

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

ARIADNE EXPEDITION

LEG 2

Papeete, Tahiti (17 February 1982)
to
Puntarenas, Costa Rica (3 April 1982)
R/V T. Washington

Co-Chief Scientists - P. Lonsdale (SIO)
M. Leinen (U. of Rhode Island)

Resident Marine Techs - R. Wilson & 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

Rev June 1982 (Sea Beam)

S.I.O. Sea Beam Data

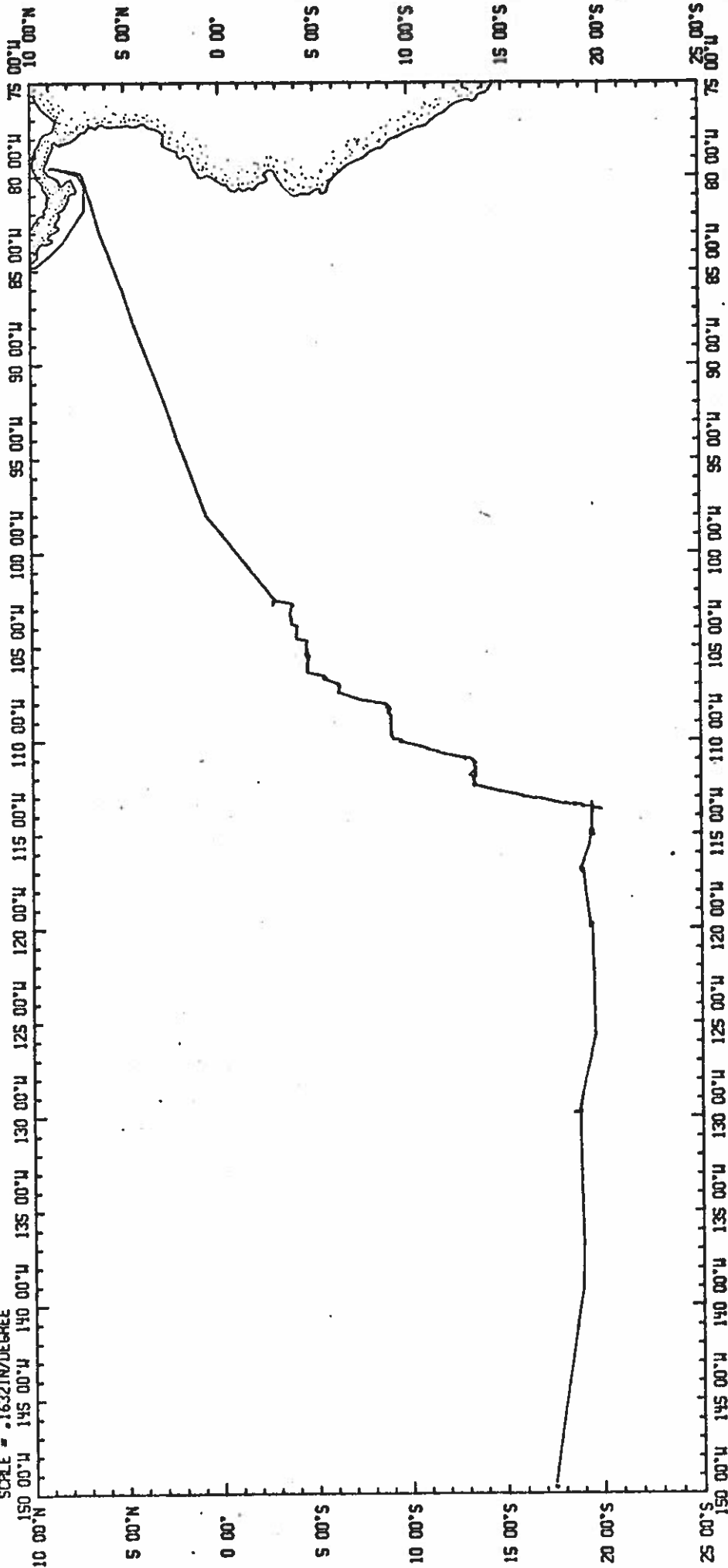
As of June 1982 the institution's procedures for handling Sea Beam data are still evolving. The following forms are available, subject to approval of the cruise leg chief scientist.

- 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

ARIADNE TRACK PLOT

SCALE = .1632 IN/DEGREE



WARNING - ABSTRACT DATA PRESENT ON THIS PLOT

ARIADNE EXPEDITION
LEG 2

CO-CHIEF SCIENTISTS: P. Lonsdale(SIO) & M. Leinan(URI)
 PORTS: Papeete, Tahiti - Puntarenas, Costa Rica
 DATES: 17 February - 3 April 1982
 SHIP: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

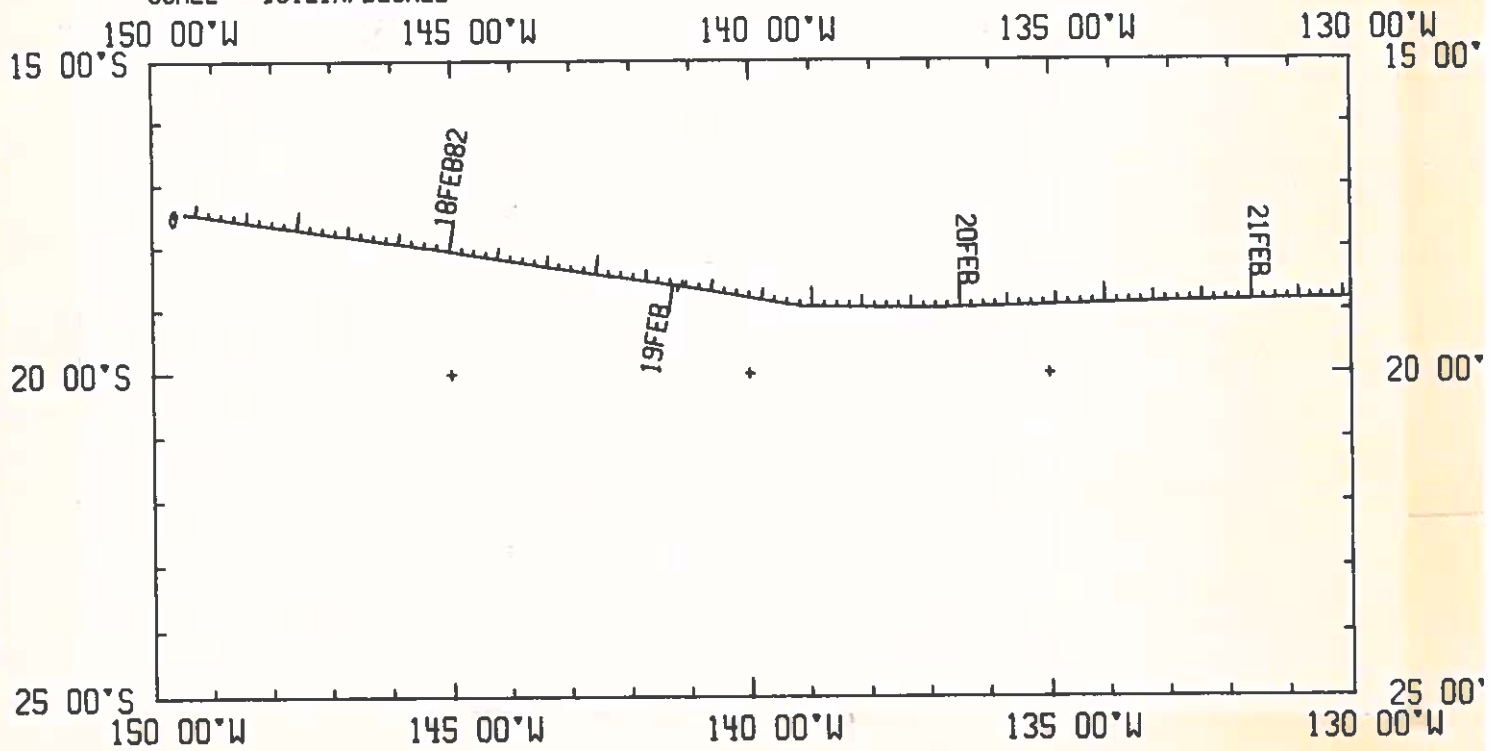
- 1) Cruise - 7731 miles
- 2) Bathymetry - 7151 miles
- 3) Magnetics - 4574 miles
- 4) Seismic Reflection - 5000 miles
- 5) Gravity - Collected but not processed
- 6) SeaBeam - 7730 miles

ARIA02WT

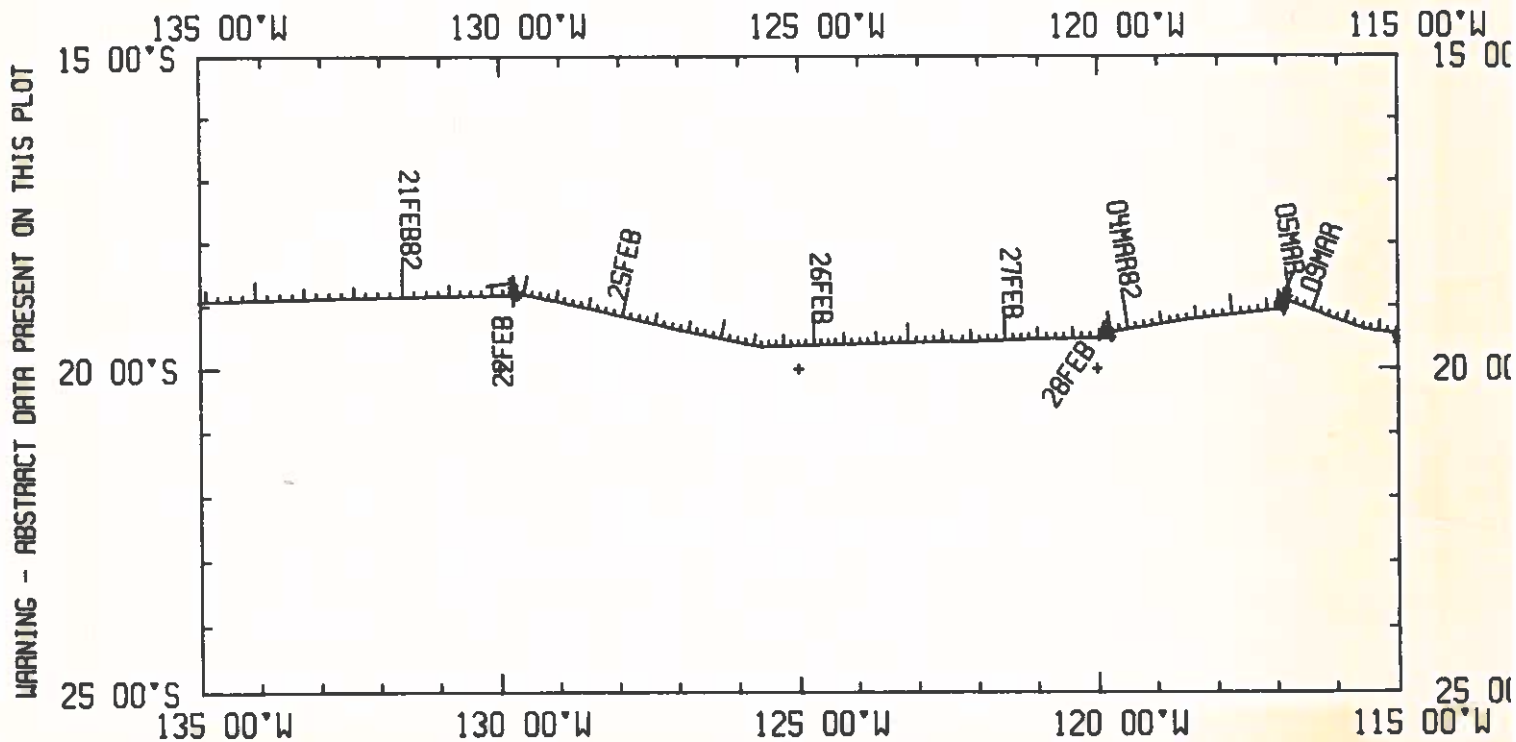
PLOT 1 OF 5

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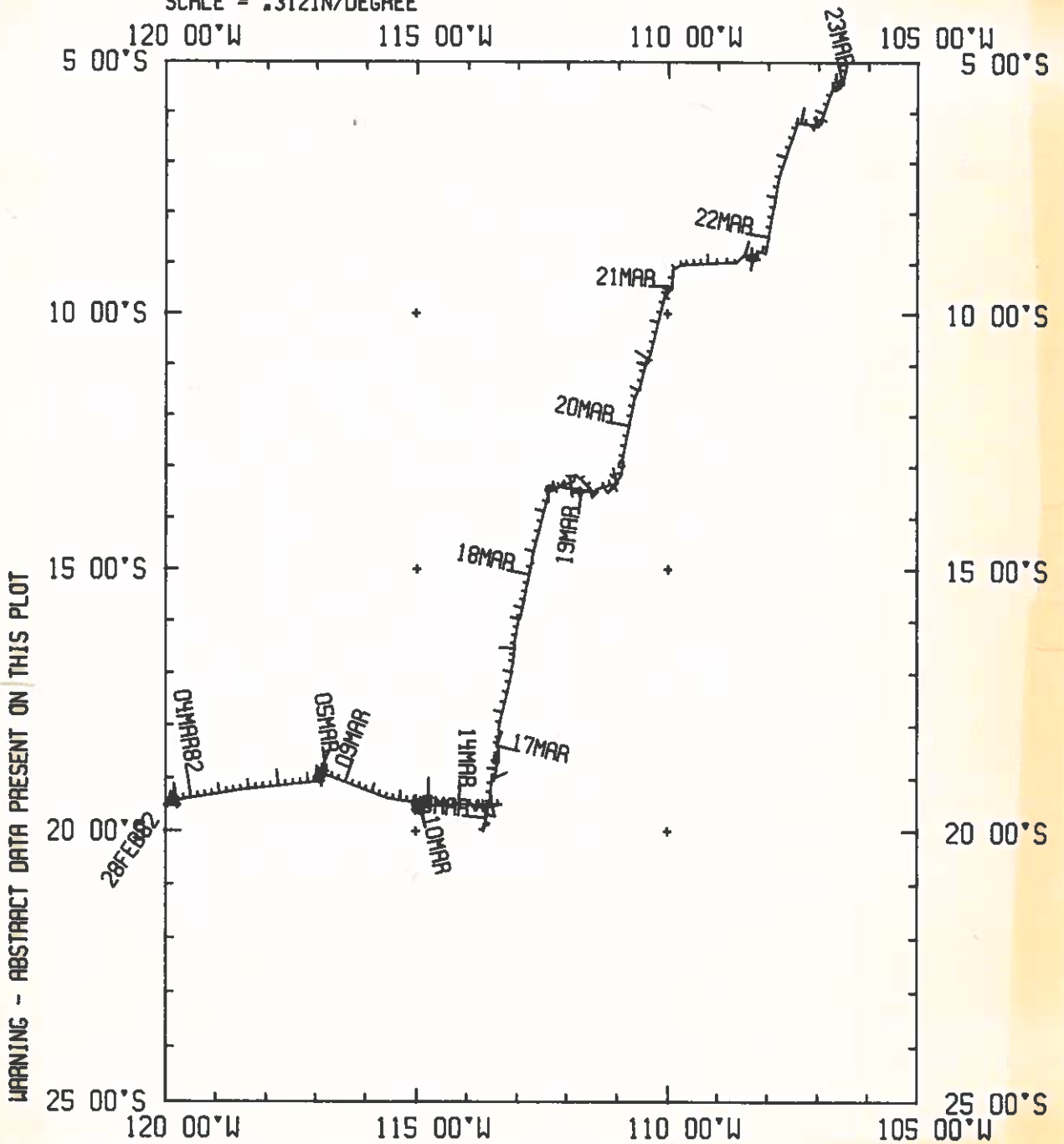
WARNING - ABSTRACT DATA PRESENT ON THIS PLOT



