INFORMAL REPORT AND INDEX OF

NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

(Issued June 1982)

ARIADNE EXPEDITION

LEG 1

San Diego, Calif. (12 January 1982)
to
Papeete, Tahiti (10 February 1982)

R/V T. Washington

Chief Scientist - T. Shipley (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 OCE80-24472
and JOI, Inc.
Data Processing funded by SIA and NSF

GDC Cruise I.D.# - 193

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&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 NGD77 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.

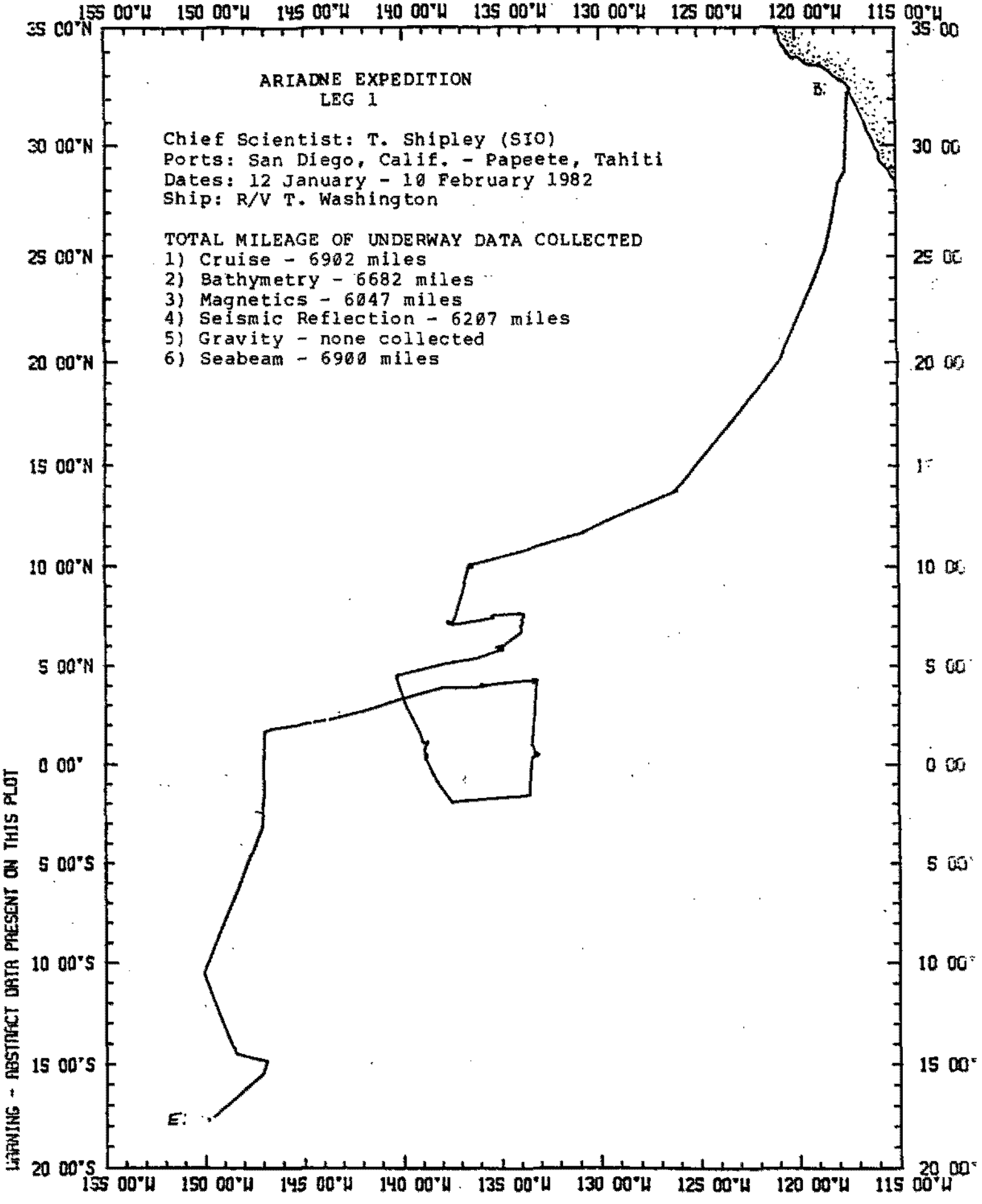
3) Sea Beam merged tapes - Sea Beam data merged with navigation (navigation is edited to the extent that poor fixes are removed after inspection of drift vectors between fix pairs. No editing is done on the basis of adjusting to overlapping Sea Beam swaths.)

