

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

(Issued February 1979)

MARIANA EXPEDITION

LEG 7

Agana, Guam (20 November 1978)  
to  
Agana, Guam (7 December 1978)

R/V T. Washington

Chief Scientist - D. Bibee (SIO)

Resident Marine Tech - R. Wilson

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

Data Collection Funded by NSF  
Grant Number OCE 78-16758

Data Processing Funded by SIA, NSF, ONR AND IDOE SEATAR

NOTE: This is an index of underway geophysical data edited and processed shortly 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 Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093.

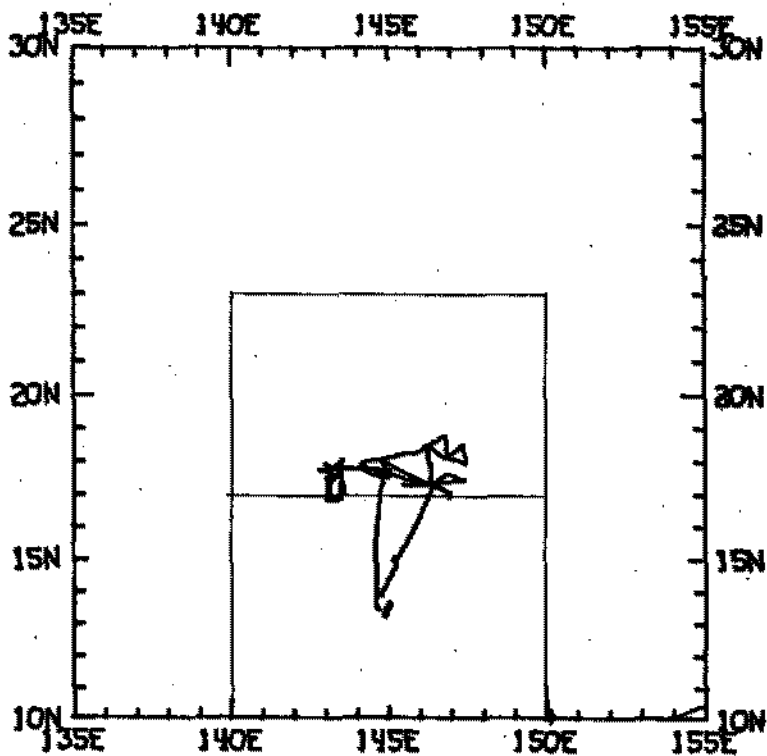
## Informal Report and Index of Navigation, Depth, Magnetic and Subbottom Profiler Data

### Contents:

- Index Chart** - gives track of cruise leg and boundaries of depth compilation plots (see below).
- Track Charts** - annotated with dates (day/month) and hour ticks. The scale is .3"/deg. long.
- 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 solid black line along the bottom of the profile.

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 - in fathoms (assumed sound velocity of 800 fm./sec.) at approximately 1 mile spacing, plotted at 4"/degree with standard U. S. Navy Oceanographic Office BC series boundaries (see index chart).
3. Plots of magnetic anomaly profiles along track - map scale = 1.2"/degree; anomaly scale between 15°N and 15°S latitude = 500 gamm/inch; anomaly scale north of 15°N and south of 15°S = 1000 gamm/inch; from values retrieved at approximately 1 mile spacing and regional field removed using the 1975 IGRF.
4. Card decks of navigation, depth and magnetics (for specific formats, contact S. M. Smith, Geological Data Center).
5. S. I. O. 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.
6. 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



MARIANA EXPEDITION

LEG 7

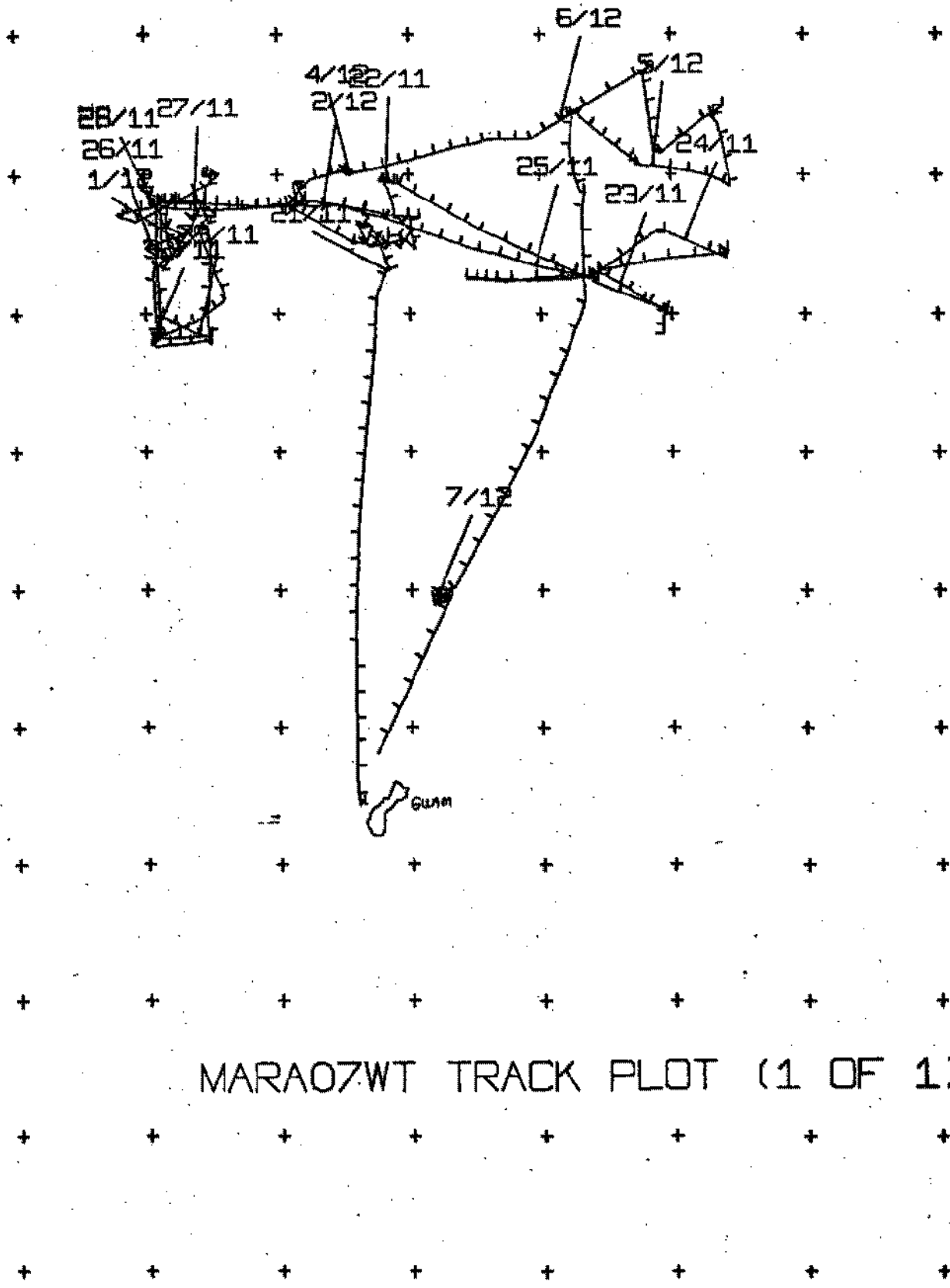
Chief Scientist - D. Bibee (MPL)  
 Ports - Agana, Guam to Agana, Guam  
 Dates - 20 November - 7 December 1978  
 Ship - R/V T. Washington

