INFORMAL REPORT AND INDEX OF

NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

(Issued January 1979)

MARIANA EXPEDITION

LEG 6

Agana, Guam (26 October 1978)

Agana, Guam (15 November 1978)

R/V T. Washington

Chief Scientist - J. Hawkins (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 78-17823
Data Processing Funded by SIA, NSF, ONR and IDOE SEATAR

GDC Cruise I.D.# - 176

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:

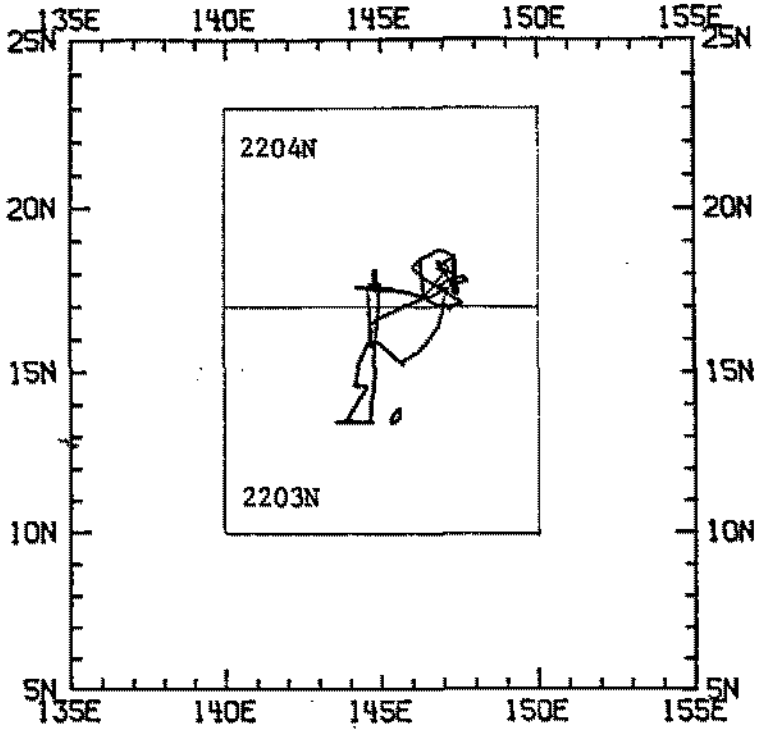
   a. Echosounder records - 12 and 3.5 kHz frequency

   b. Subbottom profiler records (airgun)

