

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA
(Issued June 1982)

ARIADNE EXPEDITION

LEG 3

Puntarenas, Costa Rica (6 April 1982)
to
San Diego, Calif. (28 April 1982)
R/V T. Washington

Co-Chief Scientists - T. Shipley & G. Moore (SIO)

Resident Marine Tech - R. Gilchrist

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

Data Collection Funded by NSF
Grant Number OCE80-24472
and JOI, Inc.
Data Processing funded by SIA and NSF

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 (SEA BEAM),
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 or 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

S.I.O. Sea Beam Data

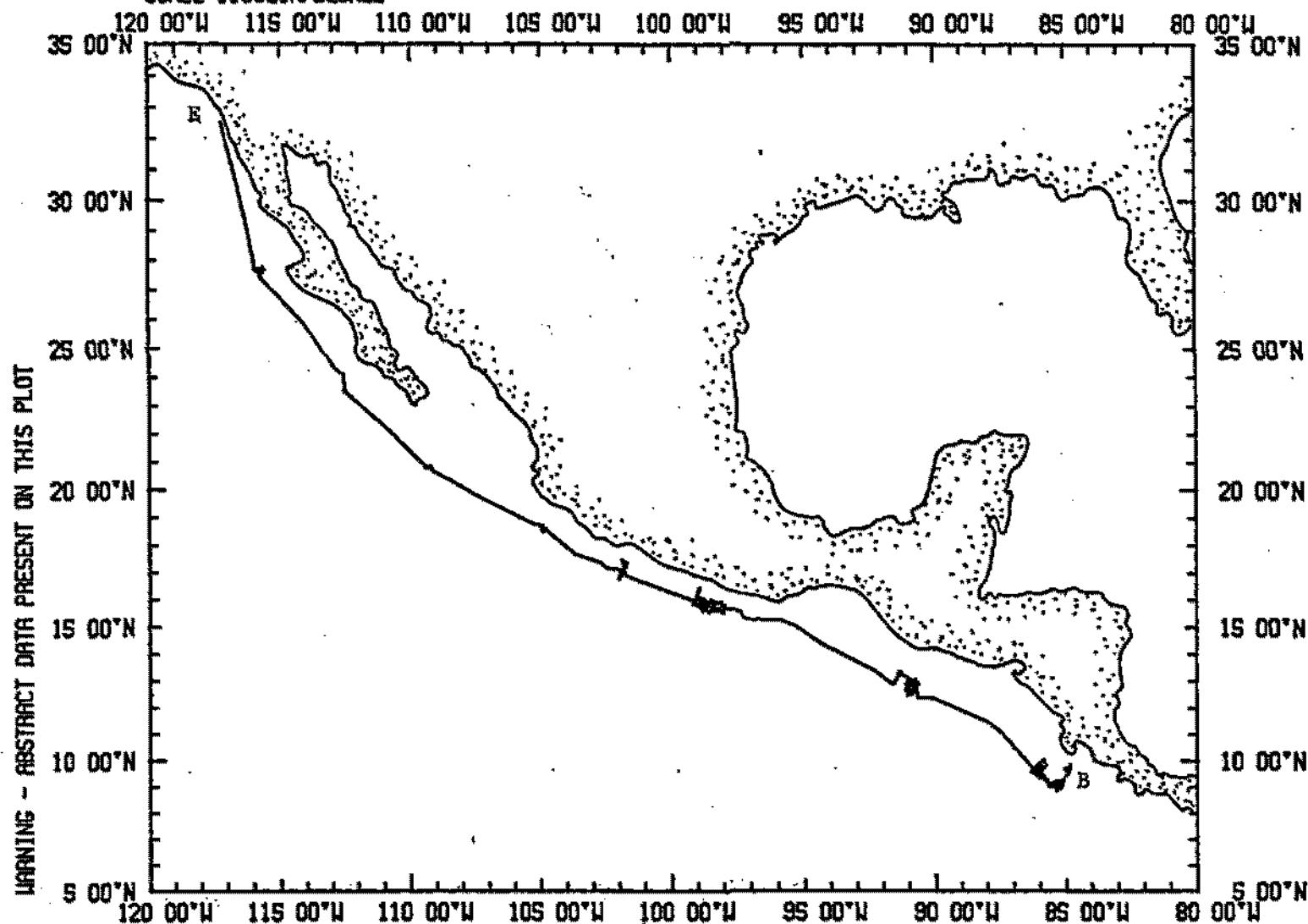
As of June 1982 the institution's procedures for handling Sea Beam data are still evolving. The following forms are available, subject to approval of the cruise leg chief scientist.

- 1) Archive copy of contour swath books generated in real time on board ship available for inspection at the data center.
- 2) Microfilm (35mm flowfilm) containing swath books plus, for some cruises, the UGR monitor record and navigation listings.
- 3) Sea Beam merged tapes - Sea Beam data merged with navigation (navigation is edited to the extent that poor fixes are removed after inspection of drift vectors between fix pairs. No editing is done on the basis of adjusting to overlapping Sea Beam swaths.)
- 4) Custom generated plots of Sea Beam swaths on Mercator projection in four colors at variable plot scales and contour intervals. There are provisions to adjust positions of individual track lines and to edit out beams (bad data or overlapping data on inside of turns).

S. M. Smith June 1982

ARIA03WT TRACK PLOT

SCALE=.1632IN/DEGREE



ARIADNE EXPEDITION LEG 3

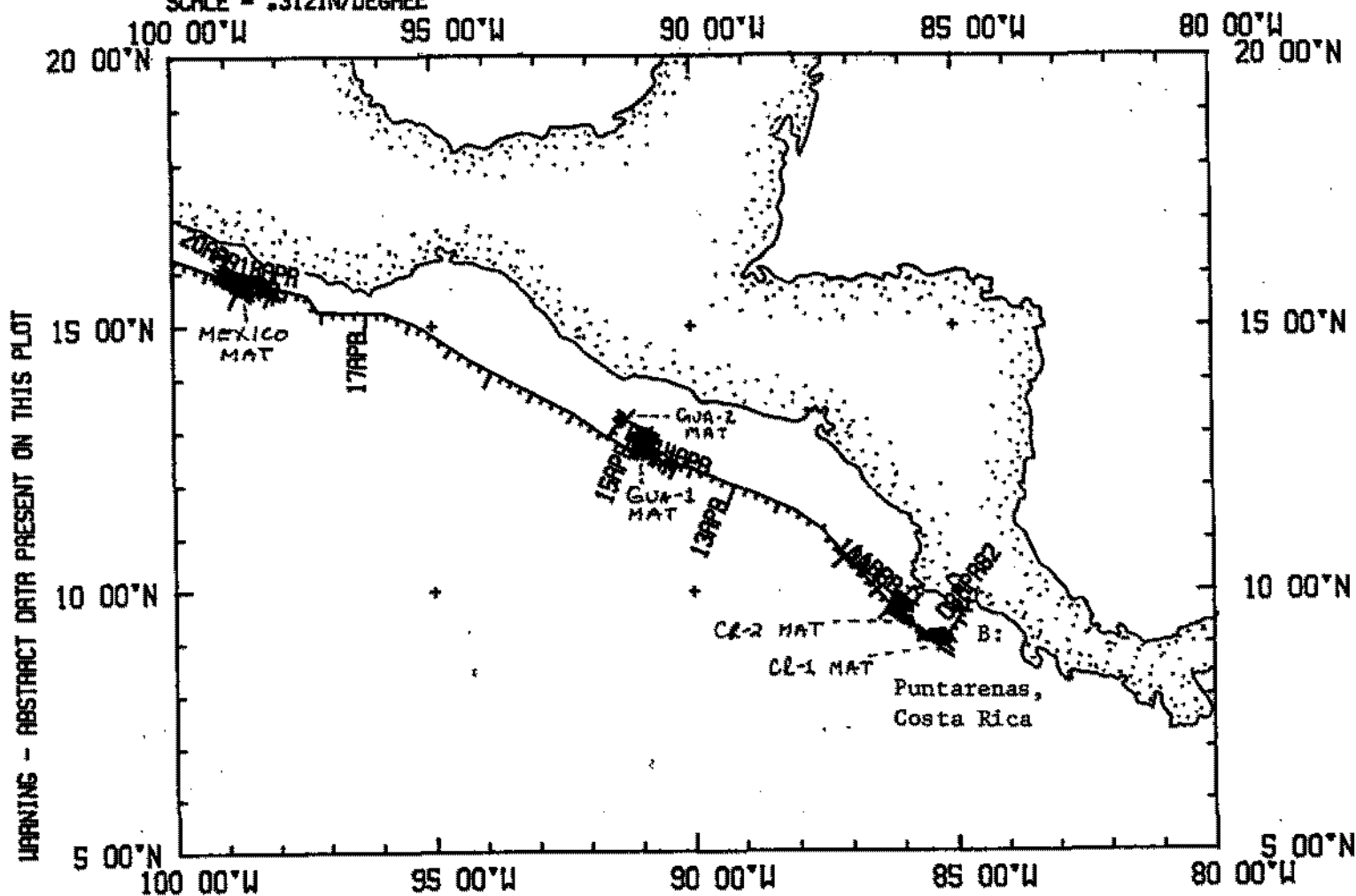
Co-Chief Scientists: T. Shipley & G. Moore (SIO)
Ports: Puntarenas, Costa Rica - San Diego, Calif.
Dates: 6 - 28 April, 1982
Ship: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 5280 miles
- 2) Bathymetry - 5110 miles
- 3) Magnetics - 5170 miles
- 4) Seismic Reflection - 3985 miles
- 5) Gravity - 4656 miles
- 6) Seabeam - 5280 miles