TOTAL MILEAGE

- 1) Cruise - 2830 miles
- 2) Bathymetry - 2800 miles
- 3) Magnetics - 1125 miles
- 4) Seismic Reflection - 1010 miles
- 5) Gravity - collected

145E

150E  
20N

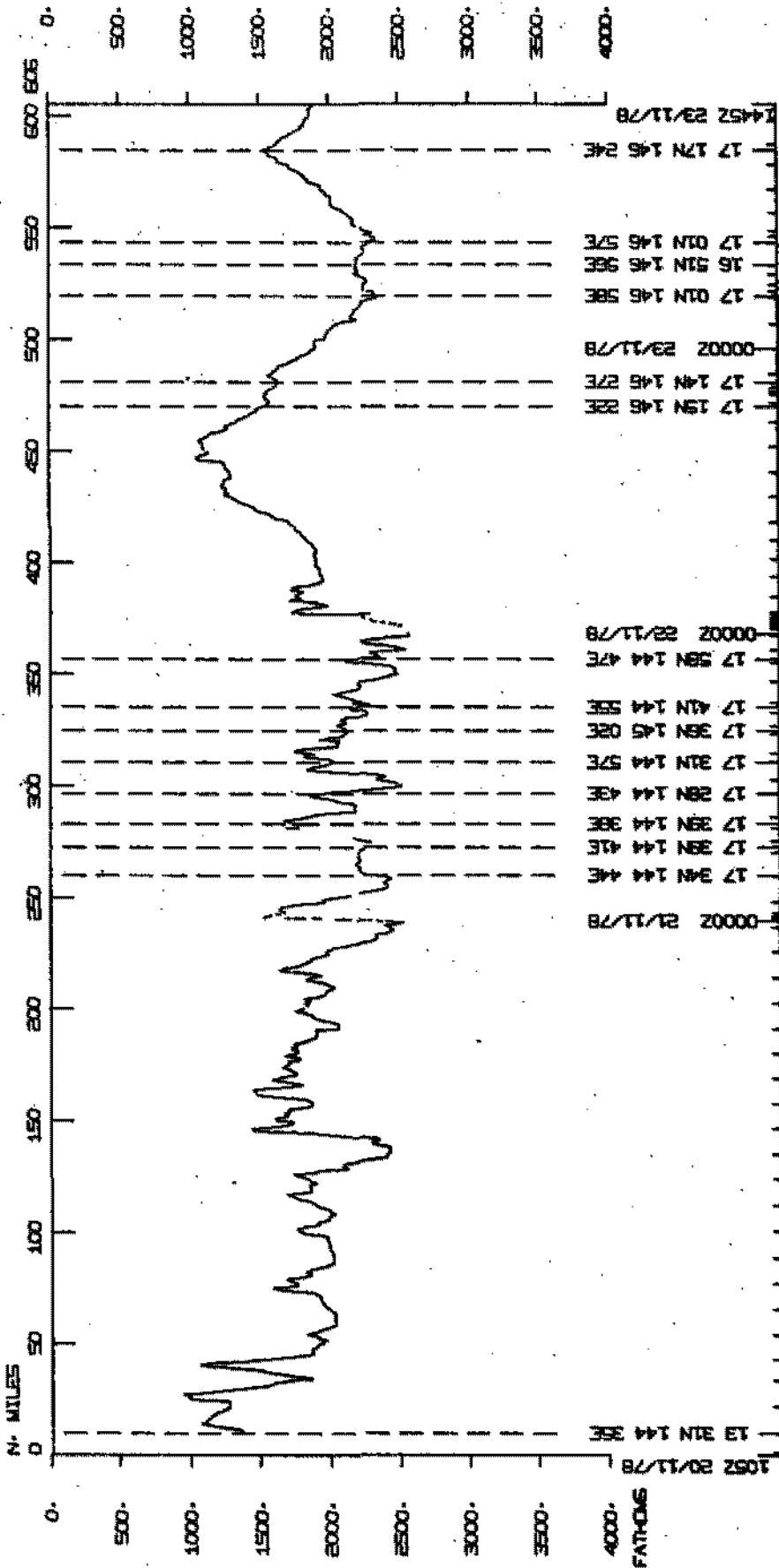
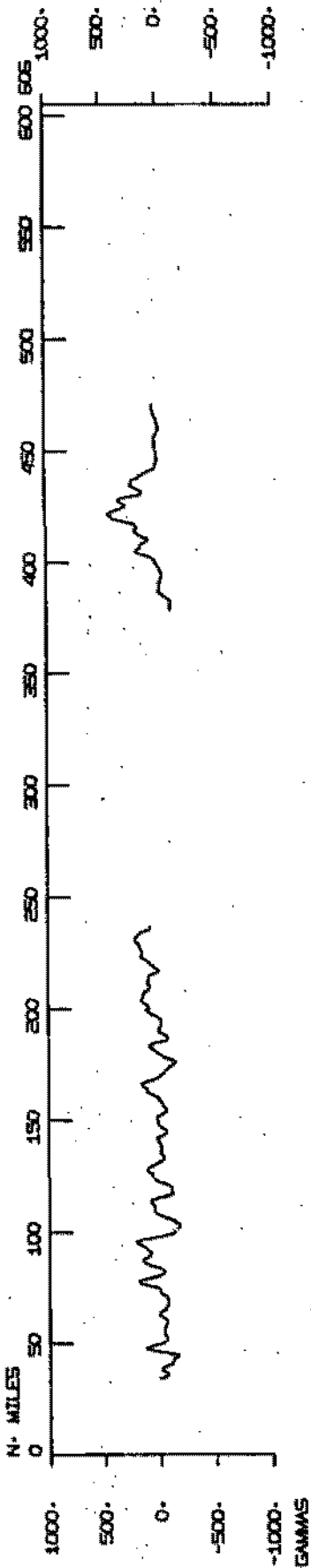


MARAOZWT TRACK PLOT (1 OF 1)