   c. Magnetometer records

   d. Underway Data Log

* Gravity - Contact L. M. Dorman (ext.2406) for status



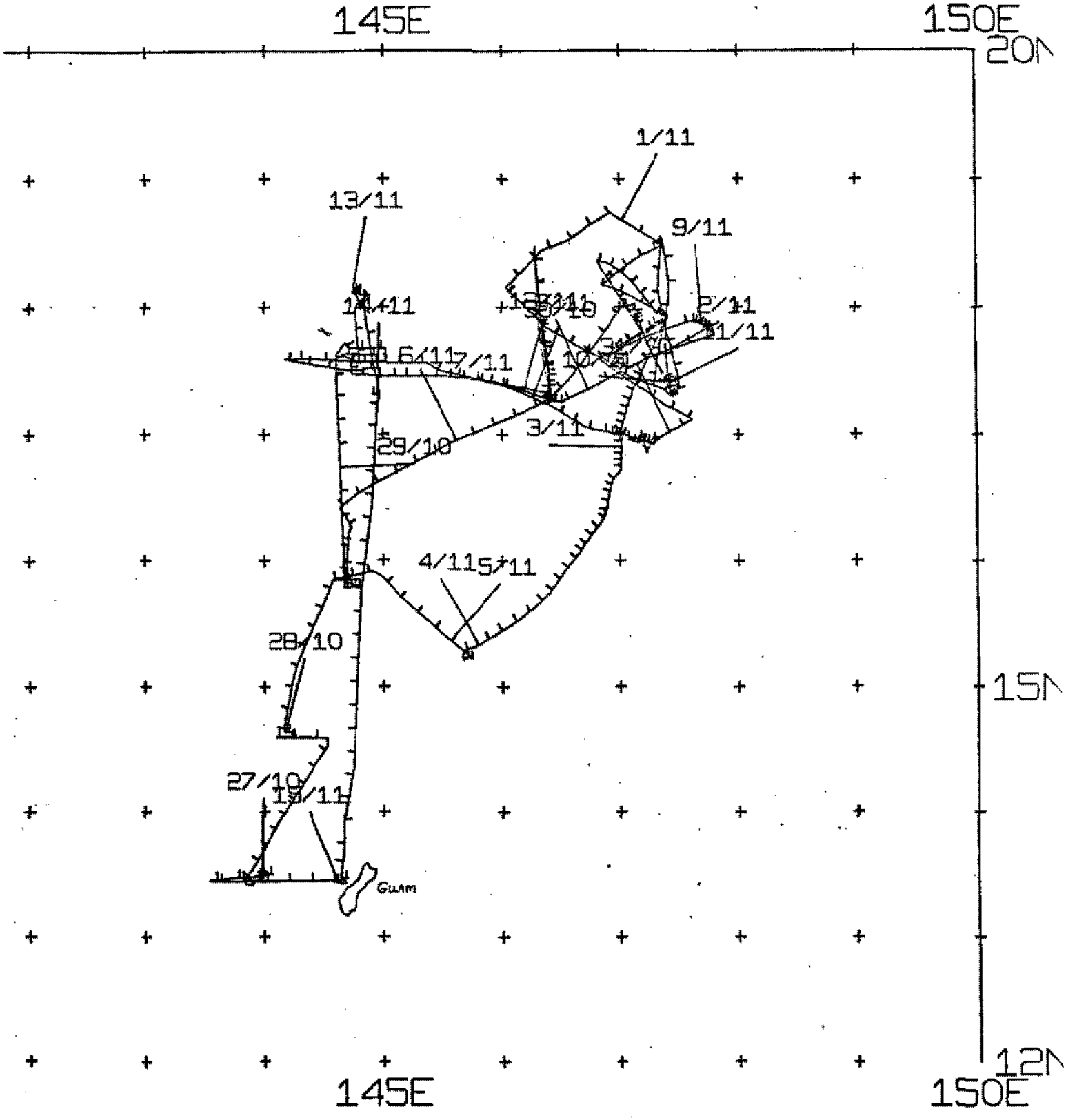
MARIANA EXPEDITION LEG 6

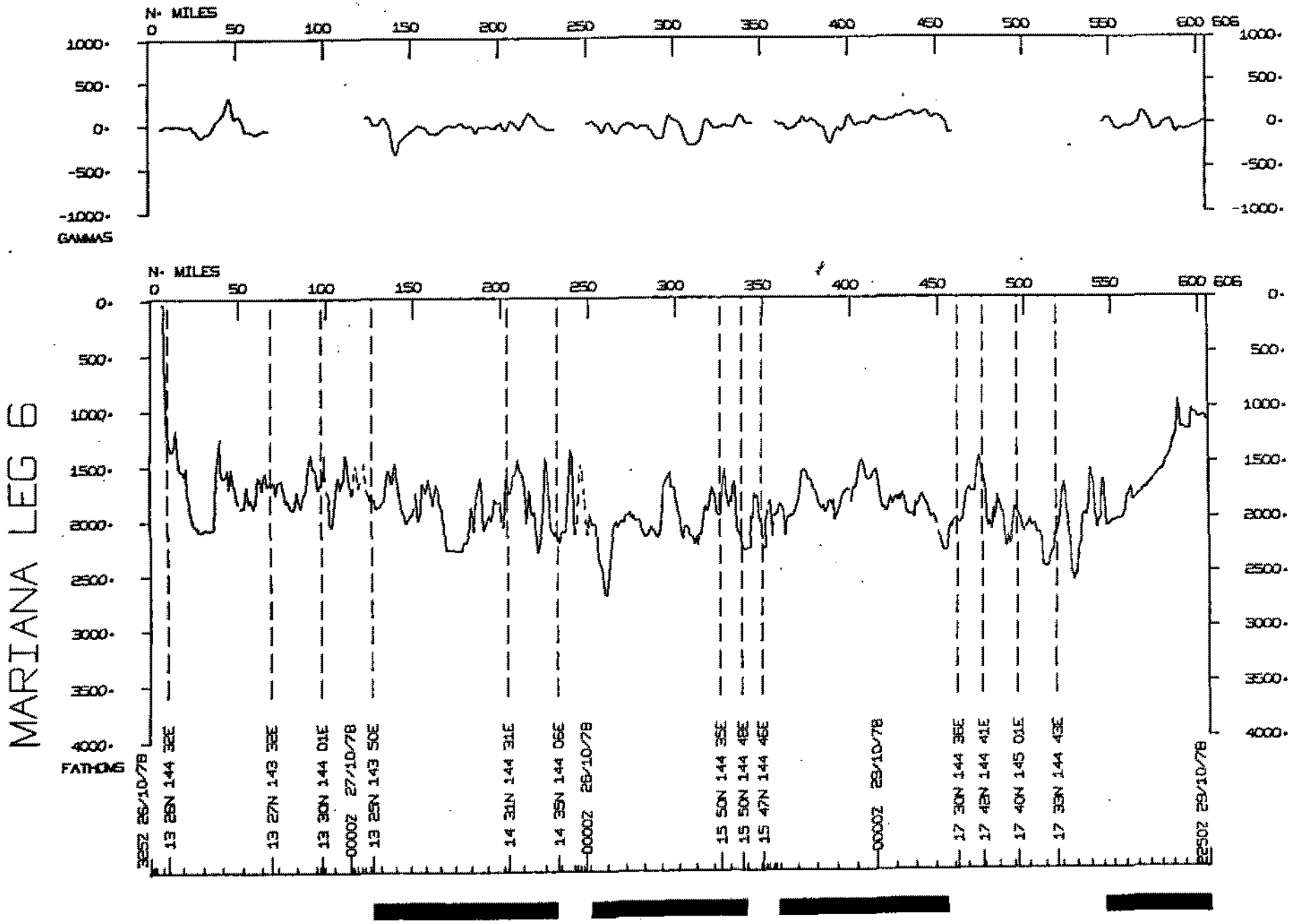
Chief Scientist - J. Hawkins (SIO)
Ports - Agana to Agana, Guam
Dates - 26 October to 15 November 1978
Ship - R/V T. Washington

