INFORMAL REPORT AND INDEX OF NAVIGATION, DEPTH AND MAGNETIC DATA (ISSUED AUGUST 1981)

RAMA EXPEDITION

LEG 13

Agana, Guam (10 May 1981) to Adak, Alaska (3 June 1981)

R/V T. Washington

Chief Scientist - A. Ciesluk (WHOI)

Resident Marine Tech - J. Boaz

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

Data Collection Funded by NSF Grant Number CCE80-24472 Bathymetric Data Collection and Processing Funded by Defense Mapping Agency Contract 800-81-C-0023 Data Processing Funded by SIA and DMA

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 chief scientist or 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:

Track Charts - annotated with dates (day/month) and hour ticks.

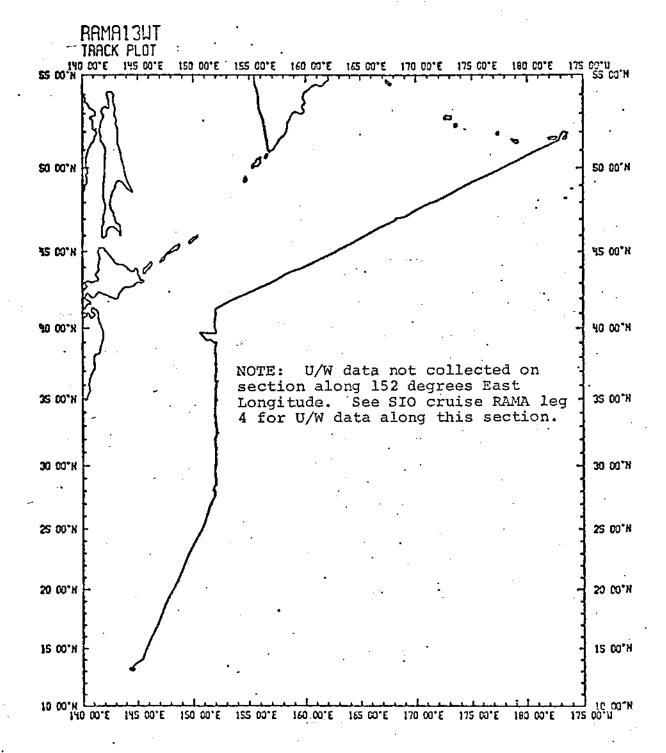
The scale is .3 in/degree longitude.

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 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) or meters (assumed sound velocity of 1500m/sec) at approximately 1 mile spacing, plotted at 4in/degree with standard U. S. Navy Oceanographic Office BC series boundaries (see index chart).
- 3. Plots of magnetic anomaly profiles along track map scale = 1.2inch/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 1975 IGRF.
- 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.
- Microfilm or Xerox copies of:
 a. Echosounder records 12 and 3.5 kHz frequency
 - b. Subbottom profiler records (airqun)
 - c. Magnetometer records
 - d. Underway data log



RAMA EXPEDITION LEG 13

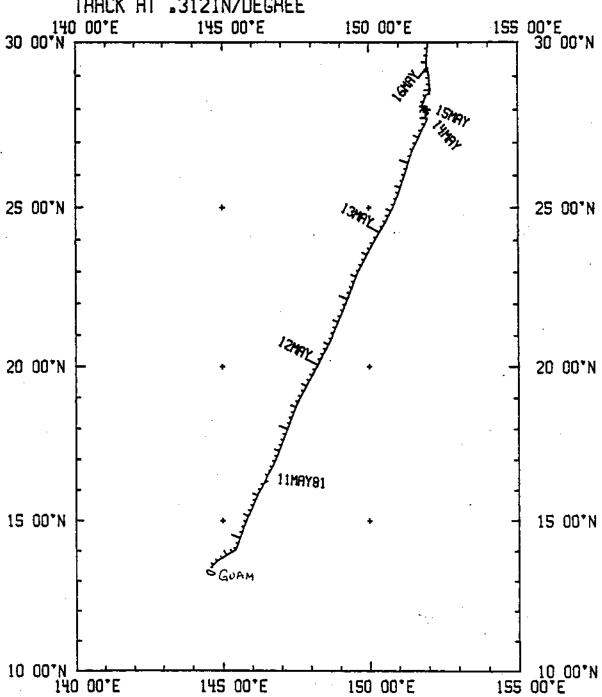
Chief Scientist: A. Ciesluk (WHO) Ports: Agana, Guam - Adak, Alaska