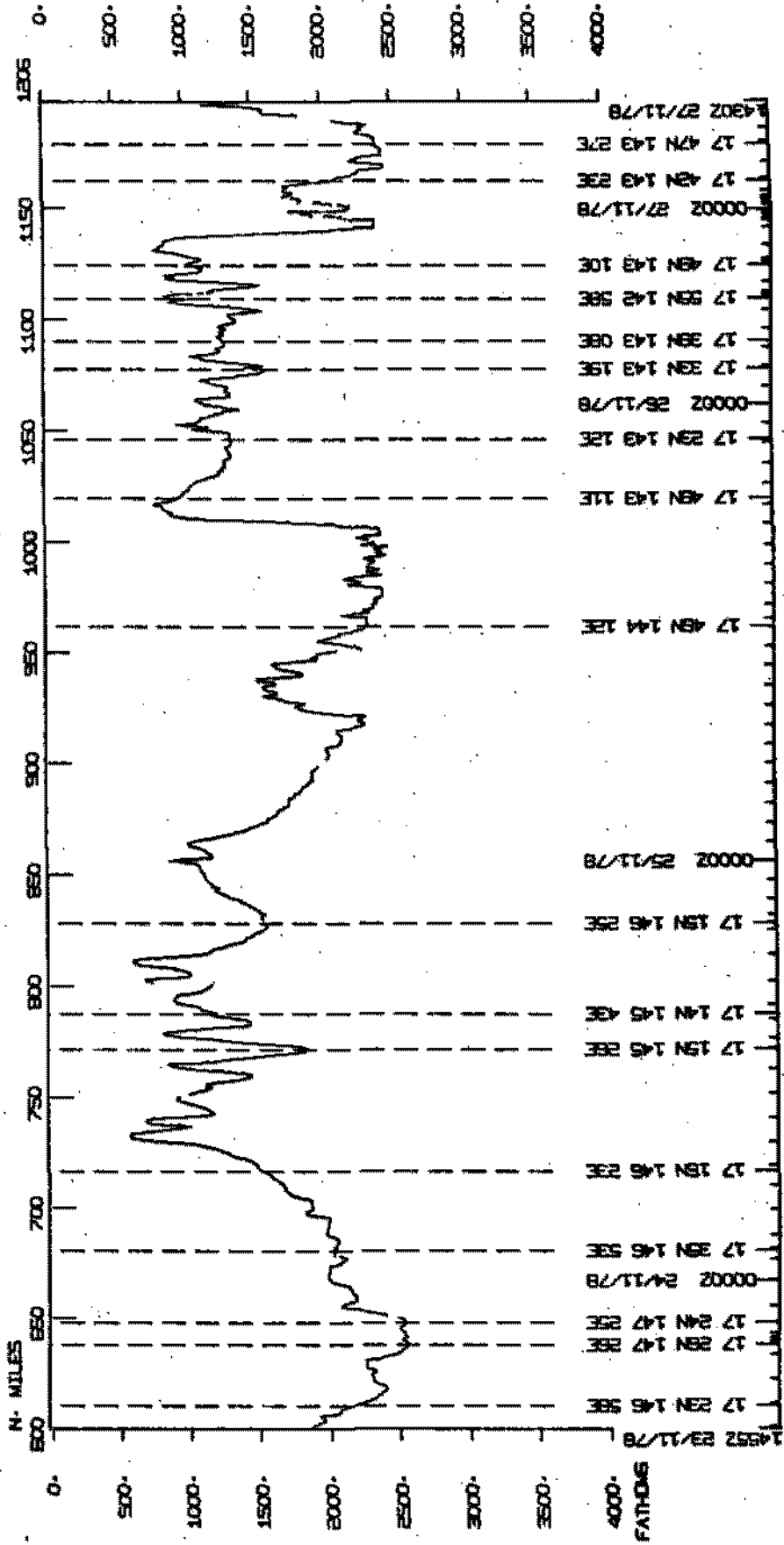
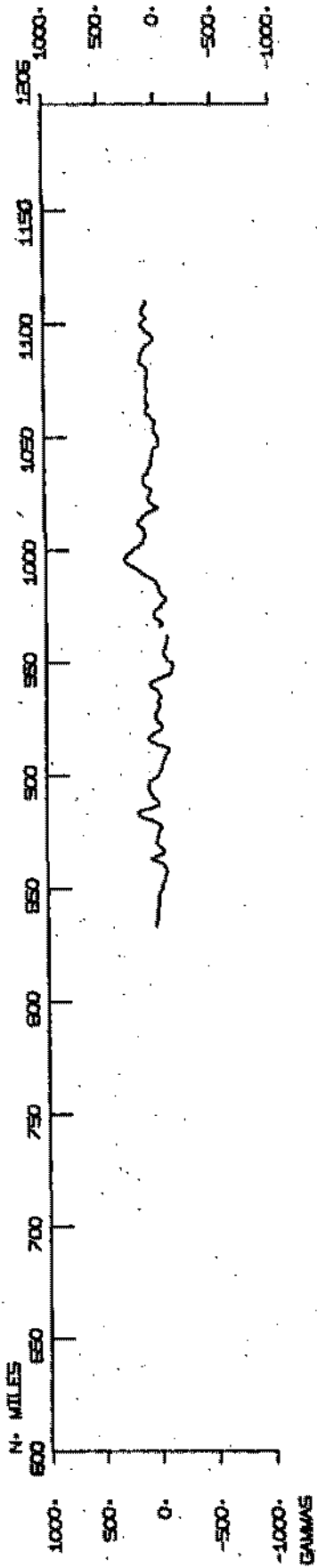
15N