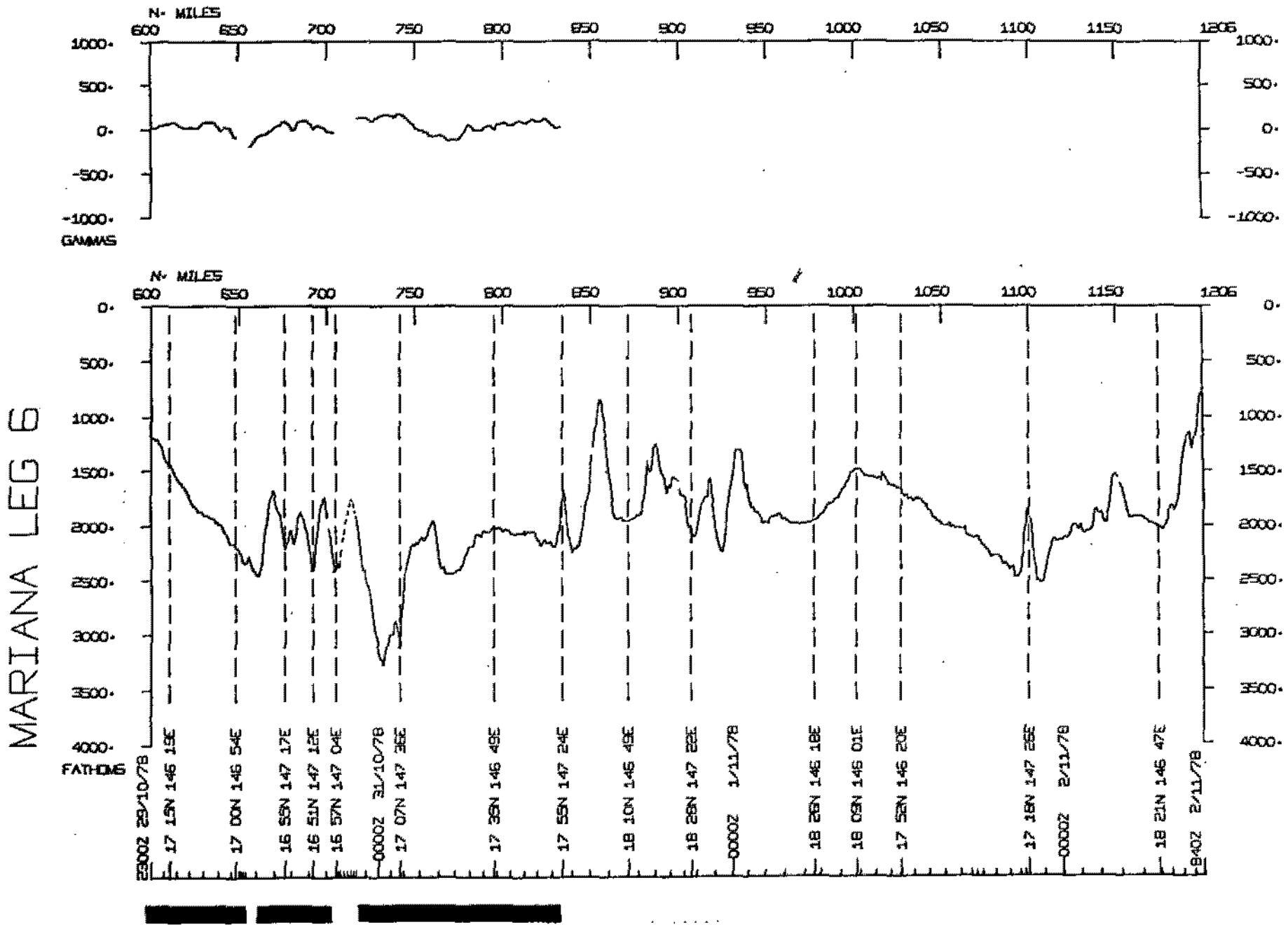
TOTAL MILEAGE

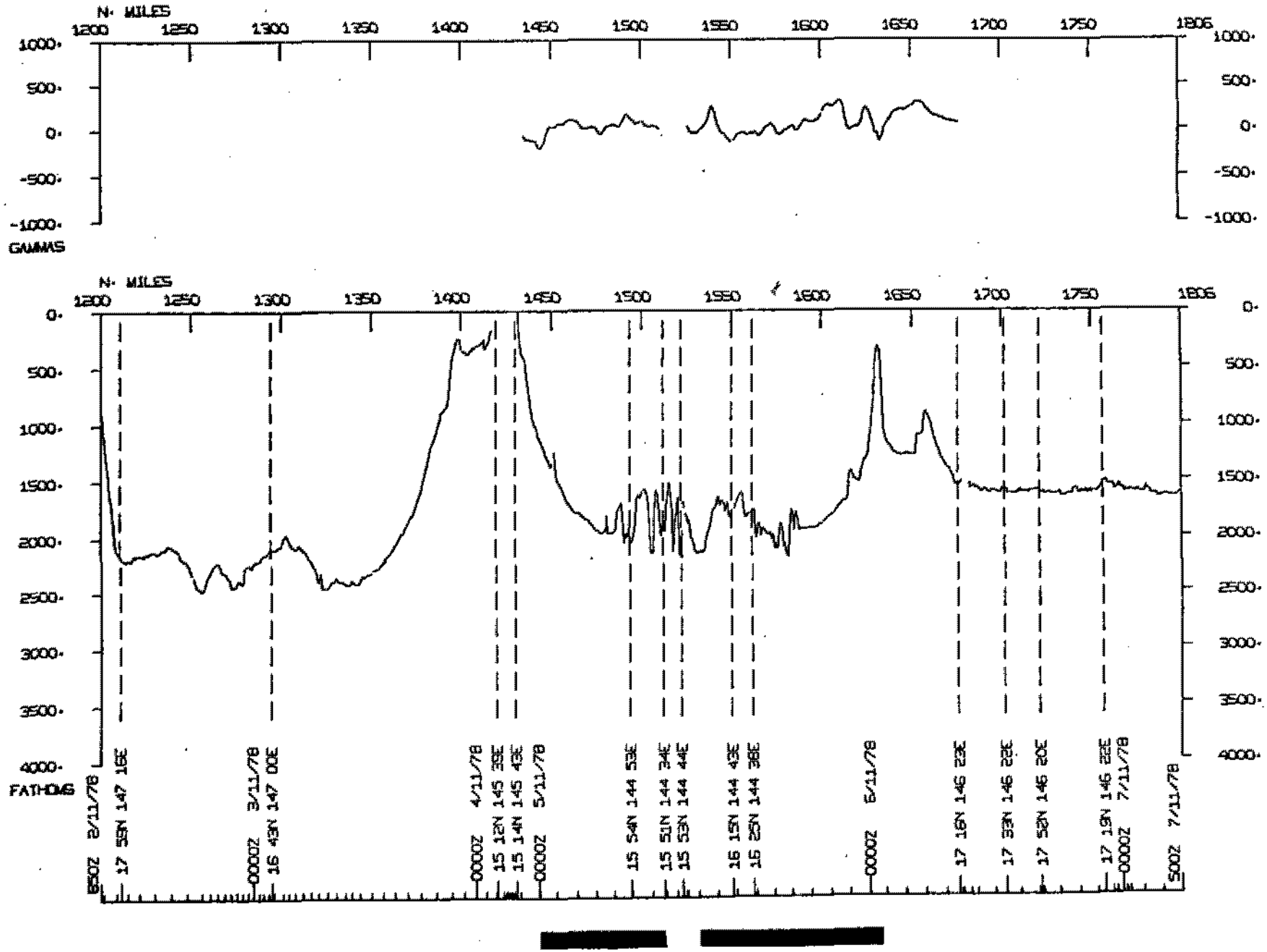
1) Cruise - 3055 miles
2) Bathymetry - 3009 miles
3) Magnetics - 1435 miles
4) Seismic Reflection - 942 miles
5) Gravity - collected

MARA06WT TRACK PLOT (1 OF 1)