ARRA03WT PLOT 1 OF 2

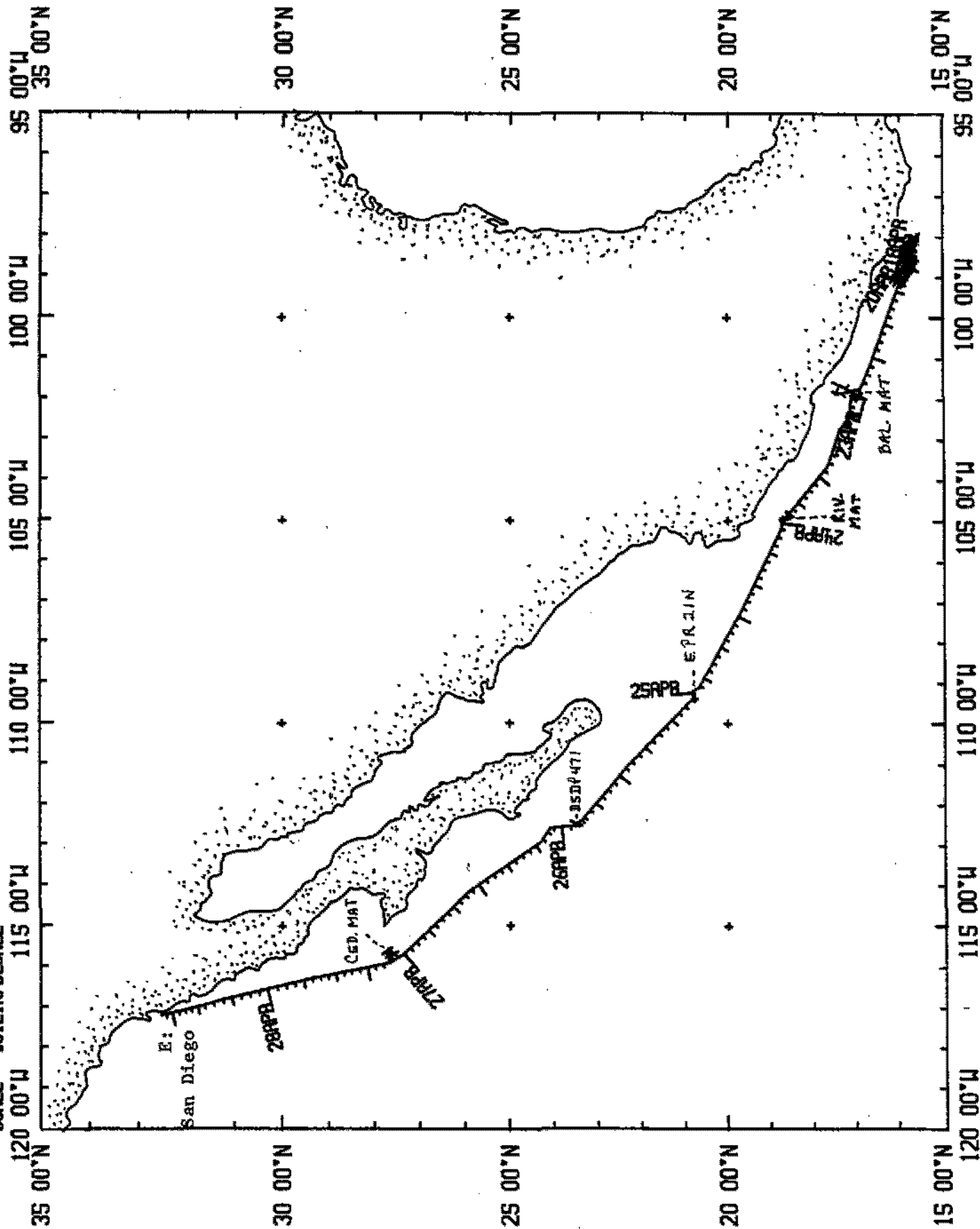
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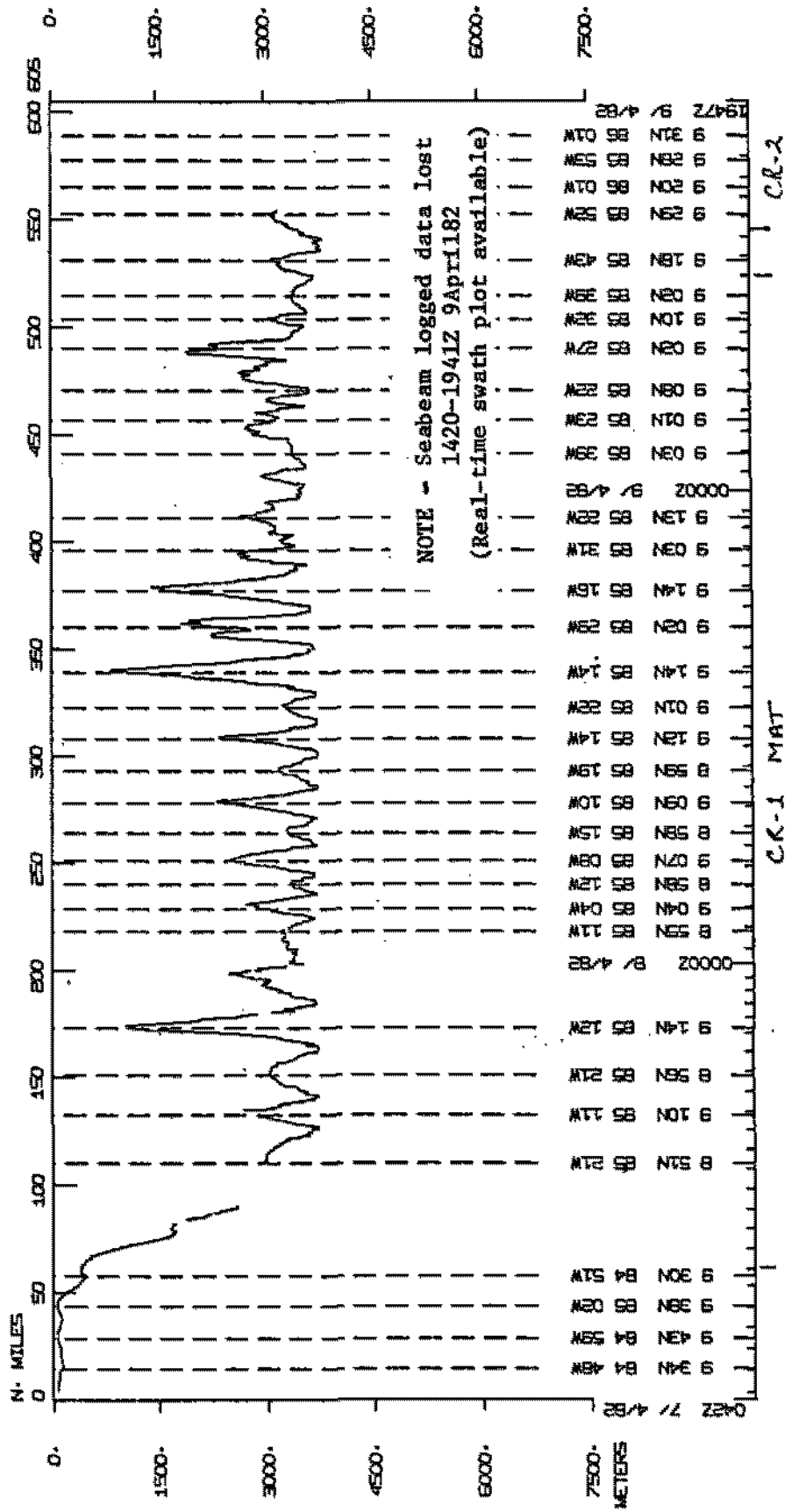
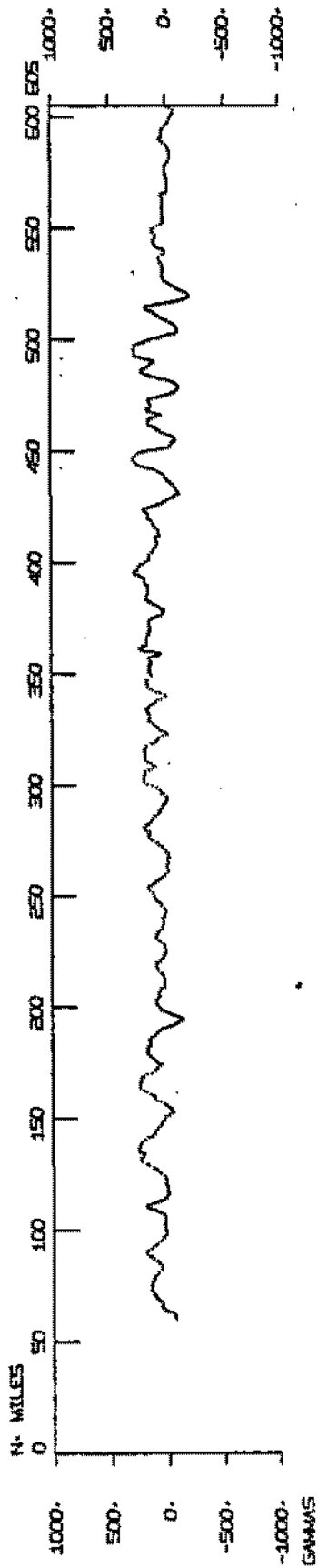