10N

# MARIANA LEG 7

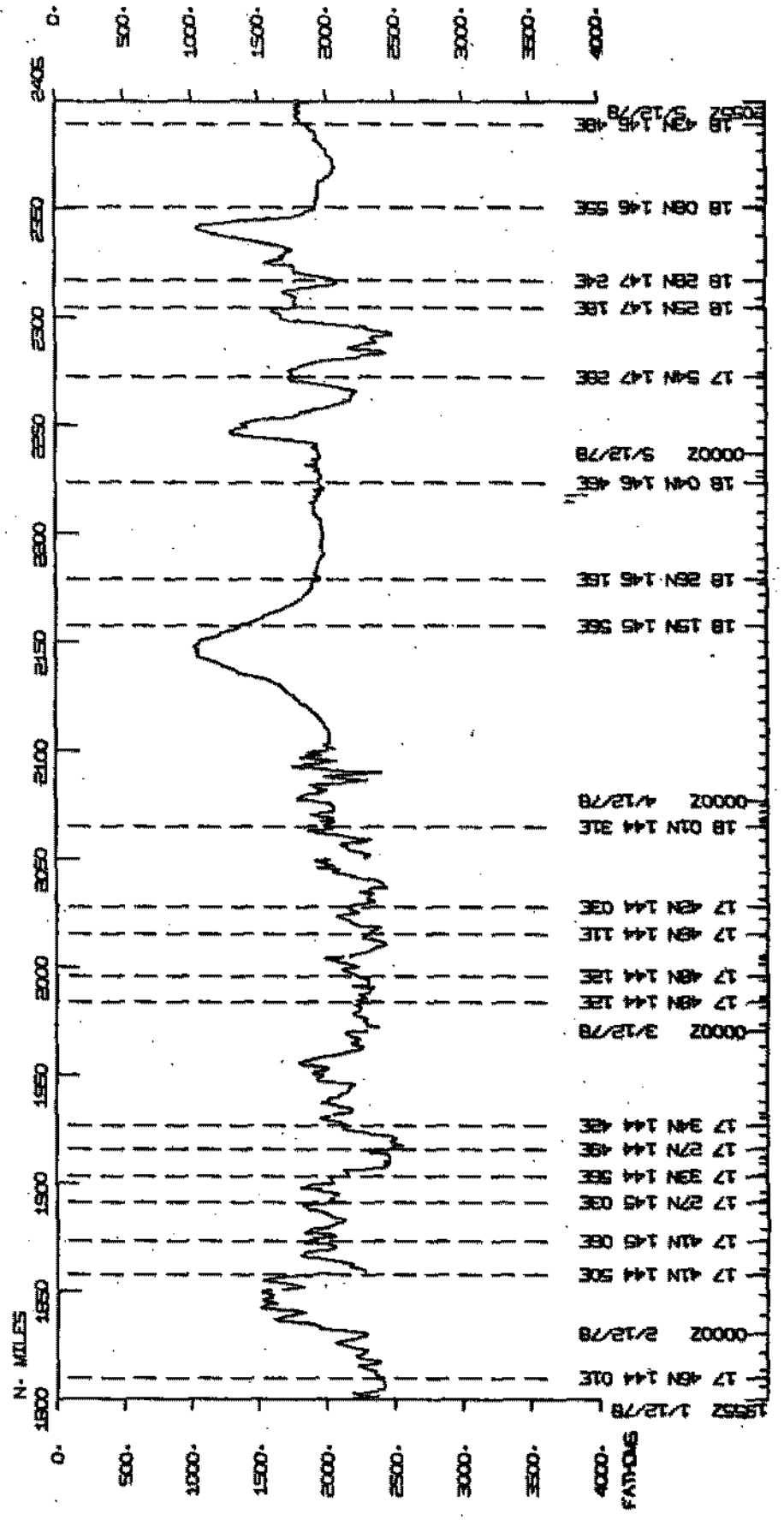
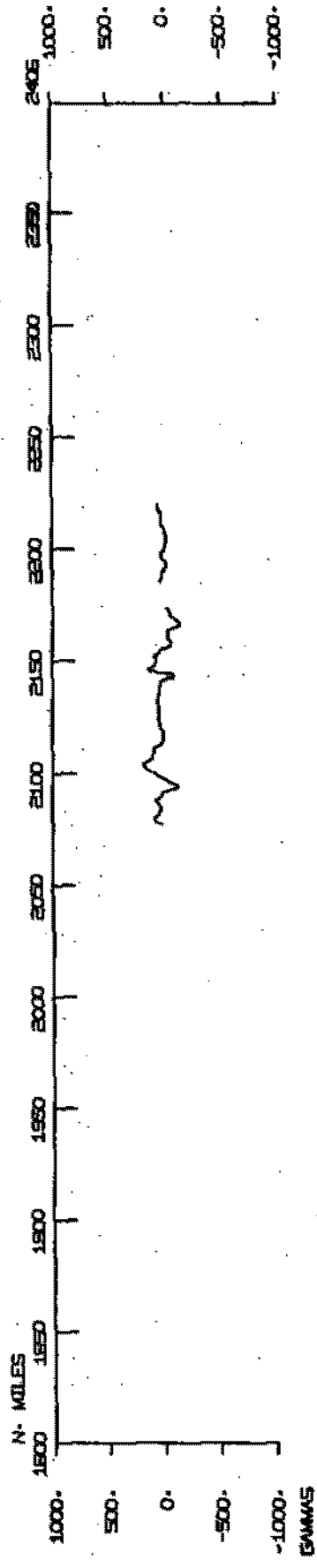


# MARIANA LEG 7



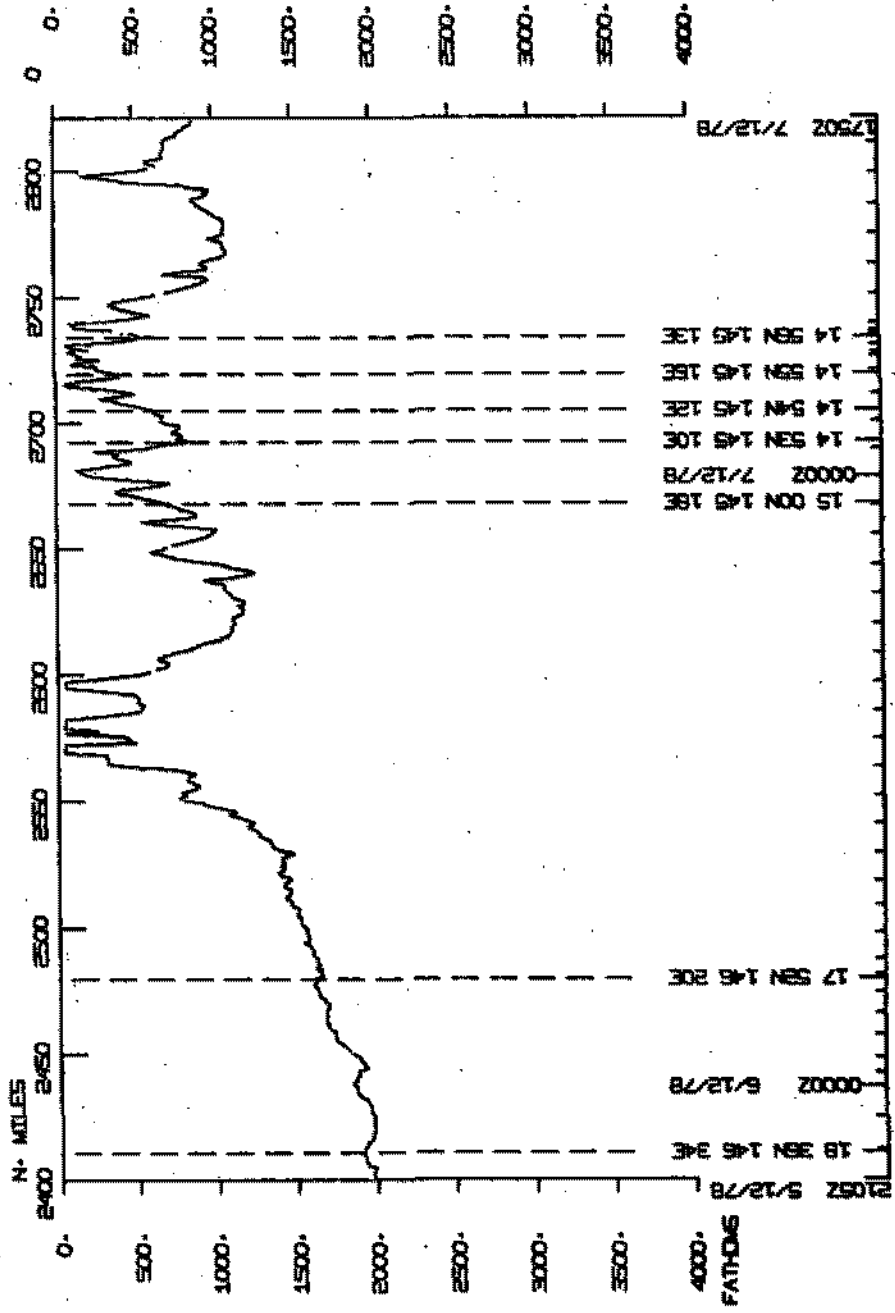
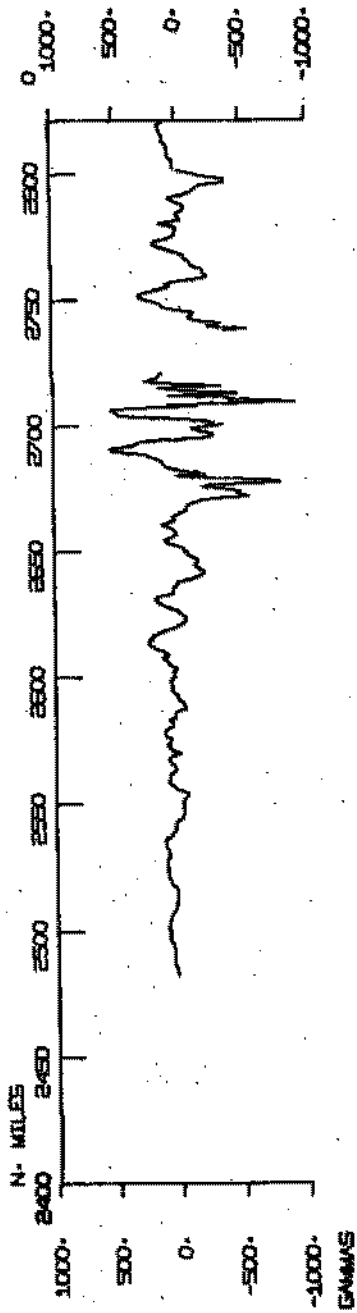