ARIA02WT
PLOT 2 OF 5
SCALE = .312IN/DEGREE

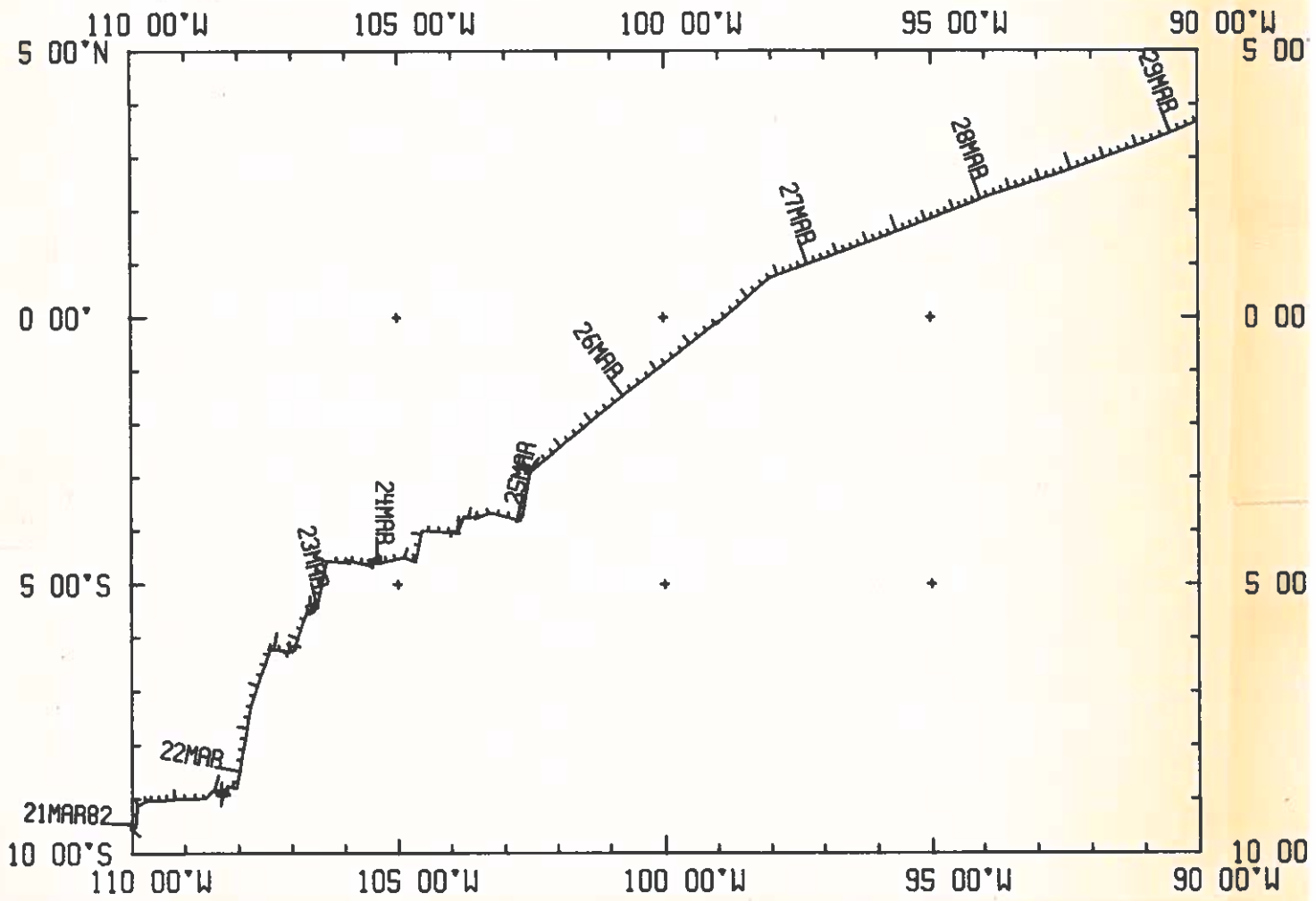


ARIAD2WT
PLOT 3 OF 5
SCALE = .312IN/DEGREE

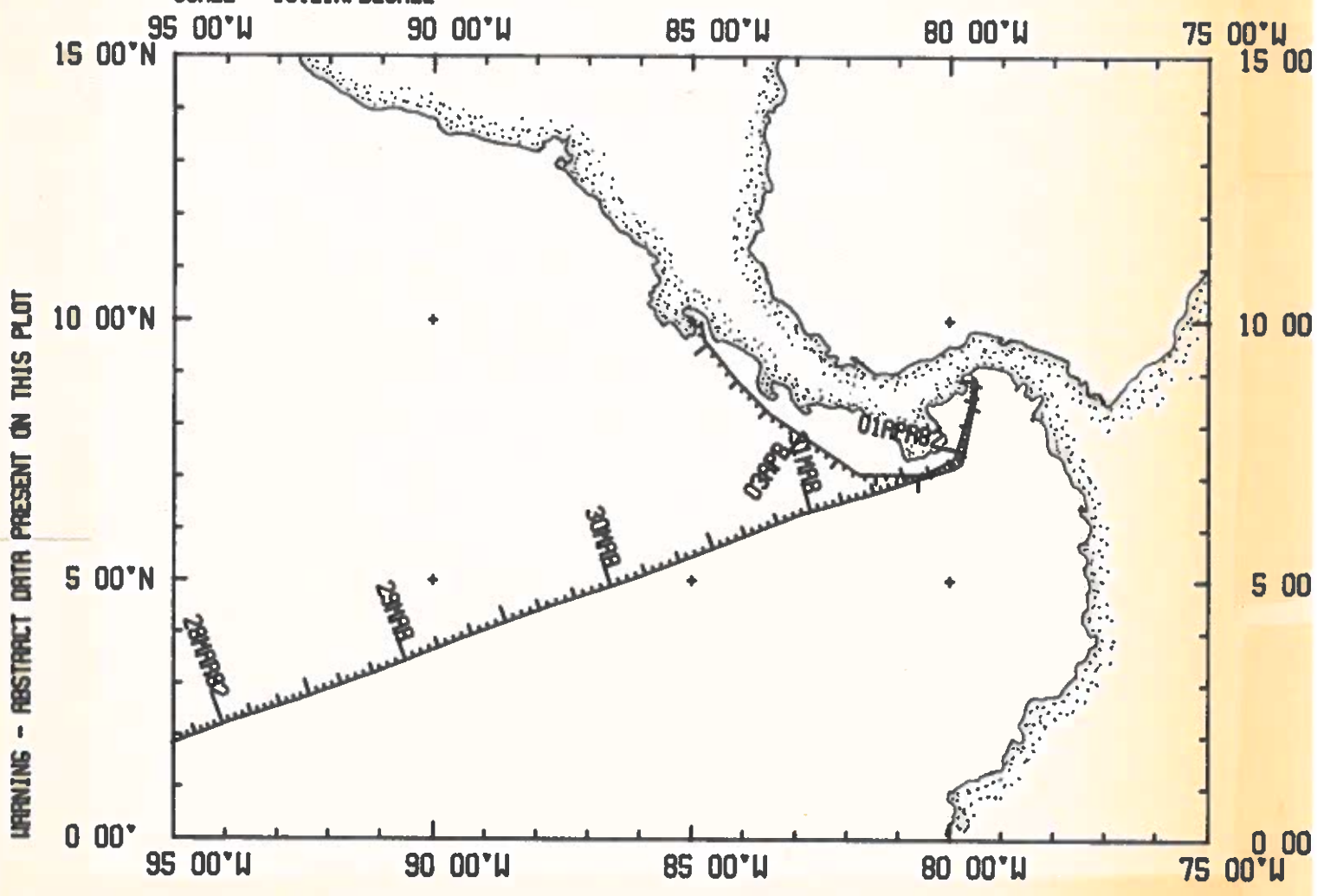


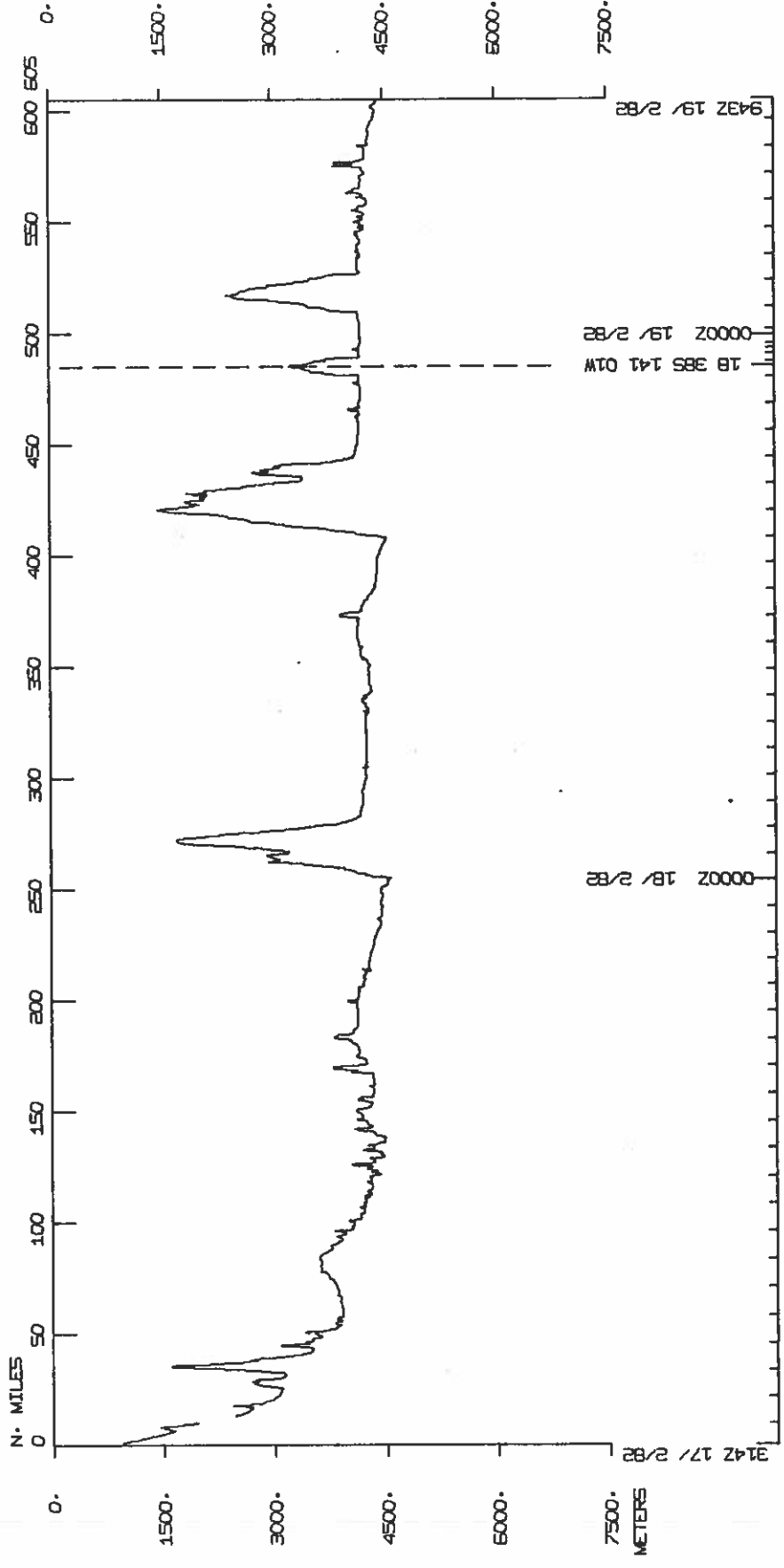
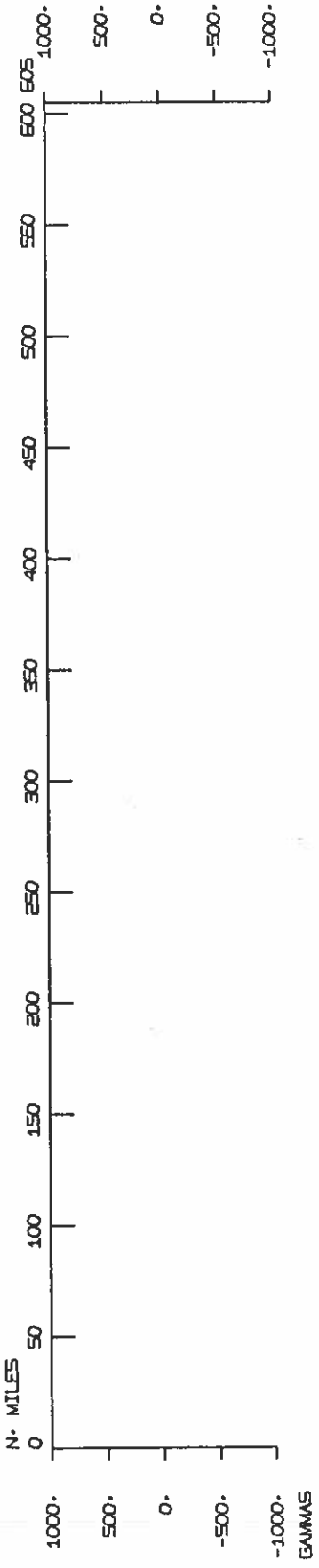
ARIA02WT
PLOT 4 OF 5
SCALE = .312IN/DEGREE

WARNING - ABSTRACT DATA PRESENT ON THIS PLOT



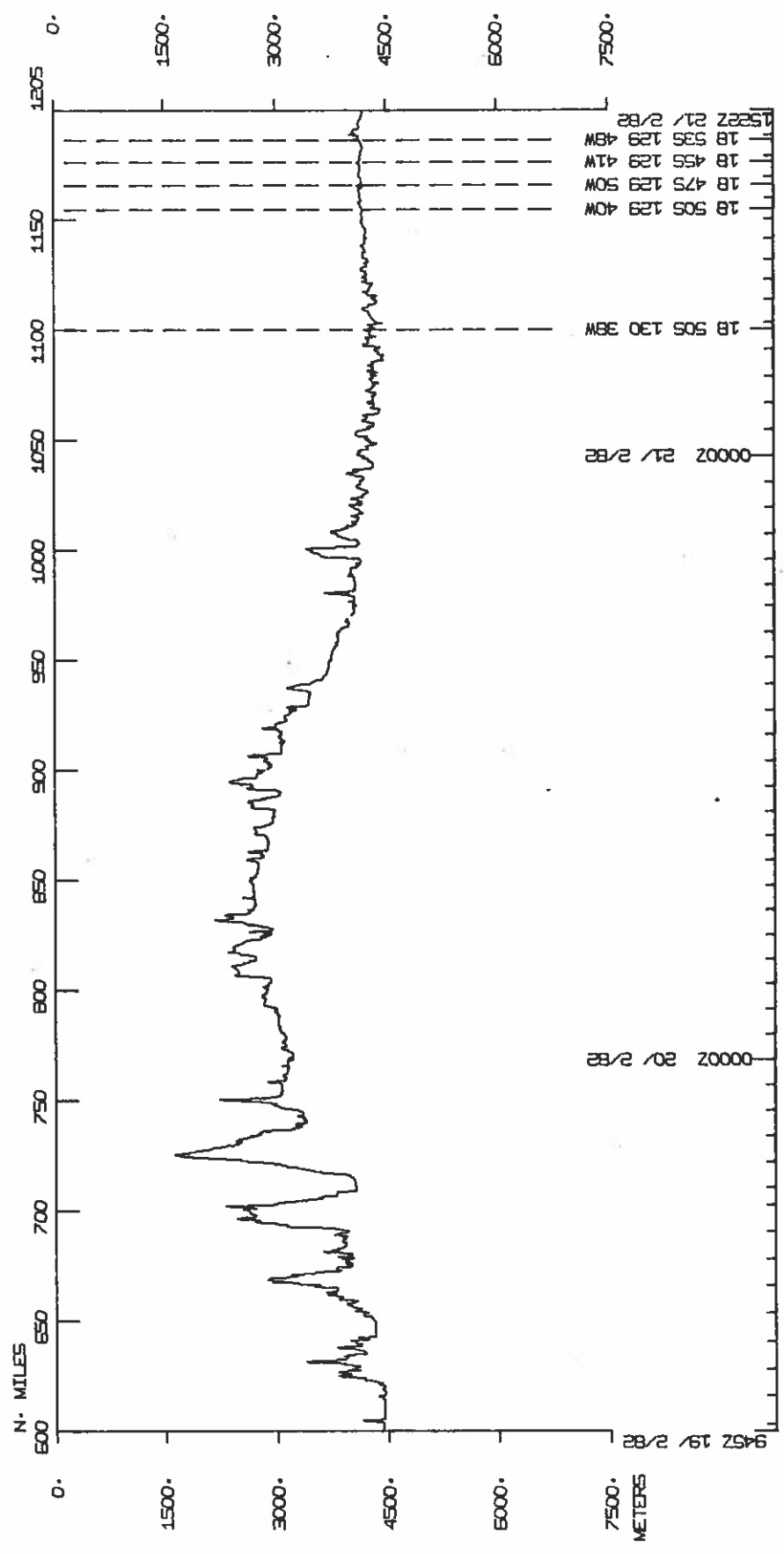
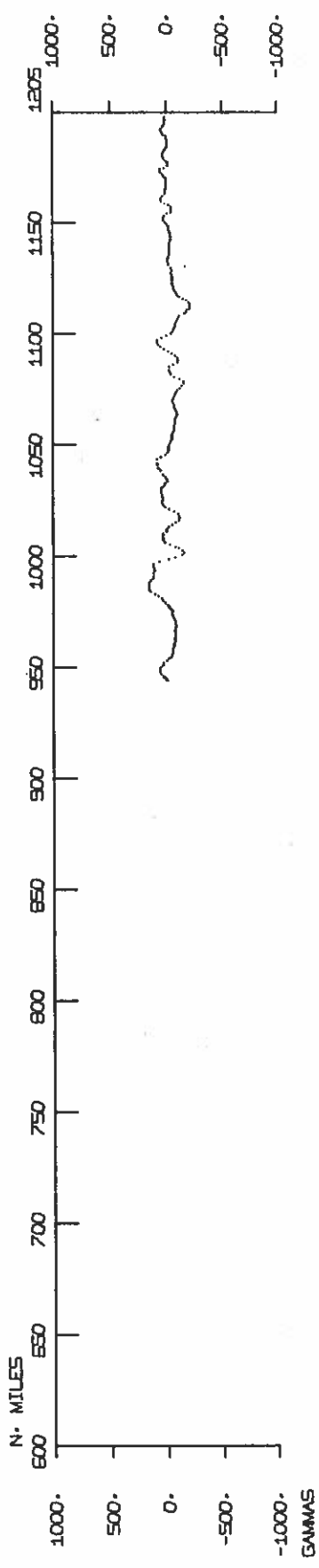
ARIA02WT
PLOT 5 OF 5
SCALE = .312IN/DEGREE