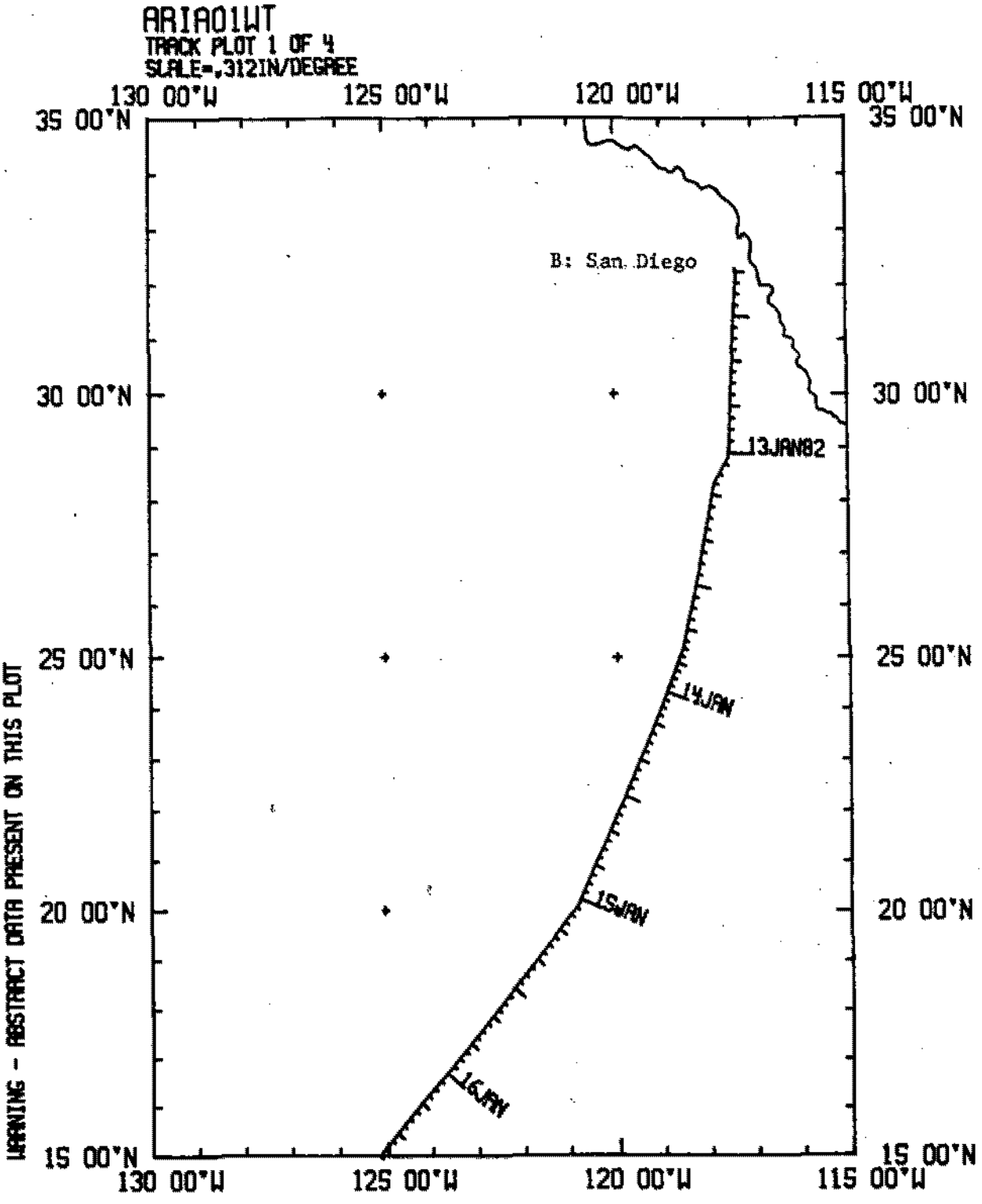
4) Custom generated plots of Sea Beam swaths on Mercator projection in four colors at variable plot scales and contour intervals. There are provisions to adjust positions of individual track lines and to edit out beams (bad data or overlapping data on inside of turns).