WARNING - ABSTRACT DATA PRESENT ON THIS PLOT

ARIA03WT PLOT 2 OF 2

SCALE = .312IN/DEGREE





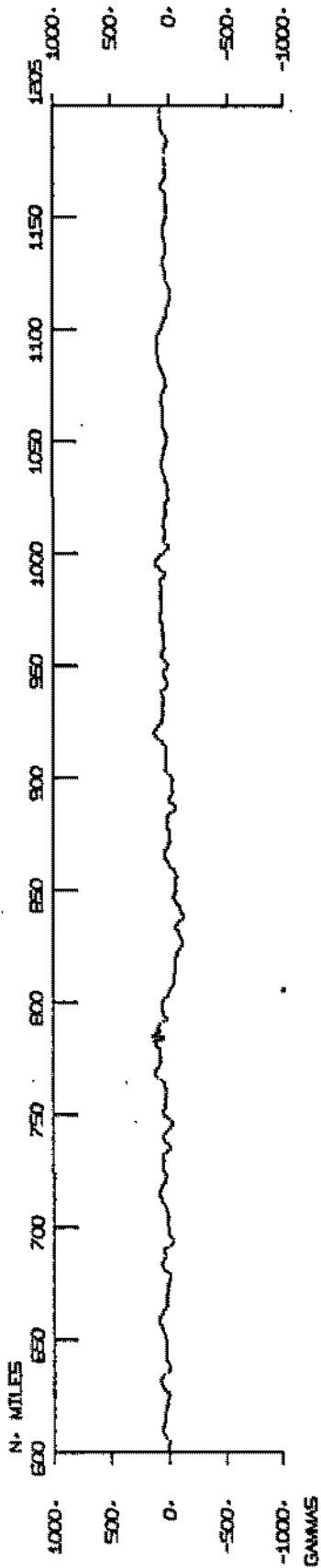
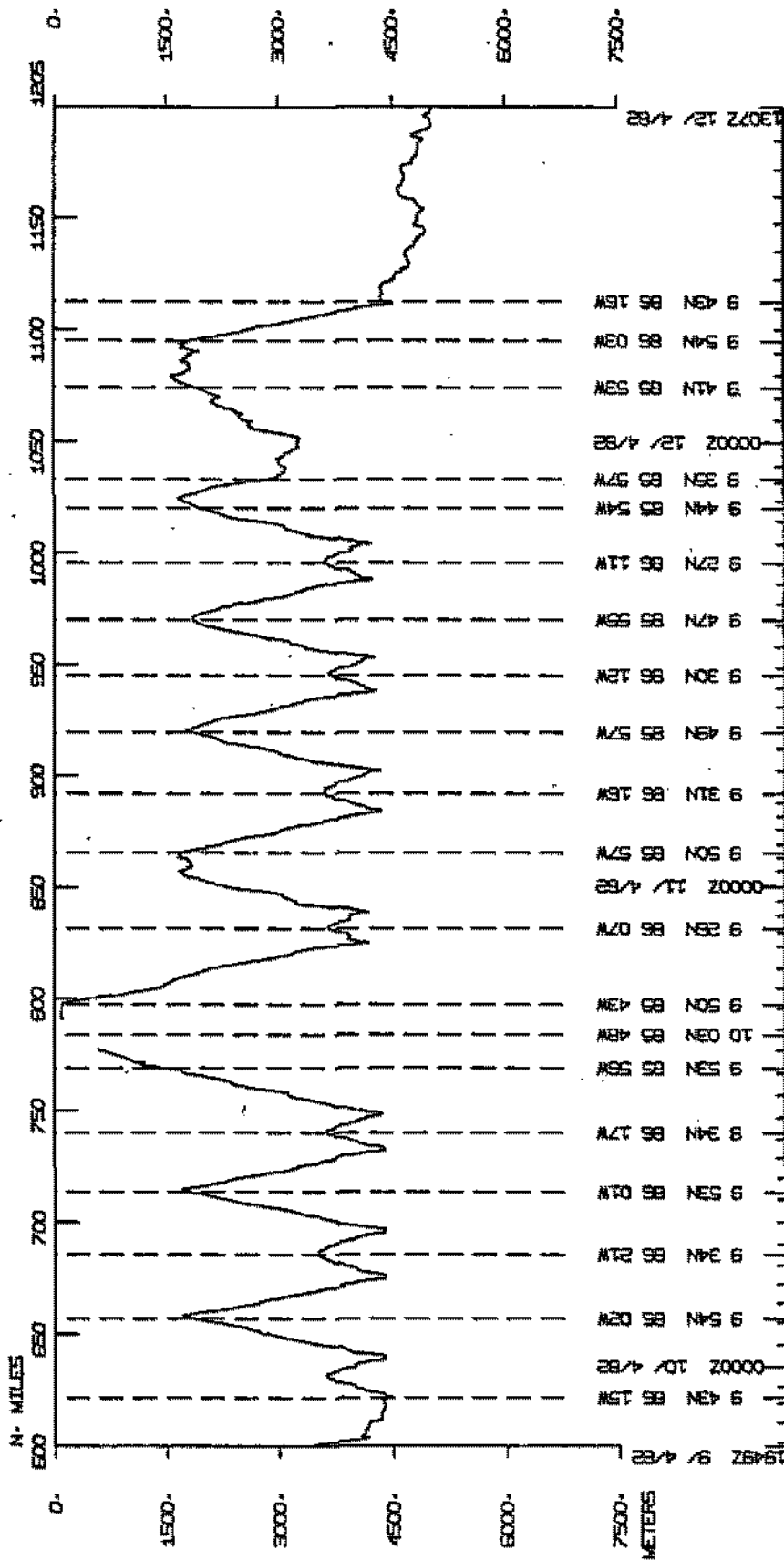
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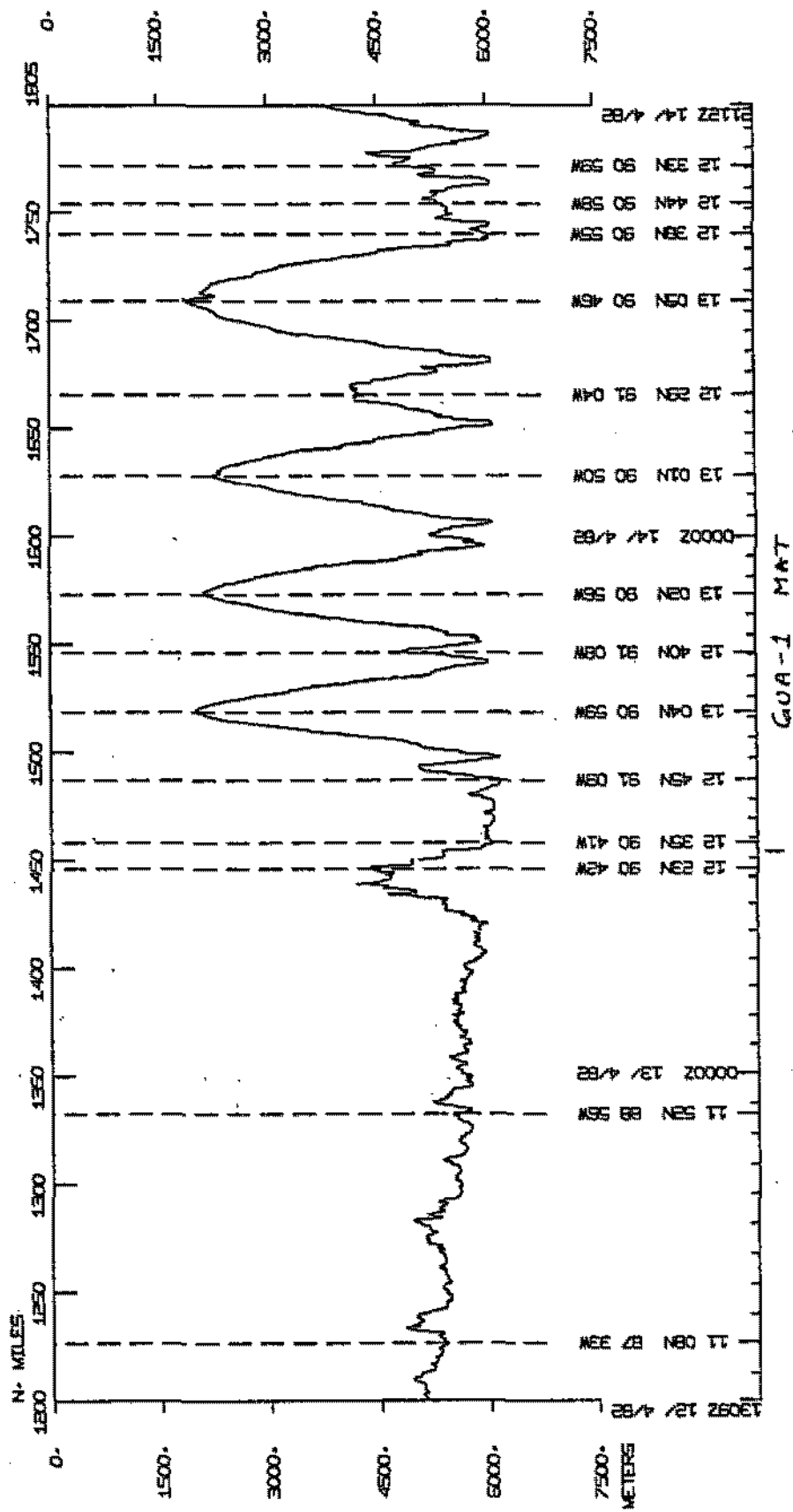
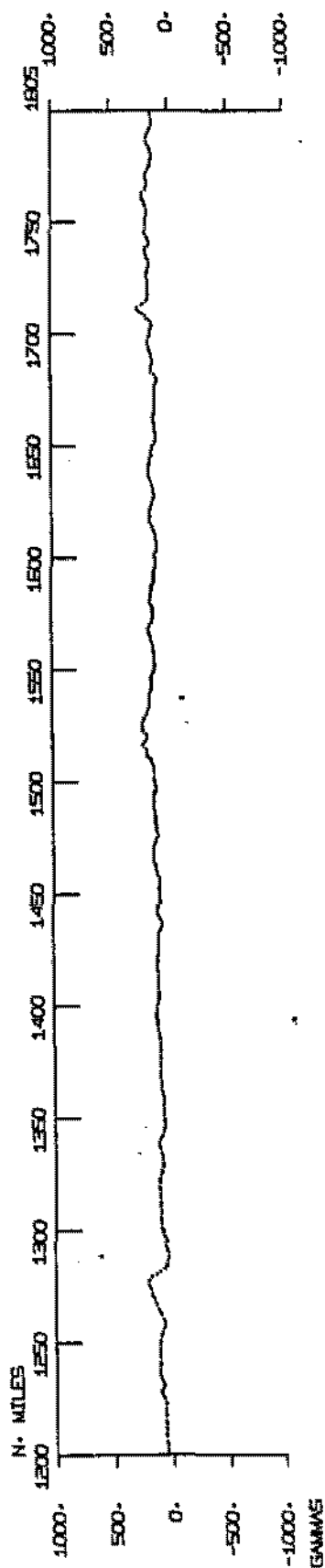
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SEABEAM

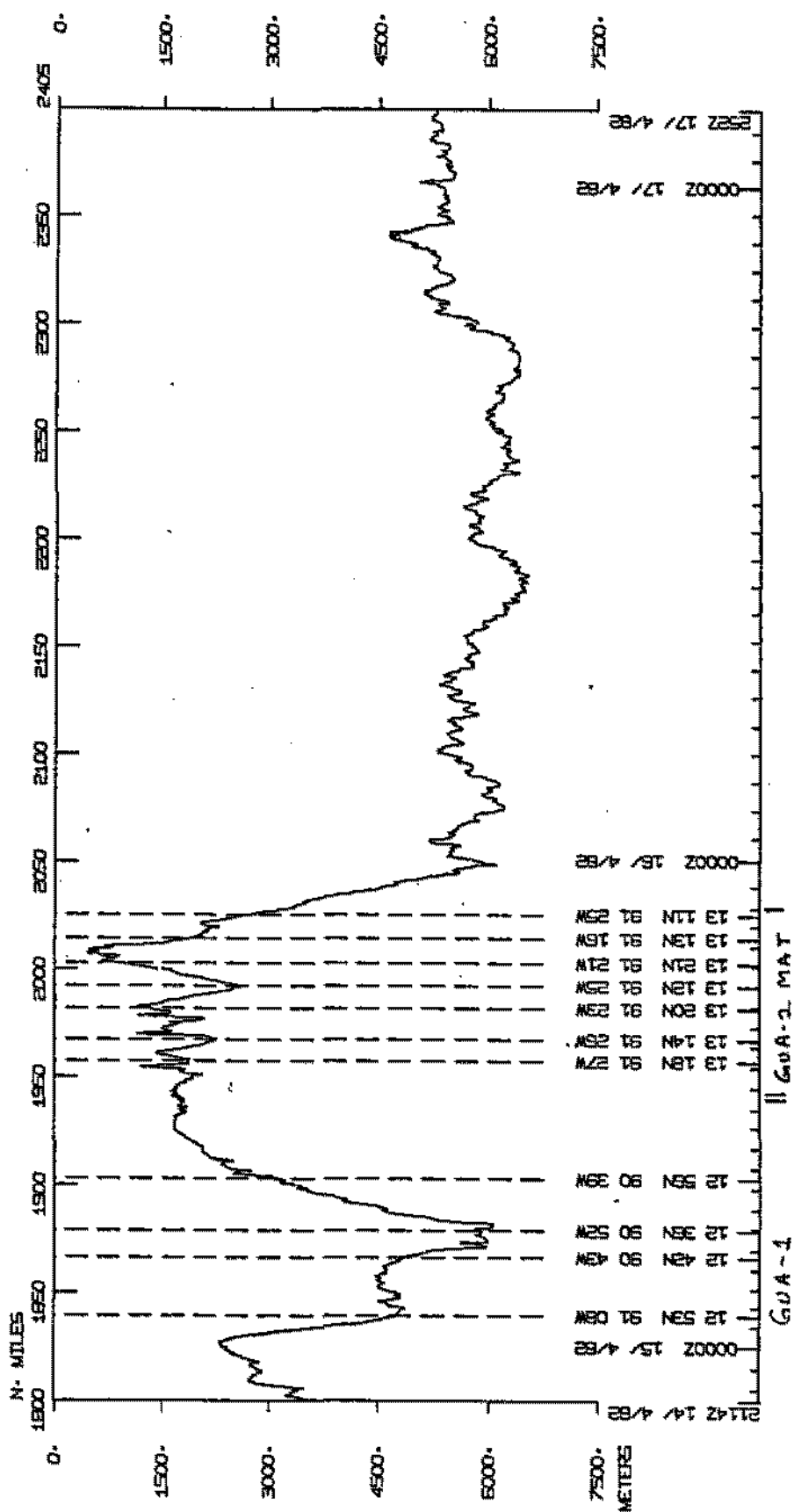
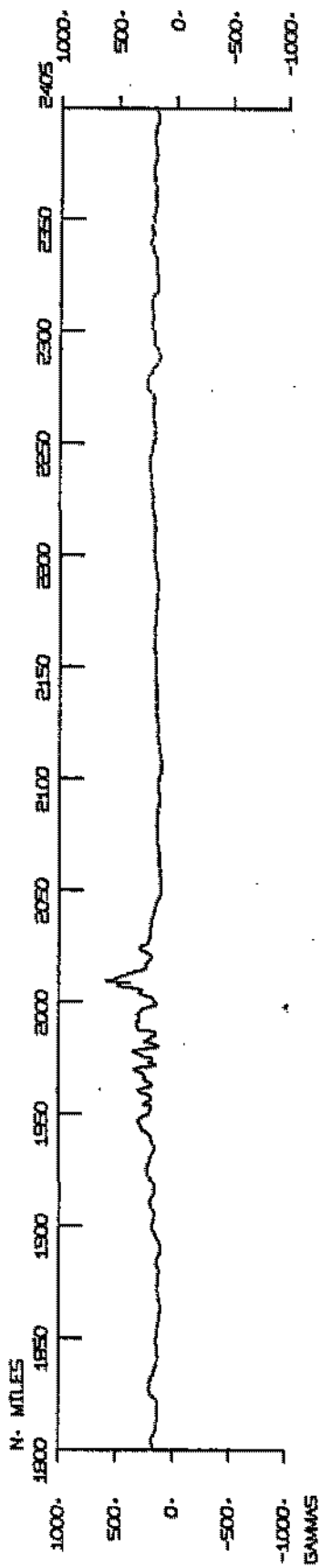
ARIAO3WT

