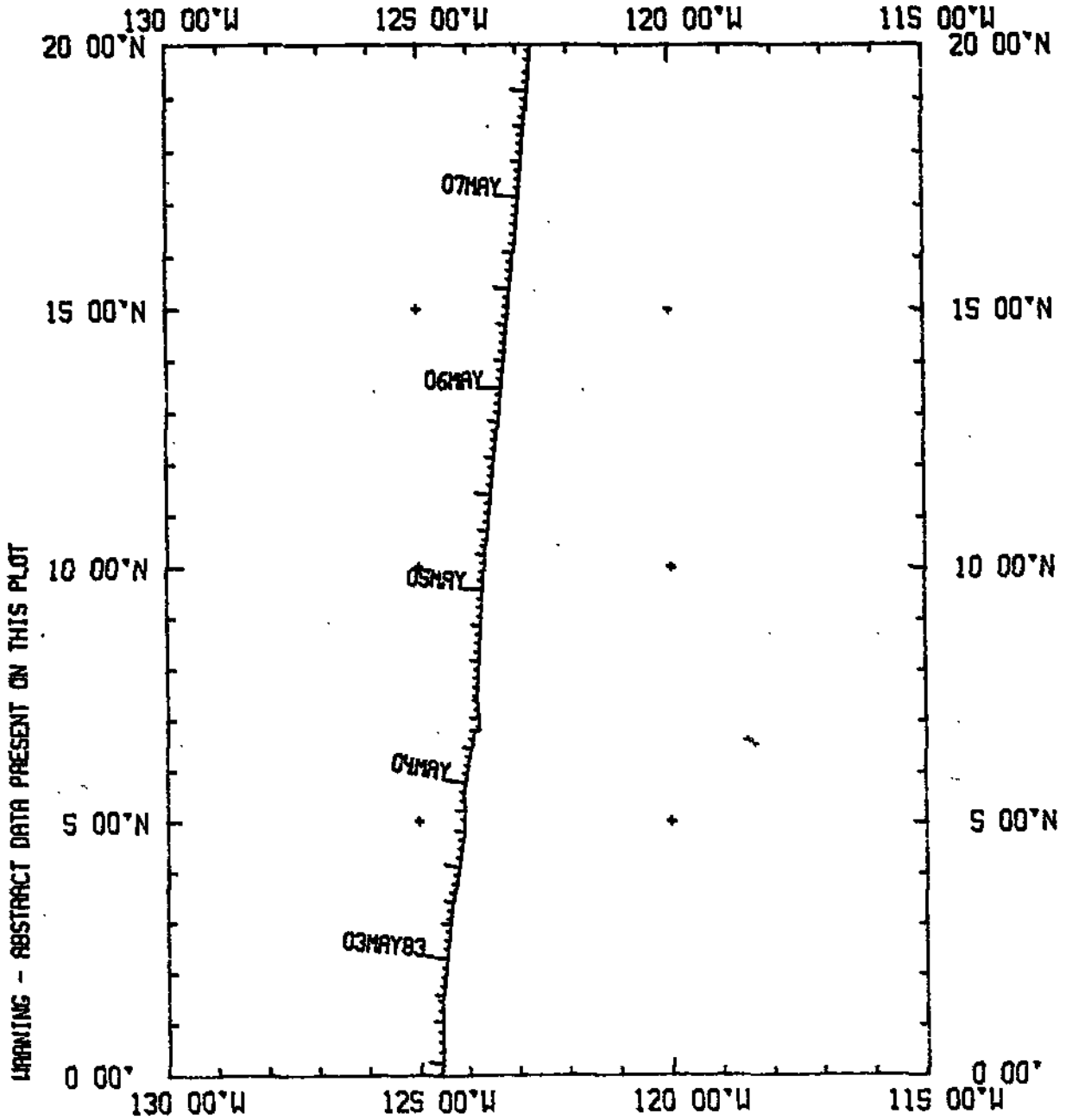
SCALE = .312 INCHES/DEGREE



WARNING - ABSTRACT DATA PRESENT ON THIS PLOT

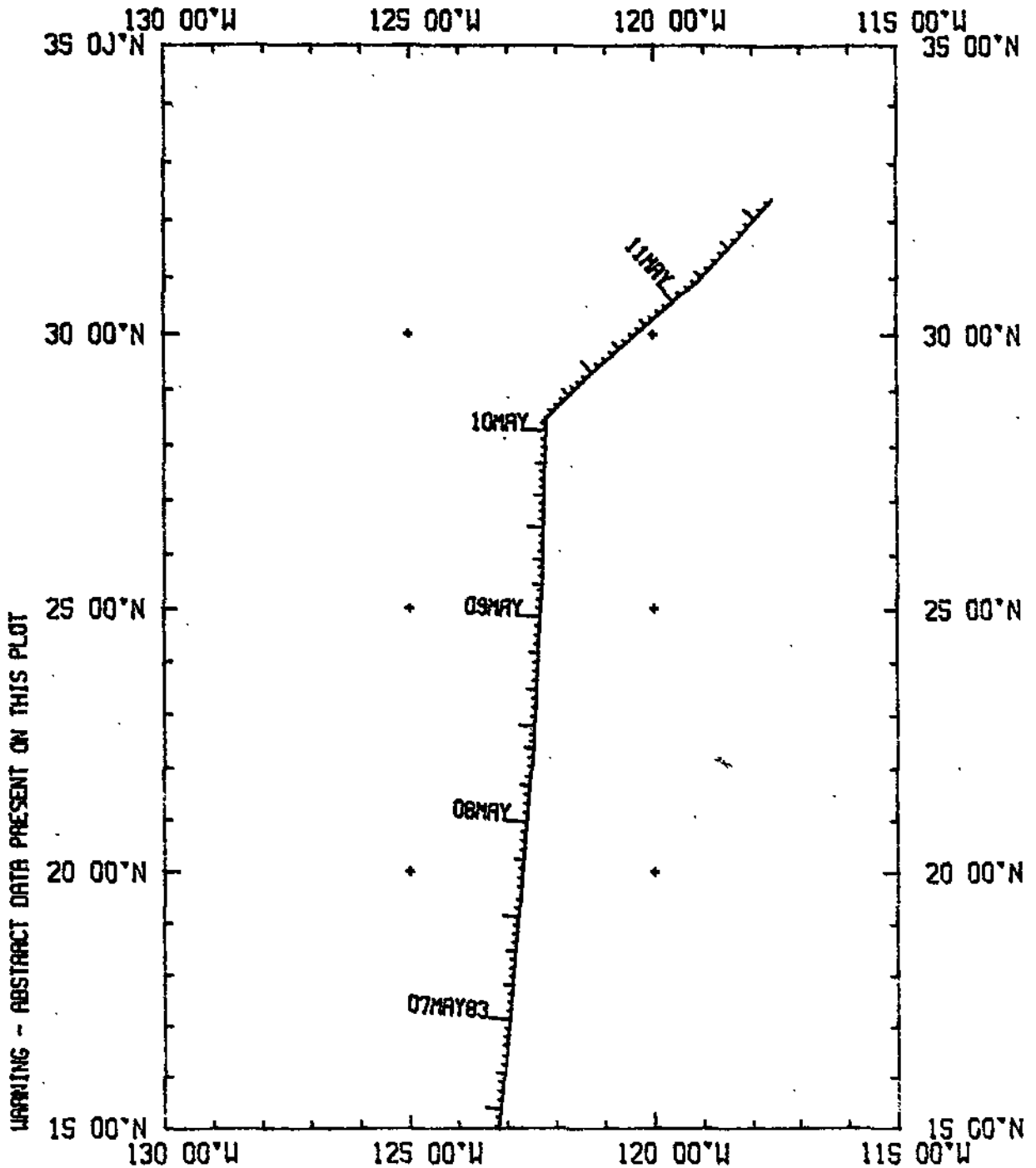
BNTH08MV PLOT 2 OF 3

SCALE - .312 INCHES/DEGREE



BNTH08MV PLOT 3 OF 3

SCALE = .312 INCHES/DEGREE



S.I.O. Sample Index
(Issued October 1983)