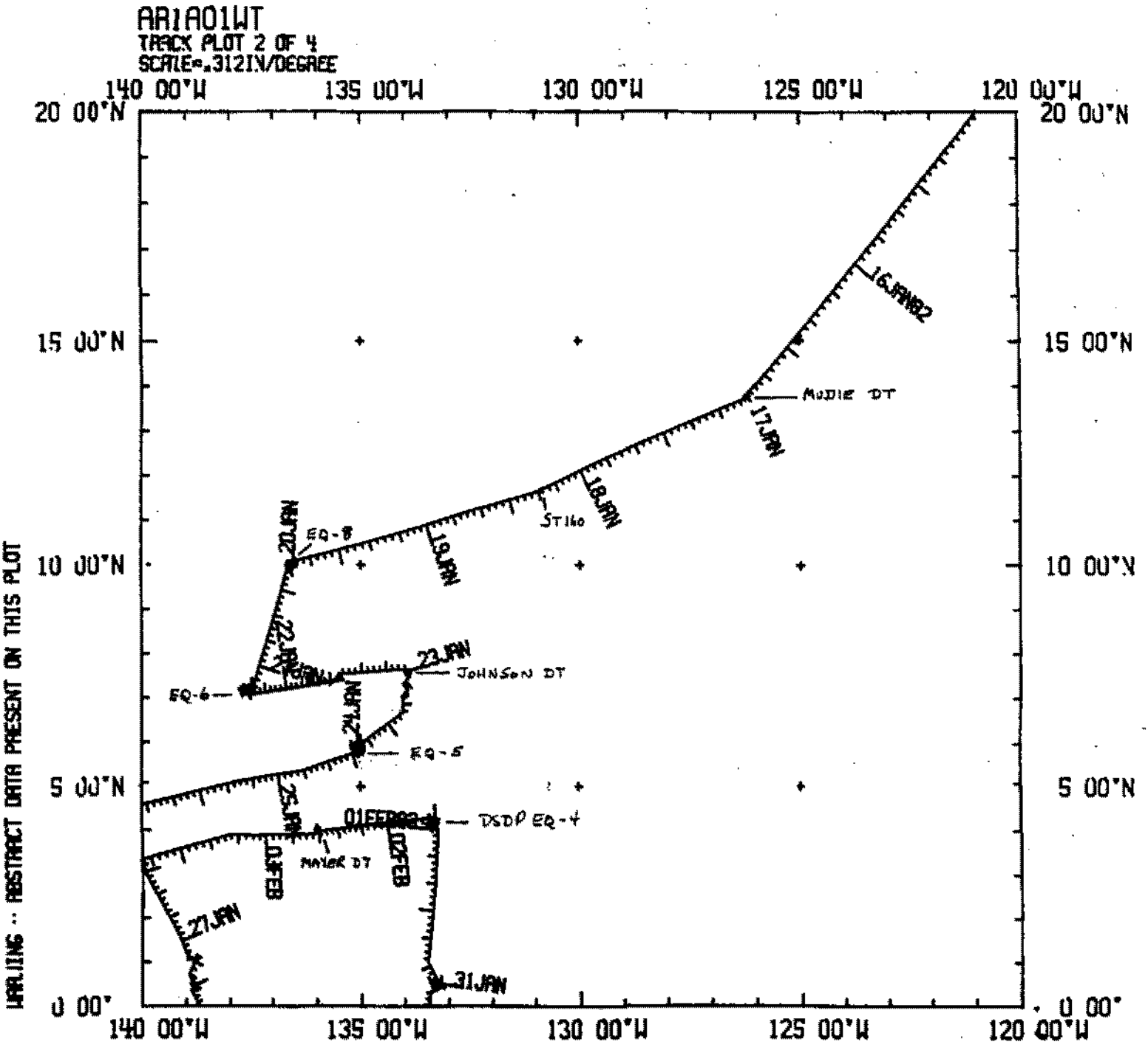
S. M. Smith June 1982

AR1A01WT TRACK PLOT

SCALE=.1632IN/DEGREE

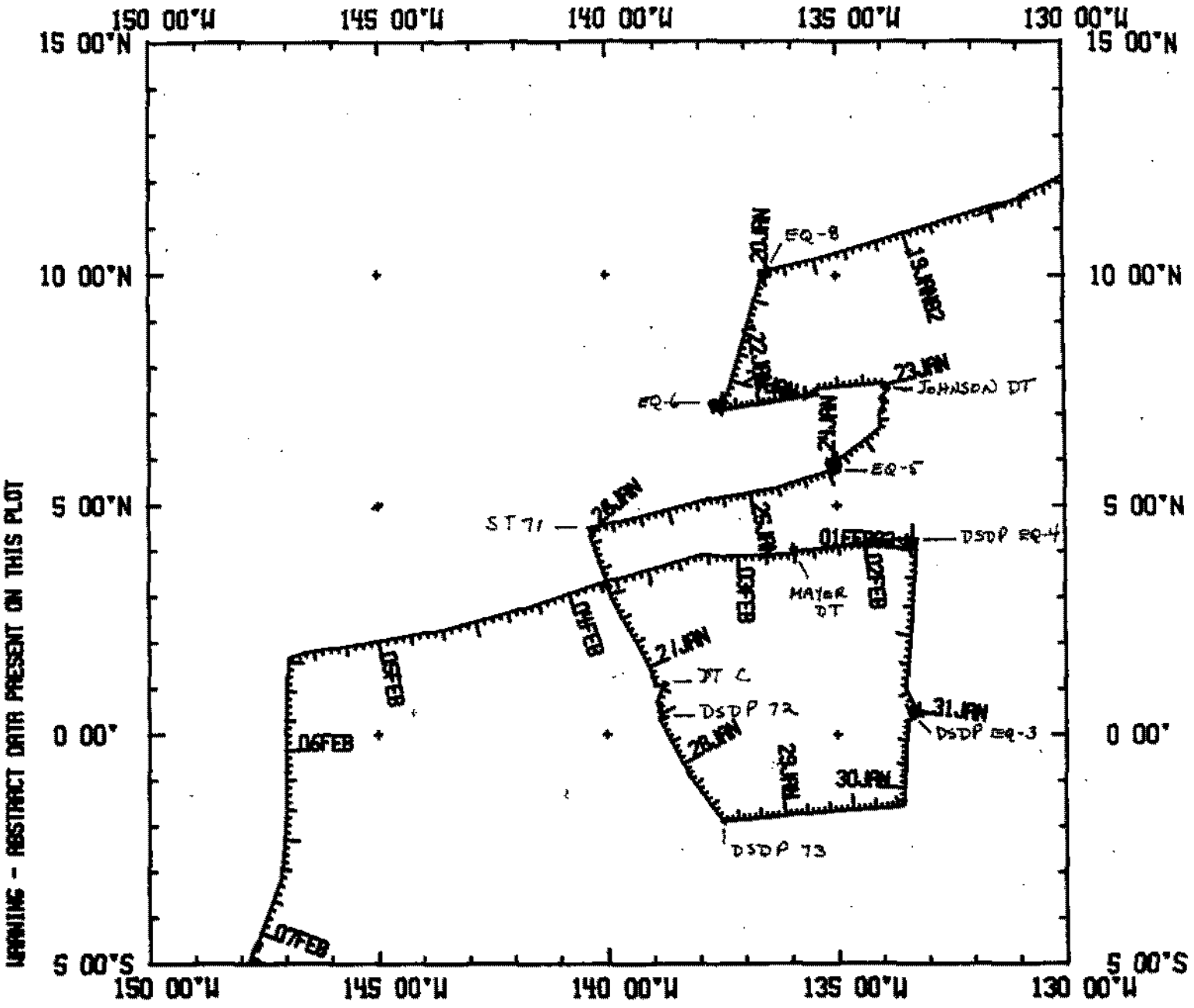



ARIA01WT
TRACK PLOT 1 OF 4
SCALE=.312IN/DEGREE
130 00°W
125 00°W
120 00°W
115 00°W
35 00°N
30 00°N
25 00°N
20 00°N
15 00°N
B: San Diego
13JAN82
14JAN
15JAN
16JAN
WARNING - ABSTRACT DATA PRESENT ON THIS PLOT