CR-2 MAT

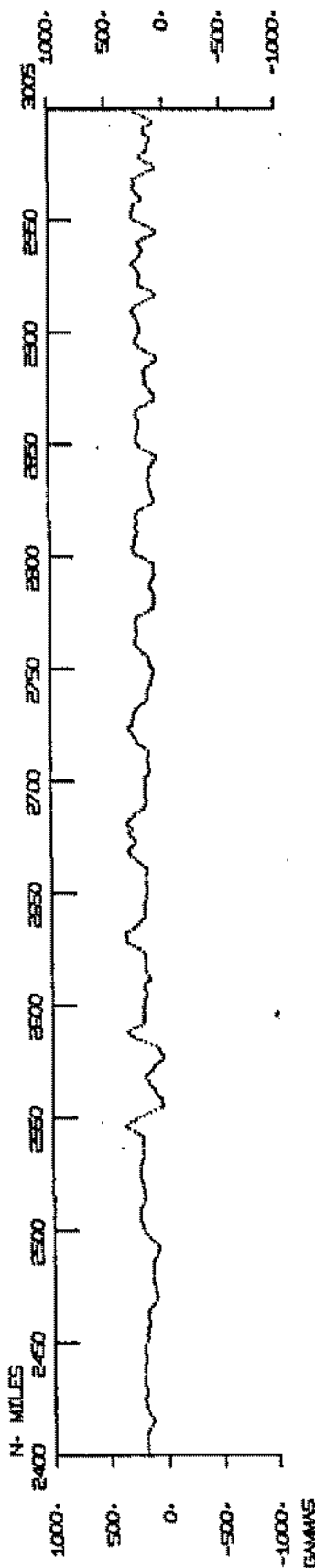
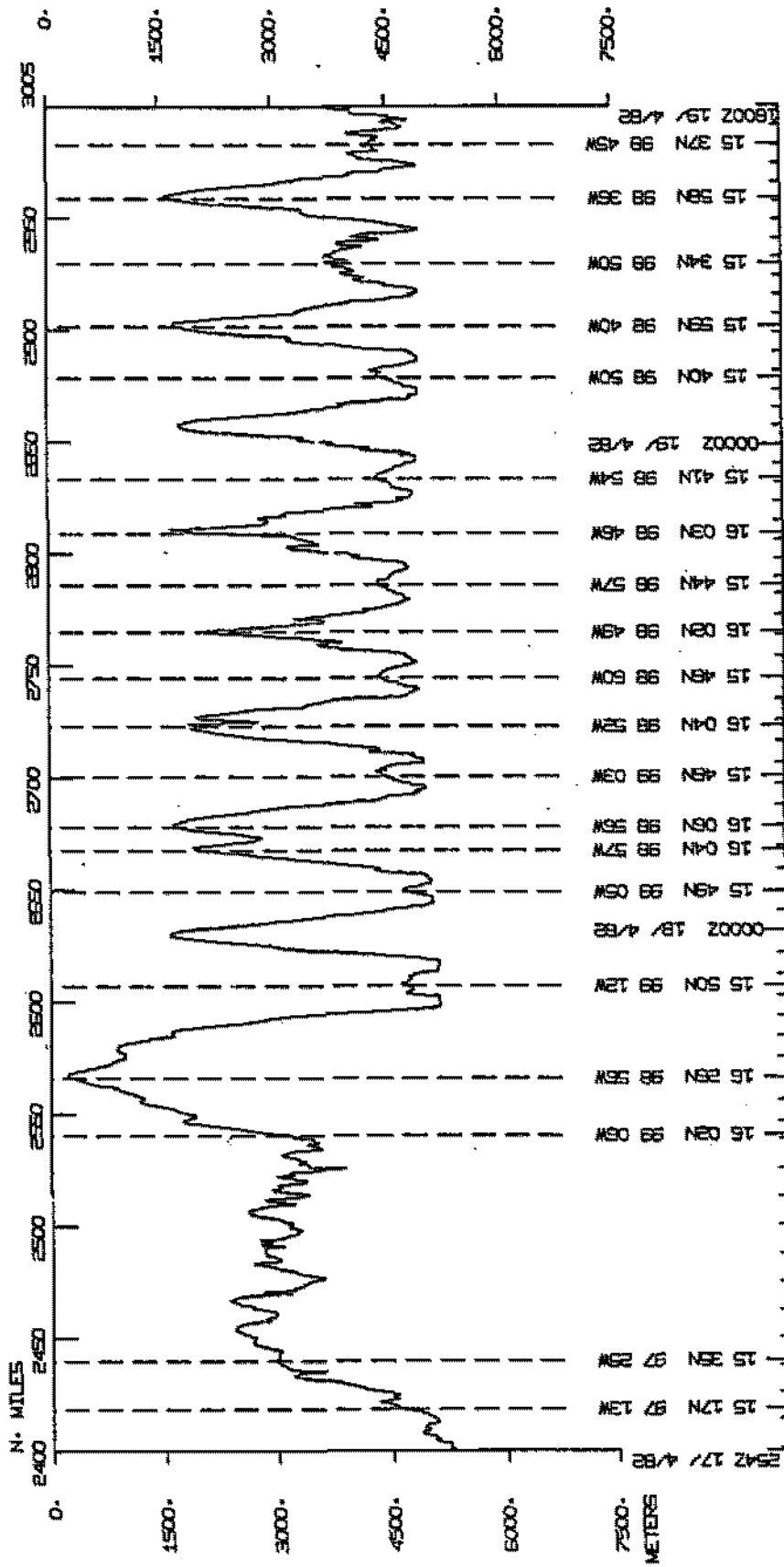