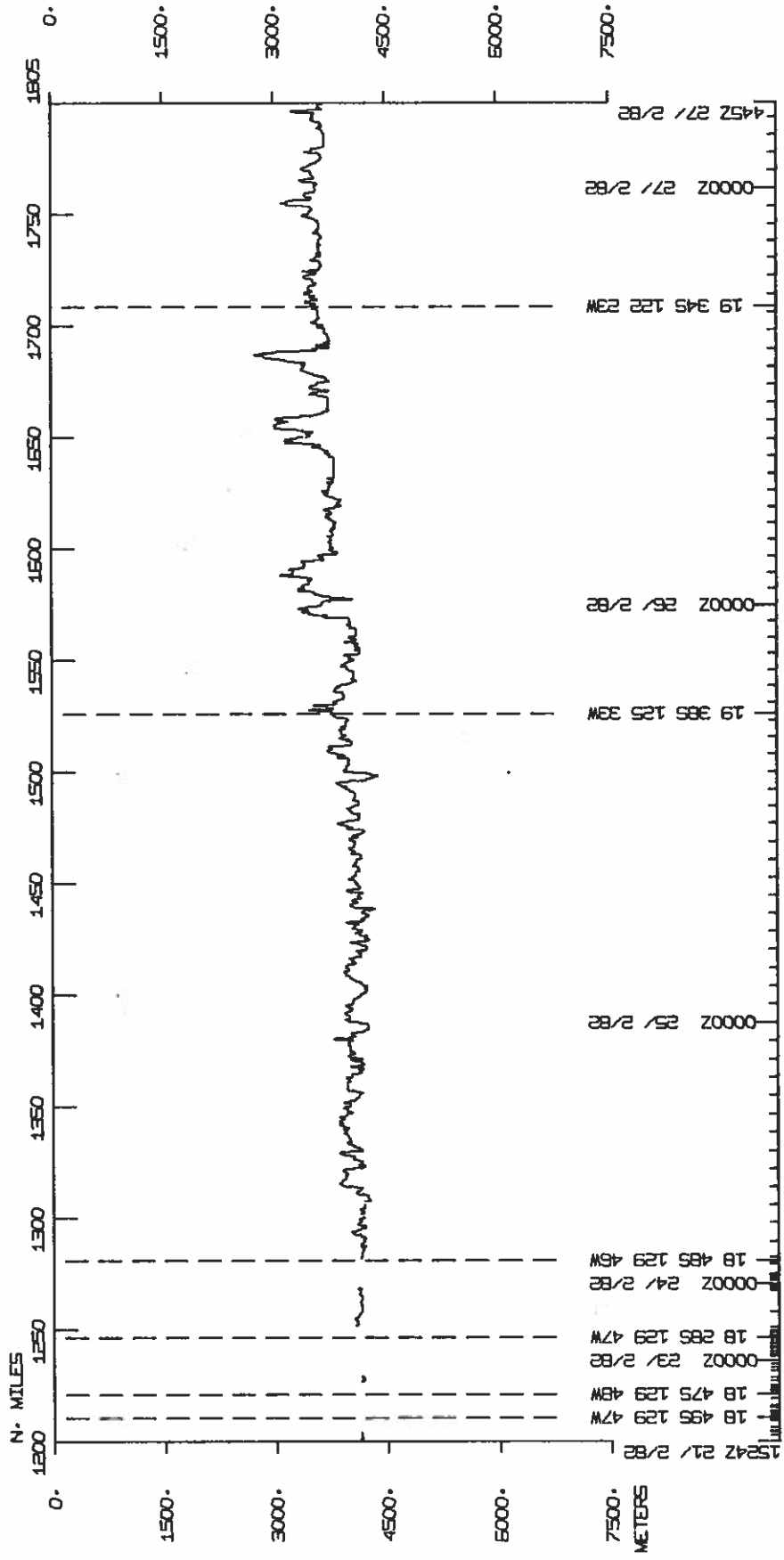
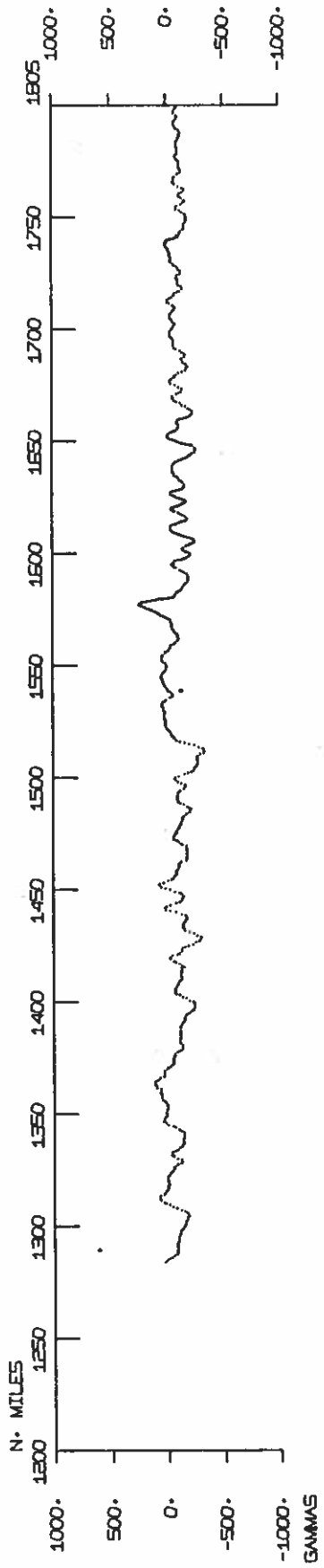
ARIAPAWT

SEABEAM

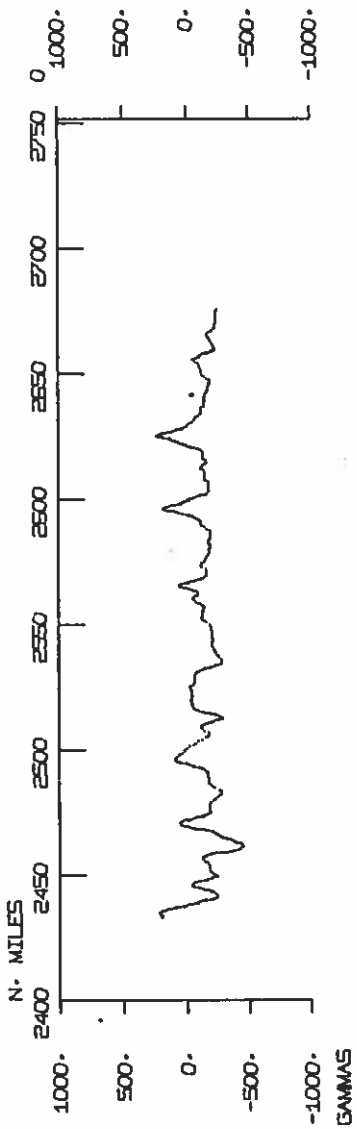
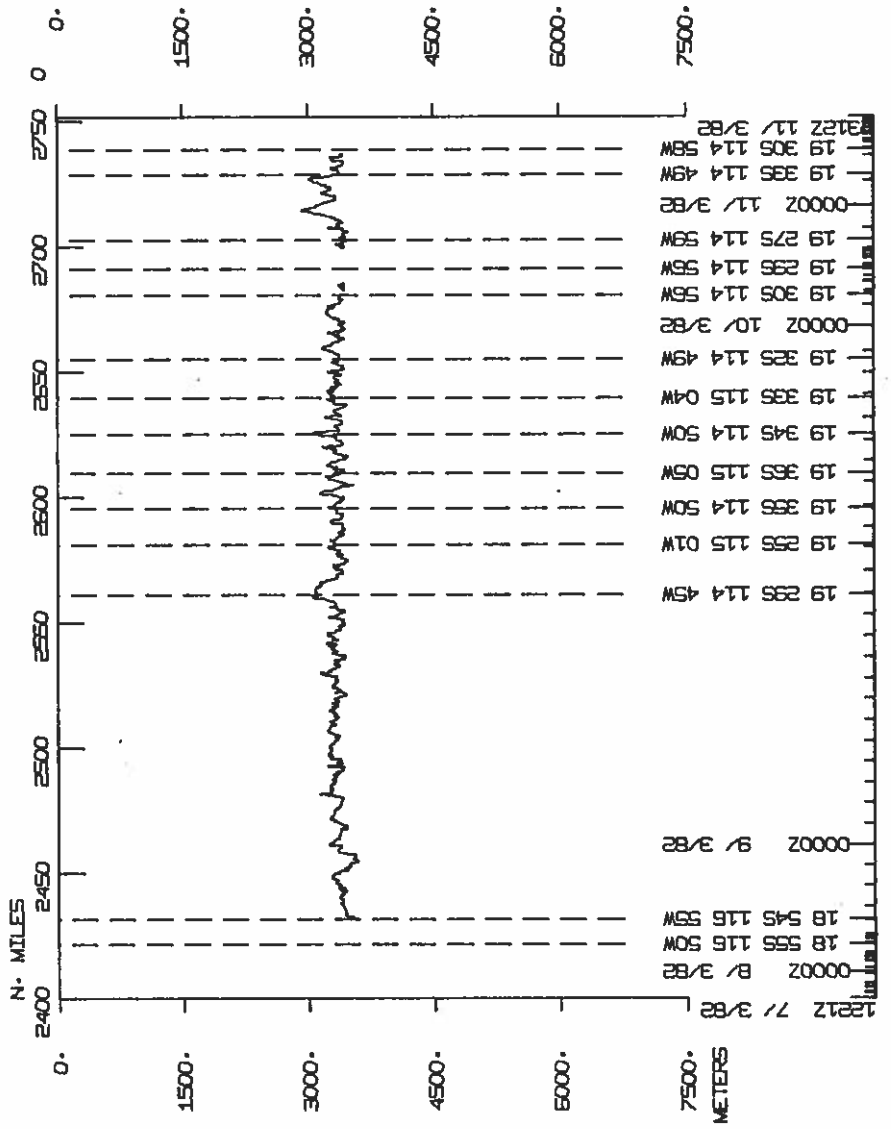


ARIAPAWT

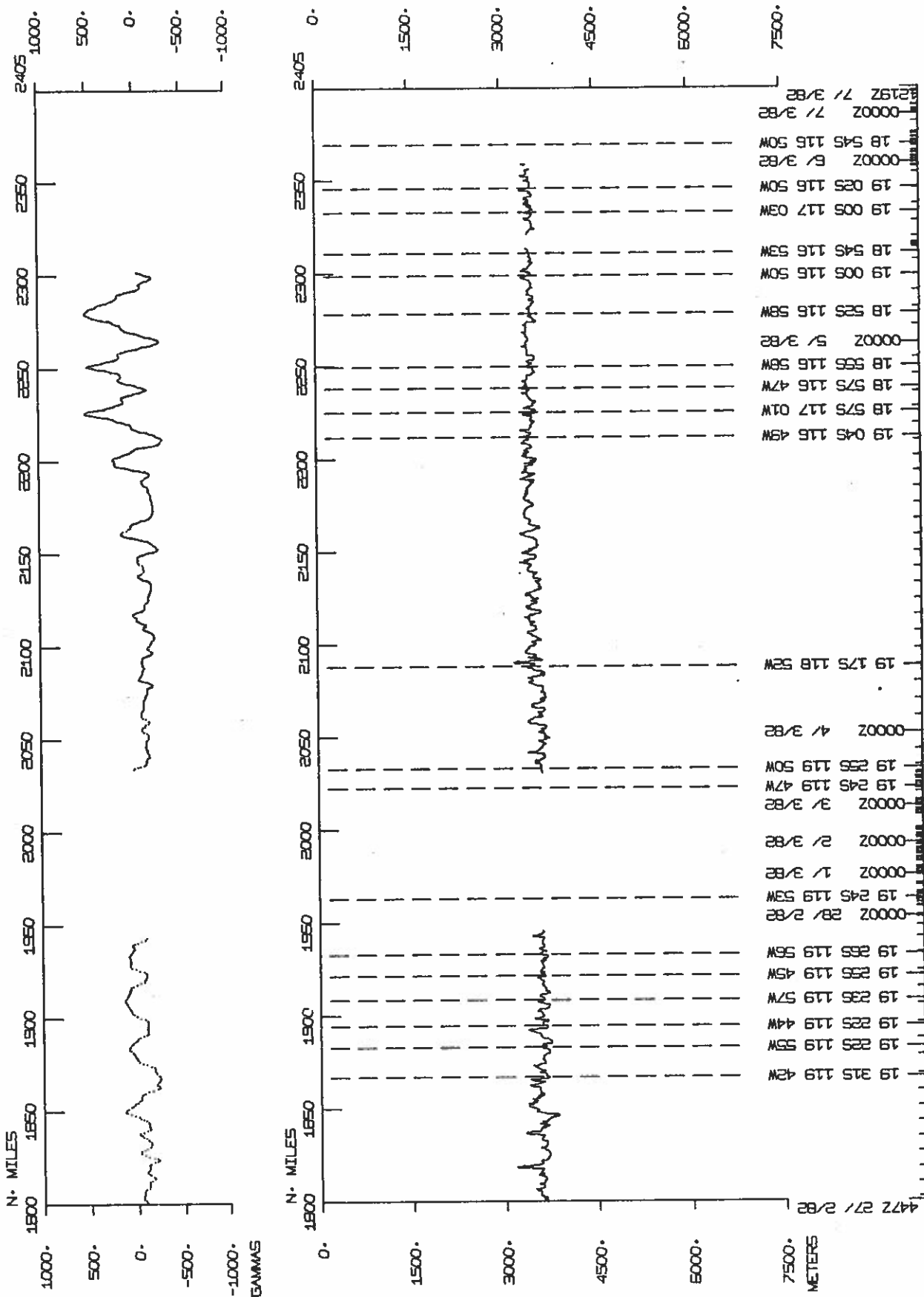
ARIAR2AWT



ARIAR2AWT



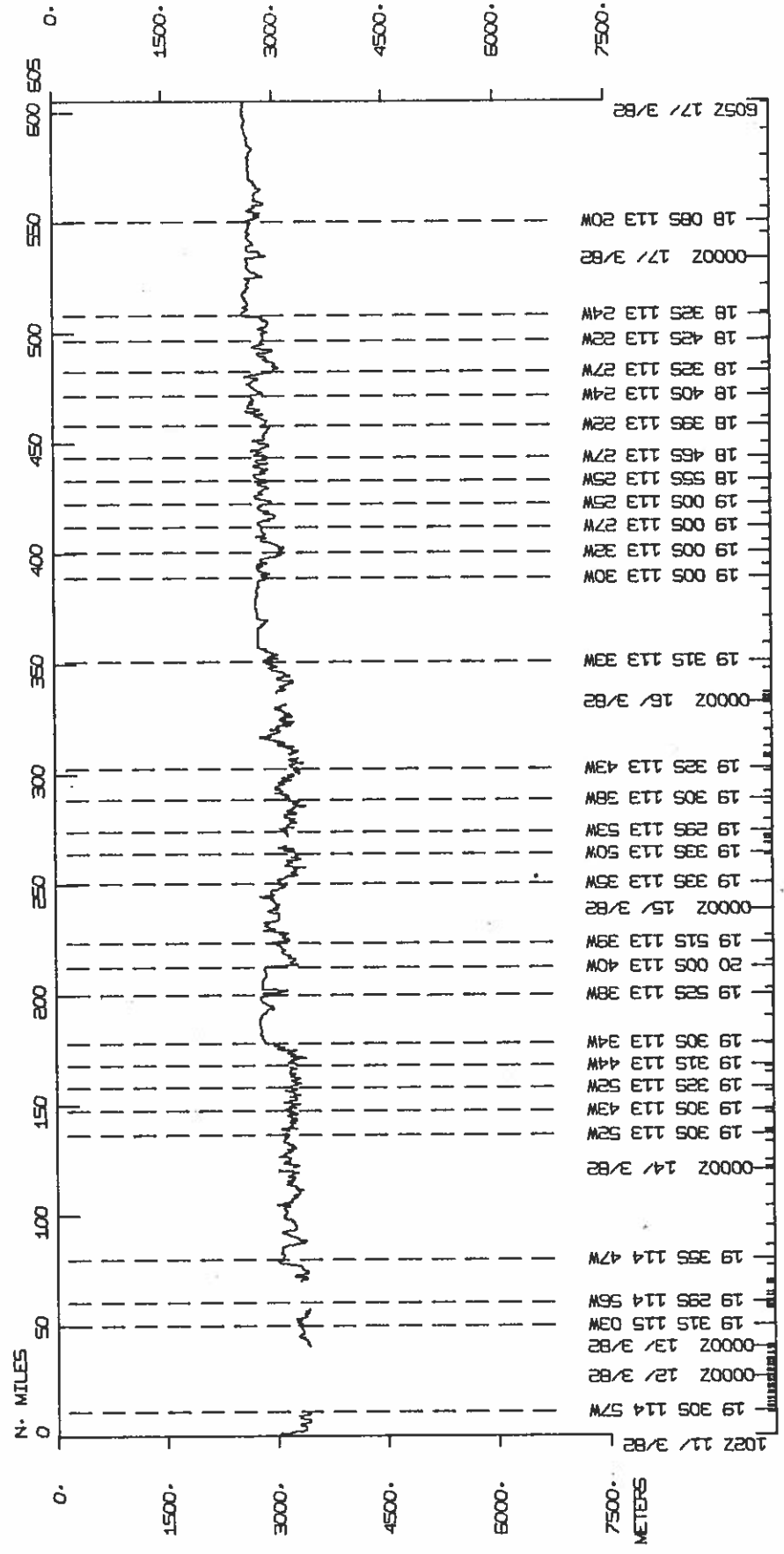
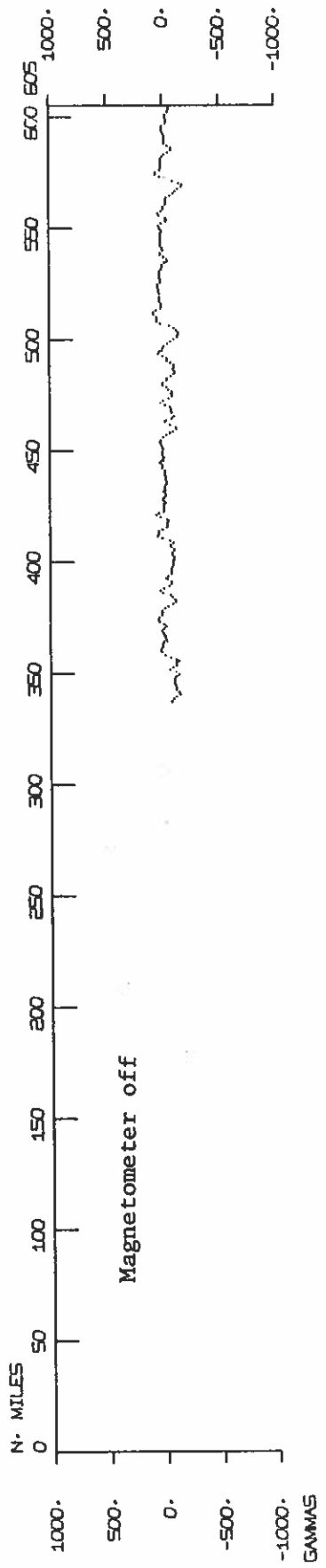
ARIARAWT