BENTHIC EXPEDITION

Leg 8

Nuku Hiva, Marquesas (26 April 1983)
to
San Diego, Calif. (11 May 1983)

R/V Melville

Chief Scientist - J. Bullister (SIO)

Resident Marine Tech - R. Comer

Post-Cruise Processing and Report Preparation
by S.I.O. Geological Data Center

Index Encoding Funded by NSF
Grant Number OCE80-22996
Index Processing and Report Preparation
funded in part by SIA

The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident technician and processed on shore by the S.I.O. Geological Data Center shortly after the completion of the cruise leg.

Positions are interpolated on the basis of sample time by comparison to a single, edited navigation file. Samples beginning at one time and position and ending at another are entered on two consecutive cards. Disposition and sample type are represented by three and four character codes to permit future computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

S.I.O. SAMPLE INDEX

GENERATED 20 OCT 83

*** BENTHIC LEG 8 SAMPLE INDEX

(BNTH08MV) ***

	60E	120E	180	120W	60W	0W		
85N	+.....+.....+.....+.....+.....+.....+.....+.....+.....+						85N	
	'X' = SHIP'S TRACK BY 5 DEGREE SQUARE							
80N					0	0000	80N	
75N		0			0 00000	000000000	75N	
70N		000000000000			0000 0 00 0	000000000	70N	
65N	0000	00000000000000000000000000000000		000000000000000000	00	0000 0	65N	
60N	00			0000000000000000	00	00	60N	
55N	0	00000000000000000000000000000000	0-0	0	00000000	000	0 55N	
50N	00000000000000000000000000000000			0	0000000000	0000	00 50N	
45N	00				00000000000000	0	45N	
40N	0 00	00 000000000000000000			000000000000		40N	
35N	0 00000	0000000000000000			000000000		0 35N	
30N	000	00000000000000000000			00000000		00 30N	
25N	000000000000	0000000000000000			X 0000 0		000 25N	
20N	00000000 0000	000 00000		0	X 0 00		000 20N	
15N	00000000 00	0 00 0			X 00 0		000 15N	
10N	000000000	0 0 0			X 0		000 10N	
5N	0000000000	0			X 00000		000 5N	
0N	0000000	00 00			X 000000		0N	
5S	000000	0 0 0 00			XX 000000		5S	
10S	00000	0 00		XXX X	00000000		10S	
15S	00000	0 0			00000000		15S	
20S	000000 0	00000			000000		20S	
25S	0000 0	0000000			000000		25S	
30S	00	00000000			0000		30S	
35S	00	00 000	0		00000		35S	
40S		00	0		000		40S	
45S					00		45S	
50S					00		50S	
55S					0		55S	
60S							60S	
65S							65S	
70S	00	000000000000			0		70S	
75S	00				0	00000	0000	75S
80S	000 00			00000000 0000000000000000	0000	00000000	00000000	80S
85S	00			00				85S
90S	000 000000000000 000 000 000			00				90S
	+.....+.....+.....+.....+.....+.....+.....+.....+.....+							
	60E	120E	180	120W	60W	0W		

26 APR 83 - NUKU HIVA, MARQUESAS
 T)
 11 MAY 83 - SAN DIEGO, CALIF

CHIEF SCIENTIST - BULLISTER, J. GRD
 SHIP - R/V MELVILLE (SIO)

PRODUCED BY GEOLOGICAL DATA CENTER, SCRIPPS INSTITUTION
 OF OCEANOGRAPHY, LA JOLLA, CALIFORNIA 92093

NUMBER OF SAMPLES OF CLASS 'TYPE' GOING TO DESTINATION 'DISP'

DISP	TYPE						TOTAL
	AS	BT	DP	HC	LB	PE	
GDC	1		2			1	2
GRD	1	7			1	2	10
MTG	1					1	1
NOA	1	51				1	51
PCF	1		19			1	20
SCG	1					1	1
SIX	1					1	1
TOTAL	1	7	51	2	19	1	86