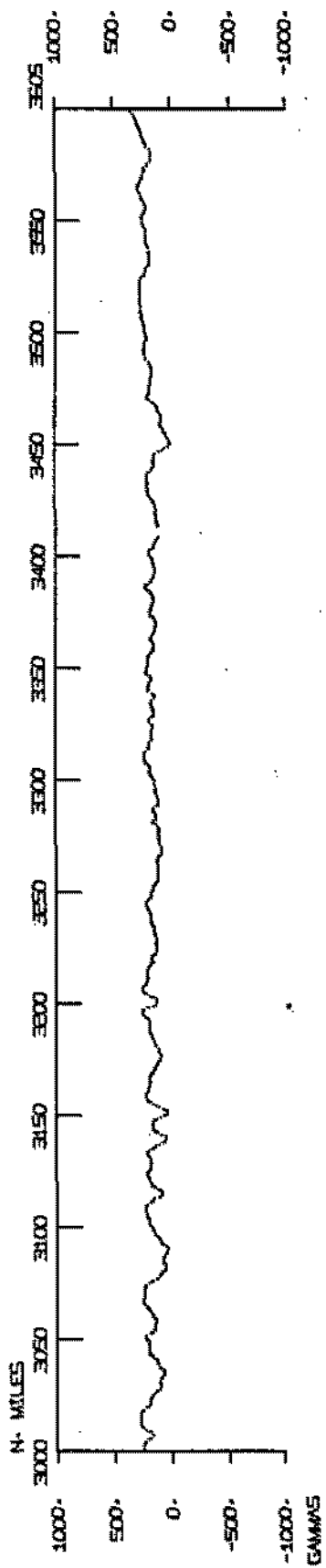
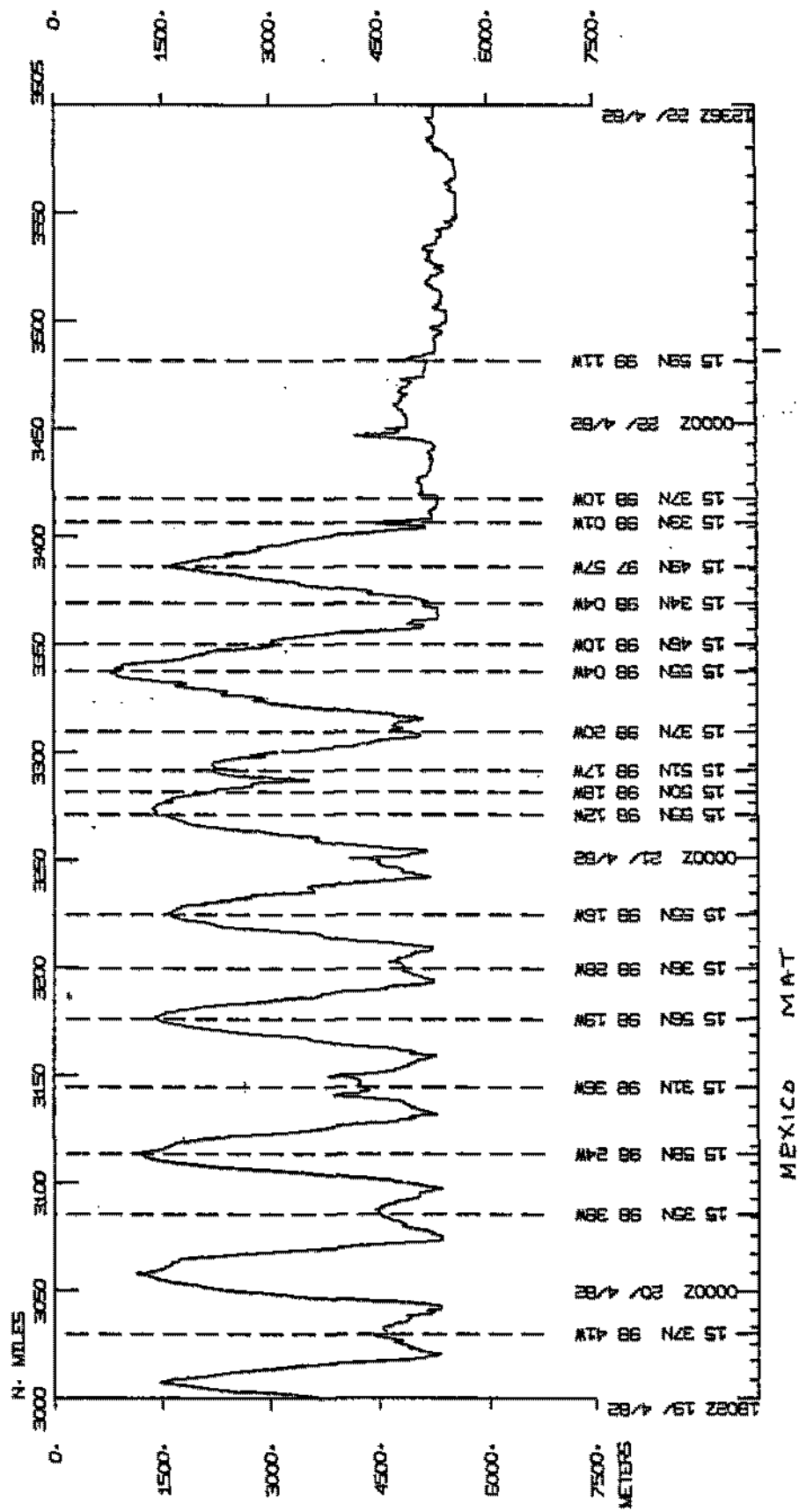
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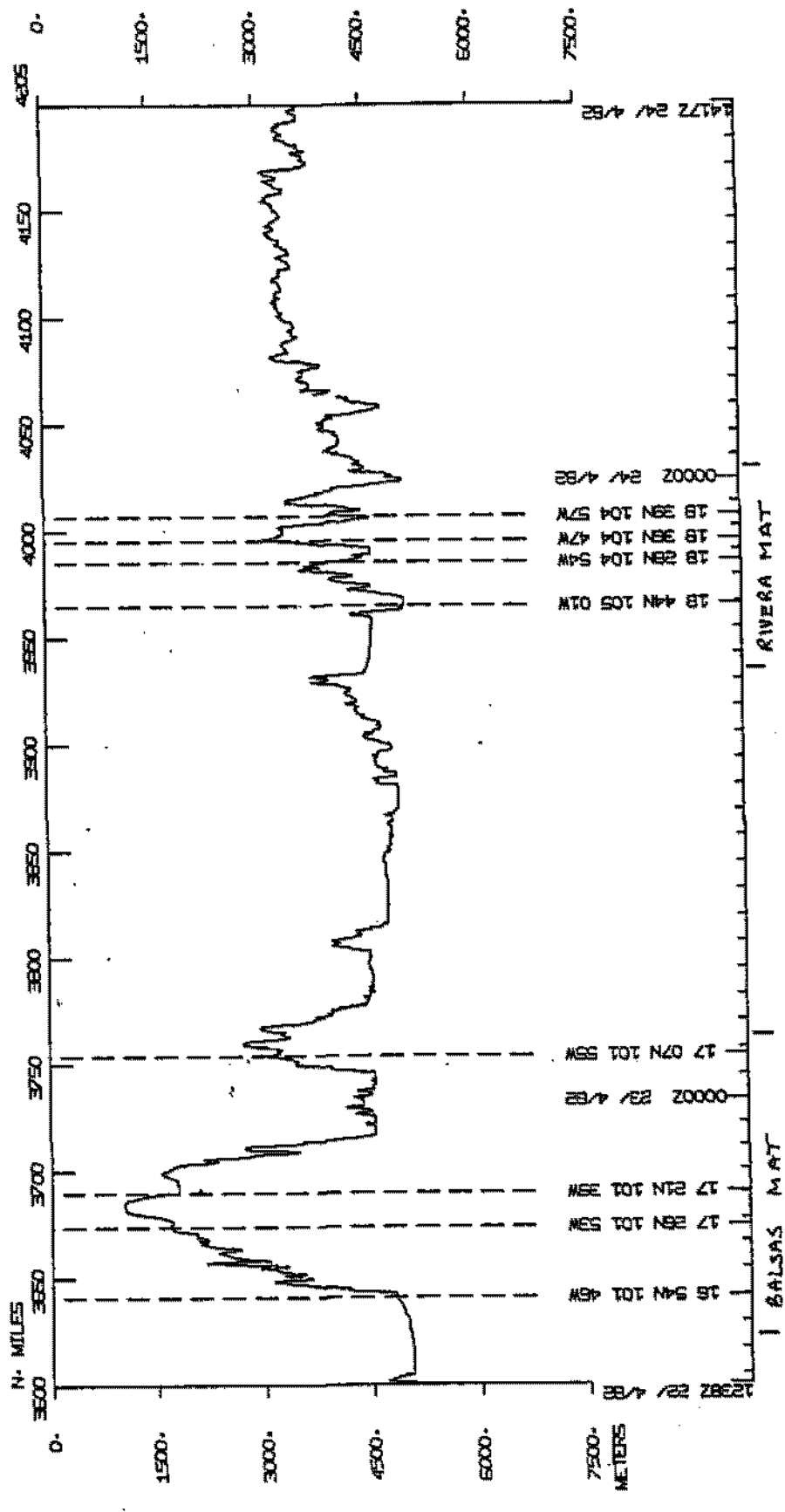
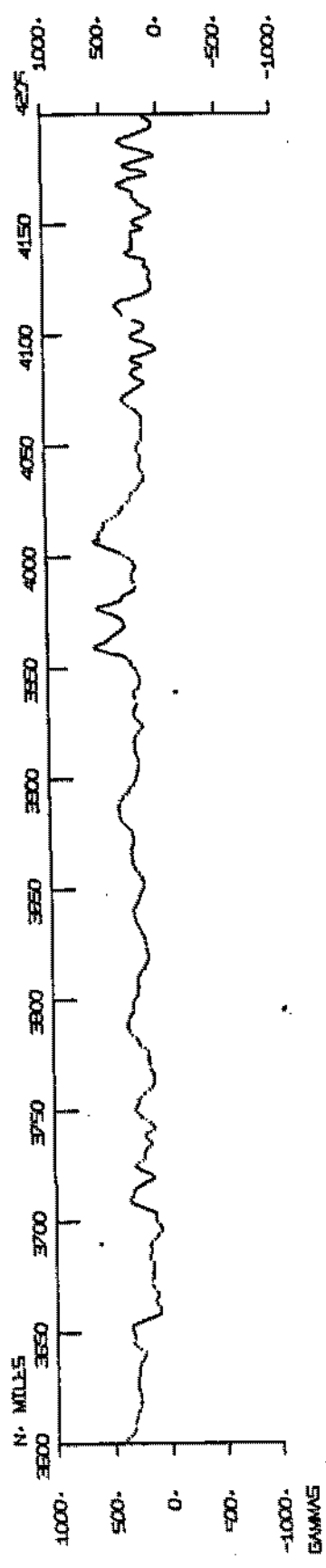
ARIACSWT