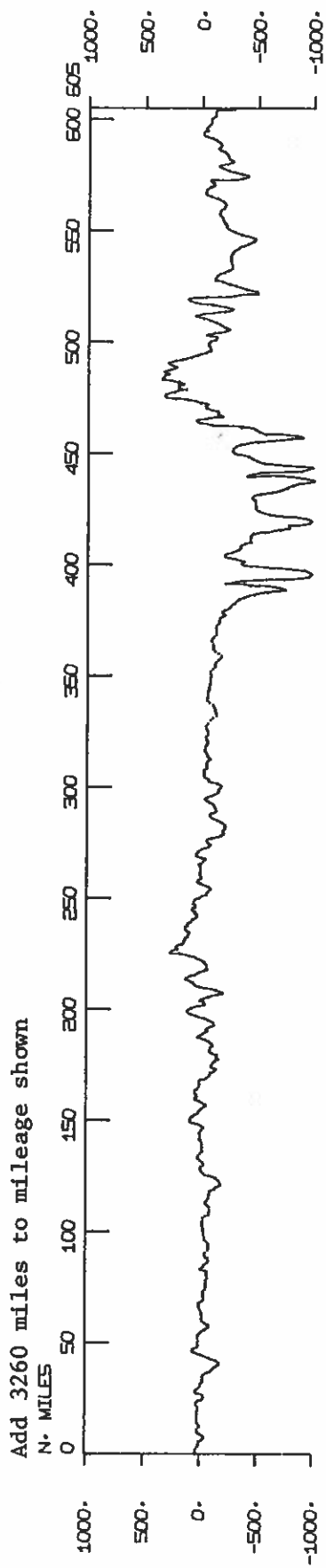
NOTE: Leg ARIA02WT is split into 3 parts (1A, 1P, 1B) for processing purposes only. Data are referred to, and archived under, the ARIA02WT designation.

ARIA2PWT

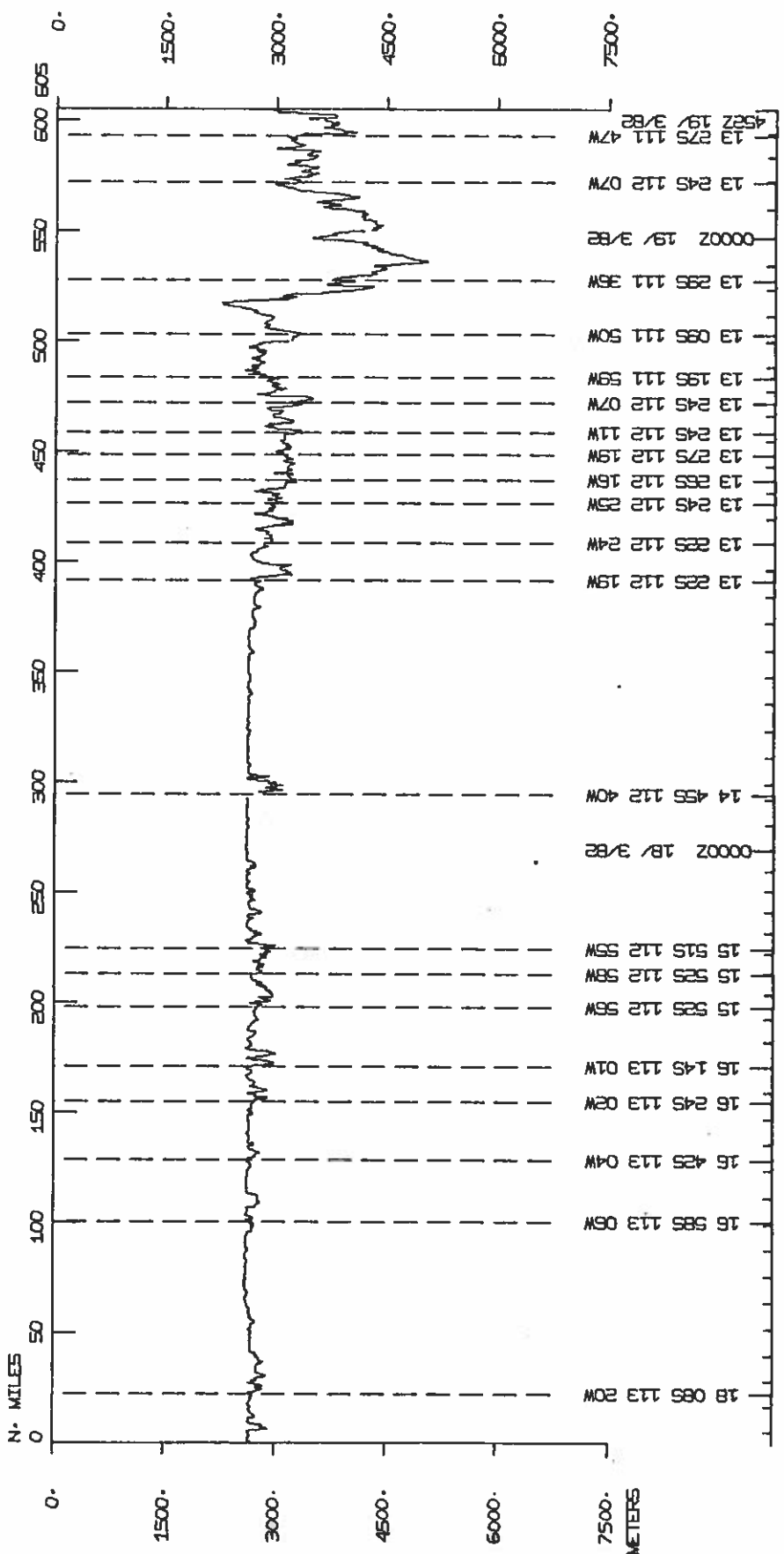
Add 2730 miles to mileage shown



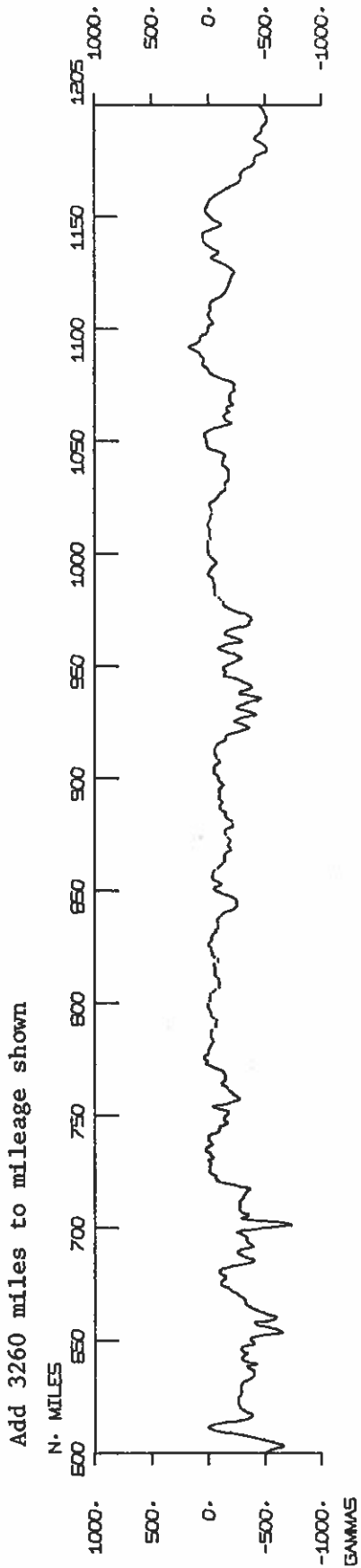
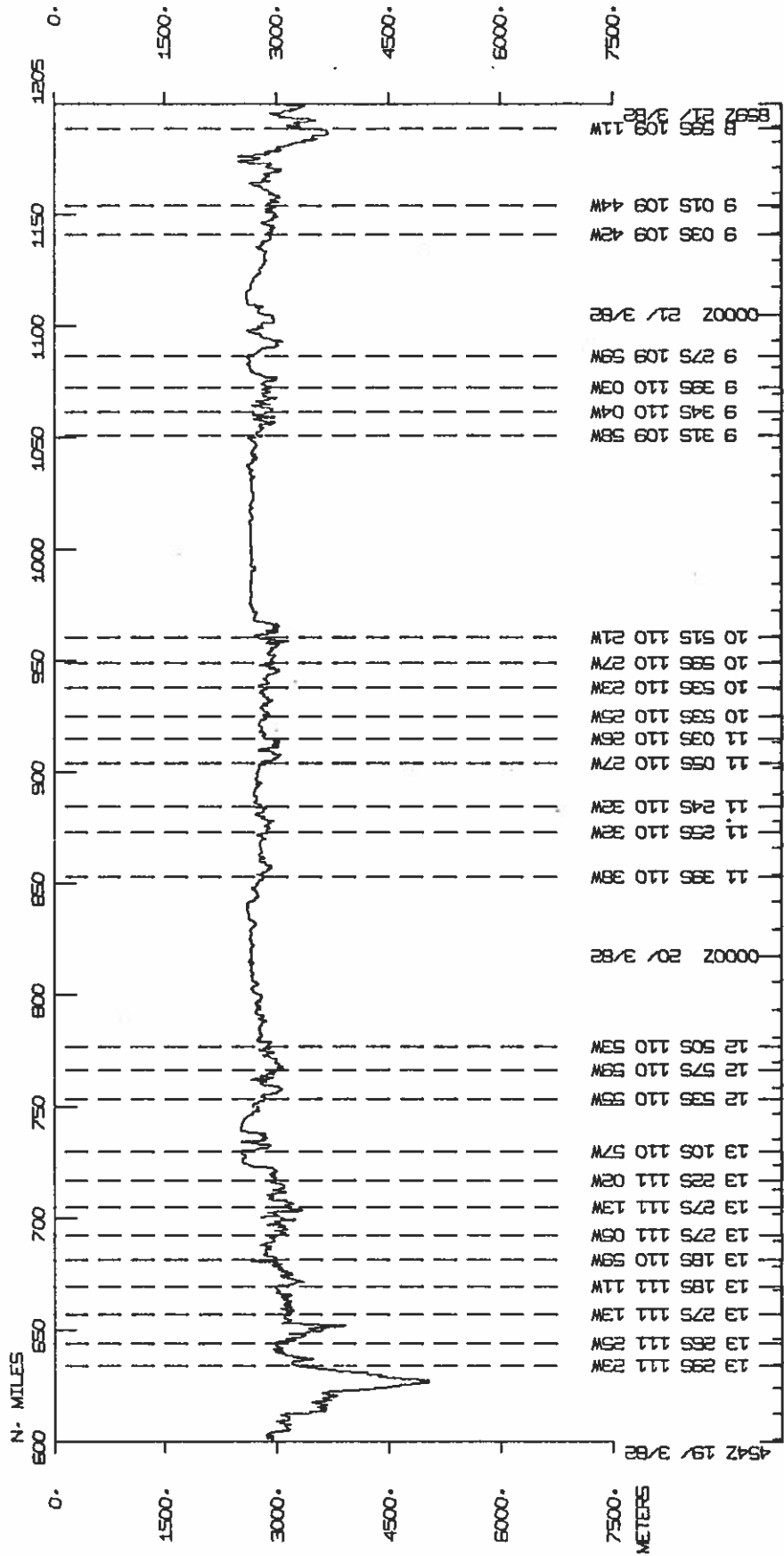
Add 3260 miles to mileage shown



ARIA2BWT



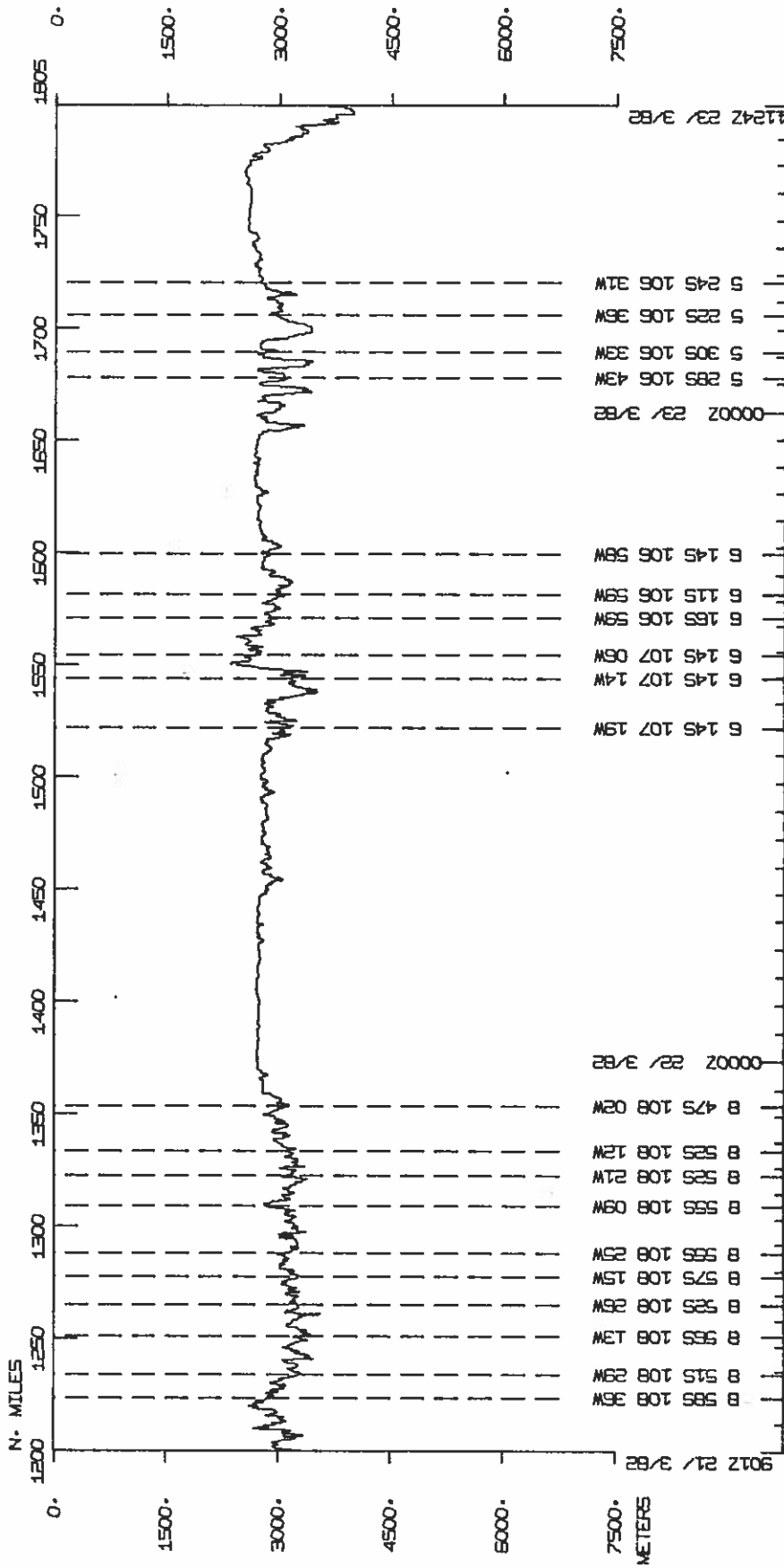
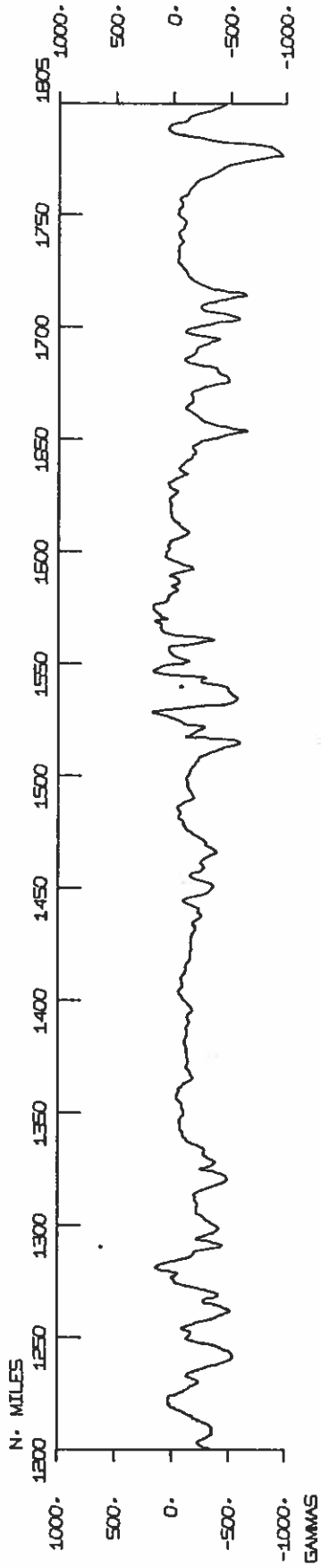
ARIA2BWT