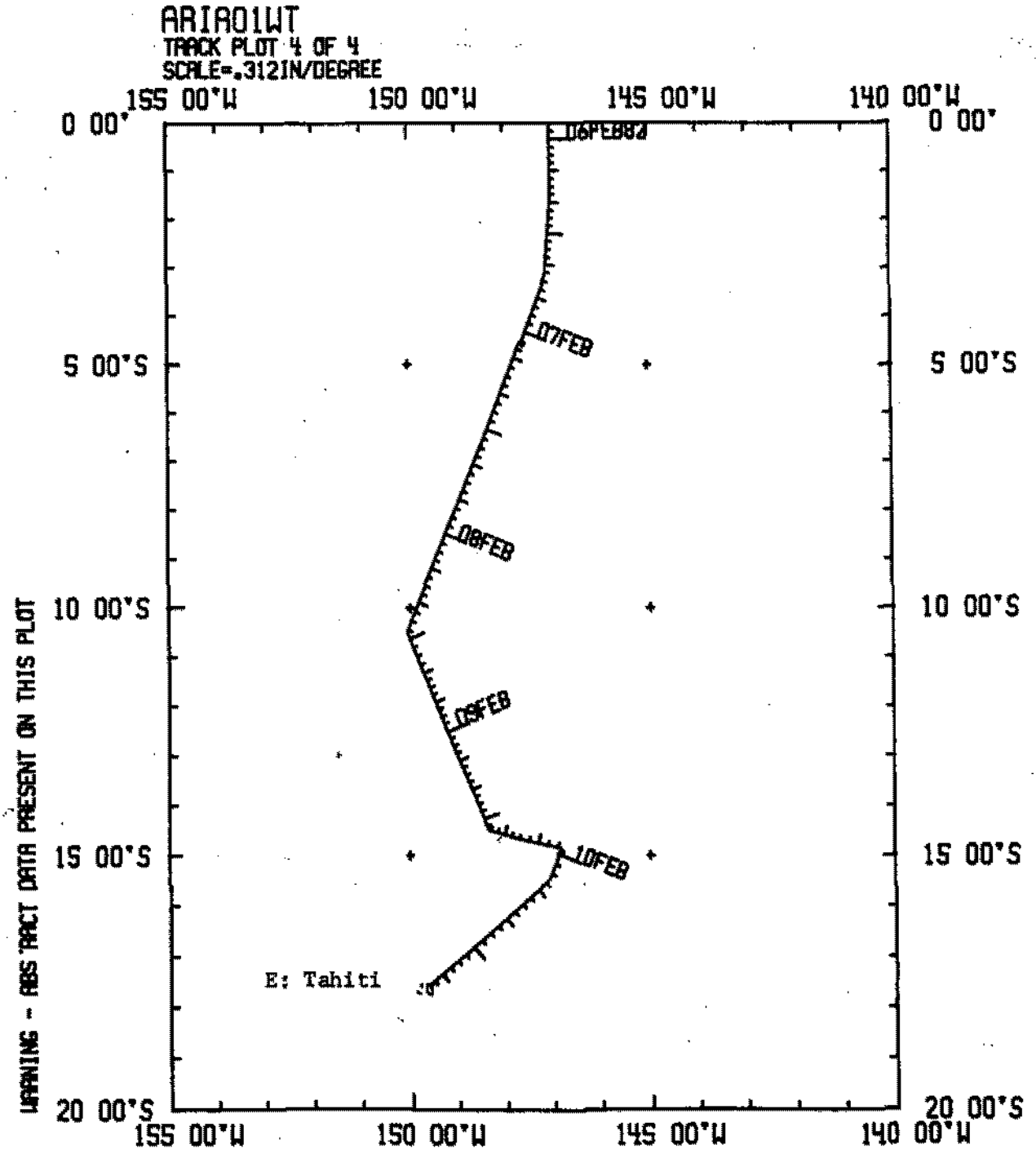

AR1A01WT
TRACK PLOT 2 OF 4
SCALE=.312IN/DEGREE
140 00°W
135 00°W
130 00°W
125 00°W
120 00°W
20 00°N
15 00°N
10 00°N
5 00°N
0 00°
16JAN82
MUDIE DT
17JAN
18JAN
ST140
19JAN
20JAN
EQ-8
22JAN
23JAN
JOHNSON DT
EQ-6
24JAN
EQ-5
25JAN
01FEB83
DSDP EQ-4
MAYOR DT
02FEB
03FEB
27JAN
31JAN
WARNING - ABSTRACT DATA PRESENT ON THIS PLOT