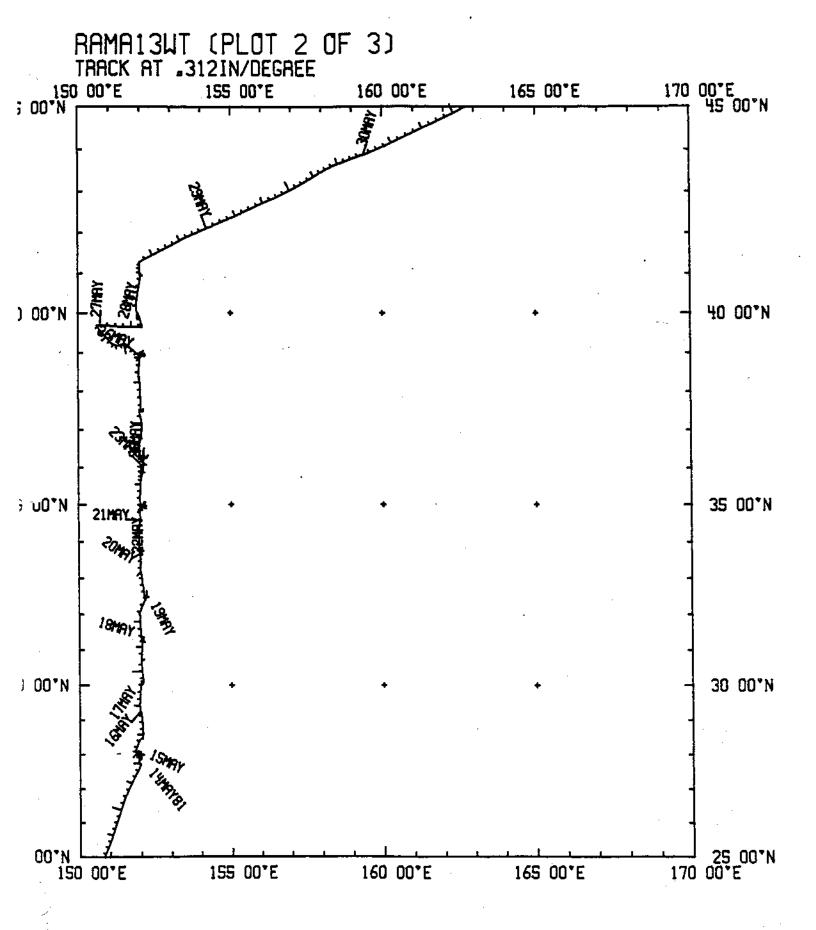
Dates: 10 May -3 June 1981 Ship: R/V T. Washington