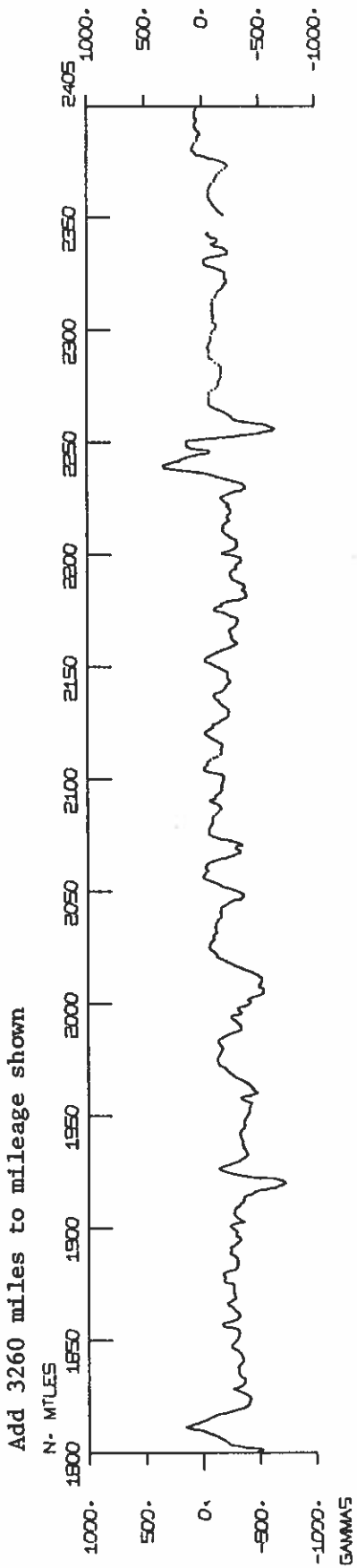
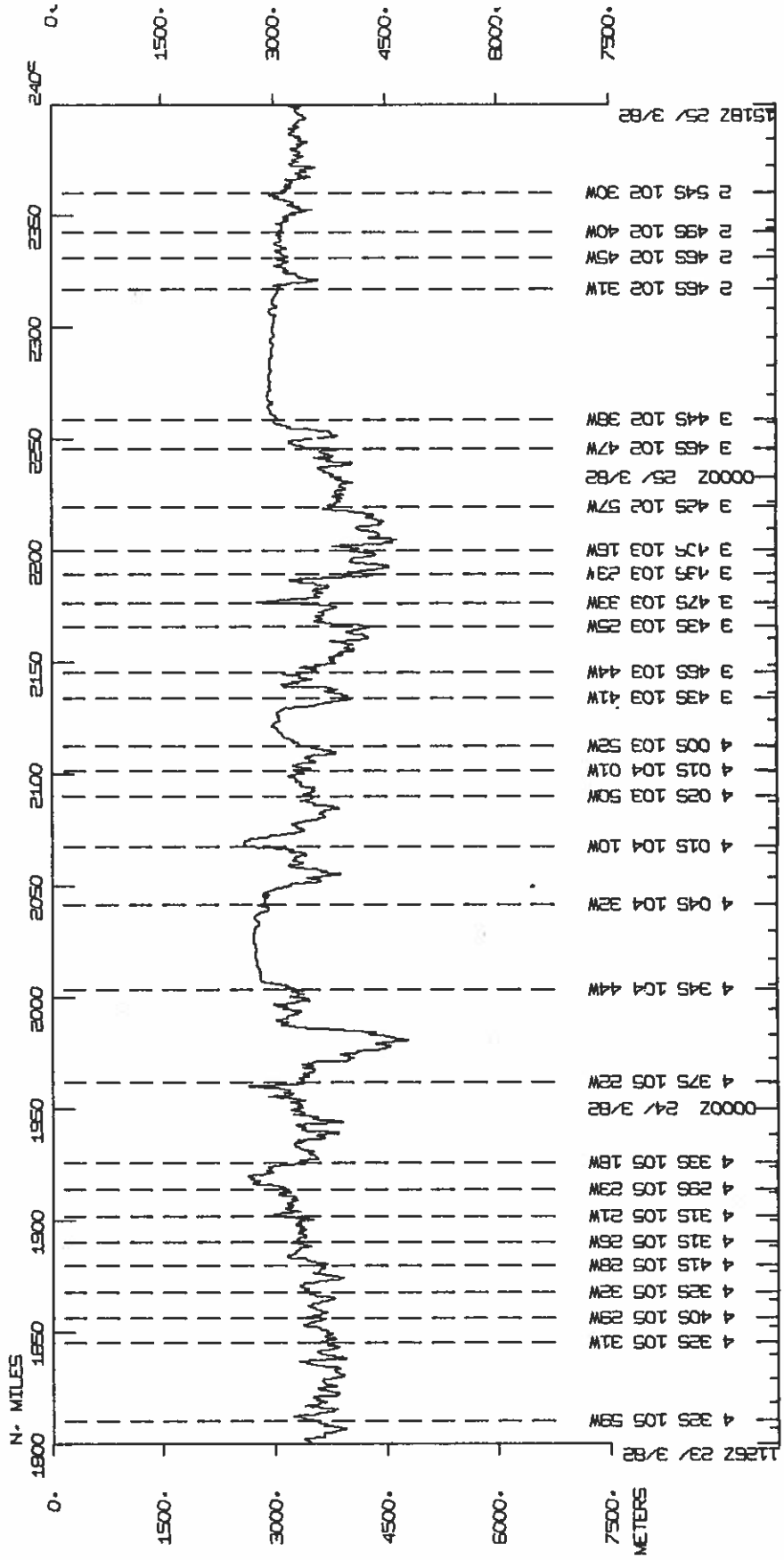
Add 3260 miles to mileage shown

ARIABWT

Add 3260 miles to mileage shown

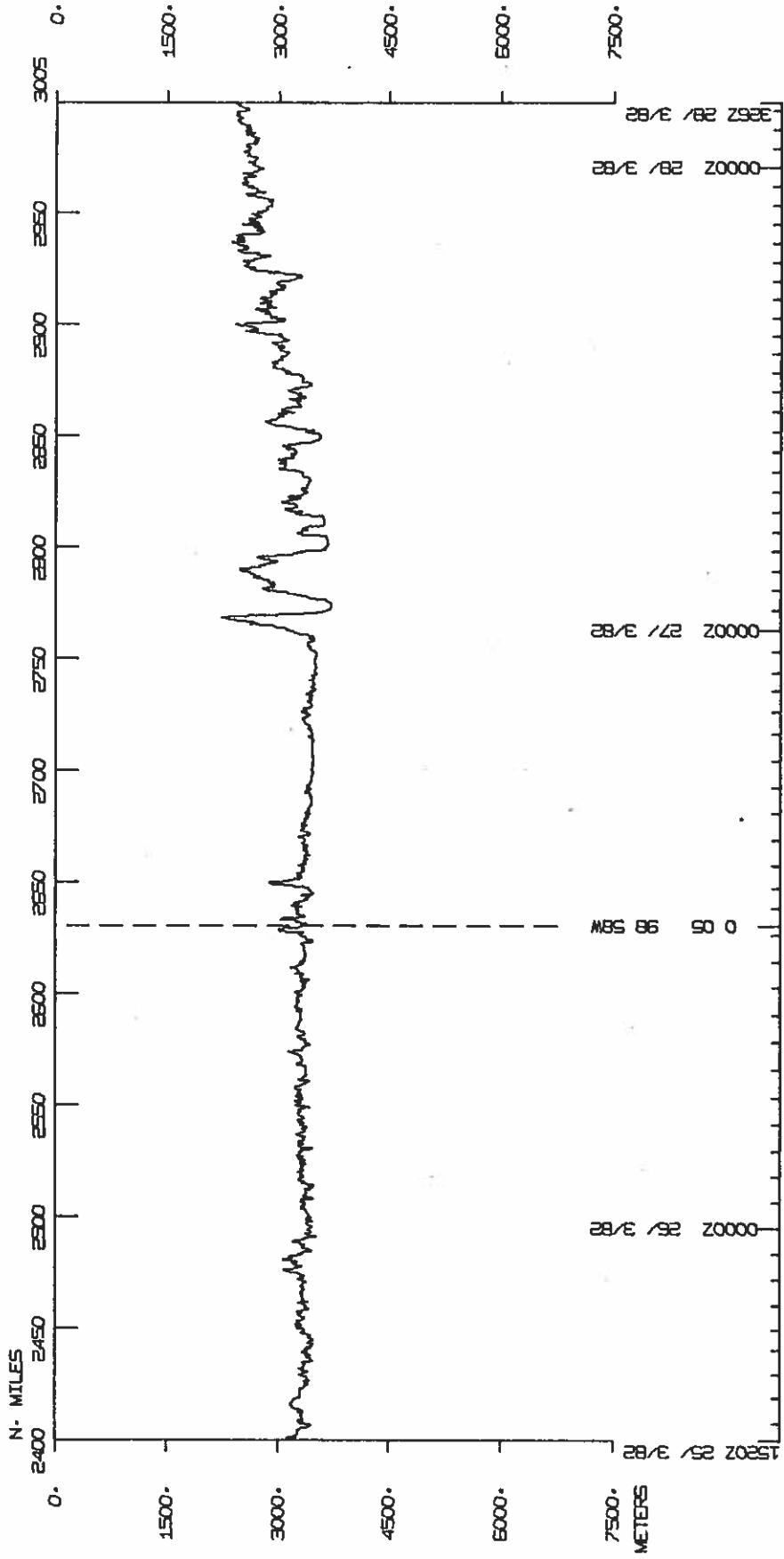
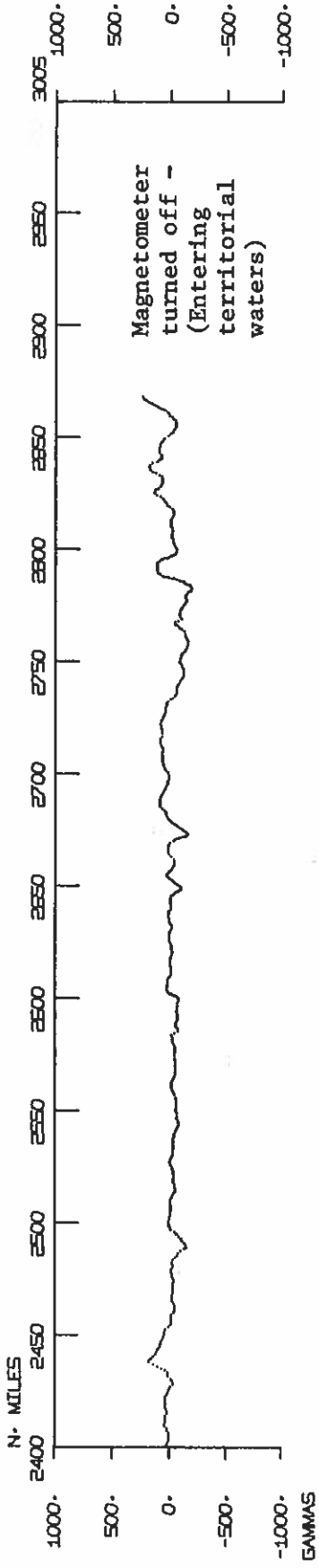