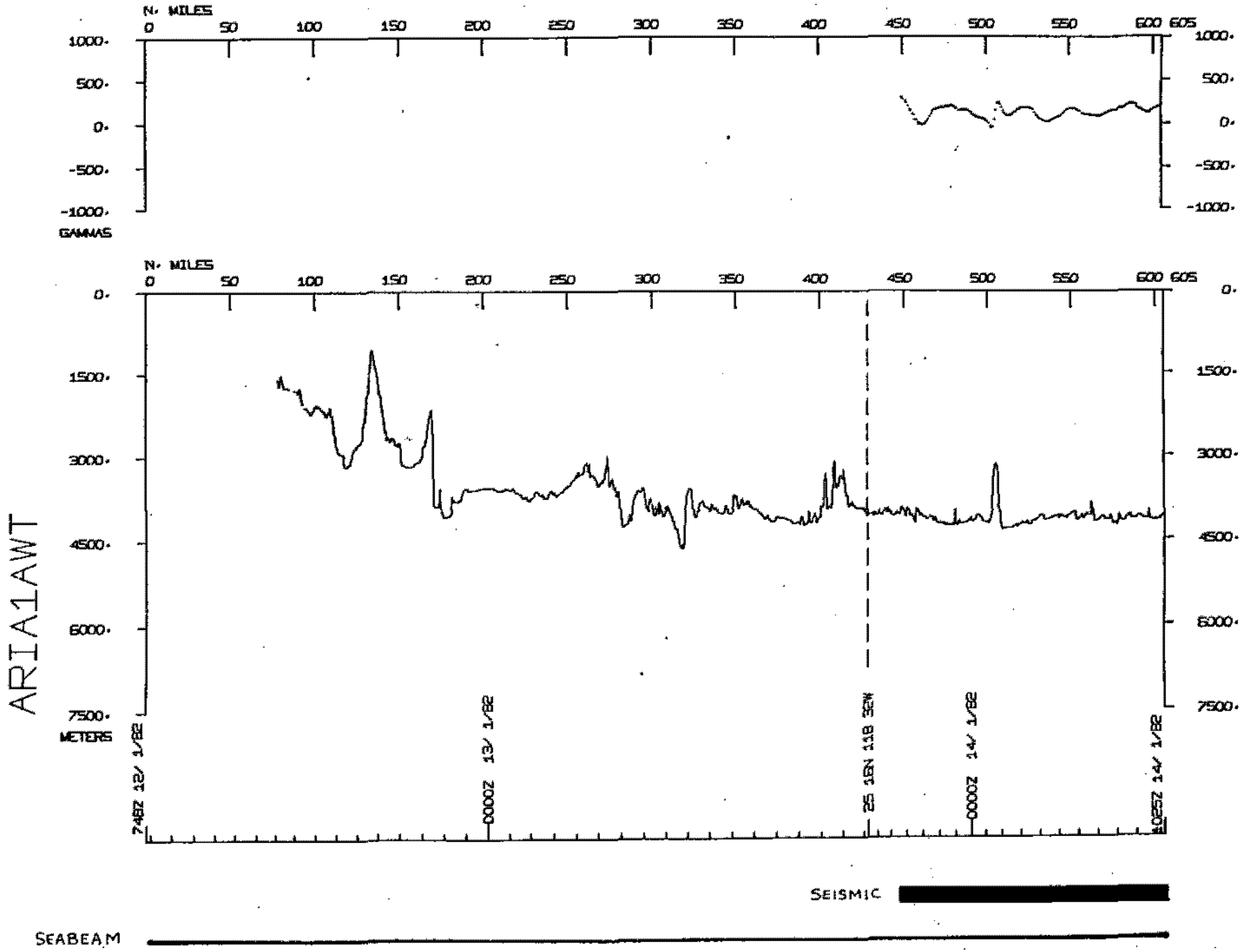
ARIA01WT

TRACK PLOT 3 OF 4 AT .3121N/DEGREE



WARNING - ABSTRACT DATA PRESENT ON THIS PLOT


ARIR01WT
TRACK PLOT 4 OF 4
SCALE=.312IN/DEGREE
155 00°W
150 00°W
145 00°W
140 00°W
0 00°
5 00°S
10 00°S
15 00°S
20 00°S
06FEB88
07FEB
08FEB
09FEB
10FEB
E: Tahiti
WARNING - ABS TRACT DATA PRESENT ON THIS PLOT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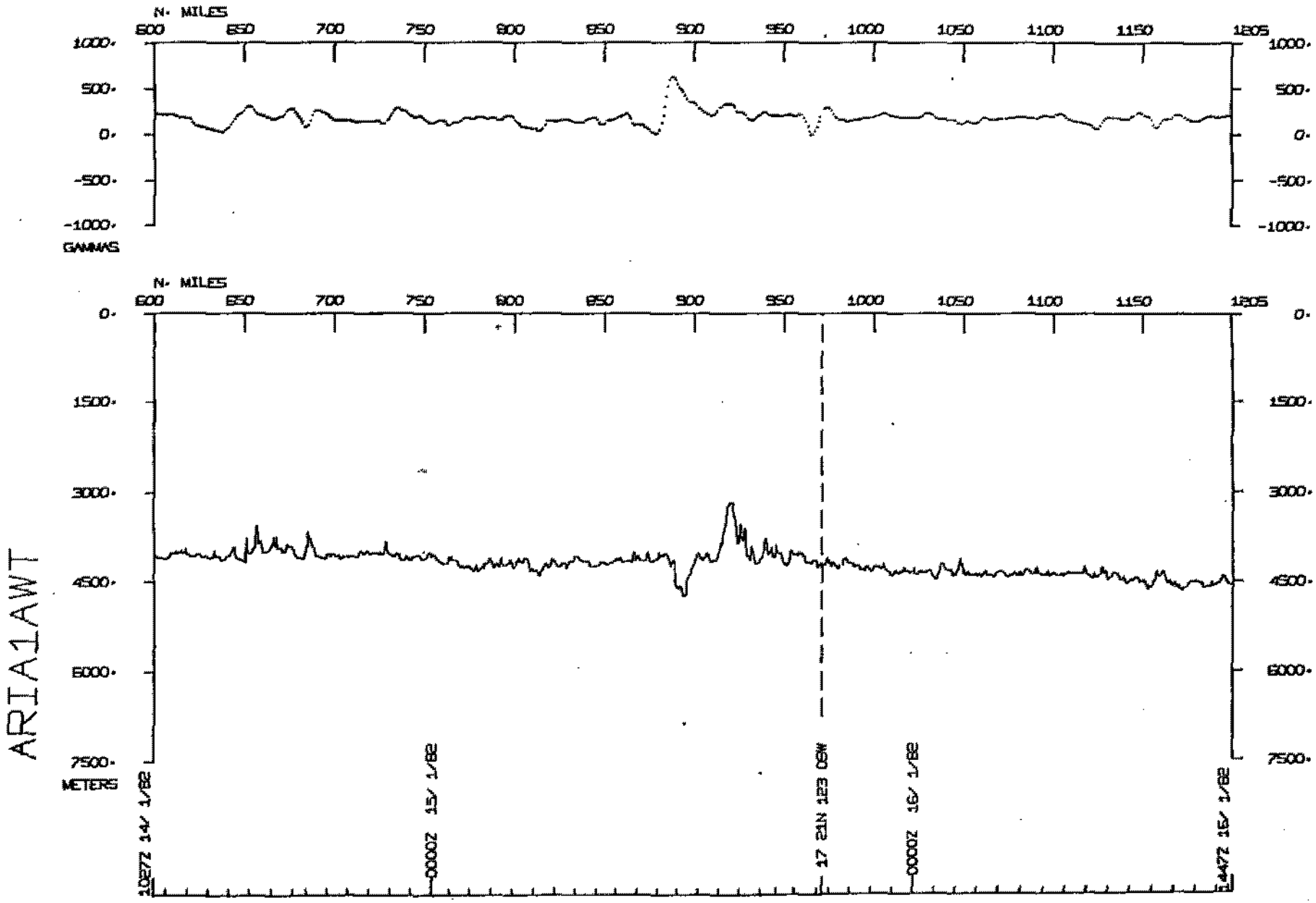
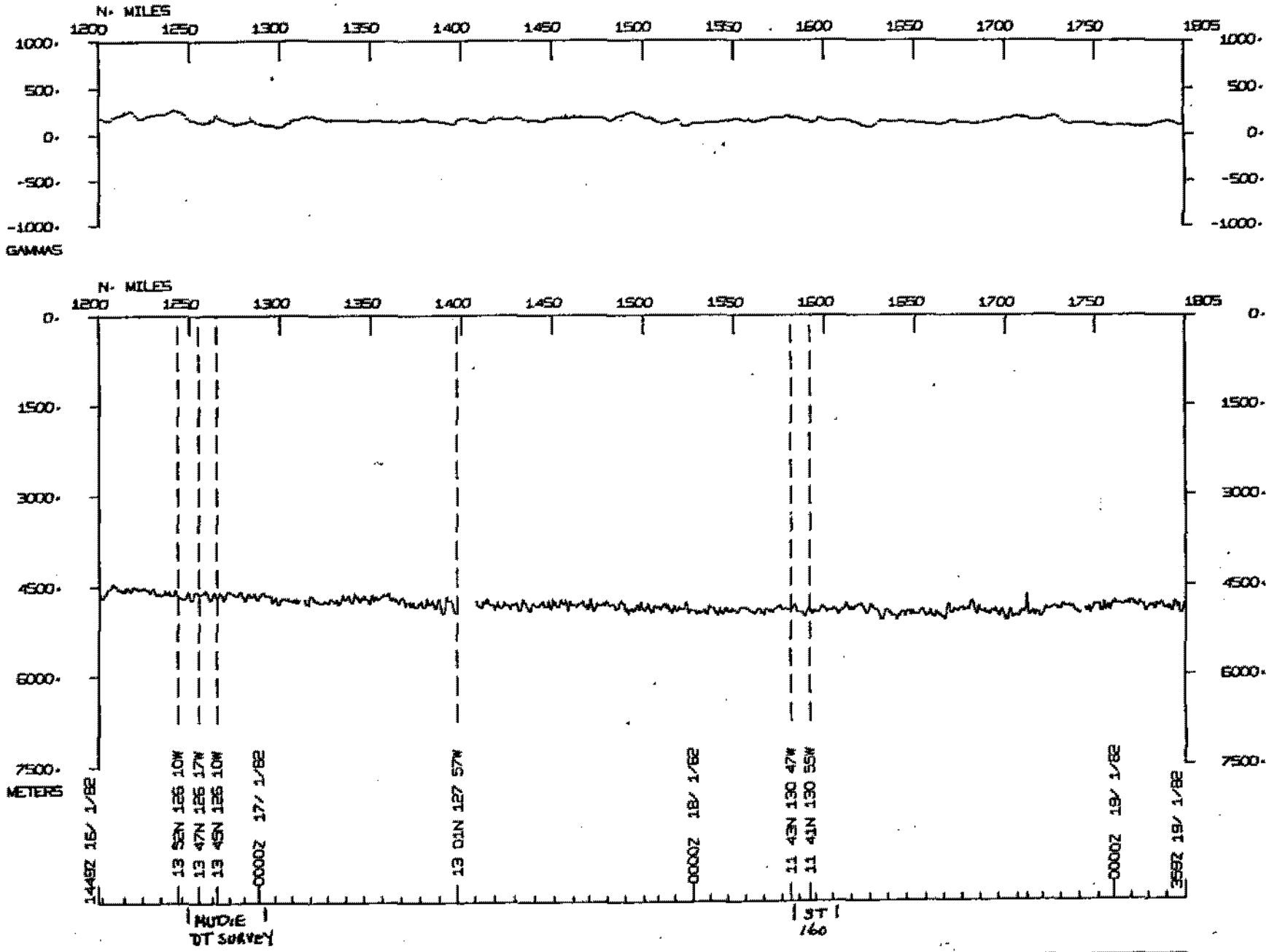
0 50 100 150 200 250 300 350 400 450 500 550 600 605
1000. 500. 0. -500. -1000.
GAMMAS
N. MILES
0 50 100 150 200 250 300 350 400 450 500 550 600 605
0. 1500. 3000. 4500. 6000. 7500.
METERS
ARIA1AWT
2482 12/ 1/82
0000Z 13/ 1/82
25 18N 118 32W
0000Z 14/ 1/82
0252Z 14/ 1/82
SEISMIC
SEABEAM