SAMPLE 'TYPE' CODES USED ABOVE

AS = AIR SAMPLE
 BT = BATHY THERMOGRAM
 DP = DEPTH
 HC = HYDROGRAPHIC CAST
 LB = LOG BOOKS
 PE = PERSONNEL IN SCIENTIFIC PARTY

SAMPLE 'DISP' CODES USED ABOVE

GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
 GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
 MTG = MARINE TECHNOLOGY GROUP (EXT. 4194)
 NOA = NATIONAL OCEANOGRAPHIC + ATMOSPHERIC ADMINISTRATION
 PCF = PHYSICAL AND CHEMICAL DATA FACILITY (EXT. 2240)
 SCG = SHIPBOARD COMPUTER GROUP (EXT. 4195)
 SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT. 3675)

GMT D/M/Y TIME DATE	LOC TIME TZ	LOC	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
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BENTHIC LEG 8 SAMPLE INDEX

BNTH08NV

*** PORTS ***

1527 26/ 4/83			LGPT B	NUKU HIVA, MARQUESAS		08 56. S	140 05. W	F BNTH08NV
1800 11/ 5/83			LGPT E	SAN DIEGO, CALIF		32 43. N	117 11. W	F BNTH08NV

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 BULLISTER, J.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
2 COMER, R.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3 CARTER, M.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 COSTELLO, J.	MARINE TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 GUENTHER, P.	SPECIALIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6 STEVENS, L.	OBSERVER	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT. 367)

NOTES

AN 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE CODE INDICATES NO SAMPLE OR DATA RECOVERED.
 A 'C' INDICATES CONTINUATION OF DATA COLLECTION FROM BEFORE THE BEGINNING OR AFTER THE END OF THIS LEG. (MOORED BOTTOM INSTRUMENTS, FOR EXAMPLE).
 THE NUMBER APPEARING IN THE COLUMNS BETWEEN THE SAMPLE IDENTIFIER AND THE DISPOSITION CODE, FOR MANY SAMPLE ENTRIES, IS THE WATER DEPTH IN CORRECTED METERS.

GMT D/M/Y TIME DATE	LOC TIME TZ	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
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**** UNDERWAY DATA CURATOR - STUART M. SMITH EXT. 2752 ****

*** LOG BOOKS ***

1527 26/ 4/83			LBSC B	SCIENTIFIC LOG	GRD 08	55.3S	140 06.3W	S BNTH08MV
1800 11/ 5/83			LBSC E	SCIENTIFIC LOG	GRD 32	23.0N	117 34.2W	S BNTH08MV

*** FATHOGRAMS ***

1530 26/ 4/83			DPRT B	12KHZ 2 S/SWP R-01	GDC 08	55.4S	140 06.3W	S BNTH08MV
1650 3/ 5/83			DPRT E	12KHZ 2 S/SWP R-01	GDC 04	50.1N	124 05.9W	S BNTH08MV
1704 3/ 5/83			DPRT B	12KHZ 2 S/SWP R-02	GDC 04	50.2N	124 05.9W	S BNTH08MV
1510 11/ 5/83			DPRT E	12KHZ 2 S/SWP R-02	GDC 32	23.0N	117 34.2W	S BNTH08MV