# MARIANA LEG 7





# MARIANA LEG 7



S.I.O. SAMPLE INDEX

(Issued March 1979)

MARIANA EXPEDITION

LEG 7

Agana, Guam (20 November 1979)

to

Agana, Guam (7 December 1979)

R/V T. Washington

Chief Scientist - D. Bibee (SIO)

Resident Marine Tech - R. Wilson

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

Index Encoding Funded by NSF  
Grant Number OCE76-80618

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.)

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

DISP	TYPE											TOTAL	
	CO	DP	DK	EF	GV	LB	MG	PE	SP	SR			
CLU	I							1				1	1
GCK	I	11		6						2		1	19
GDC	I		11			1	1					1	13
HIG	I							1			14	1	15
JHF	I			4								1	4
LMD	I				3						7	1	10
MPL	I							4			33	1	37
MTG	I							1				1	1
URD	I							2				1	2
SCG	I							2				1	2
SIO	I							1				1	1
TAM	I							1				1	1
UCS	I							1				1	1
TOTAL	I	11	11	6	4	3	1	1	14	2	54	1	107

SAMPLE 'TYPE' CODES USED ABOVE

- CO = CORE
- DP = DEPTH
- DK = DKEGGE
- EF = ELECTRIC FIELD
- GV = GRAVITY
- LB = LOG BOOKS
- MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
- PE = PERSONNEL IN SCIENTIFIC PARTY
- SP = SEISMIC REFLECTION PROFILE AIRGUN
- SR = SEISMIC STATION - SHOOTING RUN

SAMPLE 'DISP' CODES USED ABOVE

- CLU = CORNELL UNIVERSITY, ITHACA, N.Y.
- GCK = GEOLOGICAL CURATING FACILITY -- W. RIEDEL, (EXT. 4386)
- GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
- HIG = HAWAIIAN INSTITUTE OF GEOPHYSICS, UNIV. OF HAWAII, HONOLULU
- JHF = J. H. FILLIUX, URD (EXT. 2075)
- LMD = LEROY M. DUKHAN (EXT. 2406)
- MPL = MARINE PHYSICAL LAB. (EXT 2305)
- MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
- URD = OCEAN RE-SEARCH DIVISION (EXT. 2857)
- SCG = SHIPBOARD COMPUTER GROUP (EXT. 4195)
- SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CAL. 92093
- TAM = TEXAS A&M UNIVERSITY
- UCS = UNIV. CALIF. SANTA BARBARA

08MAR79 PAGE 1

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

MARIANA LEG 7 SAMPLE INDEX

MARA07WT

\*\*\* PORTS \*\*\*

0205 20/11/78			LGPT F AGANA, GUAM		13 27.0N	144 37.0E	F MARA07WT
2100 7/12/78			LGPT E AGANA, GUAM		13 27.0N	144 37.0E	F MARA07WT

\*\*\*PERSONNEL\*\*\*

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 D. BIBEE	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
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10 P. ONEILL	S/RES. ASSI.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
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12 M. REICHEL	PROFESSOR	UNIV. CALIF. SANTA BARBARA
13 P. ROPER	TECHNICIAN	TEXAS A&M UNIVERSITY
14 M. SCHNELER	STUDENT	CORNELL UNIVERSITY, ITHACA, N.Y.

\*\*\*NOTES\*\*\* AN 'X' IN THE (R)EGIN/(F)IND 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.  
 (HOOKED 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 YN / Y	LOC LOC	CODE	SAMPLE IDENT.	CODE	08MAR79	PAGE	2
TIME DATE	TIME TZ	SAMP		DISP	LAT.	LONG.	LEG-SHIP
							CRUISE

UNDERWAY DATA CURATOR - STUART M. SMITH (EXT. 2752)

\*\*\* LOG BOOKS \*\*\*

0205	20/11/78		LBHW F UNDERWAY DATA	GDC 13	26.7N	144 38.3E	S MARAO7WT
2100	7/12/78		LBHW F UNDERWAY DATA	GDC 13	47.7N	144 44.7E	S MARAO7WT