ARIAO3WT



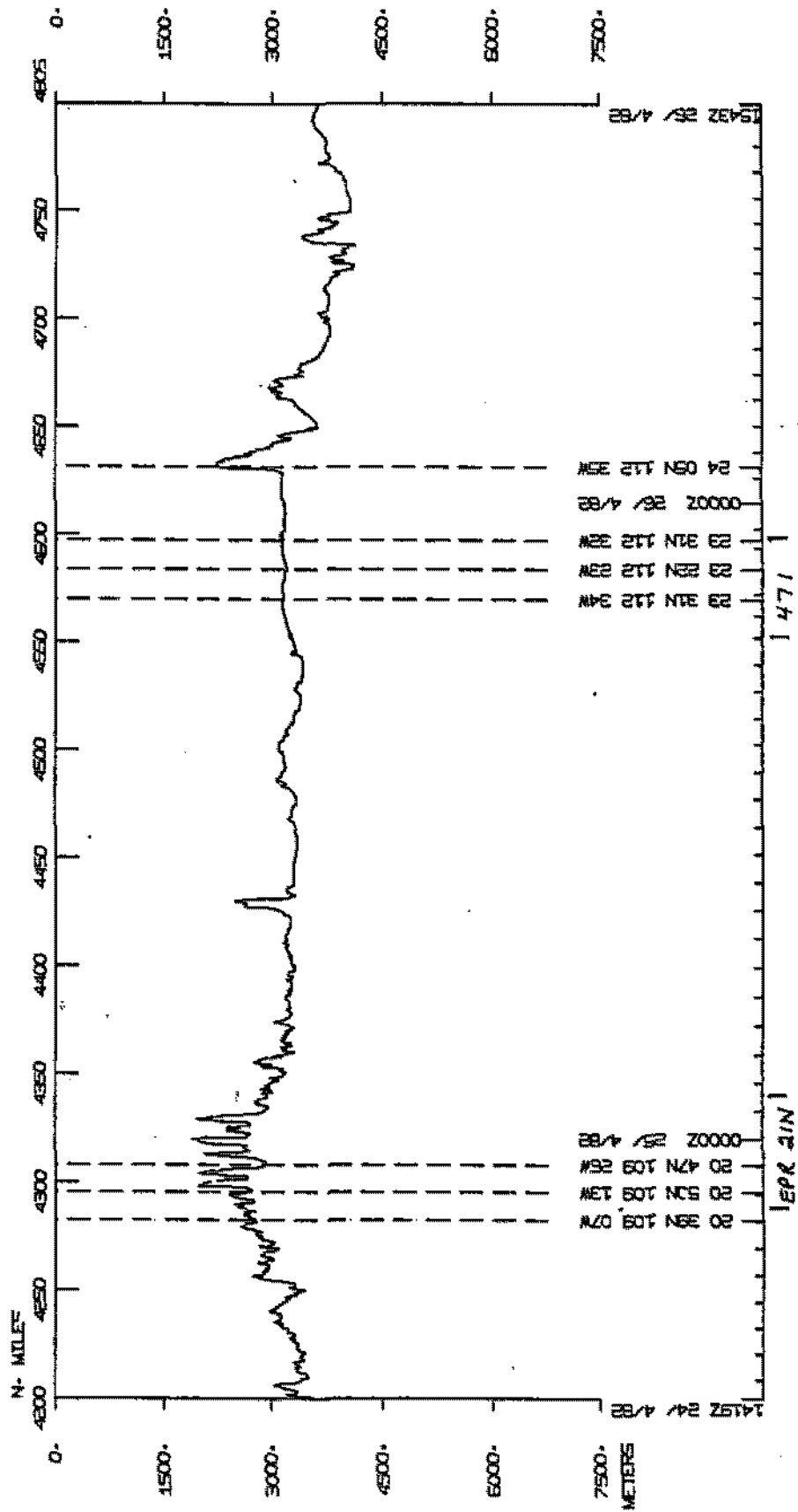
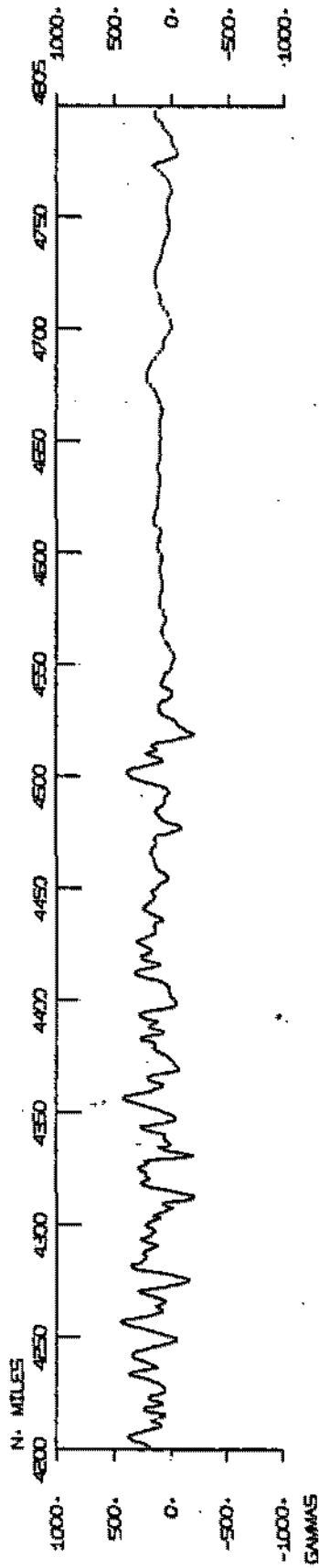
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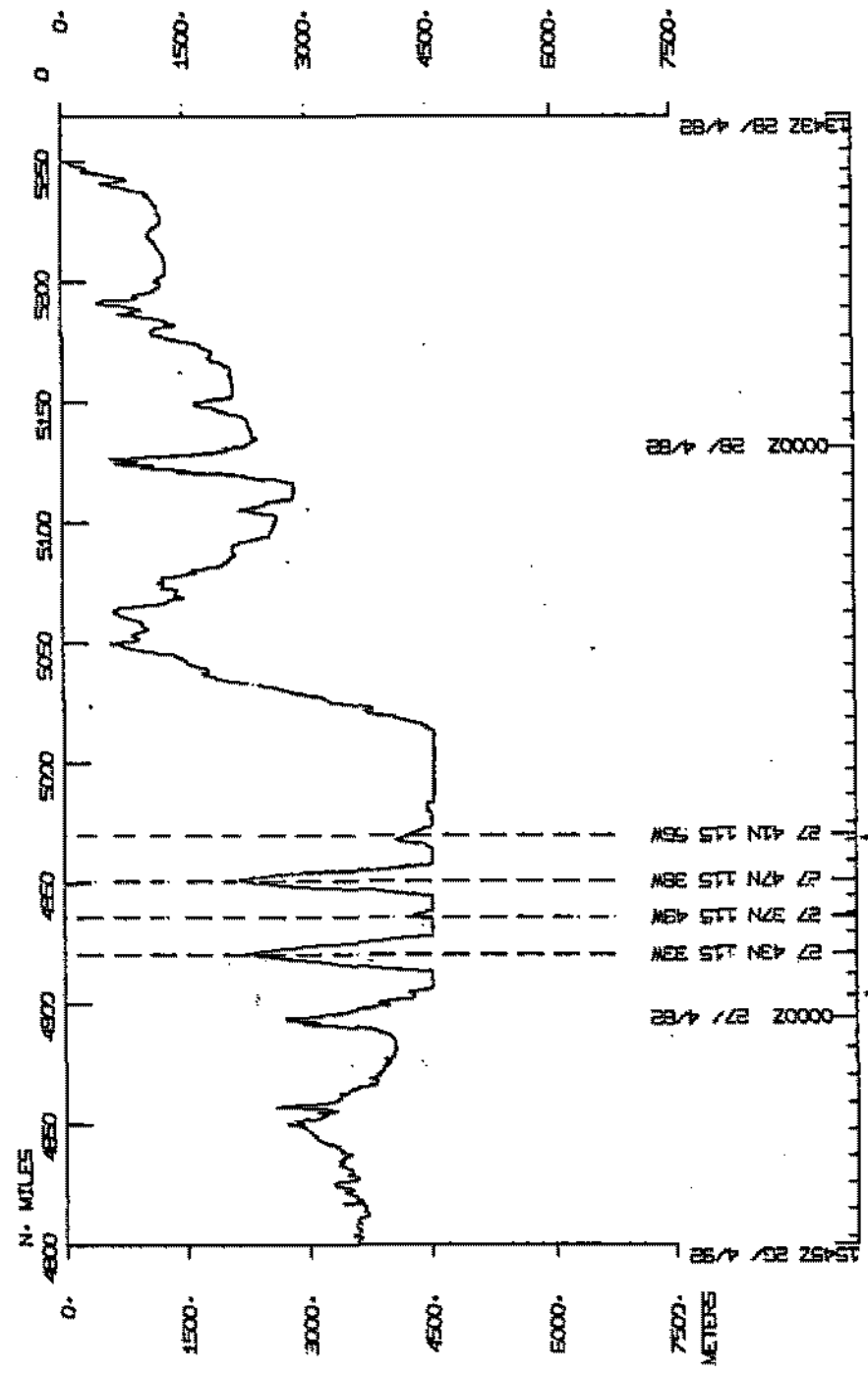
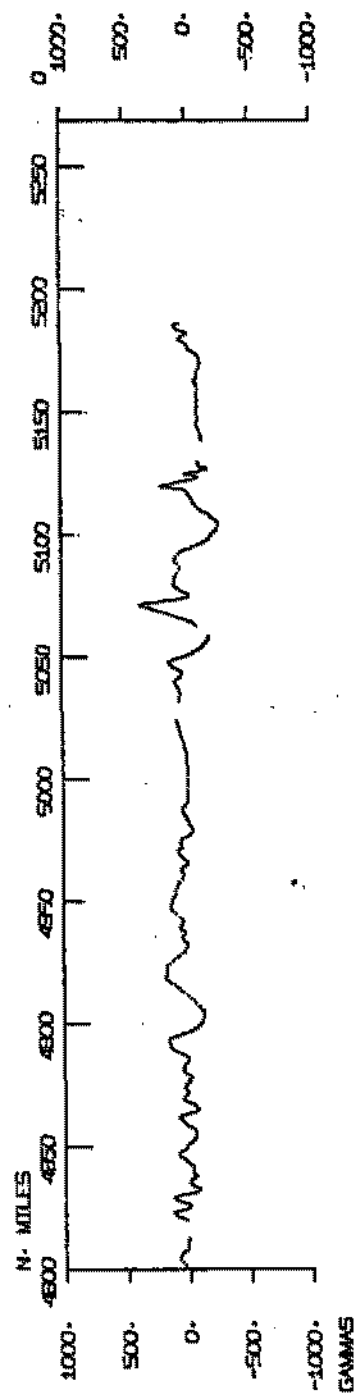
RIVERA MAT

BALSAS MAT

ARIAO3WT



ARIADWIT



S.I.O. Sample Index

(Issued June 1982)

ARIADNE EXPEDITION

Leg 3

Puntarenas, Costa Rica (6 April 1982)
to
San Diego, Calif. (28 April 1982)

R/V T. Washington

Co-Chief Scientists - T. Shipley & G. Moore (SIO)

Resident Marine Technician - R. Gilchrist

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

Index Encoding Funded by NSF
Grant Number OCE88-22996
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.)

GENERATED 01 JUL 82

(AKIAD3WT) ***

60E 120E 180 120W 60W 0W

TU

CHIEF SCIENTISTS - SHIPLEY, T. GRD
MODRE, G. GRD

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
	HT	DP	GV	LB	MB	MG	PE	SP	SR	TG		
GDC	1	1	4	2	1	33	2	1	17	20	1	88
GRD	1				1		5				1	6
MPL	1						2				1	2
MTG	1						3				1	3
SIX	1						5				1	5
TOTAL	1	1	4	2	1	34	2	16	17	20	1	104

SAMPLE 'TYPE' CODES USED ABOVE

BT = BATHYTHERMOGRAPH
 DP = DEPTH
 GV = GRAVITY
 LB = LOG BOOKS
 MB = MULTI-BEAM (SEABEAM) ECHOSOUNDER
 MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
 PE = PERSONNEL IN SCIENTIFIC PARTY
 SP = SEISMIC REFLECTION PROFILE AIRGUN
 SR = SEISMIC RUN
 TG = THERMOGRAPH

SAMPLE 'DISP' CODES USED ABOVE

GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
 GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
 MPL = MARINE PHYSICAL LAB. (EXT 2305)
 MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
 SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT. 3675)

01JUL82 PAGE 1

GET D / M / Y	LIC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	LEG-SHIP
TIME DATE	TIME T2	SAMP		DISP			CRUISE
			ARIA03WT SAMPLE INDEX	ARIA03WT			

*** PORTS ***

2315 6/ 4/82		LGPT B PUNTARENAS,C.R.	09 59. N 84 50. W F ARIA03WT
1500 28/ 4/82		LGPT E SAN DIEGO,CAL.	32 43. N 117 11. W F ARIA03WT

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
--------------	---------------	---------------------

1 SHIPLEY,T.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
2 MOORE,G.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3 GLICHRIST,R.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 STUBER,D.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 SMITH,M.	SEAHEAM OPERATOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6 CRAMPTON,P.	AIRGUN TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7 HENKART,P.	SP. PROGRAM.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
8 PAVLICEK,V.	DEVLMT. ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
9 ROHRP,J.	STUDENT	SCRIPPS INSTITUTION MIN-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
10 PERD,D.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
11 DE MOUSTIER,G.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
12 VOLPE,A.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
13 STU,D.(COSTA RICA)	OBSERVER	SCRIPPS INSTITUTION MIN-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
14 LEANDRO,G.(C.RICA)	OBSERVER	SCRIPPS INSTITUTION MIN-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
15 ARIAS,L.(GUATEMA.)	OBSERVER	SCRIPPS INSTITUTION MIN-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
16 SANDOVAL,H.	MEXICAN OBSERVER	SCRIPPS INSTITUTION MIN-EMPLOYEE - CONTACT D. UTTER (EXT.3675)

NOTES AN 'X' IN THE (BEGIN/END) 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. (IMBEDDED 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.	PAGE	2	LEG-SHIP
TIME DATE	TIME TZ	SAMP		DISP					CRUISE