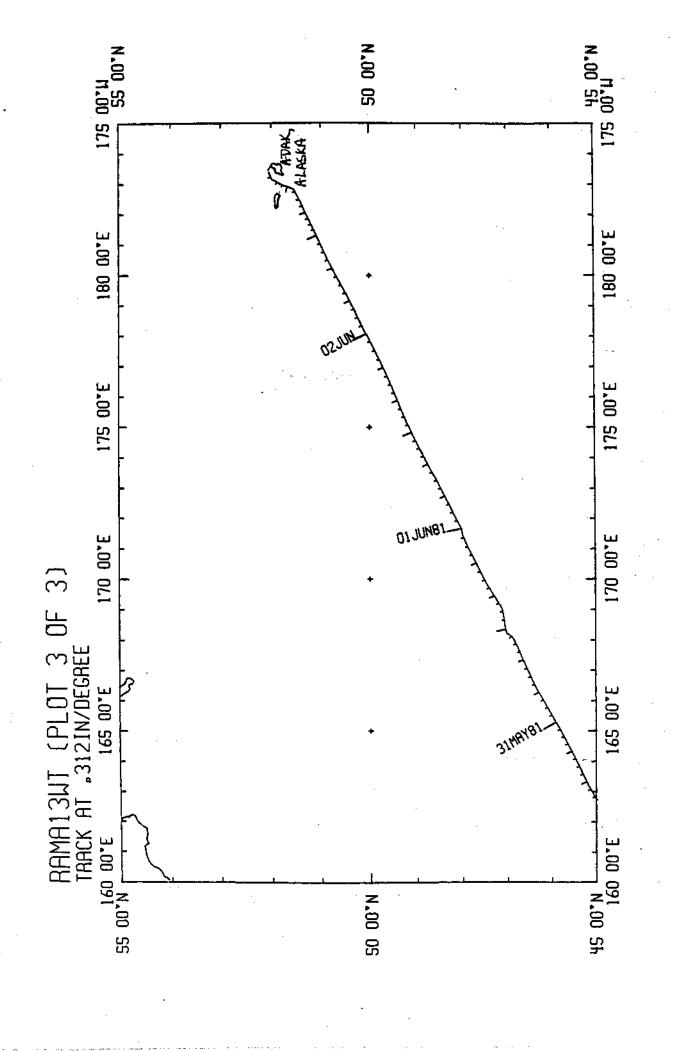
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

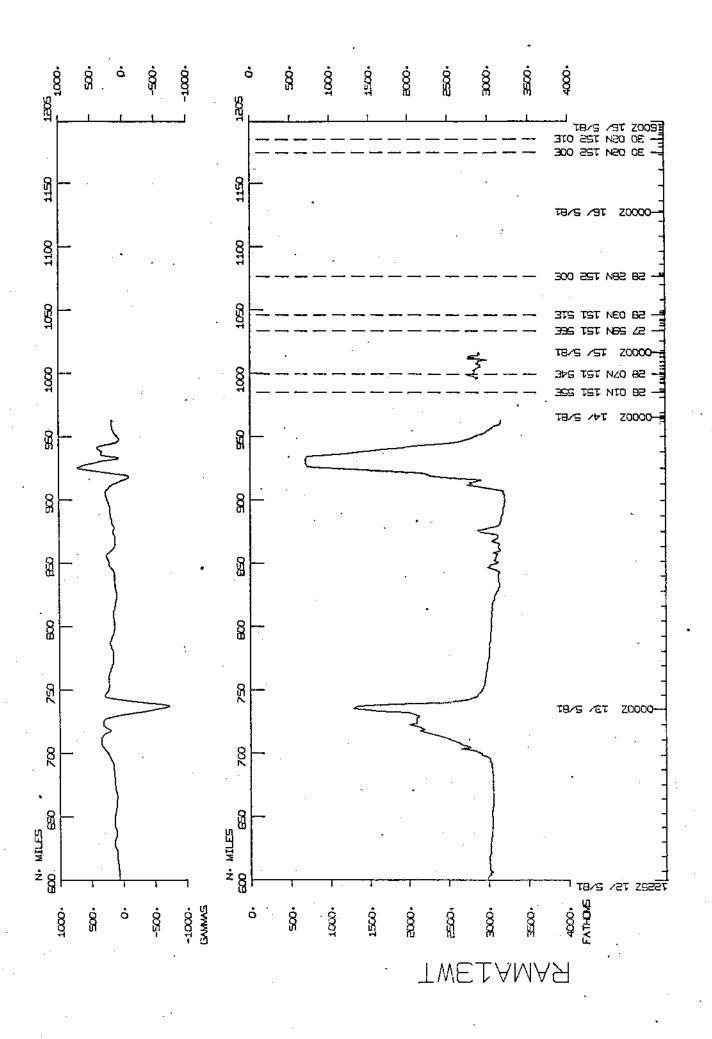
- 1) Cruise 3804 miles
- 2) Bathymetry 2286 miles
- 3) Magnetics 1856 miles
- 4) Seismic Reflection none collected
- 5) Gravity none collected