N. MILES
600
650
700
750
800
850
900
950
1000
1050
1100
1150
1205
1000.
500.
0.
-500.
-1000.
GAMMAS
N. MILES
600
650
700
750
800
850
900
950
1000
1050
1100
1150
1205
0.
1500.
3000.
4500.
6000.
7500.
METERS
10272 14/ 1/82
00002 15/ 1/82
17 21N 123 08W
00002 16/ 1/82
14472 16/ 1/82
ARIA1AWT

ARIA1AWT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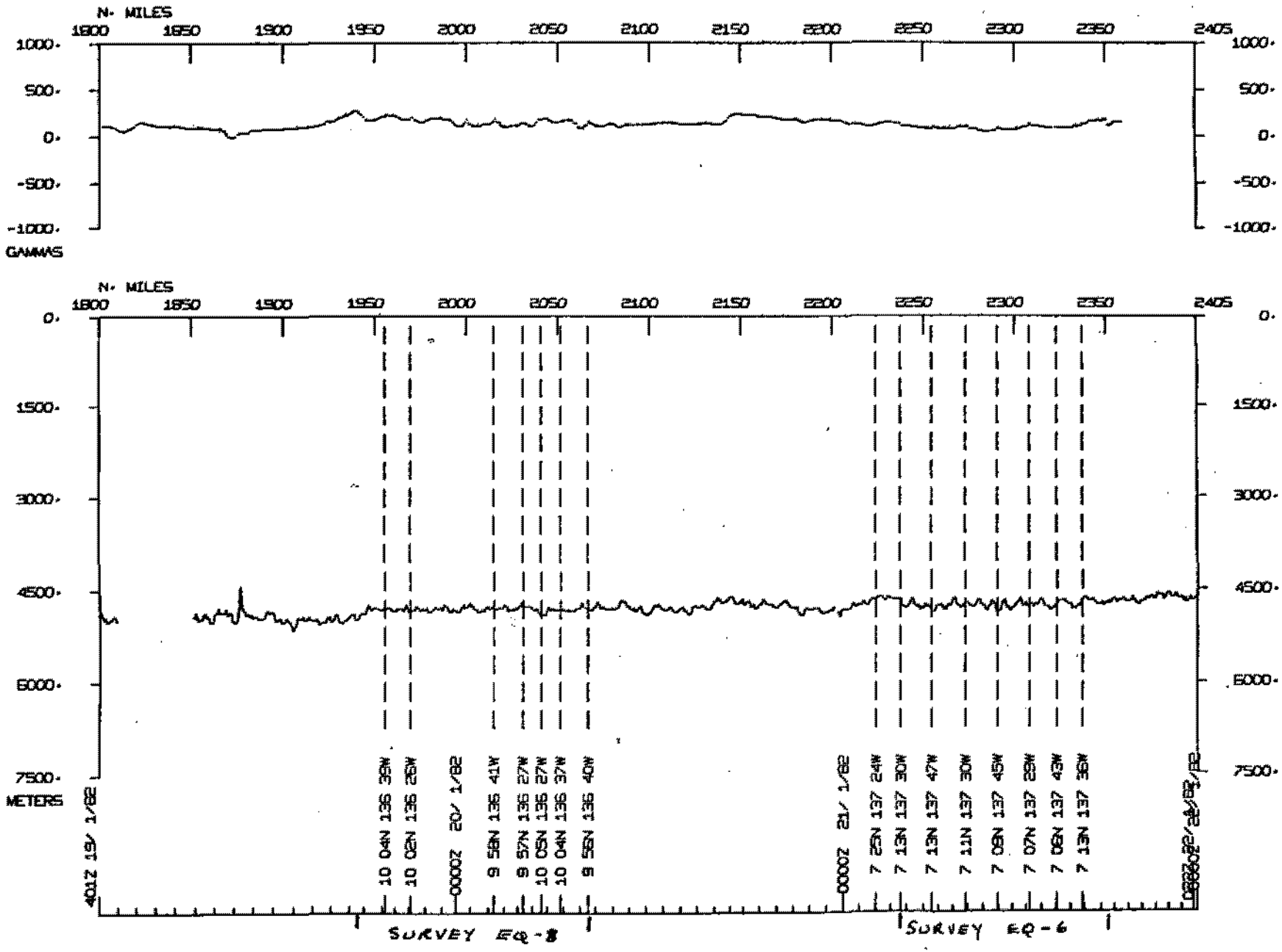
1000. 500. 0. -500. -1000.
GAMMAS
N. MILES
1200 1250 1300 1350 1400 1450 1500 1550 1600 1650 1700 1750 1805
0. 1500. 3000. 4500. 6000. 7500.
METERS
1448Z 16/ 1/82
13 52N 126 10W
13 47N 126 17W
13 45N 126 10W
0000Z 17/ 1/82
13 01N 127 57W
0000Z 18/ 1/82
11 43N 130 47W
11 41N 130 55W
0000Z 19/ 1/82
3592 19/ 1/82
MUDIE
DT SURVEY
ST
160