**** AIR SAMPLE ****

1527 26/ 4/83			ASCS B	FREON, CO, H2	GRD 08	55.3S	140 06.3W	S BNTH08MV
1800 11/ 5/83			ASCS E	FREON, CO, H2	GRD 32	23.0N	117 34.2W	S BNTH08MV
2140 28/ 4/83			ASXX B	AIR SAMPLE N2O	GRD 09	04.0S	130 53.6W	S BNTH08MV
0101 29/ 4/83			ASXX E	AIR SAMPLE 83-04-03	GRD 09	05.3S	130 18.9W	S BNTH08MV
1526 2/ 5/83			ASXX B	AIR SAMPLE N2O	GRD 00	57.8N	124 32.8W	S BNTH08MV
1842 2/ 5/83			ASXX E	AIR SAMPLE 83-05-04	GRD 01	32.2N	124 33.0W	S BNTH08MV
2341 3/ 5/83			ASXX B	AIR SAMPLE N2O	GRD 05	43.1N	124 06.0W	S BNTH08MV
0302 4/ 5/83			ASXX E	AIR SAMPLE 83-05-05	GRD 06	17.8N	123 59.9W	S BNTH08MV
1435 5/ 5/83			ASXX B	AIR SAMPLE N2O	GRD 11	51.2N	123 31.6W	S BNTH08MV
1749 5/ 5/83			ASXX E	AIR SAMPLE 83-05-06	GRD 12	25.5N	123 27.1W	S BNTH08MV
0412 6/ 5/83			ASXX B	AIR SAMPLE N2O	GRD 14	02.9N	123 15.7W	S BNTH08MV
0745 6/ 5/83			ASXX E	AIR SAMPLE 83-05-07	GRD 14	39.6N	123 11.3W	S BNTH08MV
2057 8/ 5/83			ASXX B	AIR SAMPLE N2O	GRD 24	21.4N	122 23.6W	S BNTH08MV
0003 9/ 5/83			ASXX E	AIR SAMPLE 83-05-08	GRD 24	53.1N	122 21.7W	S BNTH08MV

HYDROGRAPHIC CAST

2105 27/ 4/83			HCNI	STA-01 20BTLs	2003M	PCF 09	00.1S	135 00.2W	S BNTH08MV
0405 30/ 4/83			HCNI	STA-02 20BTLs	2003M	PCF 09	13.7S	125 34.9W	S BNTH08MV
1359 30/ 4/83			HCNI	STA-03 20BTLs	2003M	PCF 07	40.1S	125 29.4W	S BNTH08MV
0007 1/ 5/83			HCNI	STA-04 20BTLs	2003M	PCF 06	01.4S	125 16.0W	S BNTH08MV
1623 1/ 5/83			HCNI	STA-05 20BTLs	2003M	PCF 03	00.8S	124 46.9W	S BNTH08MV
0102 2/ 5/83			HCNI	STA-06 20BTLs	2003M	PCF 01	29.6S	124 37.2W	S BNTH08MV

GMT TIME	D/M/Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP	CRUISE
1003	2/ 5/83			HCNI	STA-07 20BTLS	2003M	PCF 00	03.8N 124 33.7W	S	BNTH08MV
1851	2/ 5/83			HCNI	STA-08 20BTLS	2003M	PCF 01	32.3N 124 32.9W	S	BNTH08MV
0443	3/ 5/83			HCNI	STA-09 20BTLS	2003M	PCF 03	00.9N 124 23.1W	S	BNTH08MV
1653	3/ 5/83			HCNI	STA-10 20BTLS	2003M	PCF 04	50.1N 124 05.9W	S	BNTH08MV
1110	4/ 5/83			HCNI	STA-11 20BTLS	2003M	PCF 07	29.5N 123 50.1W	S	BNTH08MV
0543	5/ 5/83			HCNI	STA-12 20BTLS	2003M	PCF 10	27.5N 123 38.1W	S	BNTH08MV
0022	6/ 5/83			HCNI	STA-13 20BTLS	2003M	PCF 13	29.2N 123 18.7W	S	BNTH08MV
1943	6/ 5/83			HCNI	STA-14 20BTLS	2003M	PCF 16	33.8N 122 60.0W	S	BNTH08MV
1500	7/ 5/83			HCNI	STA-15 20BTLS	2003M	PCF 19	31.2N 122 44.0W	S	BNTH08MV
0933	8/ 5/83			HCNI	STA-16 20BTLS	2003M	PCF 22	31.2N 122 28.4W	S	BNTH08MV
0416	9/ 5/83			HCNI	STA-17 20BTLS	2003M	PCF 25	28.2N 122 18.2W	S	BNTH08MV
0204	10/ 5/83			HCNI	STA-18 113BTLS	2003M	PCF 28	28.2N 122 13.7W	S	BNTH08MV
0312	10/ 5/83			HCNI	STA-18 27BTLS	1750M	PCF 28	28.6N 122 13.8W	S	BNTH08MV