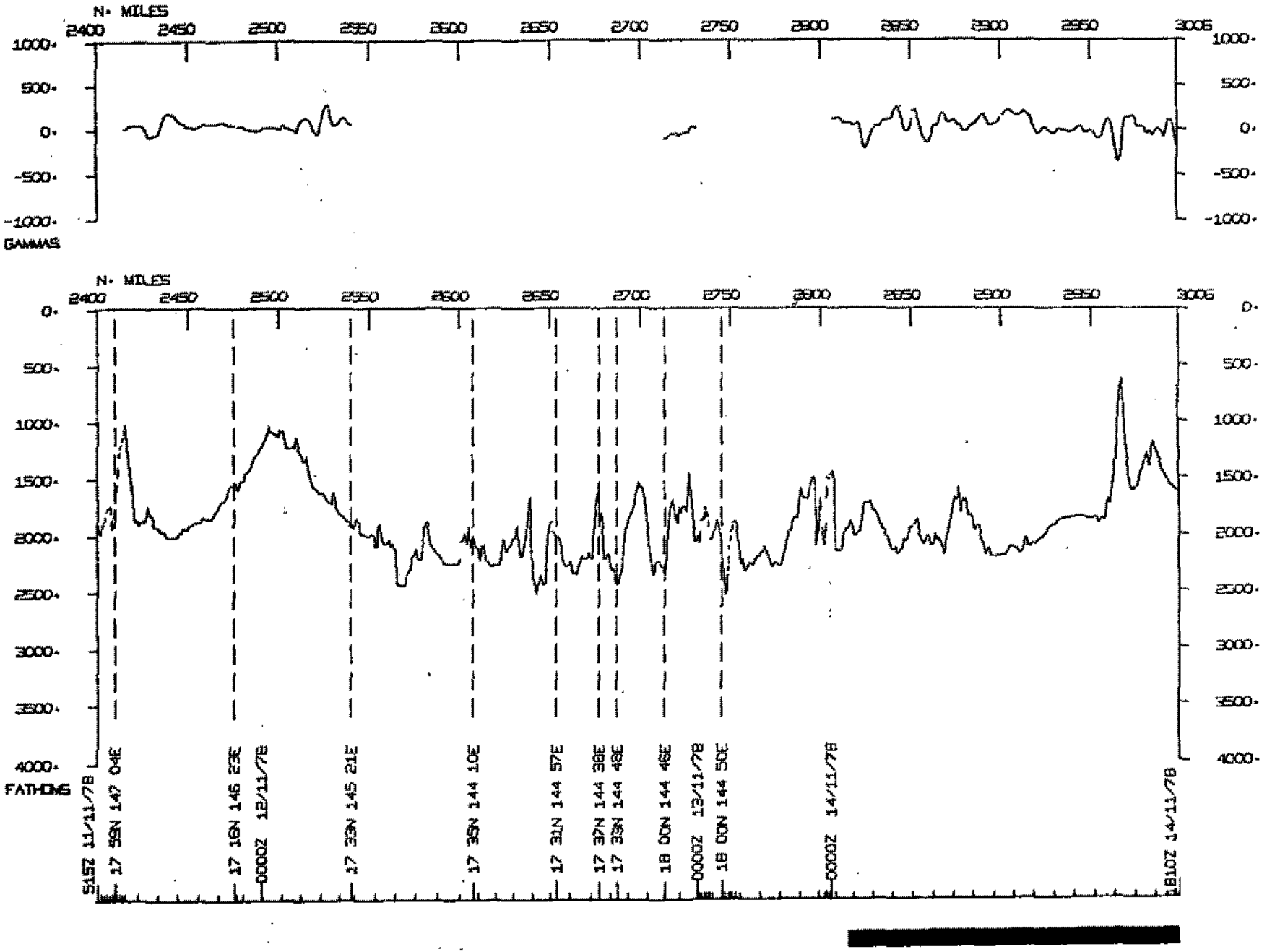



MARIANA LEG 6
N. MILES
0 50 100 150 200 250 300 350 400 450 500 550 600 606
1000
500
0
-500
-1000
GAMMAS
N. MILES
0 50 100 150 200 250 300 350 400 450 500 550 600 606
0
500
1000
1500
2000
2500
3000
3500
4000
FATHOMS
325Z 26/10/78
13 28N 144 32E
13 27N 143 32E
13 30N 144 01E
00002 27/10/78
13 25N 143 50E
14 31N 144 31E
14 35N 144 06E
00002 26/10/78
15 50N 144 35E
15 50N 144 48E
15 47N 144 46E
00002 29/10/78
17 30N 144 36E
17 42N 144 41E
17 40N 145 01E
17 33N 144 43E
2250Z 29/10/78


MARIANA LEG 6
N. MILES
600 650 700 750 800 850 900 950 1000 1050 1100 1150 1206
1000 500 0 -500 -1000
GAMMAS
N. MILES
600 650 700 750 800 850 900 950 1000 1050 1100 1150 1206
0 500 1000 1500 2000 2500 3000 3500 4000
FATHOMS
23002 25/10/78
17 15N 146 15E
17 00N 146 54E
16 55N 147 17E
16 51N 147 12E
16 57N 147 04E
00002 31/10/78
17 07N 147 38E
17 38N 146 49E
17 55N 147 24E
18 10N 146 49E
18 28N 147 22E
00002 1/11/78
18 26N 146 18E
18 08N 146 01E
17 52N 146 20E
17 18N 147 25E
00002 2/11/78
18 21N 146 47E
8402 2/11/78


MARIANA LEG 6
N. MILES
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1806
1000
500
0
-500
-1000
GAMMAS
0
500
1000
1500
2000
2500
3000
3500
4000
FATHOMS
2/11/78 17 35N 147 16E
3/11/78 16 43N 147 00E
4/11/78 15 12N 145 35E
15 14N 145 43E
5/11/78 15 54N 144 53E
15 51N 144 34E
15 53N 144 44E
16 15N 144 43E
15 25N 144 38E
6/11/78
17 16N 146 23E
17 33N 146 22E
17 52N 146 20E
17 19N 146 22E
7/11/78

MARIANA LEG 6
N. MILES
FATHOMS
GAMMAS
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
2400
0
500
1000
1500
2000
2500
3000
3500
4000
-500
-1000
1000Z 7/11/78
18 03N 146 18E
18 27N 146 16E
17 47N 146 18E
17 31N 146 21E
17 17N 146 22E
17 13N 146 23E
0000Z 8/11/78
17 48N 147 48E
0000Z 9/11/78
17 38N 146 53E
17 33N 147 01E
17 35N 146 51E
17 5AN 147 24E
0000Z 10/11/78
17 21N 147 28E
18 32N 147 21E
17 56N 147 24E
17 25N 147 18E
0000Z 11/11/78
0502 11/11/78


MARIANA LEG 6
N. MILES
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
3006
1000
500
0
-500
-1000
GAMMAS
FATHOMS
1500
2000
2500
3000
3500
4000
1515Z 11/11/78
17 55N 147 04E
17 16N 146 23E
0000Z 12/11/78
17 33N 145 21E
17 35N 144 10E
17 31N 144 57E
17 37N 144 38E
17 33N 144 48E
18 00N 144 48E
0000Z 13/11/78
18 00N 144 50E
0000Z 14/11/78
1810Z 14/11/78

MARIANA LEG 6
N. MILES
3000
0
1000
500
0
-500
-1000
GAMMAS
0
500
1000
1500
2000
2500
3000
3500
4000
FATHOMS
1852Z 14/11/78
13 SDN 144 40E

S.I.O. SAMPLE INDEX

(Issued January 1979)

MARIANA EXPEDITION

LEG 6

Agana, Guam (26 October 1978)
to
Agana, Guam (15 November 1978)

R/V T. Washington

Chief Scientist - J. Hawkins (SIO)