\*\*\* FATHOGRAMS \*\*\*

0312	20/11/78		DPK3 B UGR 3.5KHZ R-01	GDC 13	33.8N	144 35.6E	S MARAO7WT
0105	24/11/78		DPK3 F UGR 3.5KHZ R-01	GDC 17	35.0N	146 57.2E	S MARAO7WT
0128	24/11/78		DPK3 B UGR 3.5KHZ R-02	GDC 17	35.0N	146 55.4E	S MARAO7WT
1015	28/11/78		DPK3 F UGR 3.5KHZ R-02	GDC 17	45.5N	143 06.2E	S MARAO7WT
1025	28/11/78		DPK3 B UGR 3.5KHZ R-03	GDC 17	44.0N	143 06.2E	S MARAO7WT
1700	2/12/78		DPK3 E UGR 3.5KHZ R-03	GDC 17	34.4N	144 42.8E	S MARAO7WT
1806	2/12/78		DPK3 B UGR 3.5KHZ R-04	GDC 17	31.1N	144 41.5E	S MARAO7WT
1623	6/12/78		DPK3 E UGR 3.5KHZ R-04	GDC 16	08.3N	145 57.9E	S MARAO7WT
1641	6/12/78		DPK3 B UGR 3.5KHZ R-05	GDC 16	05.2N	145 56.3E	S MARAO7WT
2100	7/12/78		DPK3 E UGR 3.5KHZ R-05	GDC 13	47.7N	144 44.7E	S MARAO7WT
0316	20/11/78		DPRT R GDR 12 KHZ R-01	GDC 13	34.6N	144 35.6E	S MARAO7WT
1748	22/11/78		DPRT E GDR 12 KHZ R-01	GDC 17	16.3N	146 23.6E	S MARAO7WT
1334	27/11/78		DPRT R GDR 12 KHZ R-02	GDC 17	57.4N	143 31.9E	S MARAO7WT
0737	29/11/78		DPRT E GDR 12 KHZ R-02	GDC 17	07.5N	143 04.3E	S MARAO7WT
0748	29/11/78		DPRT R GDR 12 KHZ R-03	GDC 17	08.2N	143 04.2E	S MARAO7WT
0409	2/12/78		DPRT E GDR 12 KHZ R-03	GDC 17	42.4N	144 53.5E	S MARAO7WT
0412	2/12/78		DPRT R GDR 12 KHZ R-04	GDC 17	42.4N	144 54.0E	S MARAO7WT
1713	3/12/78		DPRT E GDR 12 KHZ R-04	GDC 18	02.1N	144 31.9E	S MARAO7WT
1949	3/12/78		DPRT B GDR 12 KHZ R-05	GDC 18	01.2N	144 31.9E	S MARAO7WT
2137	4/12/78		DPRT E GDR 12 KHZ R-05	GDC 18	04.2N	146 45.9E	S MARAO7WT
2145	4/12/78		DPRT B GDR 12 KHZ R-06	GDC 18	04.3N	146 45.7E	S MARAO7WT
0500	7/12/78		DPRT E GDR 12 KHZ R-06	GDC 14	57.6N	145 16.0E	S MARAO7WT

\*\*\* MAGNETOMETER \*\*\*

0507	20/11/78		MGR R MAGNETICS R-01	GDC 13	55.0N	144 35.4E	S MARAO7WT
2019	10/12/78		MGR E MAGNETICS R-01	GDC 13	47.7N	144 44.7E	S MARAO7WT

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

\*\*\*GRAVIMETRIC RECORDS\*\*\* LURATOR L.M. DORMAN (EXT.2406)

0205 20/11/78		GVR	P GRAVITYMETER R-01	LMD	13 26.7N	144 38.3E	S MARA07WT
0530 27/11/78		GVR	E GRAVITYMETER R-01	LMD	17 41.6N	143 22.7E	S MARA07WT
0543 27/11/78		GVR	P GRAVITYMETER R-02	LMD	17 41.4N	143 22.6E	S MARA07WT
0010 7/12/78		GVR	E GRAVITYMETER R-02	LMD	14 57.9N	145 15.1E	S MARA07WT
0030 7/12/78		GVR	B GRAVITYMETER R-03	LMD	14 56.5N	145 18.6E	S MARA07WT
2100 7/12/78		GVR	E GRAVITYMETER R-03	LMD	13 47.7N	144 44.7E	S MARA07WT

\*\*\* SEISMIC REFLECTION PROFILES \*\*\*

0515 20/11/78		SPRS	B AIRGUN SLOW R-01	GCR	13 55.8N	144 35.4E	S MARA07WT
2018 7/12/78		SPRS	E AIRGUN SLOW R-01	GCR	13 47.7N	144 44.7E	S MARA07WT

0515 20/11/78		SPRF	B AIRGUN FAST R-01	GCR	13 55.8N	144 35.4E	S MARA07WT
2018 7/12/78		SPRF	E AIRGUN FAST R-01	GCR	13 47.7N	144 44.7E	S MARA07WT

\*\*\* SEISMIC REFRACTION STATION \*\*\*

1925 28/11/78		SRKK	H STA 1-1	MPL	16 49.4N	143 11.8E	S MARA07WT
2018 28/11/78		SRKK	E STA 1-1	MPL	16 49.7N	143 19.1E	S MARA07WT

0410 29/11/78		SRKK	H STA 1-2	MPL	16 51.9N	143 06.0E	S MARA07WT
1928 29/11/78		SRKK	E STA 1-2	MPL	16 48.8N	143 30.4E	S MARA07WT

1433 29/11/78		SRKK	H STA 2	MPL	17 34.8N	143 30.0E	S MARA07WT
1928 29/11/78		SRKK	E STA 2	MPL	16 48.8N	143 30.4E	S MARA07WT

1409 30/11/78		SRKK	H STA 3	MPL	17 39.6N	143 29.5E	S MARA07WT
1539 30/11/78		SRKK	E STA 3	MPL	17 48.0N	143 25.5E	S MARA07WT

1549 30/11/78		SRKK	H STA 4	MPL	17 48.4N	143 24.5E	S MARA07WT
1809 30/11/78		SRKK	E STA 4	MPL	17 45.0N	143 07.9E	S MARA07WT

1814 30/11/78		SRKK	H STA 5	MPL	17 44.3N	143 07.9E	S MARA07WT
2059 30/11/78		SRKK	E STA 5	MPL	17 19.3N	143 08.8E	S MARA07WT

\*\*\* OCEAN BOTTOM SEISMOMETER \*\*\*

0205 20/11/78		SR0H	C OBS Q	4287	HIG	17 41.6N	144 42.5E	F MARA07WT
0853 21/11/78		SR0H	E OBS Q	4287	HIG	17 41.6N	144 42.5E	S MARA07WT
0205 20/11/78		SR0H	C OBS L	3097	HIG	17 38.6N	144 37.4E	F MARA07WT
1046 21/11/78		SR0H	E OBS L	3097	HIG	17 38.6N	144 37.4E	S MARA07WT
0205 20/11/78		SR0B	C OBS P	3631	HIG	17 28.6N	144 43.1E	F MARA07WT
1214 21/11/78		SR0B	E OBS P	3631	HIG	17 28.6N	144 43.1E	S MARA07WT
0205 20/11/78		SR0H	C OBS A	3528	HIG	17 28.4N	144 56.2E	F MARA07WT