ARIA2BWT

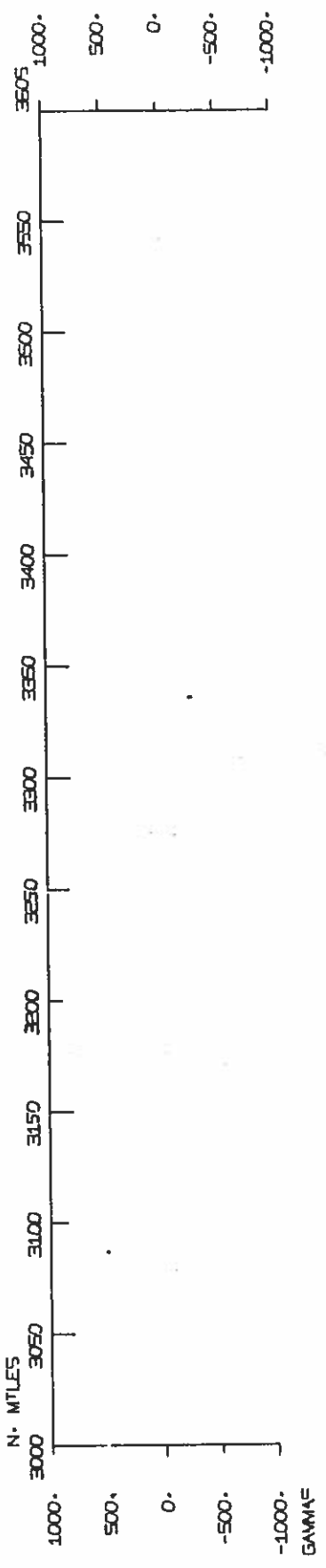


Add 3260 miles to mileage shown

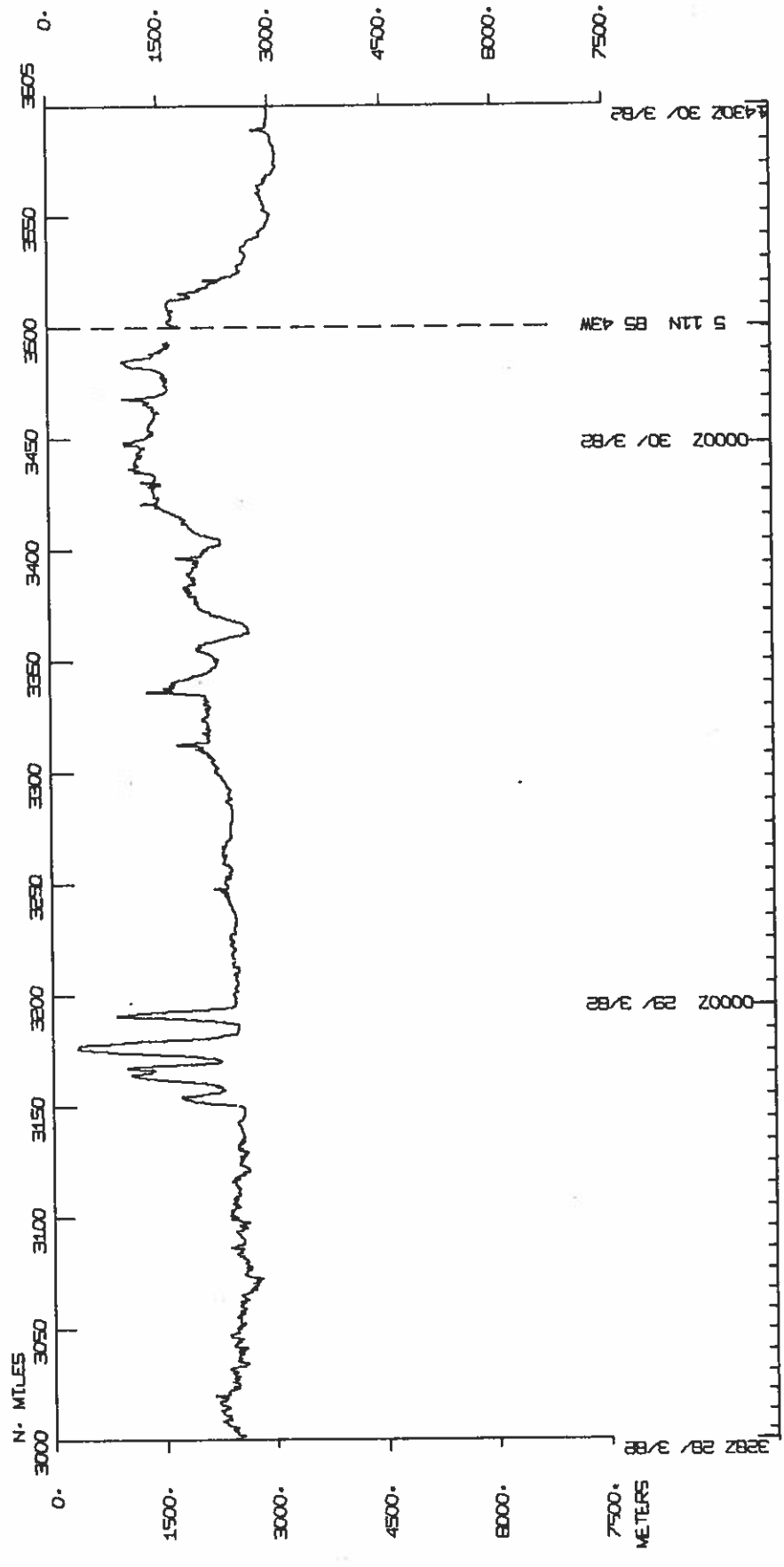
Add 3260 miles to mileage shown



Add 3260 miles to mileage shown

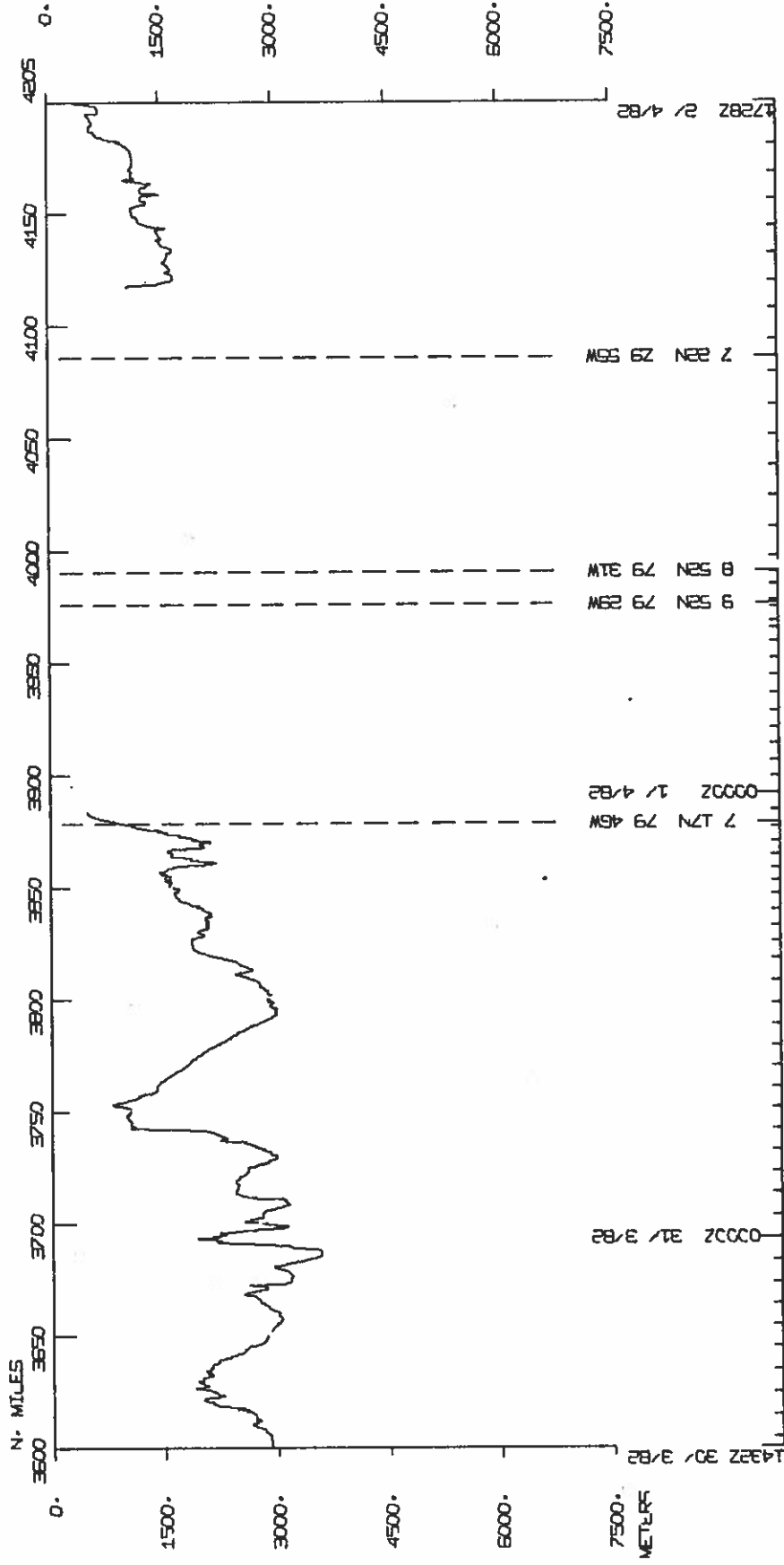
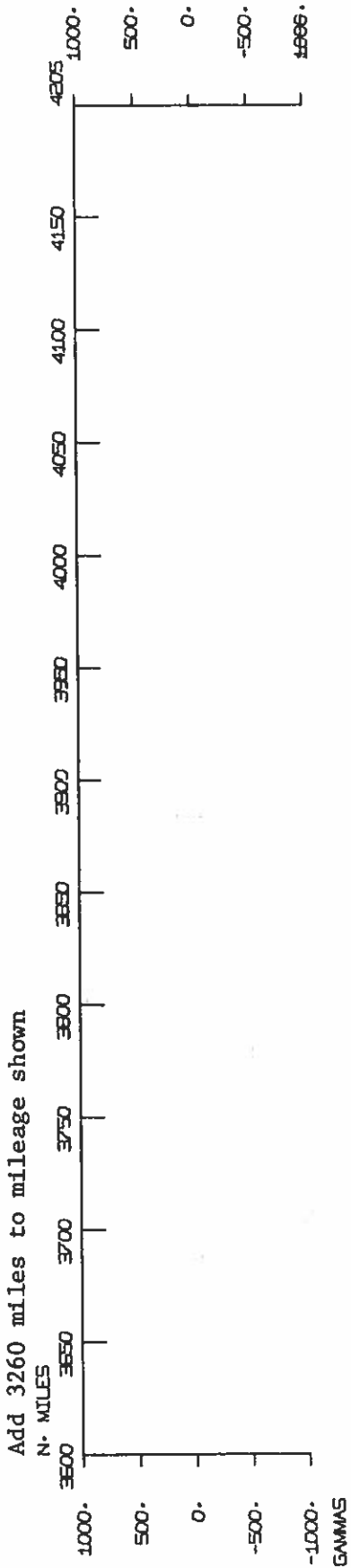


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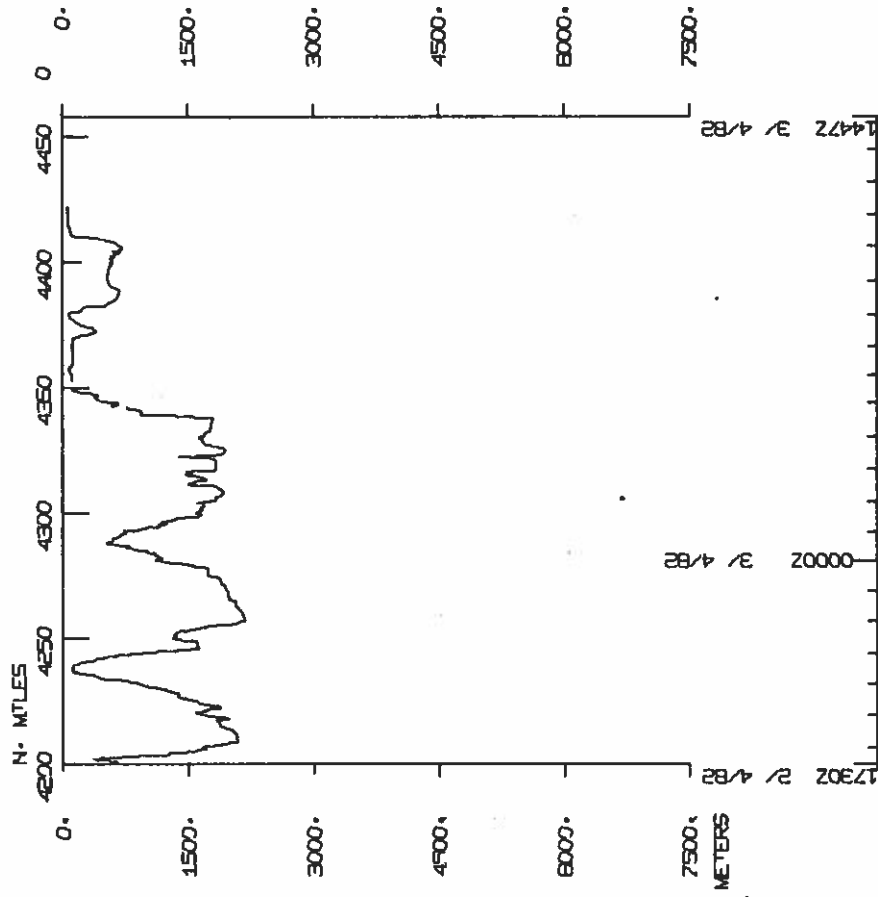
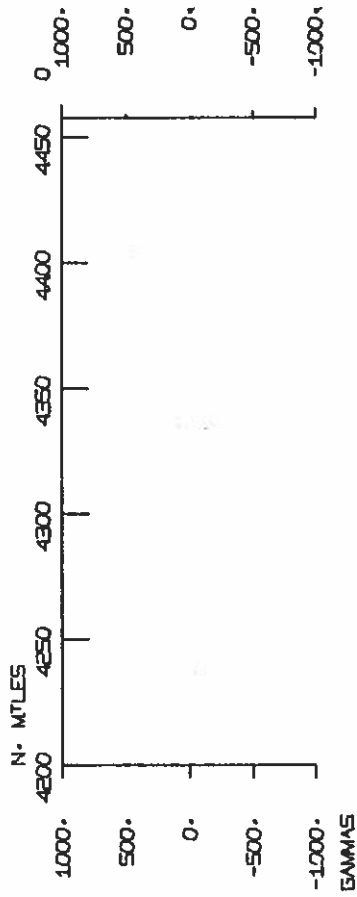


ARIAPBWT

Add 3260 miles to mileage shown



Add 3260 miles to mileage shown



ARIAR2BWT

1730Z 2/ 4/82
0000Z 3/ 4/82
1447Z 3/ 4/82

S.I.O. Sample Index

(Issued July 1982)

ARIADNE EXPEDITION

Leg 2

Papeete, Tahiti (17 February 1982)
to
Puntarenas, Costa Rica (3 April 1982)

R/V T. Washington

Co-Chief Scientists - P. Lonsdale (SIO)
M. Leinen (U. of Rhode Island)

Resident Marine Techs - R. Wilson & R. Gilchrist

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.)

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

DISP	TYPE														TOTAL	
	BT	CO	DP	GC	GV	HC	HF	LB	MB	MG	NV	PF	SP	TG		
GDC	I	3		6				1	40	3			6	1	I	60
LDG	I						31	1				3			I	35
LMD	I				1										I	1
MPL	I								1		19	3			I	23
MTG	I											2			I	2
SCG	I											2			I	2
SGG	I											1			I	1
SIO	I						4								I	4
SIX	I		17		22		12		1			6			I	58
TOTAL	I	3	17	6	22	1	12	35	3	41	3	19	17	6	1	186

SAMPLE 'TYPE' CODES USED ABOVE

BT = BATHY THERMOGRAM
 CO = CORE
 DP = DEPTH
 GC = GEOCHEMICAL SAMPLING
 GV = GRAVITY
 HC = HYDROGRAPHIC CAST
 HF = HEAT PROBE
 LB = LOG BOOKS
 MB = MULTI-BEAM (SEABEAM) ECHOSOUNDER
 MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
 NV = NAVIGATION
 PE = PERSONNEL IN SCIENTIFIC PARTY
 SP = SEISMIC REFLECTION PROFILE AIRGUN
 TG = THERMOGRAPH

SAMPLE 'DISP' CODES USED ABOVE

GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
 LDG = LAMONT-DOHERTY GEOPHYSICAL OBSERVATORY, COLUMBIA UNIVERSITY
 LMD = LEROY M. DORMAN (EXT. 2406)
 MPL = MARINE PHYSICAL LAB. (EXT 2305)
 MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
 SCG = SHIPBOARD COMPUTER GROUP (EXT. 4195)
 SGG = SHIPBOARD GEOPHYSICAL GROUP--P. CRAMPTON (EXT. 2079)
 SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLIA, CAL. 92093
 SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT. 3675)

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

APTA02WT SAMPLE INDEX

ARIA02WT

*** PORTS ***

0200 17/ 2/82		LGPT B	PAPEETE, TAHITI		17 32. S	149 34. W	F ARIA02WT
1106 3/ 4/82		LGPT E	PUNTARENAS, C.R.		09 59. N	84 50. W	F ARIA02WT
2245 31/ 3/82		LGSS B	BALBOA, PANAMA		08 57. N	79 34. W	F ARIA02WT
1056 02/04/82		LGSS E	BALBOA, PANAMA		08 57. N	79 34. W	F ARIA02WT

PERSONNEL

*** NAME ***

*** TITLE ***

*** AFFILIATION ***

1 LONSDALE, P.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
2 LEJNER, M. (U.R.I.)	CHIEF SCIENTIST	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3)
3 WILSON, R.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 GILCHRIST, R.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 ABBOTT, L.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6 CAMPBELL, J.	SEABFAM TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7 HUBENKA, F.	AIRGUN TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
8 GLFASON, D.	DVLMT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
9 ABBOTT, D.	TECHNICIAN	LAMONT-DOHERTY GEOPHYSICAL OBSERVATORY, COLUMBIA UNIVERSIT
10 LINZER, M.	TECHNICIAN	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
11 KING, T.	TECHNICIAN	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3)
12 KAHN, D.	TECHNICIAN	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3)
13 GRAHAM, D.	TECHNICIAN	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3)
14 HUDSON, A.	TECHNICIAN	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3)
15 BARNES, R.	PROFESSOR	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3)
16 THAYER, H.	LAB ASST	LAMONT-DOHERTY GEOPHYSICAL OBSERVATORY, COLUMBIA UNIVERSIT
17 HOBART, M.	RESEARCH SCI	LAMONT-DOHERTY GEOPHYSICAL OBSERVATORY, COLUMBIA UNIVERSIT

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 TIME	D DATE	/D DATE	/Y DATE	LTC TIME	LTC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LFG-SHIP CRUISE
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 UNDERWAY DATA CUPATOR - STUART SMITH (EXT. 2752)

*** LOG BOOKS ***

0200	17/	2/82				LRUW B	UNDERWAY WATCH LOG	GDC 17	26.7S	149 25.8W	S ARIA02WT
2245	31/	3/82				LRUW E	UNDERWAY WATCH LOG	GDC 07	21.2N	79 46.4W	S ARIA02WT
1018	22/	2/82				LRSC B	URI CORE LOG	SIX 18	48.6S	129 45.1W	S ARIA02WT
0550	16/	3/82				LRSC E	URI CORE LOG	SIX 19	29.5S	113 17.7W	S ARIA02WT
1830	17/	2/82				LRSC B	LDGO HEAT FLOW LOG	LDD 17	55.2S	146 10.1W	S ARIA02WT
1049	13/	3/82				LRSC E	LDGO HEAT FLOW LOG	LDD 19	29.8S	114 56.1W	S ARIA02WT

*** NAVIGATIONAL INSTRUMENT ***

1540	21/	2/82				NVXX B	TRANSPONDER RED 01	MPL 18	48.7S	129 46.5W	S ARIA02WT
1106	03/04/82					NVXX C	TRANSPONDER RED 01	MPL 09	24.6N	84 35.1W	S ARIA02WT
1637	21/	2/82				NVXX B	TRANSPONDER GREEN 01	MPL 18	47.5S	129 44.9W	S ARIA02WT
1106	03/04/82					NVXX C	TRANSPONDER GREEN 01	MPL 09	24.6N	84 35.1W	S ARIA02WT
2151	27/	2/82				NVXX B	TRANSPONDER GREEN 02	MPL 19	26.3S	119 50.5W	S ARIA02WT
1106	03/04/82					NVXX C	TRANSPONDER GREEN 02	MPL 09	24.6N	84 35.1W	S ARIA02WT
2222	27/	2/82				NVXX B	TRANSPONDER BLUE 01	MPL 19	25.4S	119 52.5W	S ARIA02WT
2236	2/	3/82				NVXX E	TRANSPONDER BLUE 01	MPL 19	25.4S	119 52.5W	S ARIA02WT
2256	27/	2/82				NVXX B	TRANSPONDER RED 02	MPL 19	24.0S	119 50.3W	S ARIA02WT
2145	3/	3/82				NVXX E	TRANSPONDER RED 02	MPL 19	25.4S	119 50.3W	S ARIA02WT
0536	2/	3/82				NVXX B	TRANSPONDER BLUE 02	MPL 19	25.0S	119 47.9W	S ARIA02WT
1106	03/04/82					NVXX C	TRANSPONDER BLUE 02	MPL 09	24.6N	84 35.1W	S ARIA02WT
0532	5/	3/82				NVXX B	TRANSPONDER RED 03	MPL 18	56.2S	116 53.5W	S ARIA02WT
1106	03/04/82					NVXX C	TRANSPONDER RED 03	MPL 09	24.6N	84 35.1W	S ARIA02WT
0604	5/	3/82				NVXX B	TRANSPONDER BLUE 03	MPL 18	54.0S	116 53.4W	S ARIA02WT
0803	7/	3/82				NVXX E	TRANSPONDER BLUE 03	MPL 18	55.5S	116 51.7W	S ARIA02WT
0634	5/	3/82				NVXX B	TRANSPONDER GREEN 03	MPL 18	54.6S	116 51.3W	S ARIA02WT
1717	8/	3/82				NVXX E	TRANSPONDER GREEN 03	MPL 18	54.7S	116 51.1W	S ARIA02WT
1235	7/	3/82				NVXX B	TRANSPONDER BLUE 04	MPL 18	57.0S	116 51.9W	S ARIA02WT
1106	03/04/82					NVXX C	TRANSPONDER BLUE 04	MPL 09	24.6N	84 35.1W	S ARIA02WT
0144	10/	3/82				NVXX B	TRANSPONDER GREEN 04	MPL 19	30.8S	114 56.5W	S ARIA02WT
1457	13/	3/82				NVXX E	TRANSPONDER GREEN 04	MPL 19	31.1S	114 57.1W	S ARIA02WT
0209	10/	3/82				NVXX B	TRANSPONDER RED 04	MPL 19	29.0S	114 56.6W	S ARIA02WT
1432	12/	3/82				NVXX E	TRANSPONDER RED 04	MPL 19	30.5S	114 57.5W	S ARIA02WT

GMT D / M / Y TIME DATE	LHC LHC TIME TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0232 10/ 3/82		NVXX B	TRANSPONDER BLUF 05	MPL 19	29.9S	114 58.3W	S ARIA02WT
1347 13/ 3/82		NVXX E	TRANSPONDER BLUF 05	MPL 19	29.9S	114 58.7W	S ARIA02WT