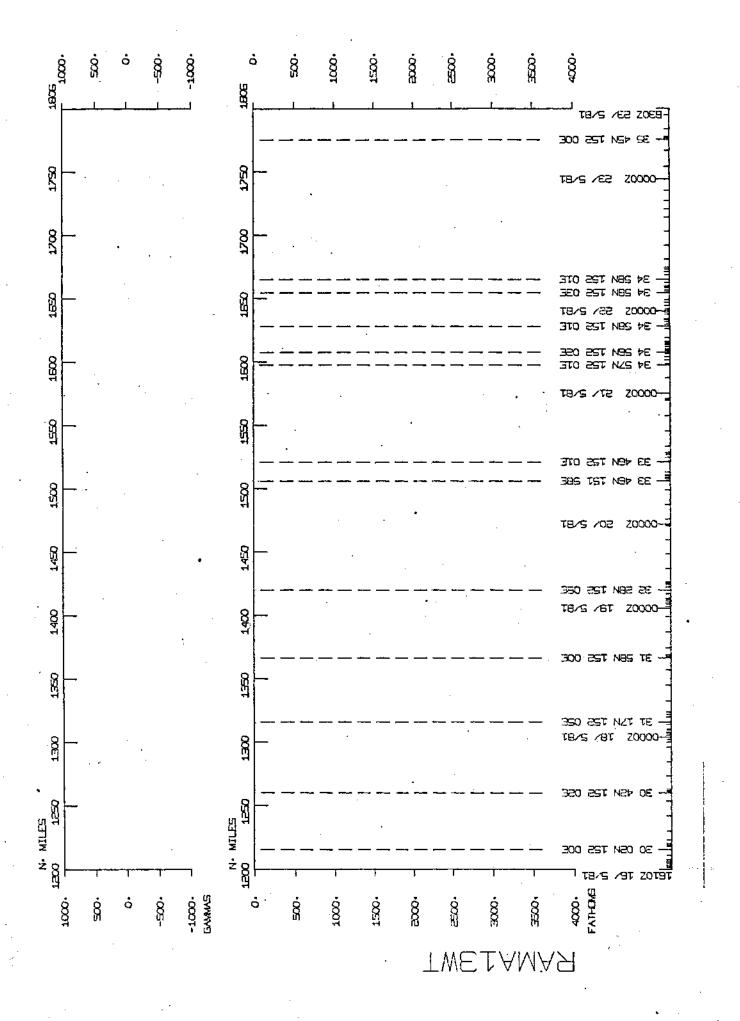


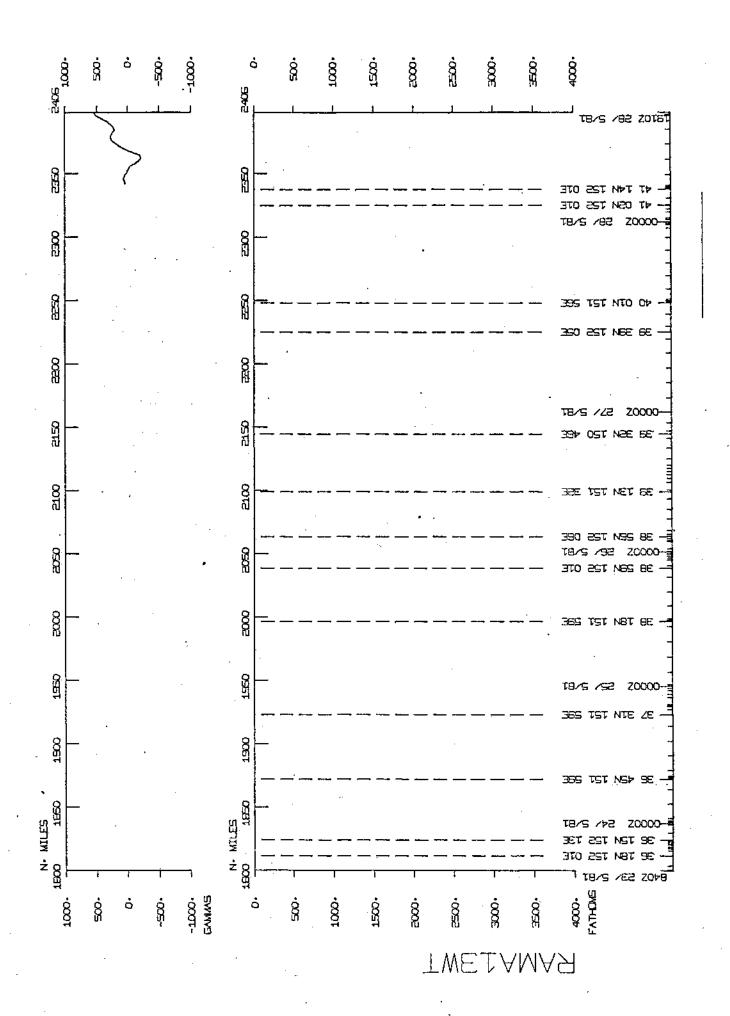


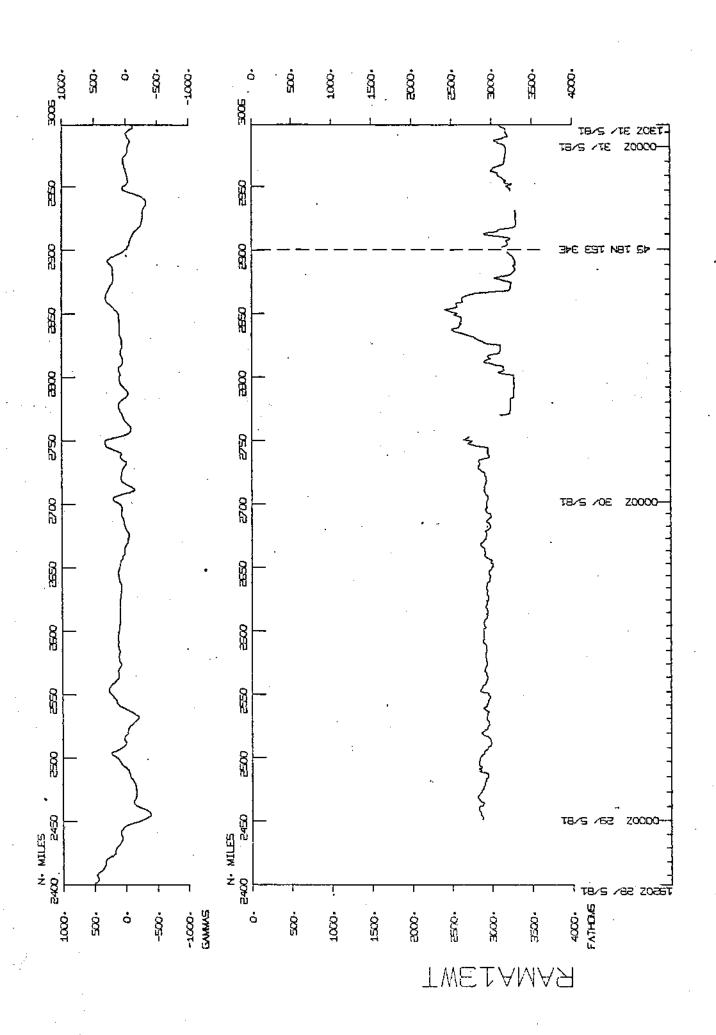


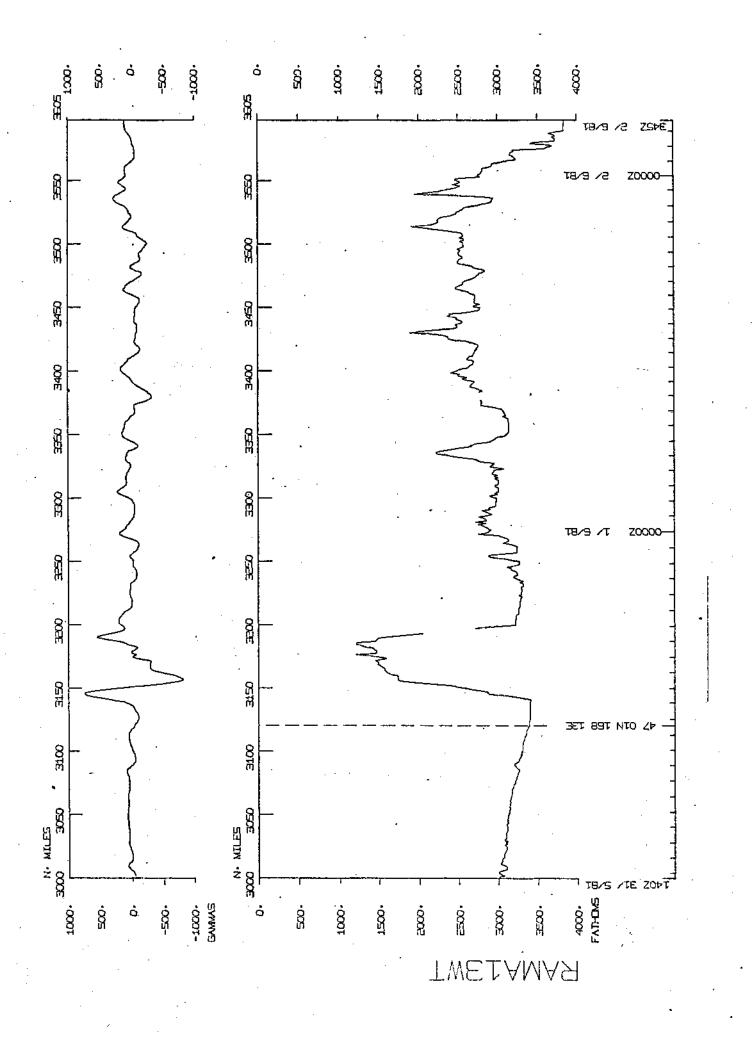


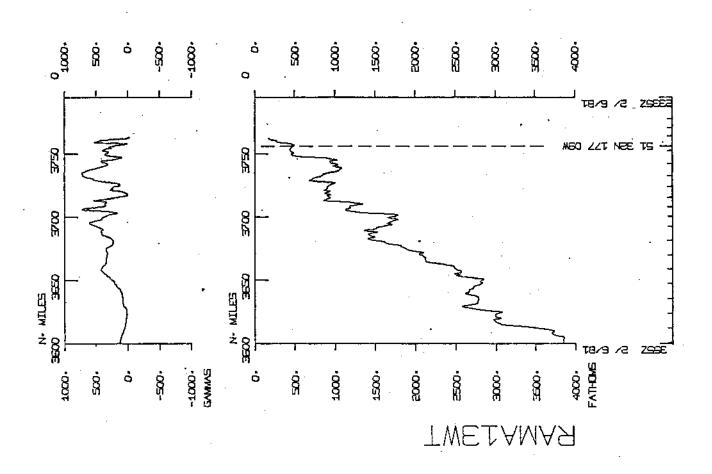












S.I.O. Sample Index (Issued July 1981)

RAMA EXPEDITION

Leg 13

Agana, Guam (10 May 1981) to Adak, Alaska (3 June 1981)

R/V Thomas Washington

Chief Scientist - A. Ciesluk (WHOI)

Resident Technician - J. Boaz

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

Index Encoding Funded by NSF Grant Number CCE80-22996 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.)

(RAMA13WT) ≠≠≠

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•			TO		•	
		03JUN81	- AOA	AK, ALASKA		

03JUN81 - ADAK, ALASKA

CHIEF SCIENTIST - CIESLUK.A. WHO

SHIP - R/V THOMAS WASHINGTON (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				T	YPE			TOTAL					
		CM	DP	ŁΒ	MG	PF	TD.		 		•		
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SIX WHO	I	28				2 10	24	I 2					
WHO								. 02					
TOTAL	Ī	28	3	1	2	14	24 !	1 72	 		•	 	

SAMPLE 'TYPE' CDDES USED ABOVE

CM = CURRENT MEASUREMENT

DP ≠ DEPTH

LB = LOG BOOKS

MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)

PE = PERSONNEL IN SCIENTIFIC PARTY

TD = SALINITY/TEMPERATURE/DEPTH (STD)