GRIP TYPE	D / M / Y DATE	LIV. UNL TYPE Tz	GROUP SAMP	SUCCEP DEPTH	165 m. 79		PAGE	*	LEG-SHIP CRUISE				
					GROUP DESC	LAB.				LONG.			
1453	21/11/78		SRUB	L OBS	z	3528	HIG	17	28.4M	144	56.2E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	V	3827	HIG	17	35.1M	145	01.3E	F	PARAO7BT
1715	21/11/78		SRUB	F OBS	V	3827	HIG	17	35.1M	145	01.3E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	J	4064	HIG	17	41.2M	144	54.1E	F	PARAO7BT
1909	21/11/78		SRUB	F OBS	J	4064	HIG	17	41.2M	144	54.1E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	Y	3500	HIG	17	41.0M	145	01.1E	F	PARAO7BT
0653	2/12/78		SRUB	F OBS	Y	3500	HIG	17	41.0M	145	01.1E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	W	3815	HIG	17	28.4M	145	03.3E	F	PARAO7BT
0945	2/12/78		SRUB	E OBS	W	3815	HIG	17	28.4M	145	03.3E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	G	4014	HIG	17	34.1M	144	56.0E	F	PARAO7BT
1215	2/12/78		SRUB	F OBS	G	4014	HIG	17	34.1M	144	56.0E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	S	4534	HIG	17	33.5M	144	51.8E	F	PARAO7BT
1339	2/12/78		SRUB	F OBS	S	4534	HIG	17	33.5M	144	51.8E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	E	4692	HIG	17	28.2M	144	49.8E	F	PARAO7BT
1516	2/12/78		SRUB	E OBS	E	4692	HIG	17	28.2M	144	49.8E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	E	3941	HIG	17	34.2M	144	43.0E	F	PARAO7BT
1723	2/12/78		SRUB	F OBS	E	3941	HIG	17	34.2M	144	43.0E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	U	3840	HIG	17	30.2M	144	36.6E	F	PARAO7BT
1940	2/12/78		SRUB	F OBS	U	3840	HIG	17	30.2M	144	36.6E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	L		HIG	17	33.5M	144	51.6E	F	PARAO7BT
1255	2/12/78		SRUB	X OBS	L		HIG	17	33.5M	144	51.6E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	P		HIG	17	33.5M	144	51.5E	F	PARAO7BT
1256	2/12/78		SRUB	X OBS	P		HIG	17	33.5M	144	51.5E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS	I	4074	HIG	17	46.3M	144	08.3E	F	PARAO7BT
0935	3/12/78		SRUB	F OBS	I	4074	HIG	17	46.3M	144	08.3E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS			LMD	17	00.5M	146	57.6E	F	PARAO7BT
0836	23/11/78		SRUB	F OBS			LMD	17	00.5M	146	57.6E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS			LMD	17	24.8M	147	24.0E	F	PARAO7BT
2138	25/11/78		SRUB	F OBS			LMD	17	24.8M	147	24.0E	S	PARAO7BT
1314	26/11/78		SRUB	F OBS			LMD	17	48.4M	143	09.3E	S	PARAO7BT
0928	1/12/78		SRUB	F OBS			LMD	17	48.9M	143	09.1E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS			LMD	17	16.2M	146	23.0E	F	PARAO7BT
2038	24/11/78		SRUB	F OBS			LMD	17	16.2M	146	23.0E	S	PARAO7BT
0205	20/11/78		SRUB	C OBS			LMD	17	35.6M	146	53.6E	F	PARAO7BT
0202	24/11/78		SRUB	F OBS			LMD	17	35.6M	146	53.6E	S	PARAO7BT
0017	27/11/78		SRUB	F OBS			LMD	17	48.0M	143	28.3E	S	PARAO7BT
0438	1/12/78		SRUB	F OBS			LMD	17	48.0M	143	28.1E	S	PARAO7BT
0712	28/11/78		SRUB	F OBS			LMD	17	46.4M	143	06.3E	S	PARAO7BT
0215	1/12/78		SRUB	F OBS			LMD	17	46.2M	143	06.6E	S	PARAO7BT

\*\*\* PROPERTY OF UNIV. OF TEXAS, MARINE SCIENCES INST. \*\*\*

0802	26/10/78		SRUB	C TEXAS	OBS	3135	SIX	13	26.6M	144	39.6E	S	PARAO7BT
0941	5/12/78		SRUB	F TEXAS	OBS		SIX	17	54.9M	147	28.0E	S	PARAO7BT
0802	26/10/78		SRUB	C TEXAS	OBS	3654	SIX	13	26.6M	144	39.6E	S	PARAO7BT
1515	5/12/78		SRUB	X TEXAS	OBS		SIX	18	10.2M	146	52.6E	S	PARAO7BT
0802	26/10/78		SRUB	C TEXAS	OBS	3755	SIX	13	26.6M	144	39.6E	S	PARAO7BT



GMT TIME	D / M / Y DATE	LIC TIME	LIC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1102	5/12/78			SKUB	F TEXAS OBS	SIX	18 28.9N	147 24.1E	S MARAO 781
0802	26/10/78			SKUB	C TEXAS OBS	SIX	13 26.6N	144 39.6E	S MARAO 781
2018	5/12/78			SKUB	F TEXAS OBS	SIX	18 46.3N	146 51.3E	S MARAO 781
0802	26/10/78			SKUB	C TEXAS OBS	SIX	13 26.6N	144 39.6E	S MARAO 781
0132	6/12/78			SKUB	E TEXAS OBS	SIX	18 26.2N	146 15.6E	S MARAO 781
0802	26/10/78			SKUB	C TEXAS OBS	SIX	13 26.6N	144 39.6E	S MARAO 781
0610	6/12/78			SKUB	E TEXAS OBS	SIX	17 52.2N	146 21.2E	S MARAO 781