ARIA1AWT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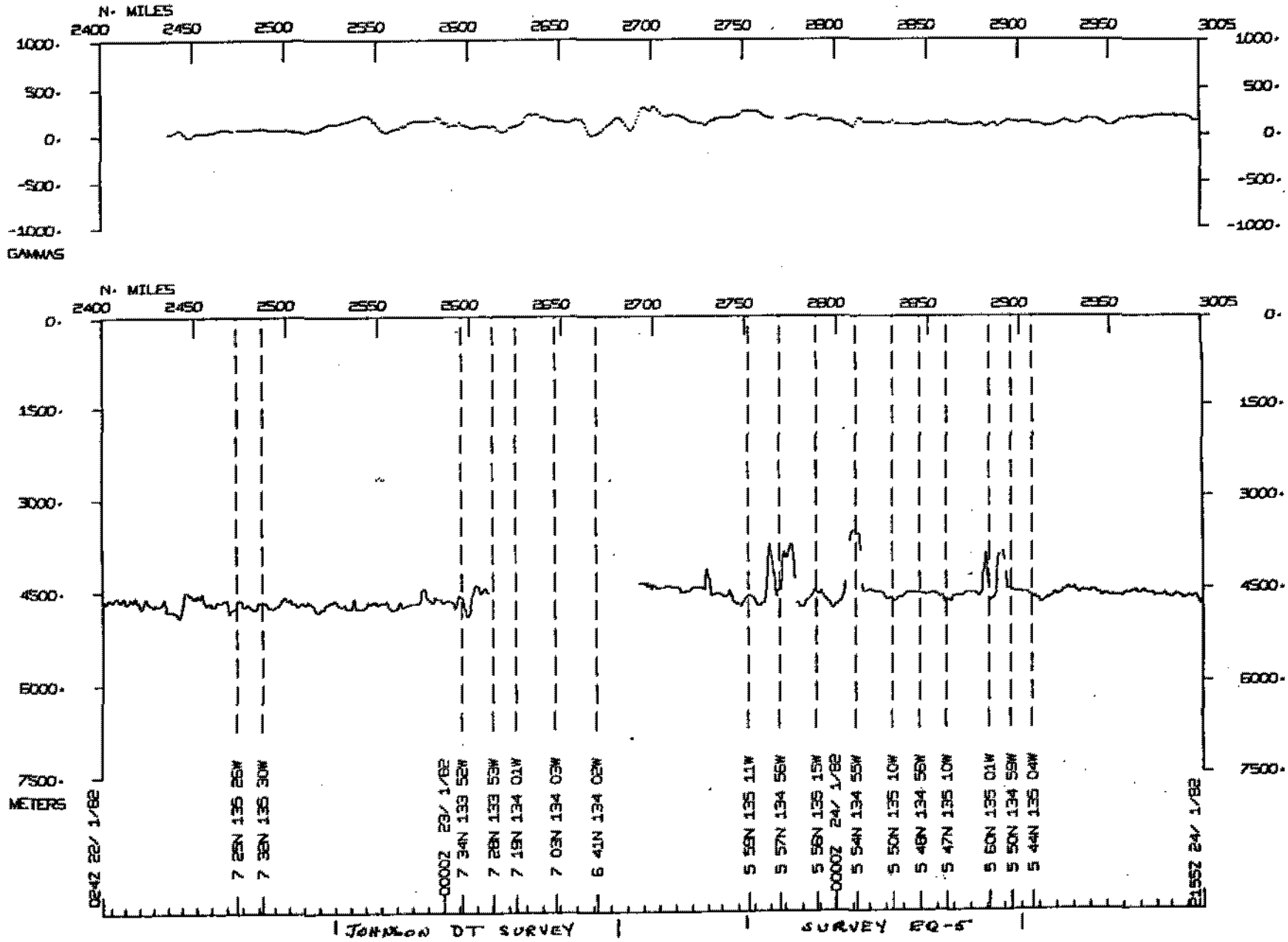
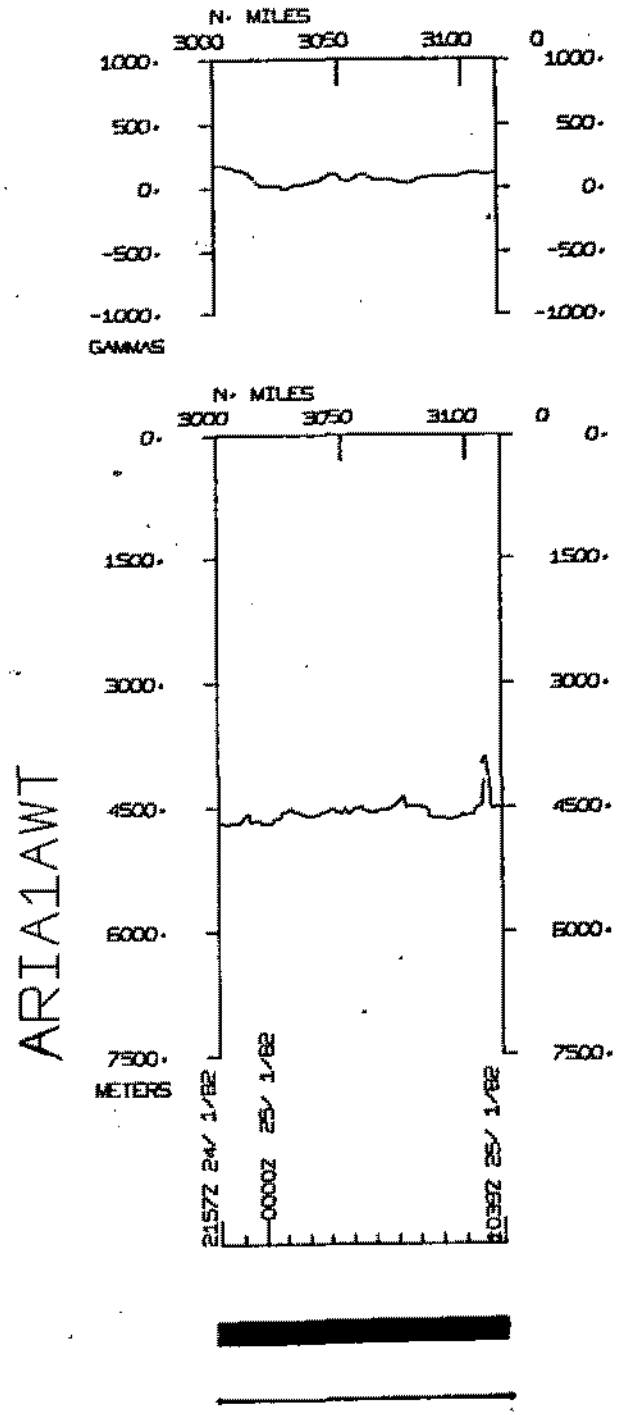
1000. 500. 0. -500. -1000.
GAMMAS
N. MILES
1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2405
0. 1500. 3000. 4500. 6000. 7500.
METERS
4012 19/ 1/82
10 04N 136 39W
10 02N 136 26W
00002 20/ 1/82
9 58N 136 41W
9 57N 136 27W
10 05N 136 27W
10 04N 136 37W
9 55N 136 40W
00002 21/ 1/82
7 25N 137 24W
7 13N 137 30W
7 13N 137 47W
7 11N 137 30W
7 06N 137 45W
7 07N 137 29W
7 06N 137 43W
7 13N 137 36W
SURVEY EQ-8
SURVEY EQ-6