UNDERWAY DATA CURATOR - STUART SMITH (EXT.2752)

*** LOG BOOKS ***

2315 6/ 4/82	LRIW B UNDERWAY WATCH LOG	GDC 09 48.6N 84 46.8W S ARIA03WT
1200 28/ 4/82	LRIW E UNDERWAY WATCH LOG	GDC 32 18.4N 117 08.7W S ARIA03WT

*** FATHOGRAMS ***

2332 6/ 4/82	DPR3 B EPC 3.5KH7 R-01	GDC 09 48.6N 84 46.8W S ARIA03WT
2125 10/ 4/82	DPR3 E EPC 3.5KH7 R-01	GDC 09 27.5N 86 07.5W S ARIA03WT
2133 10/ 4/82	DPR3 B EPC 3.5KH7 R-02	GDC 09 28.1N 86 06.9W S ARIA03WT
1935 24/ 4/82	DPR3 E EPC 3.5KH7 R-02	GDC 20 32.2N 108 48.8W S ARIA03WT
1942 24/ 4/82	DPR3 B EPC 3.5KH7 R-03	GDC 20 32.8N 108 50.2W S ARIA03WT
2204 27/ 4/82	DPR3 E EPC 3.5KH7 R-03	GDC 29 56.9N 116 28.6W S ARIA03WT
2210 27/ 4/82	DPR3 B EPC 3.5KH7 R-04	GDC 29 58.0N 116 28.9W S ARIA03WT
1140 28/ 4/82	DPR3 E EPC 3.5KH7 R-04	GDC 32 15.7N 117 08.3W S ARIA03WT

*** MAGNETOMETER ***

0705 7/ 4/82	MGRA B MAGNETICS R-01	GDC 09 31.4N 84 53.8W S ARIA03WT
0305 17/ 4/82	MGRA E MAGNETICS R-01	GDC 15 17.6N 96 56.5W S ARIA03WT
0315 17/ 4/82	MGRA B MAGNETICS R-02	GDC 15 17.9N 96 58.7W S ARIA03WT
0454 28/ 4/82	MGRA E MAGNETICS R-02	GDC 31 14.0N 116 49.3W S ARIA03WT

*** SEISMIC REFLECTION PROFILES ***

0005 7/ 4/82	SPRF B AIRGUN-FAST 4S R-01	GDC 09 48.6N 84 46.8W S ARIA03WT
1647 9/ 4/82	SPRF E AIRGUN-FAST 4S R-01	GDC 09 28.4N 85 53.3W S ARIA03WT
1704 9/ 4/82	SPRF B AIRGUN-FAST 4S R-02	GDC 09 29.3N 85 55.2W S ARIA03WT
0515 12/ 4/82	SPRF E AIRGUN-FAST 4S R-02	GDC 09 49.3N 86 08.9W S ARIA03WT
0739 13/ 4/82	SPRF B AIRGUN-FAST 4S R-03	GDC 12 25.7N 90 42.5W S ARIA03WT
1023 15/ 4/82	SPRF E AIRGUN-FAST 4S R-03	GDC 13 06.0N 90 52.8W S ARIA03WT
1029 15/ 4/82	SPRF B AIRGUN-FAST 4S R-04	GDC 13 06.4N 90 53.7W S ARIA03WT
0011 16/ 4/82	SPRF E AIRGUN-FAST 4S R-04	GDC 12 53.3N 91 38.3W S ARIA03WT
1437 17/ 4/82	SPRF B AIRGUN-FAST 4S R-05	GDC 16 04.8N 99 05.4W S ARIA03WT
0408 20/ 4/82	SPRF E AIRGUN-FAST 4S R-05	GDC 15 34.9N 98 38.2W S ARIA03WT
0418 20/ 4/82	SPRF B AIRGUN-FAST 4S R-06	GDC 15 34.2N 98 36.9W S ARIA03WT
1727 21/ 4/82	SPRF E AIRGUN-FAST 4S R-06	GDC 15 32.9N 98 03.6W S ARIA03WT

GMT D / M / Y	LOC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	PAGE	3
TIME DATE	TIME TZ	SAMP		DISP				LEG-SHIP
								CRUISE

1949 21/ 4/82		SPRF B	AIRGUN-FAST 4S R-07	GDC 15	34.3N	98 07.9W	S	ARIA03WT
0239 23/ 4/82		SPRF E	AIRGUN-FAST 4S R-07	GDC 17	09.1N	102 07.3W	S	ARIA03WT
0250 23/ 4/82		SPRF B	AIRGUN-FAST 4S R-08	GDC 17	09.2N	102 09.7W	S	ARIA03WT
0100 24/ 4/82		SPRF E	AIRGUN-FAST 4S R-08	GDC 18	45.8N	105 13.5W	S	ARIA03WT
1848 25/ 4/82		SPRF B	AIRGUN-FAST 4S R-09	GDC 23	24.4N	112 26.4W	S	ARIA03WT
0902 27/ 4/82		SPRF E	AIRGUN-FAST 4S R-09	GDC 27	40.3N	115 54.8W	S	ARIA03WT
0005 7/ 4/82		SPRS B	AIRGUN-SLOW 8S R-01	GDC 09	48.6N	84 46.8W	S	ARIA03WT
1705 9/ 4/82		SPRS E	AIRGUN-SLOW 8S R-01	GDC 09	29.4N	85 55.3W	S	ARIA03WT
1711 9/ 4/82		SPRS B	AIRGUN-SLOW 8S R-02	GDC 09	29.7N	85 56.1W	S	ARIA03WT
0515 12/ 4/82		SPRS E	AIRGUN-SLOW 8S R-02	GDC 09	49.3N	86 08.9W	S	ARIA03WT
0739 13/ 4/82		SPRS B	AIRGUN-SLOW 8S R-03	GDC 12	25.7N	90 42.5W	S	ARIA03WT
0703 15/ 4/82		SPRS E	AIRGUN-SLOW 8S R-03	GDC 12	44.9N	90 46.4W	S	ARIA03WT
0709 15/ 4/82		SPRS B	AIRGUN-SLOW 8S R-04	GDC 12	45.6N	90 45.7W	S	ARIA03WT
0011 16/ 4/82		SPRS E	AIRGUN-SLOW 8S R-04	GDC 12	53.3N	91 38.3W	S	ARIA03WT
1437 17/ 4/82		SPRS B	AIRGUN-SLOW 8S R-05	GDC 16	04.8N	99 05.4W	S	ARIA03WT
0408 20/ 4/82		SPRS E	AIRGUN-SLOW 8S R-05	GDC 15	34.9N	98 38.2W	S	ARIA03WT
0415 20/ 4/82		SPRS B	AIRGUN-SLOW 8S R-06	GDC 15	34.4N	98 37.3W	S	ARIA03WT
0414 21/ 4/82		SPRS E	AIRGUN-SLOW 8S R-06	GDC 15	47.2N	98 18.9W	S	ARIA03WT
0420 21/ 4/82		SPRS B	AIRGUN-SLOW 8S R-07	GDC 15	47.8N	98 19.3W	S	ARIA03WT
0100 24/ 4/82		SPRS E	AIRGUN-SLOW 8S R-07	GDC 18	45.8N	105 13.5W	S	ARIA03WT
1848 25/ 4/82		SPRS B	AIRGUN-SLOW 8S R-08	GDC 23	24.4N	112 26.4W	S	ARIA03WT
0902 27/ 4/82		SPRS E	AIRGUN-SLOW 8S R-08	GDC 27	40.3N	115 54.8W	S	ARIA03WT

SEABEAM SWATH BOOK - REALTIME CONTOUR SWATH

1232 7/ 4/82		MRSB B	SB SIKVEY SWATH BOOK	GRD 08	52.2N	85 22.3W	S	ARIA03WT
1145 28/ 4/82		MRSB E	1 THRU 11	GRD 32	16.4N	117 08.4W	S	ARIA03WT
0124 7/ 4/82		MRSB B	SB SWATH BOOK 01	GDC 09	41.6N	84 47.3W	S	ARIA03WT
1638 7/ 4/82		MRSB E	SB SWATH BOOK 01	GDC 08	51.5N	85 21.3W	S	ARIA03WT
1638 7/ 4/82		MRSB B	SB SWATH BOOK 02	GDC 08	57.5N	85 21.3W	S	ARIA03WT
0134 10/ 4/82		MRSB E	SB SWATH BOOK 02	GDC 09	50.1N	86 06.6W	S	ARIA03WT
0134 10/ 4/82		MRSB B	SB SWATH BOOK 03	GDC 09	50.1N	86 06.6W	S	ARIA03WT
0936 12/ 4/82		MRSB E	SB SWATH BOOK 03	GDC 10	15.2N	86 45.2W	S	ARIA03WT
0936 12/ 4/82		MRSB B	SB SWATH BOOK 04	GDC 10	15.2N	86 45.2W	S	ARIA03WT
0458 14/ 4/82		MRSB E	SB SWATH BOOK 04	GDC 12	45.8N	90 56.9W	S	ARIA03WT

GMT D /B /Y	LIC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	LEG-SHIP
TIME DATE	TIME T2	SAMP		DISP			CRUISE
0458 16/ 4/82		MSSH B SB	SWATH BOOK 05	GDC 12	48.6N	90 56.9W	S ARIA03WT
0845 16/ 4/82		MSSH E SB	SWATH BOOK 05	GDC 13	48.2N	93 14.5W	S ARIA03WT
0846 16/ 4/82		MSSH B SB	SWATH BOOK 06	GDC 13	48.2N	93 14.7W	S ARIA03WT
0256 18/ 4/82		MSSH E SB	SWATH BOOK 06	GDC 15	56.8N	99 01.2W	S ARIA03WT
0256 18/ 4/82		MSSH B SB	SWATH BOOK 07	GDC 15	56.8N	99 01.2W	S ARIA03WT
1354 20/ 4/82		MSSH E SB	SWATH BOOK 07	GDC 15	49.4N	98 24.3W	S ARIA03WT
1354 20/ 4/82		MSSH B SB	SWATH BOOK 08	GDC 15	49.4N	98 24.3W	S ARIA03WT
1725 22/ 4/82		MSSH E SB	SWATH BOOK 08	GDC 17	12.1N	101 51.4W	S ARIA03WT
1725 22/ 4/82		MSSH B SB	SWATH BOOK 09	GDC 17	12.1N	101 51.4W	S ARIA03WT
1153 24/ 4/82		MSSH E SB	SWATH BOOK 09	GDC 19	44.7N	107 21.5W	S ARIA03WT
1153 24/ 4/82		MSSH B SB	SWATH BOOK 10	GDC 19	44.7N	107 21.5W	S ARIA03WT
0348 26/ 4/82		MSSH E SB	SWATH BOOK 10	GDC 24	24.7N	112 57.5W	S ARIA03WT
0348 26/ 4/82		MSSH B SB	SWATH BOOK 11	GDC 24	24.7N	112 57.5W	S ARIA03WT
0235 28/ 4/82		MSSH E SB	SWATH BOOK 11	GDC 30	46.3N	116 43.1W	S ARIA03WT
0235 28/ 4/82		MSSH B SB	SWATH BOOK 12	GDC 30	46.3N	116 43.1W	S ARIA03WT
1133 28/ 4/82		MSSH E SB	SWATH BOOK 12	GDC 32	14.7N	117 08.2W	S ARIA03WT