\*\*\* SUNDUBOY \*\*\*

0446	29/11/78			SKUB	SUNDUBOY A	NPL	16 52.0N	143 05.6E	S MARAO 781
0507	29/11/78			SKUB	SUNDUBOY B	NPL	16 53.9N	143 05.4E	S MARAO 781
0529	29/11/78			SKUB	SUNDUBOY C	NPL	16 56.0N	143 05.2E	S MARAO 781
0546	29/11/78			SKUB	SUNDUBOY D	NPL	16 57.6N	143 05.1E	S MARAO 781
0605	29/11/78			SKUB	SUNDUBOY E	NPL	16 59.5N	143 04.9E	S MARAO 781
0627	29/11/78			SKUB	SUNDUBOY F	NPL	17 01.6N	143 04.6E	S MARAO 781
0652	29/11/78			SKUB	SUNDUBOY G	NPL	17 03.8N	143 04.5E	S MARAO 781
0707	29/11/78			SKUB	SUNDUBOY H	NPL	17 05.0N	143 04.5E	S MARAO 781
0737	29/11/78			SKUB	SUNDUBOY I	NPL	17 07.5N	143 04.3E	S MARAO 781
0836	29/11/78			SKUB	SUNDUBOY J	NPL	17 12.6N	143 04.3E	S MARAO 781
1045	29/11/78			SKUB	SUNDUBOY K	NPL	17 32.9N	143 30.2E	S MARAO 781
1515	29/11/78			SKUB	SUNDUBOY L	NPL	17 28.3N	143 30.6E	S MARAO 781
1540	29/11/78			SKUB	SUNDUBOY M	NPL	17 24.4N	143 30.8E	S MARAO 781
1605	29/11/78			SKUB	SUNDUBOY N	NPL	17 20.5N	143 30.5E	S MARAO 781
1640	29/11/78			SKUB	SUNDUBOY O	NPL	17 15.0N	143 30.0E	S MARAO 781
1710	29/11/78			SKUB	SUNDUBOY P	NPL	17 10.1N	143 29.7E	S MARAO 781
1747	29/11/78			SKUB	SUNDUBOY Q	NPL	17 06.2N	143 29.3E	S MARAO 781
1836	29/11/78			SKUB	SUNDUBOY R	NPL	16 56.6N	143 29.2E	S MARAO 781
1905	30/11/78			SKUB	SUNDUBOY AA	NPL	17 59.1N	143 29.5E	S MARAO 781
1950	30/11/78			SKUB	SUNDUBOY BB	NPL	17 48.4N	143 24.4E	S MARAO 781
1940	30/11/78			SKUB	SUNDUBOY CC	NPL	17 48.1N	143 17.6E	S MARAO 781
1928	30/11/78			SKUB	SUNDUBOY DD	NPL	17 42.5N	143 08.0E	S MARAO 781
1920	30/11/78			SKUB	SUNDUBOY EE	NPL	17 34.2N	143 08.3E	S MARAO 781
2002	30/11/78			SKUB	SUNDUBOY FF	NPL	17 27.8N	143 08.5E	S MARAO 781
1956	1/12/78			SKUB	SUNDUBOY AAA	NPL	17 45.4N	143 14.9E	S MARAO 781
1912	1/12/78			SKUB	SUNDUBOY BBB	NPL	17 45.3N	143 16.5E	S MARAO 781
1855	1/12/78			SKUB	SUNDUBOY CCC	NPL	17 44.8N	143 33.3E	S MARAO 781

\*\*\* COGS \*\*\*

0355	22/11/78			COG	PISTON 10 4641	GCR	17 56.6N	144 51.6E	S MARAO 781
0355	22/11/78			COG	PISTON TRIP 4641	GCR	17 56.6N	144 51.6E	S MARAO 781
0353	22/11/78			COG	PISTON 10 4641	GCR	17 56.6N	144 51.6E	S MARAO 781
0353	22/11/78			COG	GRAVITY TRIP 10	GCR	17 56.6N	144 51.6E	S MARAO 781
1726	24/11/78			COG	GRAVITY 11 3436	GCR	17 15.1N	145 26.6E	S MARAO 781
0957	26/11/78			COG	PISTON 11 2078	GCR	17 53.9N	142 59.4E	S MARAO 781
0932	26/11/78			COG	PISTON TRIP 2078	GCR	17 53.9N	142 59.4E	S MARAO 781
0227	28/11/78			COG	GRAVITY 12 343	GCR	17 42.0N	142 48.4E	S MARAO 781
0350	29/11/78			COG	GRAVITY 13 1045	GCR	16 54.7N	143 06.0E	S MARAO 781
0733	3/12/78			COG	GRAVITY 14 3682	GCR	17 56.2N	144 09.5E	S MARAO 781
1021	3/12/78			COG	GRAVITY 15 3602	GCR	18 02.6N	144 31.9E	S MARAO 781

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GMT U/P/Y	LOC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	CRUISE
TIME DATE	TIME T2	SAMP		DISP			

\*\*\* DREDGE \*\*\* CURATOR - W. BIEHL EXT. 4386

0155	20/11/78		DRK B DREDGE 41	4045	GCK 13	26.6N	144 38.5E	S PAKAO7WT
0418	20/11/78		DRK F DREDGE 41	2965	GCK 13	47.1N	144 35.4E	S PAKAO7WT
1909	26/11/78		DRK B DREDGE 42	6026	GCK 17	47.1N	143 24.1E	S PAKAO7WT
2201	26/11/78		DRK F DREDGE 42	5512	GCK 17	45.7N	143 23.3E	S PAKAO7WT
0445	27/11/78		DRK B DREDGE 43	4126	GCK 17	44.5N	143 25.1E	S PAKAO7WT
0508	27/11/78		DRK F DREDGE 43	3630	GCK 17	41.7N	143 22.9E	S PAKAO7WT
1435	27/11/78		DRK B DREDGE 44	3850	GCK 17	59.7N	143 29.6E	S PAKAO7WT
1710	27/11/78		DRK F DREDGE 44	3950	GCK 17	59.5N	143 29.0E	S PAKAO7WT
0522	7/12/78		DRK B DREDGE 45	294	GCK 14	57.5N	145 16.5E	S PAKAO7WT
0610	7/12/78		DRK F DREDGE 45	165	GCK 14	56.9N	145 17.8E	S PAKAO7WT
0603	7/12/78		DRK B DREDGE 46	1130	GCK 14	57.2N	145 13.7E	S PAKAO7WT
0940	7/12/78		DRK F DREDGE 46	840	GCK 14	56.1N	145 14.3E	S PAKAO7WT

\*\*\*ELECTRIC FIELD\*\*\* CURATOR J. FILLoux (EXT.2075)

0205	20/11/78		EFVF C EL.FLD.75-5	3812	JHF 18	01.0N	144 31.5E	F PAKAO7WT
2214	3/12/78		EFVF F EL.FLD.75-5	3812	JHF 18	01.0N	144 31.5E	S PAKAO7WT
0205	20/11/78		EFVF C EL.FLD.75-4	3812	JHF 18	00.9N	144 32.0E	F PAKAO7WT
2242	3/12/78		EFVF F EL.FLD.75-4	3812	JHF 18	00.9N	144 32.0E	S PAKAO7WT
0205	20/11/78		EFVF C PK 77-1	3764	JHF 18	00.1N	144 32.5E	F PAKAO7WT
2305	3/12/78		EFVF F PK 77-1	3764	JHF 18	00.1N	144 32.5E	S PAKAO7WT
0205	20/11/78		EFVF C VEF 77-1	3757	JHF 17	59.7N	144 32.6E	F PAKAO7WT
2325	3/12/78		EFVF F VEF 77-1	3757	JHF 17	59.7N	144 32.6E	S PAKAO7WT

5900

FIELD SAMPLE INDEX

PAKAO7WT