*** FATHOGRAMS ***

0523 21/ 2/82		DPR3 B	FPC 3.5KHZ R-01	GDC 18	51.0S	130 30.4W	S ARIA02WT
2300 21/ 2/82		DPR3 E	FPC 3.5KHZ R-01	GDC 18	48.2S	129 47.5W	S ARIA02WT
2352 21/ 2/82		DPR3 B	FPC 3.5KHZ R-02	GDC 18	48.5S	129 47.2W	S ARIA02WT
0705 1/ 3/82		DPR3 E	FPC 3.5KHZ R-02	GDC 19	25.5S	119 50.6W	S ARIA02WT
0715 1/ 3/82		DPR3 B	FPC 3.5KHZ R-03	GDC 19	25.5S	119 50.6W	S ARIA02WT
0240 7/ 3/82		DPR3 E	FPC 3.5KHZ R-03	GDC 18	54.5S	116 54.1W	S ARIA02WT
0250 7/ 3/82		DPR3 B	FPC 3.5KHZ R-04	GDC 18	54.6S	116 54.1W	S ARIA02WT
2140 12/ 3/82		DPR3 E	FPC 3.5KHZ R-04	GDC 19	29.8S	114 58.3W	S ARIA02WT
2148 12/ 3/82		DPR3 B	FPC 3.5KHZ R-05	GDC 19	29.9S	114 58.3W	S ARIA02WT
1300 28/ 3/82		DPR3 E	FPC 3.5KHZ R-05	GDC 02	50.0N	92 14.0W	S ARIA02WT
1308 28/ 3/82		DPR3 B	FPC 3.5KHZ R-06	GDC 02	50.5N	92 12.7W	S ARIA02WT
2236 31/ 3/82		DPR3 E	FPC 3.5KHZ R-06	GDC 07	20.0N	79 46.4W	S ARIA02WT

*** MAGNETOMETER ***

1535 20/ 2/82		MGRA B	MAGNETICS R-01	GDC 18	53.0S	133 21.4W	S ARIA02WT
0416 5/ 3/82		MGRA E	MAGNETICS R-01	GDC 18	58.5S	116 51.1W	S ARIA02WT
2030 8/ 3/82		MGRA B	MAGNETICS R-02	GDC 18	54.3S	116 53.8W	S ARIA02WT
1300 26/ 3/82		MGRA E	MAGNETICS R-02	GDC 00	01.7S	98 52.3W	S ARIA02WT
1306 26/ 3/82		MGRA B	MAGNETICS R-03	GDC 00	01.0S	98 51.4W	S ARIA02WT
1153 27/ 3/82		MGRA E	MAGNETICS R-03	GDC 01	34.5N	95 37.1W	S ARIA02WT

*** SEISMIC REFLECTION PROFILES ***

1930 20/ 2/82		SPRF B	AIRGUN-FAST R-01	GDC 18	53.2S	132 35.6W	S ARIA02WT
0740 26/ 2/82		SPRF E	AIRGUN-FAST R-01	GDC 19	36.6S	123 46.8W	S ARIA02WT
0745 26/ 2/82		SPRF B	AIRGUN-FAST R-02	GDC 19	36.6S	123 46.1W	S ARIA02WT
1600 9/ 3/82		SPRF E	AIRGUN-FAST R-02	GDC 19	35.8S	114 51.3W	S ARIA02WT
1606 9/ 3/82		SPRF B	AIRGUN-FAST R-03	GDC 19	35.8S	114 52.3W	S ARIA02WT
2110 26/ 3/82		SPRF E	AIRGUN-FAST R-03	GDC 00	52.4N	97 42.3W	S ARIA02WT
2000 20/ 2/82		SPRS B	AIRGUN-SLOW R-01	GDC 18	52.9S	132 29.2W	S ARIA02WT
0527 21/ 2/82		SPRS E	AIRGUN-SLOW R-01	GDC 18	51.0S	130 29.6W	S ARIA02WT

GMT TIME	D / M / Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
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0534	21/ 2/82			SPRS B	AIRGUN-SLOW R-02	GDC 18	51.0S	130 28.5W	S ARIA02WT
1800	25/ 3/82			SPRS E	AIRGUN-SLOW R-02	GDC 02	09.1S	101 37.5W	S ARIA02WT
1810	26/ 3/82			SPRS B	AIRGUN-SLOW R-03	GDC 00	38.0N	98 08.7W	S ARIA02WT
2110	26/ 3/82			SPRS E	AIRGUN-SLOW R-03	GDC 00	52.3N	97 42.5W	S ARIA02WT

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

0700	16/ 3/82			GVRA B	GRAVITY R-01	LMD 19	30.0S	113 18.5W	S ARIA02WT
1050	19/ 3/82			GVRA E	GRAVITY R-01	LMD 13	21.7S	111 12.2W	S ARIA02WT

SEAHEAM SWATH BOOK - REALTIME CONTOUR SWATH

0252	17/ 2/82			MBSB B	SB SWATH BOOK 01	GDC 17	26.7S	149 25.8W	S ARIA02WT
0314	18/ 2/82			MBSB E	SB SWATH BOOK 01	GDC 18	08.9S	144 22.5W	S ARIA02WT
0314	18/ 2/82			MBSB B	SB SWATH BOOK 02	GDC 18	08.9S	144 22.5W	S ARIA02WT
1600	19/ 2/82			MBSB E	SB SWATH BOOK 02	GDC 19	00.5S	138 04.3W	S ARIA02WT
1603	19/ 2/82			MBSB B	SB SWATH BOOK 03	GDC 19	00.4S	138 03.6W	S ARIA02WT
2316	20/ 2/82			MBSB E	SB SWATH BOOK 03	GDC 18	52.0S	131 48.4W	S ARIA02WT
2319	20/ 2/82			MBSB B	SB SWATH BOOK 04	GDC 18	51.9S	131 47.8W	S ARIA02WT
0315	25/ 2/82			MBSB E	SB SWATH BOOK 04	GDC 19	18.1S	127 29.6W	S ARIA02WT
0316	25/ 2/82			MBSB B	SB SWATH BOOK 05	GDC 19	18.1S	127 29.4W	S ARIA02WT
0211	27/ 2/82			MBSB E	SB SWATH BOOK 05	GDC 19	33.0S	121 15.7W	S ARIA02WT
0237	27/ 2/82			MBSB B	SB SWATH BOOK 06	GDC 19	32.8S	121 12.1W	S ARIA02WT
1948	4/ 3/82			MBSB E	SB SWATH BOOK 06	GDC 18	56.6S	117 00.4W	S ARIA02WT
1950	4/ 3/82			MBSB B	SB SWATH BOOK 07	GDC 18	56.6S	117 00.2W	S ARIA02WT
2025	9/ 3/82			MBSB E	SB SWATH BOOK 07	GDC 19	33.3S	114 59.9W	S ARIA02WT
2032	9/ 3/82			MBSB B	SB SWATH BOOK 08	GDC 19	33.3S	115 01.1W	S ARIA02WT
1117	15/ 3/82			MBSB E	SB SWATH BOOK 08	GDC 19	30.1S	113 38.5W	S ARIA02WT
1503	15/ 3/82			MBSB B	SB SWATH BOOK 09	GDC 19	32.3S	113 41.7W	S ARIA02WT
0937	17/ 3/82			MBSB E	SB SWATH BOOK 09	GDC 16	51.4S	113 05.0W	S ARIA02WT
0937	17/ 3/82			MBSB B	SB SWATH BOOK 10	GDC 16	51.4S	113 05.0W	S ARIA02WT
1814	18/ 3/82			MBSB E	SB SWATH BOOK 10	GDC 13	21.1S	112 01.4W	S ARIA02WT
1814	18/ 3/82			MBSB B	SB SWATH BOOK 11	GDC 13	21.1S	112 01.4W	S ARIA02WT
0407	20/ 3/82			MBSB E	SB SWATH BOOK 11	GDC 11	29.2S	110 35.8W	S ARIA02WT
0407	20/ 3/82			MBSB B	SB SWATH BOOK 12	GDC 11	29.2S	110 35.8W	S ARIA02WT
1431	21/ 3/82			MBSB E	SB SWATH BOOK 12	GDC 08	53.2S	108 25.0W	S ARIA02WT
1432	21/ 3/82			MBSB B	SB SWATH BOOK 13	GDC 08	53.1S	108 25.2W	S ARIA02WT
2319	22/ 3/82			MBSB E	SB SWATH BOOK 13	GDC 05	26.4S	106 39.1W	S ARIA02WT

GMT TIME	D / M / Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	16 JUL 82		PAGE 5	LEG-SHIP CRUISE
							LAT.	LONG.		
2319	22/ 3/82			MBSB B SB	SWATH BOOK 14	GDC 05	26.4S	106 39.1W	S	ARIA02WT
0907	24/ 3/82			MBSB E SB	SWATH BOOK 14	GDC 03	59.5S	104 23.3W	S	ARIA02WT
0908	24/ 3/82			MBSB B SB	SWATH BOOK 15	GDC 03	59.5S	104 23.1W	S	ARIA02WT
1814	25/ 3/82			MBSB E SB	SWATH BOOK 15	GDC 02	07.5S	101 35.5W	S	ARIA02WT
1816	25/ 3/82			MBSB B SB	SWATH BOOK 16	GDC 02	07.3S	101 35.2W	S	ARIA02WT
0651	27/ 3/82			MBSB E SB	SWATH BOOK 16	GDC 01	19.7N	96 20.2W	S	ARIA02WT
0651	27/ 3/82			MBSB B SB	SWATH BOOK 17	GDC 01	19.7N	96 20.2W	S	ARIA02WT
2258	28/ 3/82			MBSB E SB	SWATH BOOK 17	GDC 03	23.7N	90 41.0W	S	ARIA02WT
2300	28/ 3/82			MBSB B SB	SWATH BOOK 18	GDC 03	23.8N	90 40.8W	S	ARIA02WT
1257	30/ 3/82			MBSB E SB	SWATH BOOK 18	GDC 05	40.4N	84 28.5W	S	ARIA02WT
1237	30/ 3/82			MBSB B SB	SWATH BOOK 19	GDC 05	40.4N	84 28.5W	S	ARIA02WT
2243	31/ 3/82			MBSB E SB	SWATH BOOK 19	GDC 07	20.9N	79 46.4W	S	ARIA02WT
0324	17/ 2/82			MBSB B SB	SURVEY SWATH BOOK	MPL 17	26.7S	149 25.8W	S	ARIA02WT
2243	31/ 3/82			MBSB E 1	THRU 19	MPL 07	20.9N	79 46.4W	S	ARIA02WT

SEABEAM MAG TAPE - RAW LOGGED DATA

0320	17/ 2/82			MBMT B SB	MAG TAPE 01	GDC 17	26.6S	149 25.8W	S	ARIA02WT
1615	25/ 2/82			MBMT E SB	MAG TAPE 01	GDC 19	38.7S	125 42.0W	S	ARIA02WT
1615	25/ 2/82			MBMT B SB	MAG TAPE 02	GDC 19	38.7S	125 42.0W	S	ARIA02WT
0252	10/ 3/82			MBMT E SB	MAG TAPE 02	GDC 19	29.7S	114 57.6W	S	ARIA02WT
0252	10/ 3/82			MBMT B SB	MAG TAPE 03	GDC 19	29.7S	114 57.6W	S	ARIA02WT
1041	19/ 3/82			MBMT E SB	MAG TAPE 03	GDC 13	23.3S	111 12.7W	S	ARIA02WT
1041	19/ 3/82			MBMT B SB	MAG TAPE 04	GDC 13	23.3S	111 12.7W	S	ARIA02WT
2045	23/ 3/82			MBMT E SB	MAG TAPE 04	GDC 04	30.7S	105 26.9W	S	ARIA02WT
2045	23/ 3/82			MBMT B SB	MAG TAPE 05	GDC 04	30.7S	105 26.9W	S	ARIA02WT
0830	28/ 3/82			MBMT E SB	MAG TAPE 05	GDC 02	34.7N	92 52.5W	S	ARIA02WT
0830	28/ 3/82			MBMT B SB	MAG TAPE 06	GDC 02	34.7N	92 52.5W	S	ARIA02WT
2112	31/ 3/82			MBMT E SB	MAG TAPE 06	GDC 07	12.8N	79 52.1W	S	ARIA02WT

SEABEAM MONITOR RECORD - VERTICAL BEAM

0241	17/ 2/82			MBMR B SB	UGR MONITOR R-01	GDC 17	26.7S	149 25.8W	S	ARIA02WT
0055	18/ 2/82			MBMR E SB	UGR MONITOR R-01	GDC 18	04.6S	144 50.9W	S	ARIA02WT
0104	18/ 2/82			MBMR B SB	UGR MONITOR R-02	GDC 18	04.9S	144 49.0W	S	ARIA02WT
1650	22/ 2/82			MBMR E SB	UGR MONITOR R-02	GDC 18	45.8S	129 46.8W	S	ARIA02WT
1715	22/ 2/82			MBMR B SB	UGR MONITOR R-03	GDC 18	45.4S	129 46.5W	S	ARIA02WT
0406	27/ 2/82			MBMR E SB	UGR MONITOR R-03	GDC 19	32.5S	120 59.2W	S	ARIA02WT

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

0425	2/	2/82			MBMR	B	SB	UGR	MONITOR	R-04	GDC	19	32.4S	120	56.5W	S	ARIA02WT
0250	2/	2/82			MBMR	E	SB	UGR	MONITOR	R-04	GDC	19	25.2S	119	48.0W	S	ARIA02WT
0400	2/	3/82			MBMR	B	SB	UGR	MONITOR	R-05	GDC	19	25.2S	119	48.0W	S	ARIA02WT
1040	5/	3/82			MBMR	E	SB	UGR	MONITOR	R-05	GDC	18	55.7S	116	50.7W	S	ARIA02WT
1050	5/	3/82			MBMR	B	SB	UGR	MONITOR	R-06	GDC	18	55.7S	116	50.4W	S	ARIA02WT
0322	8/	3/82			MBMR	E	SB	UGR	MONITOR	R-06	GDC	18	58.4S	116	52.2W	S	ARIA02WT
0333	8/	3/82			MBMR	B	SB	UGR	MONITOR	R-07	GDC	18	58.5S	116	52.2W	S	ARIA02WT
0925	11/	3/82			MBMR	E	SB	UGR	MONITOR	R-07	GDC	19	30.1S	114	56.4W	S	ARIA02WT
0934	11/	3/82			MBMR	B	SB	UGR	MONITOR	R-08	GDC	19	30.1S	114	56.4W	S	ARIA02WT
2352	13/	3/82			MBMR	E	SB	UGR	MONITOR	R-08	GDC	19	30.2S	114	51.6W	S	ARIA02WT
0015	14/	3/82			MBMR	B	SB	UGR	MONITOR	R-09	GDC	19	30.0S	114	08.0W	S	ARIA02WT
2041	17/	3/82			MBMR	E	SB	UGR	MONITOR	R-09	GDC	15	39.1S	112	55.7W	S	ARIA02WT
2053	17/	3/82			MBMR	B	SB	UGR	MONITOR	R-10	GDC	15	37.4S	112	54.8W	S	ARIA02WT
2252	22/	3/82			MBMR	E	SB	UGR	MONITOR	R-10	GDC	05	30.5S	106	42.0W	S	ARIA02WT
2302	22/	3/82			MBMR	B	SB	UGR	MONITOR	R-11	GDC	05	28.6S	106	41.5W	S	ARIA02WT
0005	28/	3/82			MBMR	E	SB	UGR	MONITOR	R-11	GDC	02	13.4N	94	02.4W	S	ARIA02WT
0027	28/	3/82			MBMR	B	SB	UGR	MONITOR	R-12	GDC	02	14.3N	93	59.4W	S	ARIA02WT
2250	31/	3/82			MBMR	E	SB	UGR	MONITOR	R-12	GDC	07	21.8N	79	46.4W	S	ARIA02WT

SFABEAM SOUND VELOCITY PROFILE

2105	3/	3/82			MBVP				SOUND VELOCITY		GDC	19	25.6S	119	48.6W	S	ARIA02WT
0258	18/	3/82			MBVP				SOUND VELOCITY		GDC	14	46.1S	112	40.4W	S	ARIA02WT
0205	28/	3/82			MBVP				SOUND VELOCITY		GDC	02	18.8N	93	46.2W	S	ARIA02WT

*** THERMOGRAPH ***

0200	17/	2/82			TGRC	B			THERMOGRAPH SHEETS		GDC	17	26.7S	149	25.8W	S	ARIA02WT
2359	31/	3/82			TGRC	E			1 THRU 41		GDC	07	30.4N	79	45.5W	S	ARIA02WT

*** BATHY THERMOGRAPH ***

1612	20/	2/82			RTXP				XBT 01		GDC	18	53.1S	133	12.9W	S	ARIA02WT
2159	15/	3/82			RTXP				XBT 02		GDC	19	29.9S	113	17.7W	S	ARIA02WT
2016	28/	3/82			RTXP				XBT 03		GDC	03	13.8N	91	06.1W	S	ARIA02WT

HEAT FLUX

0015	22/	2/82			HHEF	B			LDG0 HF1		LDG	18	48.7S	129	47.3W	S	ARIA02WT
0232	22/	2/82			HHEF	E			LDG0 HF1		LDG	18	48.6S	129	47.8W	S	ARIA02WT