*** BATHY THERMOGRAPH ***

1802	26/ 4/83			BTXP	XBT 04 T6 29.2C	760	NOA 09	03.1S 139 41.6W	S	BNTH08MV
1954	27/ 4/83			BTXP	XBT 05 T6 29.2C	450M	NOA 09	00.6S 135 01.6W	S	BNTH08MV
0221	30/ 4/83			BTXP	XBT 06 T6 29.2C	760M	NOA 09	15.1S 125 39.2W	S	BNTH08MV
0846	30/ 4/83			BTXP	XBT 07 T6 29.3C	760M	NOA 08	29.9S 125 29.6W	S	BNTH08MV
1136	30/ 4/83			BTXP	XBT 08 T6 29.4C	760M	NOA 07	55.8S 125 29.9W	S	BNTH08MV
1546	30/ 4/83			BTXP	XBT 09 T6 29.5C	760M	NOA 07	30.3S 125 27.6W	S	BNTH08MV
1829	30/ 4/83			BTXP	XBT 10 T6 29.3C	760M	NOA 06	58.5S 125 22.6W	S	BNTH08MV
2039	30/ 4/83			BTXP	XBT 11 T6 29.4C	760M	NOA 06	34.2S 125 19.5W	S	BNTH08MV
0103	1/ 5/83			BTXP	XBT 12 T6 29.4C	550M	NOA 06	02.1S 125 16.0W	S	BNTH08MV
0406	1/ 5/83			BTXP	XBT 13 T6 29.3C	760M	NOA 05	25.5S 125 11.4W	S	BNTH08MV
0652	1/ 5/83			BTXP	XBT 14 T6 29.8C	760M	NOA 04	50.8S 125 07.4W	S	BNTH08MV
0840	1/ 5/83			BTXP	XBT 15 T6 29.7C	760M	NOA 04	28.6S 125 03.7W	S	BNTH08MV
1104	1/ 5/83			BTXP	XBT 16 T6 29.4C	760M	NOA 03	59.5S 124 57.8W	S	BNTH08MV
1509	1/ 5/83			BTXP	XBT 17 T6 29.2C	760M	NOA 03	08.9S 124 48.2W	S	BNTH08MV
1632	1/ 5/83			BTXP	XBT 18 T6 29.2C	760M	NOA 03	00.8S 124 46.8W	S	BNTH08MV
1938	1/ 5/83			BTXP	XBT 19 T6 29.5C	760M	NOA 02	27.7S 124 41.7W	S	BNTH08MV
2330	1/ 5/83			BTXP	XBT 20 T6 29.7C	760M	NOA 01	38.3S 124 38.4W	S	BNTH08MV
0110	2/ 5/83			BTXP	XBT 21 T6 29.6C	760M	NOA 01	29.6S 124 37.1W	S	BNTH08MV
0358	2/ 5/83			BTXP	XBT 22 T6 29.5C	760M	NOA 01	01.0S 124 33.5W	S	BNTH08MV
0626	2/ 5/83			BTXP	XBT 23 T6 29.3C	760M	NOA 00	30.3S 124 31.4W	S	BNTH08MV
0910	2/ 5/83			BTXP	XBT 24 T6 29.3C	760M	NOA 00	03.6N 124 34.5W	S	BNTH08MV
1310	2/ 5/83			BTXP	XBT 25 T6 29.2C	760M	NOA 00	30.3N 124 33.1W	S	BNTH08MV
1541	2/ 5/83			BTXP	XBT 26 T6 29.0C	760M	NOA 01	00.9N 124 32.9W	S	BNTH08MV
1944	2/ 5/83			BTXP	XBT 27 T6 29.2C	760M	NOA 01	32.4N 124 32.3W	S	BNTH08MV
2215	2/ 5/83			BTXP	XBT 28 T6 29.2C	760M	NOA 02	00.6N 124 31.2W	S	BNTH08MV
0100	3/ 5/83			BTXP	XBT 29 T6 28.7C	760M	NOA 02	30.4N 124 28.9W	S	BNTH08MV
0552	3/ 5/83			BTXP	XBT 30 T6 28.7C	760M	NOA 03	02.8N 124 23.4W	S	BNTH08MV
0824	3/ 5/83			BTXP	XBT 31 T6 28.5C	760M	NOA 03	30.4N 124 21.1W	S	BNTH08MV
1113	3/ 5/83			BTXP	XNT 32 T6 28.5C	760M	NOA 03	60.0N 124 15.6W	S	BNTH08MV
1403	3/ 5/83			BTXP	XBT 33 T6 28.5C	760M	NOA 04	29.6N 124 10.6W	S	BNTH08MV
1924	3/ 5/83			BTXP	XBT 34 T6 28.4C	760M	NOA 05	07.9N 124 06.0W	S	BNTH08MV
2234	3/ 5/83			BTXP	XBT 35 T6		NOA 05	31.3N 124 06.7W	S	BNTH08MV
0111	4/ 5/83			BTXP	XBT 36 T6	710M	NOA 05	59.0N 124 04.3W	S	BNTH08MV
0425	4/ 5/83			BTXP	XBT 37 T6 28.0C	760M	NOA 06	32.0N 123 56.8W	S	BNTH08MV
0737	4/ 5/83			BTXP	XBT 38 T6 28.0C	760M	NOA 07	00.1N 123 49.1W	S	BNTH08MV
1210	4/ 5/83			BTXP	XBT 39 T6 28.0C	760M	NOA 07	30.6N 123 50.0W	S	BNTH08MV