Resident Marine Tech - R. Wilson

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

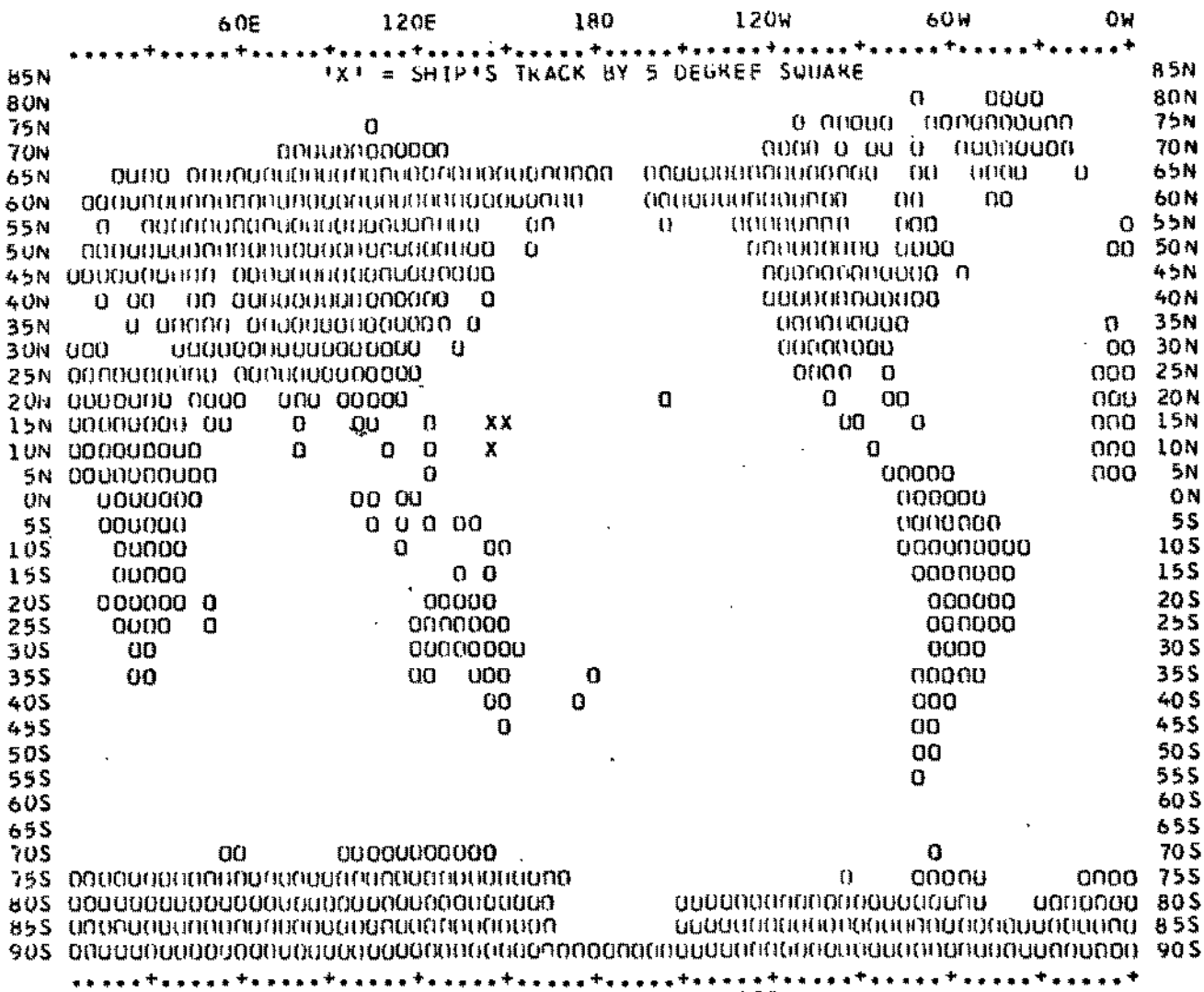
Index Encoding Funded by NSF
Grant Number OCE76-80618
Index Processing and Report Preparation
Funded by ONR, SIA and IDOE SEATAR

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 navigaiton 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 availalbe from the Geological Data Center.)

S.I.O. SAMPLE INDEX GENERATED 09FEB79

*** MARIANA LEG 6 SAMPLE INDEX (MARA06WT) ***



260CT78 - AGANA, GUAM
TO
15NOV78 - AGANA, GUAM

CHIEF SCIENTIST - J. HAWKINS GKD

SHIP - R/V THOMAS WASHINGTON (SIO)

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

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
					MARIANA LEG 6 SAMPLE INDEX				MAR06WT
*** PORTS ***									
0800	26/10/78			LGPT	R AGANA, GUAM		13 27.0N	144 37.0E	F MAR06WT
0000	15/11/78			LGPT	E AGANA, GUAM		13 27.0N	144 37.0E	F MAR06WT
0149	4/11/78			LGUS	R SAIPAN		15 10.0N	145 45.0E	F MAR06WT
2235	4/11/78			LGUS	E SAIPAN		15 10.0N	145 45.0E	F MAR06WT

PERSONNEL

	*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1	J. HAWKINS	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
2	R. WILSON	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3	P. CRAMPTON	ASSO. DVLMT. ENGR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4	A. HENRY	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5	S. BLOOMER	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6	D. BIBEE	RES. ASSIT.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7	C. EVANS	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
8	K. JACOBSON	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
9	K. KEICKHEFER	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
10	D. MCGOWAN	S/RES. ASSOC.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
11	J. MELCHIOR	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
12	S. NEWMAN	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
13	P. ONEILL	S/RES. ASSOC.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
14	P. POZZI	MARINE TECH	HAWAIIAN INSTITUTE OF GEOPHYSICS, UNIV. OF HAWAII, HONOLULU
15	M. REICHLE	PROFESSOR	UNIV. CALIF. SANTA BARBARA
16	B. SHOR	VOLUNTEER	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
17	G. SHOR	PROFESSOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
18	D. WILLOUGHBY	ASST. DVLMT. ENGR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093

*** NOTE *** AN 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE CODE INDICATES NO SAMPLE OR DATA RECOVERED

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

DISP	TYPE										TOTAL
	AC	BU	DP	DR	GV	LB	MG	PE	SP	SK	
GCR				12						1	12
GDC			15			1	1		3		20
GGS	3	5								24	32
GRD								2			2
HIG								1		14	15
LMD					2					6	8
MPL								4			4
MTG								1			1
SCG								2			2
SIO								7			7
SIX										6	6
UCS								1			1
TOTAL	3	5	15	12	2	1	1	18	3	50	110

SAMPLE 'TYPE' CODES USED ABOVE

AC = ACOUSTICAL STUDIES
BU = BUOY (OCEANOGRAPHIC) REPLACED TYPE RB MAR. 74
DP = DEPTH
DR = DREDGE
GV = GRAVITY
LB = LOG BOOKS
MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
PE = PERSONNEL IN SCIENTIFIC PARTY
SP = SEISMIC REFLECTION PROFILE AIRGUN
SK = SEISMIC STATION - SHOOTING RUN