SEABEAM MAG TAPE - RAW LOGGED DATA

2117 31/ 3/82		MRMT B SB	MAG TAPE 01	GDC 09	48.6N	84 46.8W	S ARIA03WT
0400 11/ 4/82		MRMT E SB	MAG TAPE 01	GDC 09	43.6N	86 05.0W	S ARIA03WT
0400 11/ 4/82		MRMT B SB	MAG TAPE 02	GDC 09	43.6N	86 05.0W	S ARIA03WT
1240 17/ 4/82		MRMT E SB	MAG TAPE 02	GDC 15	56.7N	96 47.1W	S ARIA03WT
1240 17/ 4/82		MRMT B SB	MAG TAPE 03	GDC 15	56.7N	96 47.1W	S ARIA03WT
1145 28/ 4/82		MRMT E SB	MAG TAPE 03	GDC 32	16.4N	117 08.4W	S ARIA03WT

SEABEAM MONITOR RECORD - VERTICAL BEAM

2329 6/ 4/82		MRNR B SB	UGR MONITOR R-01	GDC 09	48.6N	84 46.8W	S ARIA03WT
1812 8/ 4/82		MRNR E SB	UGR MONITOR R-01	GDC 09	10.3N	85 21.2W	S ARIA03WT
1828 8/ 4/82		MRNR B SB	UGR MONITOR R-02	GDC 09	11.9N	85 19.2W	S ARIA03WT
1145 28/ 4/82		MRNR E SB	UGR MONITOR R-02	GDC 32	16.4N	117 08.4W	S ARIA03WT

SEABEAM SOUND VELOCITY PROFILE

1940 7/ 4/82		MRVP B	SOUND VELOCITY 01	GDC 09	14.0N	85 14.8W	S ARIA03WT
0455 13/ 4/82		MRVP E	SOUND VELOCITY 01	GDC 12	23.4N	90 11.9W	S ARIA03WT
0455 13/ 4/82		MRVP B	SOUND VELOCITY 02	GDC 12	23.4N	90 11.9W	S ARIA03WT
0335 24/ 4/82		MRVP E	SOUND VELOCITY 02	GDC 18	58.6N	105 43.4W	S ARIA03WT

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GMT D / M / Y	LOC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	LEG-SHIP
TIME DATE	TIME T2	SAMP		DISP			CRUISE

0335 24/ 4/82		MRVP H	SOUND VELOCITY 03	GDC 18	58.6N	105 43.4W	S ARIA03WT
1732 24/ 4/82		MRVP F	SOUND VELOCITY 03	GDC 20	22.3N	108 23.9W	S ARIA03WT
1732 24/ 4/82		MRVP H	SOUND VELOCITY 04	GDC 20	22.3N	108 23.9W	S ARIA03WT
1611 25/ 4/82		MRVP E	SOUND VELOCITY 04	GDC 23	05.0N	112 01.0W	S ARIA03WT
1611 25/ 4/82		MRVP B	SOUND VELOCITY 05	GDC 23	05.0N	112 01.0W	S ARIA03WT
1608 26/ 4/82		MRVP E	SOUND VELOCITY 05	GDC 26	19.9N	114 31.8W	S ARIA03WT
1608 26/ 4/82		MRVP B	SOUND VELOCITY 06	GDC 26	19.9N	114 31.8W	S ARIA03WT
1145 28/ 4/82		MRVP E	SOUND VELOCITY 06	GDC 32	16.4N	117 08.4W	S ARIA03WT

SEAREAM SURVEY

0900 7/ 4/82		MRSV B	SURVEY CR-1 MAT	GDC 09	20. N	85 00. W	R ARIA03WT
1100 9/ 4/82		MRSV E	SURVEY CR-1 MAT	GDC 08	40. N	85 50. W	R ARIA03WT
1315 9/ 4/82		MRSV B	SURVEY CR-2 MAT	GDC 10	00. N	85 40. W	R ARIA03WT
0745 12/ 4/82		MRSV E	SURVEY CR-2 MAT	GDC 09	20. N	86 30. W	R ARIA03WT
0815 13/ 4/82		MRSV B	SURVEY CIA-1 MAT	GDC 13	10. N	90 30. W	R ARIA03WT
1230 15/ 4/82		MRSV E	SURVEY CIA-1 MAT	GDC 12	20. N	91 20. W	R ARIA03WT
1245 15/ 4/82		MRSV B	SURVEY CIA-2 MAT	GDC 13	30. N	91 00. W	R ARIA03WT
2200 15/ 4/82		MRSV E	SURVEY CIA-2 MAT	GDC 12	00. N	91 40. W	R ARIA03WT
0730 17/ 4/82		MRSV B	SURVEY MEXICO MAT	GDC 16	20. N	98 00. W	R ARIA03WT
0330 22/ 4/82		MRSV E	SURVEY MEXICO MAT	GDC 15	30. N	99 30. W	R ARIA03WT
1430 22/ 4/82		MRSV B	SURVEY PAISAS MAT	GDC 17	40. N	101 30. W	R ARIA03WT
0230 23/ 4/82		MRSV E	SURVEY PAISAS MAT	GDC 16	40. N	102 70. W	R ARIA03WT
1630 23/ 4/82		MRSV B	SURVEY RIVERA MAT	GDC 19	00. N	104 40. W	R ARIA03WT
0030 24/ 4/82		MRSV E	SURVEY RIVERA MAT	GDC 18	20. N	105 10. W	R ARIA03WT
2130 24/ 4/82		MRSV B	SURVEY FPR 21N	GDC 21	00. N	109 00. W	R ARIA03WT
0130 25/ 4/82		MRSV E	SURVEY FPR 21N	GDC 20	30. N	109 40. W	R ARIA03WT
1800 25/ 4/82		MRSV B	SURVEY PSDP SITE 471	GDC 23	40. N	112 10. W	R ARIA03WT
2230 25/ 4/82		MRSV E	SURVEY PSDP SITE 471	GDC 23	10. N	112 50. W	R ARIA03WT
0100 27/ 4/82		MRSV B	SURVEY CEDROS MAT	GDC 28	00. N	115 70. W	R ARIA03WT
0902 27/ 4/82		MRSV E	SURVEY CEDROS MAT	GDC 27	20. N	116 00. W	R ARIA03WT

SEISMIC RUN, SINGLE SONOBUOY

0121 11/ 4/82	SRSS	SONOBUOY 36	GDC 09	46.4N	85 52.7W	S ARIA03WT
0153 11/ 4/82	SRSS	SONOBUOY 37	GDC 09	48.6N	85 55.3W	S ARIA03WT
2235 11/ 4/82	SRSS	SONOBUOY 38	GDC 09	37.0N	85 58.9W	S ARIA03WT
2242 11/ 4/82	SRSS	SONOBUOY 39	GDC 09	37.9N	85 59.7W	S ARIA03WT
2254 11/ 4/82	SPSS	SONOBUOY 40	GDC 09	39.5N	86 01.1W	S ARIA03WT

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GHT TIME	B / E / Y DATE	LOC. LNC TIME T2	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
2306	11/ 4/82		SPSS	SUNDRUDY 41	GDC 09	40.9N	86 02.6W	S ARIA03WT
2229	14/ 4/82		SPSS	SUNDRUDY 42	GDC 12	54.0N	90 46.0W	S ARIA03WT
2249	14/ 4/82		SPSS	SUNDRUDY 43	GDC 12	55.2N	90 49.0W	S ARIA03WT
0135	15/ 4/82		SPSS	SUNDRUDY 44	GDC 12	57.6N	91 07.6W	S ARIA03WT
0247	15/ 4/82		SPSS	SUNDRUDY 45	GDC 12	48.6N	90 58.2W	S ARIA03WT
0314	15/ 4/82		SPSS	SUNDRUDY 46	GDC 12	46.6N	90 53.6W	S ARIA03WT
0657	15/ 4/82		SPSS	SUNDRUDY 47	GDC 13	04.3N	90 48.8W	S ARIA03WT
1115	15/ 4/82		SPSS	SUNDRUDY 48	GDC 13	08.7N	91 00.0W	S ARIA03WT
0230	22/ 4/82		SPSS	SUNDRUDY 49	GDC 15	57.2N	99 06.9W	S ARIA03WT
1727	23/ 4/82		SRSS	SUNDRUDY 50	GDC 18	30.9N	104 48.3W	S ARIA03WT
1740	23/ 4/82		SRSS	SUNDRUDY 51	GDC 18	32.6N	104 50.4W	S ARIA03WT
1854	25/ 4/82		SRSS	SUNDRUDY 52	GDC 23	25.7N	112 27.9W	S ARIA03WT
2008	25/ 4/82		SRSS	SUNDRUDY 53	GDC 23	29.5N	112 30.9W	S ARIA03WT
2138	25/ 4/82		SRSS	SUNDRUDY 54	GDC 23	26.9N	112 26.4W	S ARIA03WT
2141	25/ 4/82		SPSS	SUNDRUDY 55	GDC 23	27.3N	112 26.8W	S ARIA03WT

GRAVIMETRIC RECORDS CURATOR L.M. DORMAN (EXT.2406)

2200	9/ 4/82		GVRA B GRAVITY R-01	GDC 09	42.0N	86 14.0W	S ARIA03WT
0535	26/ 4/82		GVRA E GRAVITY R-01	GDC 24	40.7N	113 12.3W	S ARIA03WT
0541	26/ 4/82		GVRA B GRAVITY R-02	GDC 24	41.6N	113 13.1W	S ARIA03WT
1400	28/ 4/82		GVRA E GRAVITY R-02	GDC 32	32.5N	117 13.1W	S ARIA03WT

*** BATHYTHERMOGRAPH ***

1940	7/ 4/82		RTXP XBT 01	GDC 09	14.0N	85 14.8W	S ARIA03WT
2157	13/ 4/82		RTXP XBT 02	GDC 12	57.1N	90 56.7W	S ARIA03WT
1125	17/ 4/82		RTXP XBT 03	GDC 15	52.0N	98 31.4W	S ARIA03WT
1313	23/ 4/82		RTXP XBT 04	GDC 18	02.3N	104 06.5W	S ARIA03WT
1530	24/ 4/82		RTXP XBT 05	GDC 20	09.4N	108 01.9W	S ARIA03WT
1515	25/ 4/82		RTXP XBT 06	GDC 22	57.8N	111 50.7W	S ARIA03WT
1536	26/ 4/82		RTXP XBT 07	GDC 26	15.6N	114 26.7W	S ARIA03WT

*** THERMOGRAPH ***

2315	6/ 4/82		TGRC B THERMOGRAPH SHEETS	GDC 09	48.6N	84 46.8W	S ARIA03WT
1300	28/ 4/82		TGRC E 1 THRU 21	GDC 32	26.2N	117 10.9W	S ARIA03WT

9900 END SAMPLE INDEX

ARIA03WT