GMT TIME	D / M / Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1508	4/ 5/83			BTXP	XBT 40 T6 27.7C 760M	NOA 08	02.5N	123 47.7W	S BNTH08MV
1820	4/ 5/83			BTXP	XBT 41 T6 27.6C 760M	NOA 08	35.3N	123 44.9W	S BNTH08MV
2058	4/ 5/83			BTXP	XBT 42 T6 26.8C 760M	NOA 09	02.6N	123 43.9W	S BNTH08MV
0008	5/ 5/83			BTXP	XBT 43 T6 26.6C 760M	NOA 09	36.1N	123 43.6W	S BNTH08MV
0240	5/ 5/83			BTXP	XBT 44 T6 26.4C 760M	NOA 10	02.4N	123 40.2W	S BNTH08MV
0935	5/ 5/83			BTXP	XBT 45 T6 26.22 760M	NOA 10	59.8N	123 36.8W	S BNTH08MV
1527	5/ 5/83			BTXP	XBT 46 T6 25.92 760M	NOA 12	00.1N	123 30.5W	S BNTH08MV
2055	5/ 5/83			BTXP	XBT 47 T6 25.72 760M	NOA 12	59.4N	123 22.9W	S BNTH08MV
0351	6/ 5/83			BTXP	XBT 48 T5 25.52 760M	NOA 13	59.3N	123 16.1W	S BNTH08MV
1058	6/ 5/83			BTXP	XBT 49 T6 24.32 760M	NOA 15	11.9N	123 08.0W	S BNTH08MV
1542	6/ 5/83			BTXP	XBT 50 T6 23.42 760M	NOA 16	00.5N	123 02.2W	S BNTH08MV
2312	6/ 5/83			BTXP	XBT 51 T6 22.32 760M	NOA 16	58.6N	122 57.9W	S BNTH08MV
0531	7/ 5/83			BTXP	XBT 52 T6 21.92 760M	NOA 18	00.1N	122 51.7W	S BNTH08MV
1123	7/ 5/83			BTXP	XBT 53 T6 21.82 760M	NOA 19	00.4N	122 47.7W	S BNTH08MV
1824	7/ 5/83			BTXP	XBT 54 T6 22.4 760M	NOA 19	59.6N	122 42.8W	S BNTH08MV
9900					END SAMPLE INDEX				BNTH08MV