SAMPLE 'DISP' CODES USED ABOVE

GCR = GEOLOGICAL CURATING FACILITY -- W. RIEDEL, (EXT. 4386)
GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
GGS = GEORGE SHOR (EXT. 2853)
GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
HIG = HAWAIIAN INSTITUTE OF GEOPHYSICS, UNIV. OF HAWAII, HONOLULU
LMD = LEROY M. DORMAN (EXT. 2406)
MPL = MARINE PHYSICAL LAB. (EXT 2305)
MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
SCG = SHIPBOARD COMPUTER GROUP (EXT. 4195)
SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CAL. 92093
SIX = SCRIPPS INSTITUTION NON-EMPLOYEE -(CONTACT DORCAS UTTER EXT. 2356)
UCS = UNIV. CALIF. SANTA BARBARA

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0040	14/11/78			UPRT B	GDR 12 KHZ R10	GDC	17 15.9N	144 57.1E S	MARA06WT
2133	14/11/78			UPRT E	GDR 12 KHZ R10	GDC	13 29.8N	144 38.3E S	MARA06WT
*** SEISMIC REFLECTION PROFILES ***									
0618	27/10/78			SPRS B	10SEC SWEEP R-01	GDC	13 25.1N	143 50.3E S	MARA06WT
1724	27/10/78			SPRS E	10SEC SWEEP R-01	GDC	14 35.5N	144 08.6E S	MARA06WT
2101	28/10/78			SPRS B	10SEC SWEEP R-02	GDC	16 10.5N	144 39.5E S	MARA06WT
2026	14/11/78			SPRS E	10SEC SWEEP R-02	GDC	13 40.3N	144 39.9E S	MARA06WT
0618	27/10/78			SPRF B	5SEC SWEEP R-01	GDC	13 25.1N	143 50.3E S	MARA06WT
2026	14/11/78			SPRF E	5SEC SWEEP R-01	GDC	13 40.3N	144 39.9E S	MARA06WT
*** MAGNETOMETER ***									
0910	26/10/78			MGR B	MAGNETICS R-01	GDC	13 27.0N	144 34.3E S	MARA06WT
2023	14/11/78			MGR E	MAGNETICS R-01	GDC	13 40.8N	144 39.9E S	MARA06WT
GRAVIMETRIC RECORDS CURATOR L.M. OORMAN (EXT.2406)									
0900	26/10/78			GVR B	GRAVITYMETER R-01	LMD	13 27.1N	144 35.2E S	MARA06WT
1815	1/11/78			GVR E	GRAVITYMETER R-01	LMD	17 24.8N	147 11.5E S	MARA06WT
2235	4/11/78			GVR B	GRAVITYMETER R-02	LMD	15 14.7N	145 43.7E S	MARA06WT
0500	13/11/78			GVR E	GRAVITYMETER R-02	LMD	18 06.9N	144 47.5E S	MARA06WT
*** DREDGE *** CURATOR - W. RIEDEL EXT. 4386									
1850	26/10/78			DRR B	DREDGE 29 3110	GCR	13 29.9N	144 01.0E S	MARA06WT
2104	26/10/78			DRR E	DREDGE 29 3271	GCR	13 30.6N	144 00.7E S	MARA06WT
0124	27/10/78			DRR B	DREDGE 30 3285	GCR	13 29.4N	143 59.8E S	MARA06WT
0410	27/10/78			DRR E	DREDGE 30 3361	GCR	13 26.1N	143 54.4E S	MARA06WT
2112	27/10/78			DRR B	DREDGE 31 3333	GCR	14 37.4N	144 15.1E S	MARA06WT
2237	27/10/78			DRR E	DREDGE 31 2870	GCR	14 37.9N	144 12.6E S	MARA06WT
1250	28/10/78			DRR B	DREDGE 32 4256	GCR	15 47.6N	144 47.4E S	MARA06WT
1657	28/10/78			DRR E	DREDGE 32 3930	GCR	15 46.9N	144 41.6E S	MARA06WT
1645	31/10/78			DRR B	DREDGE 33 4387	GCR	18 09.9N	146 51.3E S	MARA06WT
2047	31/10/78			DRR E	DREDGE 33 3304	GCR	18 26.7N	147 16.6E S	MARA06WT
1044	5/11/78			DRR B	DREDGE 34 3361	GCR	15 52.6N	144 43.7E S	MARA06WT
1245	5/11/78			DRR E	DREDGE 34 3361	GCR	15 51.9N	144 42.1E S	MARA06WT

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

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

*** LOG BOOKS ***

0802	26/10/78			LBUW	B UNDERWAY DATA	GDC	13	27.9N	144 39.3E	S MARA06WT
2133	15/11/78			LBUW	E UNDERWAY DATA	GDC	13	25.0N	144 41.0E	S MARA06WT