GMT TIME	D / M / Y DATE	LOC TIME	LOC T2	CONF SAMP	SAMPLE TOFNT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1400	22/ 2/82			HFME B	LDGO HF2	4250M	LDD 18 46.9S	129 47.9W	S ARIA02WT
1602	22/ 2/82			HFME E	LDGO HF2	4250M	LDD 18 46.3S	129 47.4W	S ARIA02WT
2144	23/ 2/82			HFME B	SIO HF3	4023M	SIO 18 47.6S	129 47.0W	S ARIA02WT
2300	23/ 2/82			HFME E	SIO HF3	4227M	SIO 18 47.9S	129 45.9W	S ARIA02WT
0150	24/ 2/82			HFME B	SIO HF4	4100M	SIO 18 48.5S	129 45.7W	S ARIA02WT
0559	24/ 2/82			HFME E	SIO HF4	4100M	SIO 18 47.6S	129 43.8W	S ARIA02WT
0352	28/ 2/82			HFME B	SIO HF5	3705M	SIO 19 24.7S	119 55.0W	S ARIA02WT
0425	28/ 2/82			HFME E	SIO HF5	3705M	SIO 19 24.8S	119 55.0W	S ARIA02WT
0627	28/ 2/82			HFME B	SIO HF6	3627M	SIO 19 23.3S	119 54.5W	S ARIA02WT
0747	28/ 2/82			HFME E	SIO HF6	3627M	LDD 19 23.8S	119 53.8W	S ARIA02WT
1312	28/ 2/82			HFME B	SIO HF7	3584M	LDD 19 24.1S	119 53.5W	S ARIA02WT
1742	28/ 2/82			HFME E	SIO HF7	3595M	LDD 19 24.6S	119 52.0W	S ARIA02WT
2054	28/ 2/82			HFGC	LDGO HF8	3570M	LDD 19 25.4S	119 49.6W	S ARIA02WT
0013	1/ 3/82			HFME B	SIO HF9	3530M	LDD 19 22.0S	119 51.0W	S ARIA02WT
0219	1/ 3/82			HFME E	SIO HF9	3479M	LDD 19 23.3S	119 50.7W	S ARIA02WT
0452	1/ 3/82			HFME B	SIO HF10	3444M	LDD 19 24.0S	119 50.7W	S ARIA02WT
0704	1/ 3/82			HFME E	SIO HF10	3565M	LDD 19 25.5S	119 50.6W	S ARIA02WT
1251	1/ 3/82			HFGC	LDGO HF11	3670M	LDD 19 26.2S	119 51.7W	S ARIA02WT
1601	1/ 3/82			HFME B	SIO HF12	3500M	LDD 19 26.0S	119 50.3W	S ARIA02WT
1815	1/ 3/82			HFME E	SIO HF12	3595M	LDD 19 26.3S	119 48.9W	S ARIA02WT
2031	1/ 3/82			HFME B	SIO HF13	3518M	LDD 19 26.4S	119 48.2W	S ARIA02WT
0024	2/ 3/82			HFME E	SIO HF13	3490M	LDD 19 24.8S	119 48.3W	S ARIA02WT
0945	2/ 3/82			HFME B	SIO HF14	3510M	LDD 19 24.8S	119 48.3W	S ARIA02WT
1145	2/ 3/82			HFME E	SIO HF14	3536M	LDD 19 24.2S	119 47.5W	S ARIA02WT
1852	2/ 3/82			HFME B	SIO HF15	3446M	LDD 19 26.7S	119 54.3W	S ARIA02WT
2056	2/ 3/82			HFME E	SIO HF15	3570M	LDD 19 26.6S	119 53.0W	S ARIA02WT
0649	3/ 3/82			HFME B	SIO HF16	3510M	LDD 19 23.7S	119 48.9W	S ARIA02WT
0850	3/ 3/82			HFME E	SIO HF16	3490M	LDD 19 23.4S	119 47.6W	S ARIA02WT
1104	3/ 3/82			HFME B	SIO HF17	3450M	LDD 19 23.9S	119 47.2W	S ARIA02WT
1307	3/ 3/82			HFME E	SIO HF17	3400M	LDD 19 23.8S	119 46.2W	S ARIA02WT
1031	5/ 3/82			HFME B	SIO HF18	3330M	LDD 18 55.7S	116 50.8W	S ARIA02WT
1229	5/ 3/82			HFME E	SIO HF18	3290M	LDD 18 55.8S	116 49.7W	S ARIA02WT
2311	5/ 3/82			HFME B	SIO HF19	3350M	LDD 18 55.0S	116 52.7W	S ARIA02WT
0156	6/ 3/82			HFME E	SIO HF19	3360M	LDD 18 55.3S	116 51.4W	S ARIA02WT
1047	6/ 3/82			HFME B	SIO HF20	3325M	LDD 18 53.4S	116 50.3W	S ARIA02WT
1541	6/ 3/82			HFME E	SIO HF20	3315M	LDD 18 54.7S	116 49.6W	S ARIA02WT

GIT TIME	H DATE	Z TIME	Y TZ	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0031	7/	3/82				HFME B S10 HF21	3470M	LDD 18	54.2S	116 55.0E	S ARIA02WT
0426	7/	3/82				HFME E S10 HF21	3360M	LDD 18	54.5S	116 53.5E	S ARIA02WT
1409	7/	3/82				HFME B S10 HF22	3315M	LDD 18	58.1S	116 51.9W	S ARIA02WT
1743	7/	3/82				HFME E S10 HF22	3320M	LDD 18	58.7S	116 51.3W	S ARIA02WT
0217	8/	3/82				HFME B S10 HF23	3350M	LDD 18	58.1S	116 52.7W	S ARIA02WT
0418	8/	3/82				HFME E S10 HF23	3299M	LDD 18	58.5S	116 52.1W	S ARIA02WT
0636	8/	3/82				HFME B S10 HF24	3305M	LDD 18	58.6S	116 52.1W	S ARIA02WT
0921	8/	3/82				HFME E S10 HF24	3284M	LDD 18	59.0S	116 50.9W	S ARIA02WT
0136	10/	3/82				HFME B S10 HF25	3350M	LDD 19	30.8S	114 56.6W	S ARIA02WT
1009	10/	3/82				HFME E S10 HF25	3350M	LDD 19	29.0S	114 56.5W	S ARIA02WT
1236	10/	3/82				HFME B S10 HF26	3335M	LDD 19	29.4S	114 57.7W	S ARIA02WT
1543	10/	3/82				HFME E S10 HF26	3280M	LDD 19	29.5S	114 57.0W	S ARIA02WT
1422	11/	3/82				HFME B S10 HF27	3300M	LDD 19	29.5S	114 59.3W	S ARIA02WT
1704	11/	3/82				HFME E S10 HF27	3300M	LDD 19	30.7S	114 59.1W	S ARIA02WT
1932	11/	3/82				HFME B S10 HF28	3210M	LDD 19	29.8S	114 58.4W	S ARIA02WT
2221	11/	3/82				HFME E S10 HF28	3285M	LDD 19	29.5S	114 57.6W	S ARIA02WT
0327	12/	3/82				HFME B S10 HF29	3320M	LDD 19	30.6S	114 59.0W	S ARIA02WT
0614	12/	3/82				HFME E S10 HF29	3320M	LDD 19	30.6S	114 58.2W	S ARIA02WT
0837	12/	3/82				HFME B S10 HF30	3257M	LDD 19	31.3S	114 57.7W	S ARIA02WT
1012	12/	3/82				HFME E S10 HF30	3280M	LDD 19	30.9S	114 57.5W	S ARIA02WT
1244	12/	3/82				HFME B S10 HF31	3288M	LDD 19	30.7S	114 58.0W	S ARIA02WT
1615	12/	3/82				HFME E S10 HF31	3308M	LDD 19	30.5S	114 57.2W	S ARIA02WT
0021	13/	3/82				HFME B S10 HF32	3345M	LDD 19	29.8S	114 57.5W	S ARIA02WT
0118	13/	3/82				HFME E S10 HF32	3350M	LDD 19	29.8S	114 57.3W	S ARIA02WT
0542	13/	3/82				HFME B S10 HF33	3330M	LDD 19	29.9S	114 57.1W	S ARIA02WT
0629	13/	3/82				HFME E S10 HF33	3320M	LDD 19	29.9S	114 56.9W	S ARIA02WT
0821	13/	3/82				HFME B S10 HF34	3325M	LDD 19	30.1S	114 56.5W	S ARIA02WT
1004	13/	3/82				HFME E S10 HF34	3342M	LDD 19	29.9S	114 56.2W	S ARIA02WT
0550	16/	3/82				HFGC LDG0 HF35	3140M	LDD 19	29.5S	113 17.7W	S ARIA02WT
*** CORES ***											
1018	22/	2/82				COGV ARIA01	4130M	SIX 18	48.6S	129 45.1W	S ARIA02WT
2054	28/	2/82				COGH ARIA02	3570M	SIX 19	25.4S	119 49.6W	S ARIA02WT
1251	1/	3/82				COGH ARIA03	3670M	SIX 19	26.2S	119 51.7W	S ARIA02WT
0347	2/	3/82				COGV ARIA04	3570M	SIX 19	25.2S	119 48.0W	S ARIA02WT
2357	2/	3/82				COGV ARIA05	3680M	SIX 19	24.3S	119 52.9W	S ARIA02WT
1531	3/	3/82				COGV ARIA06	3600M	SIX 19	23.5S	119 48.4W	S ARIA02WT
0732	6/	3/82				COGV ARIA07	3360M	SIX 18	55.8S	116 50.4W	S ARIA02WT

GPT TIME	D DATE	Z/D DATE	LOC TIME	LIC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1816	6/	3/82			COGV	ARIA08	3350M	SIX 18	55.6S 116	50.2W S ARIA02WT
0700	7/	3/82			COGV	ARIA09	3430M	SIX 18	55.1S 116	51.6W S ARIA02WT
2001	7/	3/82			COGV	ARIA10	3310M	SIX 18	58.7S 116	51.3W S ARIA02WT
1548	8/	3/82			COGV	ARIA11	3370M	SIX 18	55.5S 116	50.6W S ARIA02WT
1726	10/	3/82			COGV	ARIA12	3380M	SIX 19	29.6S 114	57.1W S ARIA02WT
0351	11/	3/82			COGV	ARIA13	3440M	SIX 19	29.7S 114	58.1W S ARIA02WT
0603	11/	3/82			COGV	ARIA14	3390M	SIX 19	29.8S 114	56.3W S ARIA02WT
1200	11/	3/82			COGV	ARIA15	3340M	SIX 19	29.6S 114	58.7W S ARIA02WT
2128	12/	3/82			COGV	ARIA16	3380M	SIX 19	29.8S 114	58.2W S ARIA02WT
0550	16/	3/82			COGH	ARIA17 T6		SIX 19	29.5S 113	17.7W S ARIA02WT

HYDROGRAPHIC CAST

1938	21/	7/82			HCNI	TS NI		SIX 18	48.1S 129	45.3W S ARIA02WT
1629	13/	3/82			HCNI	TS NI		SIX 19	31.7S 114	57.1W S ARIA02WT
0151	14/	3/82			HCNI	TS NI		SIX 19	30.1S 114	08.2W S ARIA02WT
0715	14/	3/82			HCNI	TS NI		SIX 19	30.3S 113	52.9W S ARIA02WT
1134	14/	3/82			HCNI	TS NI		SIX 19	30.3S 113	43.3W S ARIA02WT
1623	14/	3/82			HCNI	TS NI		SIX 19	30.8S 113	44.6W S ARIA02WT
0342	15/	3/82			HCNI	TS NI		SIX 19	31.7S 113	53.2W S ARIA02WT
0738	15/	3/82			HCNI	TS NI		SIX 19	31.1S 113	54.1W S ARIA02WT
1217	15/	3/82			HCNI	TS NI		SIX 19	30.2S 113	38.2W S ARIA02WT
1701	15/	3/82			HCNI	TS NI		SIX 19	30.5S 113	40.3W S ARIA02WT
2315	15/	3/82			HCNI	TS NI		SIX 19	30.1S 113	17.9W S ARIA02WT
0258	16/	3/82			HCNI	TS NI		SIX 19	30.0S 113	18.3W S ARIA02WT

GEOCHEMICAL SAMPLE

0641	22/	7/82			GCXX	B HARPON	01	4150M	SIX 18	48.3S 129	46.3W S ARIA02WT
0722	22/	7/82			GCXX	E HARPON	01	4150M	SIX 18	48.3S 129	46.2W S ARIA02WT
0859	24/	7/82			GCXX	B HARPON	02	4160M	SIX 18	48.0S 129	46.8W S ARIA02WT
0938	24/	7/82			GCXX	E HARPON	02	4160M	SIX 18	47.9S 129	46.3W S ARIA02WT
0010	28/	7/82			GCXX	B HARPON	03	3600M	SIX 19	24.3S 119	50.2W S ARIA02WT
0112	28/	7/82			GCXX	E HARPON	03	3600M	SIX 19	24.7S 119	50.5W S ARIA02WT
0956	28/	7/82			GCXX	B HARPON	04	3710M	SIX 19	24.1S 119	53.6W S ARIA02WT
1036	28/	7/82			GCXX	F HARPON	04	3710M	SIX 19	24.0S 119	53.5W S ARIA02WT
0931	1/	3/82			GCXX	B HARPON	05	3640M	SIX 19	24.9S 119	52.2W S ARIA02WT
1021	1/	3/82			GCXX	E HARPON	05	3640M	SIX 19	25.1S 119	52.0W S ARIA02WT
0631	2/	3/82			GCXX	B HARPON	06	3565M	SIX 19	25.0S 119	48.1W S ARIA02WT
0726	2/	3/82			GCXX	E HARPON	06	3565M	SIX 19	25.0S 119	47.7W S ARIA02WT
1408	2/	3/82			GCXX	B HARPON	07	3565M	SIX 19	24.4S 119	47.9W S ARIA02WT
1449	2/	3/82			GCXX	E HARPON	07	3565M	SIX 19	24.5S 119	47.8W S ARIA02WT
0325	3/	3/82			GCXX	B HARPON	08	3685M	SIX 19	24.8S 119	53.3W S ARIA02WT
0403	3/	3/82			GCXX	E HARPON	08	3685M	SIX 19	24.8S 119	53.4W S ARIA02WT

GMT TIME	D DATE	M /	Y /	LOC TIME	LOC T2	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LFG-SHIP CRUISE	
1755	3/	3/	82			GCXX B	HARPOON 09	3600M	SIX 19	24.5S	119 47.6W S	ARIA02WT
1822	3/	3/	82			GCXX E	HARPOON 09	3600M	SIX 19	24.7S	119 47.6W S	ARIA02WT
0648	5/	3/	82			GCXX B	HARPOON 10	3425M	SIX 18	54.6S	116 51.1W S	ARIA02WT
0826	5/	3/	82			GCXX E	HARPOON 10	3425M	SIX 18	55.2S	116 50.8W S	ARIA02WT
0321	6/	3/	82			GCXX B	HARPOON 11	3432M	SIX 18	55.2S	116 51.8W S	ARIA02WT
0503	6/	3/	82			GCXX E	HARPOON 11	3432M	SIX 18	55.2S	116 51.9W S	ARIA02WT
1948	6/	3/	82			GCXX B	HARPOON 12	3335M	SIX 18	55.5S	116 50.5W S	ARIA02WT
2213	6/	3/	82			GCXX E	HARPOON 12	3335M	SIX 18	55.9S	116 50.2W S	ARIA02WT
0945	7/	3/	82			GCXX B	HARPOON 13	3335M	SIX 18	55.7S	116 50.2W S	ARIA02WT
1207	7/	3/	82			GCXX E	HARPOON 13	3335M	SIX 18	55.5S	116 50.0W S	ARIA02WT
2223	7/	3/	82			GCXX B	HARPOON 14	3335M	SIX 18	55.7S	116 50.2W S	ARIA02WT
0044	8/	3/	82			GCXX E	HARPOON 14	3335M	SIX 18	55.8S	116 50.6W S	ARIA02WT
1100	8/	3/	82			GCXX B	HARPOON 15	3335M	SIX 18	55.8S	116 50.5W S	ARIA02WT
1330	8/	3/	82			GCXX E	HARPOON 15	3335M	SIX 18	55.8S	116 49.8W S	ARIA02WT
1756	8/	3/	82			GCXX B	HARPOON 16	3550M	SIX 18	54.2S	116 55.3W S	ARIA02WT
2018	8/	3/	82			GCXX E	HARPOON 16	3550M	SIX 18	54.2S	116 54.8W S	ARIA02WT
0258	10/	3/	82			GCXX B	HARPOON 17	3435M	SIX 19	29.7S	114 57.6W S	ARIA02WT
0523	10/	3/	82			GCXX E	HARPOON 17	3435M	SIX 19	30.1S	114 58.1W S	ARIA02WT
1918	10/	3/	82			GCXX B	HARPOON 18	3382M	SIX 19	29.6S	114 57.3W S	ARIA02WT
2213	10/	3/	82			GCXX E	HARPOON 18	3382M	SIX 19	29.7S	114 57.2W S	ARIA02WT
0735	11/	3/	82			GCXX B	HARPOON 19	3390M	SIX 19	29.8S	114 56.7W S	ARIA02WT
1002	11/	3/	82			GCXX E	HARPOON 19	3390M	SIX 19	30.0S	114 56.2W S	ARIA02WT
2342	11/	3/	82			GCXX B	HARPOON 20	3410M	SIX 19	29.7S	114 58.2W S	ARIA02WT
0215	12/	3/	82			GCXX E	HARPOON 20	3410M	SIX 19	30.2S	114 58.0W S	ARIA02WT
1745	12/	3/	82			GCXX B	HARPOON 21	3435M	SIX 19	29.7S	114 57.8W S	ARIA02WT
2002	12/	3/	82			GCXX E	HARPOON 21	3435M	SIX 19	29.9S	114 57.2W S	ARIA02WT
1136	13/	3/	82			GCXX B	HARPOON 22	3365M	SIX 19	29.5S	114 58.2W S	ARIA02WT
1405	13/	3/	82			GCXX E	HARPOON 22	3365M	SIX 19	29.2S	114 57.5W S	ARIA02WT

9900

END SAMPLE INDEX

ARIA02WT