SAMPLE 'DISP' CODES USED ABOVE

GDC = GEOLUGICAL DATA CENTER -- S. SMITH (EXT. 2752)

MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675).
WHO = WOODS HOLE OCEANOGRAPHIC INSTITUTION

 $(\varphi_{i}, \varphi_{i}) = \varphi_{i} + \varphi_{$

SMT D /M /Y LOC LOC IME DATE TIME TZ	CODE SAMPLE IDENT.	17JUL81 PAGE CODE LAT. LONG. DISP	LEG-SHIP CRUISE
/ / 000	RAMA LEG 13 SAMPLE INDEX	00 00. 00 00.	RAMA13WT
** PURTS ***			
400 10/05/81 130 03/06/81	LGPT B AGANA, GUAM LGPT E ADAK, ALASKA	13 27. N 144 37. E F 51 52. N 176 38. W F	
PERSONNEL* ** NAME *** ***	TITLE . ***	*** AFFILIATION ***	
1 CIESLUK,A. 2 BOAZ,J. 3 OTT.J. 4 DEAN,J. 5 CLAY,P. 6 POIRIER,M. 7 LA RECHELLE,R. 8 HORN,W. 9 SIMONEAU,R. 0 REESE,J. 1 STAICUP,M. 2 RAYMER,M. 3 ENGLAND,H. (NUSC) 4 HALL,R. (YALE)	RESIDENT TECH SCRIPPS I COMPUTER TECH SCRIPPS I ENGINEER WOODS HOLE TECHNICIAN WOODS HOLE SPECIALIST WOODS HOLE SCIENTIST SCRIPPS I		LA JOLLA CAL. 92093 LA JOLLA - CAL. 92093 N N N N N N N N N N N N N N N N N N N

17JUL81 PAGE

NOTES* AN 'X' IN THE (B) EGIN/(E) NO 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 LOC LOC CODE SAMPLE IDENT. CODE LAT. LONG. LEG-SHIP DISP CRUISE

***	UNDERWAY	DATA	CURATOR	_	STUART	М.	SMITH	EXT.	2752	***	
											-

*** LOG BOOKS ***

		·			
		NDERWAY LOG NDERWAY LOG	GDC 16 GDC 48	36.1N 146 52.1N 174	36.2E S RAMAI3WT 07.0E S RAMAI3WT
*** FATHOGRAMS ***			•		
0405 11/ 5/81 1910 13/ 5/61					36.2E S RAMAISWT 59.3E S RAMAISWT
1425 28/ 5/81 0853 1/ 6/81					02.9E S RAMA13WT 01.3E S RAMA13WT
		DR 12 KHZ R-03 DR 12 KHZ R-03			07.0E S RAMA13WT 05.2W S RAMA13WT
### MAGNETOMETER ###					
*					•
0430 11/ 5/81 1730 30/ 5/81	MGRA B MA	AGNETICS R-01 AGNETICS R-01			38.2E S RAMA13WT 42.3E S RAMA13WT
1750 30/ 5/81 2000 2/ 6/81	MGRA 8 MA	AGNETICS R-02 AGNETICS R-02			47.4E S RAMAI3WT 05.2W S RAMAI3WT
÷÷÷C URRENT MEASUREMENT*	* *				
0400 30/ 5/81 0956 14/ 5/81	G	STA.704 CVR STA.704			37.7E S RAMAI3WT
0546 15/ 5/81	CMAB B DE	RUP STA.717	WHO 27	59.4N 151	53.4E S RAMAISWT
	CMAR C CMAR C	STA.717 STA.703			34.7W S RAMAI3WT 37.7E S RAMAI3WT
2214 15/ 5/81	CHAB E RO	CVD STA.703 .	WHO 29	00.2N 152	02.0E S RAMA13WT
0819 16/ 5/81		ROP STA.718			01.7E S RAMALSWT
0130 3/ 6/81 0400 10/ 5/81	CMAB C	STA.718 STA.702			34.7W S RAMAI3WT
2200 17/ 5/81		CVE STA.702			03.6E S RAMA13WT
1201 18/ 5/81	CMAR B DE	RUP STA.719	WHO 31	15.3N 152	03.0E S RAMA13WT
· -	CMAB C	STA. 719			34.7W S RAMALISHT
0400 10/ 5/81	CMAB C	STA.701			37.7E S RAMAISHT
0024 19/ 5/81	CMAN E RI	CVD STA.701	WHU 32	41.9N 152	10.5E S RAMA13WT