*** FATHOGRAMS ***

0851	26/10/78			DPR3	B UGR 3.5KHZ R-01	GDC	13	27.2N	144 36.3E	S MARA06WT
0140	27/10/78			DPR3	E UGR 3.5KHZ R-01	GDC	13	29.2N	143 59.5E	S MARA06WT
0157	27/10/78			DPR3	B UGR 3.5KHZ R-02	GDC	13	29.0N	143 59.1E	S MARA06WT
2013	31/10/78			DPR3	E UGR 3.5KHZ R-02	GDC	18	24.9N	147 12.3E	S MARA06WT
2034	31/10/78			DPR3	B UGR 3.5KHZ R-03	GDC	18	26.1N	147 15.0E	S MARA06WT
0845	6/11/78			DPR3	E UGR 3.5KHZ R-03	GDC	17	16.2N	146 23.9E	S MARA06WT
0911	6/11/78			DPR3	B UGR 3.5KHZ R-04	GDC	17	16.2N	146 24.1E	S MARA06WT
0133	11/11/78			DPR3	E UGR 3.5KHZ R-04	GDC	17	32.3N	147 20.2E	S MARA06WT
0158	11/11/78			DPR3	B UGR 3.5KHZ R-05	GDC	17	36.4N	147 17.6E	S MARA06WT
2133	14/11/78			DPR3	E UGR 3.5KHZ R-05	GDC	13	29.8N	144 38.3E	S MARA06WT
0900	26/10/78			DPRT	B GDR 12 KHZ R-01	GDC	13	27.1N	144 35.2E	S MARA06WT
2050	27/10/78			DPRT	E GDR 12 KHZ R-01	GDC	14	37.4N	144 15.6E	S MARA06WT
2051	27/10/78			DPRT	B GDR 12 KHZ R-02	GDC	14	37.4N	144 15.6E	S MARA06WT
0656	30/10/78			DPRT	E GDR 12 KHZ R-02	GDC	17	00.5N	146 57.3E	S MARA06WT
0929	30/10/78			DPRT	B GDR 12 KHZ R-03	GDC	17	00.9N	146 57.8E	S MARA06WT
0815	31/10/78			DPRT	E GDR 12 KHZ R-03	GDC	17	37.0N	146 51.9E	S MARA06WT
1417	1/11/78			DPRT	B GDR 12 KHZ R-04	GDC	17	34.3N	146 53.7E	S MARA06WT
0327	3/11/78			DPRT	E GDR 12 KHZ R-04	GDC	16	44.3N	147 00.1E	S MARA06WT
0330	3/11/78			DPRT	B GDR 12 KHZ R-05	GDC	16	44.1N	147 00.1E	S MARA06WT
0137	7/11/78			DPRT	E GDR 12 KHZ R-05	GDC	17	22.8N	146 23.3E	S MARA06WT
0143	7/11/78			DPRT	B GDR 12 KHZ R-06	GDC	17	23.0N	146 23.3E	S MARA06WT
1430	8/11/78			DPRT	E GDR 12 KHZ R-06	GDC	17	50.3N	147 44.5E	S MARA06WT
0415	9/11/78			DPRT	B GDR 12 KHZ R-07	GDC	17	53.4N	147 36.6E	S MARA06WT
0630	11/11/78			DPRT	E GDR 12 KHZ R-07	GDC	17	53.7N	147 08.7E	S MARA06WT
1526	11/11/78			DPRT	B GDR 12 KHZ R-08	GDC	18	02.5N	147 02.3E	S MARA06WT
0518	13/11/78			DPRT	E GDR 12 KHZ R-08	GDC	18	06.8N	144 47.2E	S MARA06WT
0528	13/11/78			DPRT	B GDR 12 KHZ R-09	GDC	18	06.7N	144 47.1E	S MARA06WT
0010	14/11/78			DPRT	E GDR 12 KHZ R-09	GDC	17	16.4N	144 57.4E	S MARA06WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.		CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1034	8/11/78			DRR R	DREDGE 35	8366	GCR	17 47.7N	147 48.0E	S MARA06WT
1605	8/11/78			DRR E	DREDGE 35	7064	GCR	17 51.3N	147 42.4E	S MARA06WT
2250	8/11/78			DRR R	DREDGE 36	6602	GCR	17 53.7N	147 41.8E	S MARA06WT
0207	9/11/78			DRR E	DREDGE 36	5841	GCR	17 52.9N	147 40.9E	S MARA06WT
0721	11/11/78			DRR R	DREDGE 37	3559	GCR	17 54.6N	147 08.8E	S MARA06WT
1400	11/11/78			DRR E	DREDGE 37	2177	GCR	18 01.9N	147 02.6E	S MARA06WT
0054	12/11/78			DRR R	DREDGE 38	3749	GCR	17 23.0N	146 00.9E	S MARA06WT
0534	13/11/78			DRR E	DREDGE 38	3538	GCR	18 06.6N	144 47.0E	S MARA06WT
1006	13/11/78			DRR R	DREDGE 39	4294	GCR	18 00.5N	144 48.6E	S MARA06WT
1313	13/11/78			DRR E	DREDGE 39	3606	GCR	18 00.4N	144 50.1E	S MARA06WT
2100	13/11/78			DRR R	DREDGE 40	3796	GCR	17 18.9N	144 56.7E	S MARA06WT
2327	13/11/78			DRR E	DREDGE 40	2757	GCR	17 17.5N	144 57.8E	S MARA06WT
*** OCEAN BOTTOM SEISMOMETER ***										
0426	29/10/78			SROB B	OBS U	3777	HIG	17 30.4N	144 36.6E	S MARA06WT
0508	29/10/78			SROB B	OBS L	3233	HIG	17 37.2N	144 36.7E	S MARA06WT
0615	29/10/78			SROB B	OBS Q	3861	HIG	17 40.4N	144 43.3E	S MARA06WT
0700	29/10/78			SROB B	OBS M	3455	HIG	17 40.4N	144 50.0E	S MARA06WT
0735	29/10/78			SROB B	OBS JM	4095	HIG	17 40.4N	144 55.2E	S MARA06WT
0817	29/10/78			SROB B	OBS Y	3563	HIG	17 40.5N	145 01.1E	S MARA06WT
0859	29/10/78			SROB B	OBS V	3812	HIG	17 34.5N	145 00.9E	S MARA06WT
0932	29/10/78			SROB B	OBS G	3999	HIG	17 34.2N	144 55.2E	S MARA06WT
0958	29/10/78			SROB B	OBS S	4516	HIG	17 34.0N	144 51.1E	S MARA06WT
1042	29/10/78			SROB B	OBS E	3936	HIG	17 33.8N	144 43.9E	S MARA06WT
1122	29/10/78			SROB B	OBS P	3668	HIG	17 28.1N	144 44.6E	S MARA06WT
1204	29/10/78			SROB B	OBS B	4698	HIG	17 28.0N	144 50.7E	S MARA06WT
1250	29/10/78			SROB B	OBS A	3474	HIG	17 27.7N	144 57.2E	S MARA06WT
1339	29/10/78			SROB B	OBS N	3798	HIG	17 27.5N	145 03.9E	S MARA06WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0656	30/10/78			SROB R	DOE 4294	LMD	17 00.5N	146 57.3E S	MARA06WT
0711	6/11/78			SROB R	GWEN 2862	LMD	17 16.1N	146 23.3E S	MARA06WT
1725	7/11/78			SROB E	GWEN 2862	LMD	17 16.1N	146 23.5E S	MARA06WT
1034	7/11/78			SROB R	INEZ 3285	LMD	18 05.2N	146 17.8E S	MARA06WT
2356	9/11/78			SROB R	GWEN 4744	LMD	17 24.6N	147 26.0E S	MARA06WT
2100	10/11/78			SROB E	GWEN 4744	LMD	17 26.2N	147 23.5E S	MARA06WT
2324	10/11/78			SROB R	DENI 4751	LMD	17 26.0N	147 25.4E S	MARA06WT
2106	11/11/78			SROB B	GWEN 2870	LMD	17 16.5N	146 23.3E S	MARA06WT
*** PROPERTY OF UNIV. OF TEXAS, MARINE SCIENCES INST. ***									
1324	31/10/78			SROB B	TEXAS OBS 3135	SIX	17 55.2N	147 24.8E S	MARA06WT
1702	31/10/78			SROB R	TEXAS OBS 3654	SIX	18 10.3N	146 50.0E S	MARA06WT
2134	31/10/78			SROB R	TEXAS OBS 3755	SIX	18 28.5N	147 21.9E S	MARA06WT
0050	1/11/78			SROB B	TEXAS OBS 3069	SIX	18 44.5N	146 54.0E S	MARA06WT
0436	1/11/78			SROB R	TEXAS OBS 3654	SIX	18 26.3N	146 18.8E S	MARA06WT
0948	1/11/78			SROB R	TEXAS OBS 3157	SIX	17 52.3N	146 20.2E S	MARA06WT
*** SEISMIC REFRACTION MONITORING ***									
0959	6/11/78			SRRR R	STA 6-1-1	GGS	17 18.3N	146 24.1E S	MARA06WT
1128	6/11/78			SRRR E	STA 6-1-1	GGS	17 33.0N	146 22.8E S	MARA06WT
1326	6/11/78			SRRR R	STA 6-1-2	GGS	17 35.9N	146 21.6E S	MARA06WT
1457	6/11/78			SRRR E	STA 6-1-2	GGS	17 51.5N	146 20.1E S	MARA06WT
1719	6/11/78			SRRR R	STA 6-1-3	GGS	17 50.6N	146 20.1E S	MARA06WT
2010	6/11/78			SRRR E	STA 6-1-3	GGS	17 21.3N	146 23.5E S	MARA06WT
2305	6/11/78			SRRR R	STA 6-1-4	GGS	17 16.4N	146 23.6E S	MARA06WT
0124	7/11/78			SRRR E	STA 6-1-4	GGS	17 22.4N	146 23.3E S	MARA06WT
0218	7/11/78			SRRR R	STA 6-1-5	GGS	17 24.6N	146 23.3E S	MARA06WT
0828	7/11/78			SRRR E	STA 6-1-5	GGS	18 27.7N	146 16.3E S	MARA06WT
0845	7/11/78			SRRR R	STA 6-1-6	GGS	18 25.9N	146 16.4E S	MARA06WT
1029	7/11/78			SRRR E	STA 6-1-6	GGS	18 06.1N	146 17.7E S	MARA06WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0309	10/11/78			SRKR	B STA 6-2-1	GGS	17 23.6N	147 29.7E	S MARA06WT
0908	10/11/78			SRKR	E STA 6-2-1	GGS	18 31.5N	147 21.7E	S MARA06WT
0920	10/11/78			SRKR	B STA 6-2-2	GGS	18 31.1N	147 22.0E	S MARA06WT
1029	10/11/78			SRKR	E STA 6-2-2	GGS	18 18.4N	147 24.2E	S MARA06WT
0501	12/11/78			SRKR	B STA 6-3-1	GGS	17 33.8N	145 19.1E	S MARA06WT
1042	12/11/78			SRKR	E STA 6-3-1	GGS	17 35.4N	144 11.0E	S MARA06WT
1342	12/11/78			SRKR	B STA 6-3-2	GGS	17 30.2N	144 40.6E	S MARA06WT
1720	12/11/78			SRKR	E STA 6-3-2	GGS	17 37.8N	144 38.8E	S MARA06WT
1945	13/11/78			SRKR	B STA 6-3-3	GGS	17 18.9N	144 55.8E	S MARA06WT
2051	13/11/78			SRKR	E STA 6-3-3	GGS	17 18.9N	144 56.7E	S MARA06WT
*** SONOBUOY DROP *** SEISMIC REFRACTION MONITORING									
0952	6/11/78			SROB	SONOBUOY	GGS	17 17.2N	146 24.2E	S MARA06WT
1709	6/11/78			SROB	SONOBUOY	GGS	17 52.4N	146 20.0E	S MARA06WT
0602	7/11/78			SROB	SONOBUOY	GGS	18 02.5N	146 18.5E	S MARA06WT
0613	7/11/78			SROB	SONOBUOY	GGS	18 04.4N	146 18.3E	S MARA06WT
0651	7/11/78			SROB	SONOBUOY	GGS	18 10.9N	146 17.5E	S MARA06WT
0733	7/11/78			SROB	SONOBUOY	GGS	18 18.0N	146 16.8E	S MARA06WT
0840	7/11/78			SROB	SONOBUOY	GGS	18 26.8N	146 16.4E	S MARA06WT
0841	7/11/78			SROB	SONOBUOY	GGS	18 26.6N	146 16.4E	S MARA06WT
0852	7/11/78			SROB	SONOBUOY	GGS	18 24.6N	146 16.4E	S MARA06WT
0721	10/11/78			SROB	SONOBUOY	GGS	18 11.4N	147 20.0E	S MARA06WT
0804	10/11/78			SROB	SONOBUOY	GGS	18 19.6N	147 20.5E	S MARA06WT
0915	10/11/78			SROB	SONOBUOY	GGS	18 32.1N	147 21.9E	S MARA06WT
SEISMIC RECEIVING BUOY									
0600	6/11/78			BUSR	B REGINA	GGS	17 18.6N	146 23.3E	S MARA06WT
2058	7/11/78			BUSR	E REGINA	GGS	17 15.7N	146 29.1E	S MARA06WT
1307	6/11/78			BUSR	B JO	GGS	17 34.2N	146 21.9E	S MARA06WT
1419	7/11/78			BUSR	E JO	GGS	17 31.0N	146 21.7E	S MARA06WT
1649	6/11/78			BUSR	B DONNA	GGS	17 52.6N	146 20.2E	S MARA06WT
1234	7/11/78			BUSR	E DONNA	GGS	17 47.5N	146 18.9E	S MARA06WT
1718	9/11/78			BUSR	B REGINA	GGS	17 55.8N	147 23.9E	S MARA06WT
1335	10/11/78			BUSR	E REGINA	GGS	17 55.7N	147 23.8E	S MARA06WT
2336	9/11/78			BUSR	B JO	GGS	17 23.7N	147 25.9E	S MARA06WT
0007	11/11/78			BUSR	E JO	GGS	17 24.8N	147 25.7E	S MARA06WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.		CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
*** SONOBOUY ***										
0600	6/11/78			SRSB B	REGINA	2811	GGS	17 18.6N	146 23.3E S	MARA06WT
2059	7/11/78			SRSB E	REGINA	2811	GGS	17 15.7N	146 29.1E S	MARA06WT
ACOUSTIC SURVEY										
2153	6/11/78			ACXX B	CFLR.HYDPHO	2954	GGS	17 16.9N	146 23.7E S	MARA06WT
1940	7/11/78			ACXX F	CFLR.HYDPHO	2954	GGS	17 15.7N	146 25.6E S	MARA06WT
2209	6/11/78			ACXX B	CFLR.HYDPHO	2912	GGS	17 16.7N	146 23.5E S	MARA06WT
1800	7/11/78			ACXX E	CFLR.HYDPHO	2912	GGS	17 16.4N	146 25.2E S	MARA06WT
0140	10/11/78			ACXX B	CFLR.HYDPHO		GGS	17 25.5N	147 27.9E S	MARA06WT
1843	10/11/78			ACXX F	CFLR.HYDPHO		GGS	17 26.5N	147 24.2E S	MARA06WT
9900					END SAMPLE INDEX					MARA06WT