GMT TIME	D /M /Y DATE	LOC LOC TIME TZ	CODE SAMP	SAMPL	E IDENT.		CODE DISP	. L	17J(.AT.	181 LON	PAGE	 .	3 LEG-SHIP CRUISE	
1455 0130 0400	19/ 5/81 3/ 6/81 10/ 5/81		CMAR B CMAR C	DROP	STA.720 STA.720 STA.700		MHO MHO	32 52 13	28.1N 02.3N 27.5N	152 176 144	06.6E 34.7W 37.7E	s s	RAMA13WT RAMA13WT RAMA13WT	
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0130	3/ 6/81 10/ 5/81		CMAR C	DAVA	STA.721 STA.699		WHO	52 13	02.3N 27.5N	176	34.7W 37.7E	S	RAMALSWT RAMALSWT	
	21/ 5/81				STA. 722									
	22/ 5/81				STA.722								RAMA13WT	-
1527	22/ 5/81		CMAB B	DROP	STA - 723		WHO	34	53.9N	152	00.4E	S	RAMAI3WT	
0460 1036	10/ 5/81 23/ 5/81		CMAR C	RCVD'	STA.698 STA.698		0HW	13 36	27.5N	144 152	37.7E 03.4E	s s	RAMA13WT RAMA13WT	
0136 0130	24/ 5/81 3/ 6/81		CMAR 8	DROP	STA.724 STA.724		WHO	36 52	14.6N 02.3N	152 176	01.1E 34.7W	S	RAMA13WT RAMA13WT	
0400	10/ 5/81 24/ 5/61		CMAB C	RCVD	STA.697 STA.697		MHO MHO	13 37	27.5N 31.3N	144 152	37.7E 02.2E	5	RAMA13WT RAMA13WT	
2224 0130	24/ 5/81 3/ 6/81													
04C0 1755	10/ 5/81 25/ 5/81	-	CMAR C	RCVD	STA.696 STA.696		MH0 MH0	13 38	27.5N 57.8N	144 152	37.7E 03.8E	S	RAMA13WT RAMA13WT RAMA13WT RAMA13WT	
0532 0130	26/ 5/81 3/ 6/81		CMAB B	DROP	STA.726 STA.726		WHO	38 52	57.0N 02.3N	152 176	06.5E 34.7W	s s	RAMA13WT RAMA13WT	
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2313 0020	10/ 5/81 11/ 5/81		TOOT B	STA.0 STA.0	1 3268M 1 3268M	R24 R24	MHD MHO	16 16.	16.6N 15.8N	146 146	26.2E 26.2E	\$ \$	RAMA13WT RAMA13WT	
0232 0335	11/ 5/81 11/ 5/81		TOOT B	STA.0 STA.0	2 3217M 2 3217M	K24 R24	MH0 MH0	I6 16	33.9N 33.8N	146 146	34.5E 35.0E	S S	RAMAI3WT RAMA13WT	
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1553	15/ 5/81		TDOT B	STA.0	5 5899M	R24	WHO	28	28.7N	152	01.8E	5	RAMA13WT	•
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0445 0802	19/ 5 19/ 5	/81 /81			TDOT TOOT	B E	STA.11 STA.11	5642M 5642M	R24 R24	MHO MHO	32 32	29.8N 29.6N	152 152	13.2E 15.0E	S S	RAMAI3WT RAMAI3WT
2005 0030	19/ 5 20/ 5	/81 /81	. '	- '-	TOOT TOOT	B E	STA.12 STA.12	5906M 5906M	R24 R 24	MH0 MH0	33 33	11.4N 13.1N	152 152	00.7E 00.8E	S	RAMA13WT RAMA13WT
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