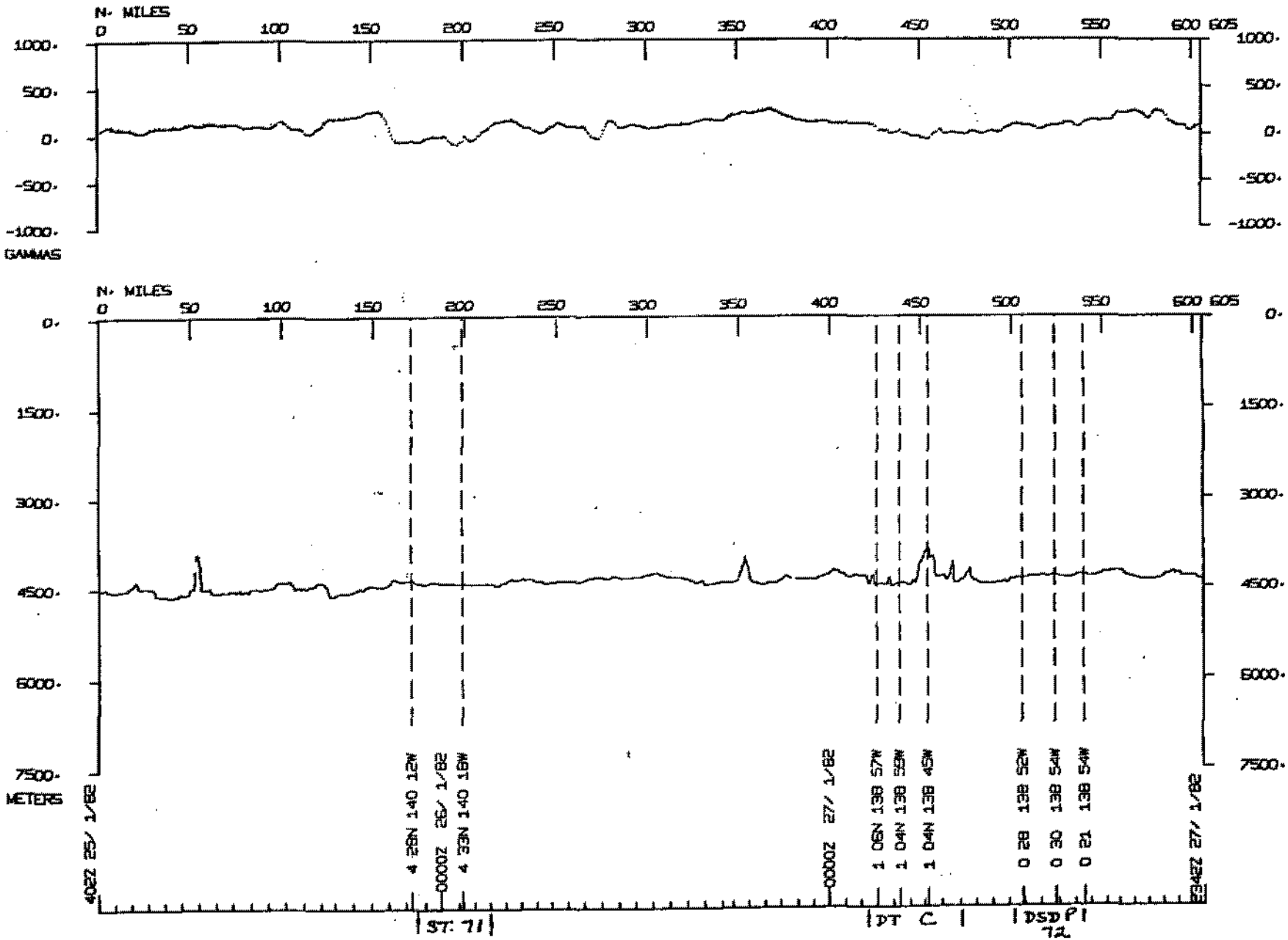
ARIA1AWT


N. MILES
2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 2950 3005
1000. 500. 0. -500. -1000.
GAMMAS
N. MILES
2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 2950 3005
0. 1500. 3000. 4500. 6000. 7500.
METERS
0242 22/ 1/82
7 25N 135 25W
7 32N 135 30W
00002 23/ 1/82
7 34N 133 52W
7 28N 133 53W
7 19N 134 01W
7 03N 134 03W
6 41N 134 02W
5 59N 135 11W
5 57N 134 56W
5 58N 135 15W
00002 24/ 1/82
5 54N 134 55W
5 50N 135 10W
5 48N 134 58W
5 47N 135 10W
5 60N 135 01W
5 50N 134 59W
5 44N 135 04W
1552 24/ 1/82
JOHNSON DT SURVEY
SURVEY EQ-5



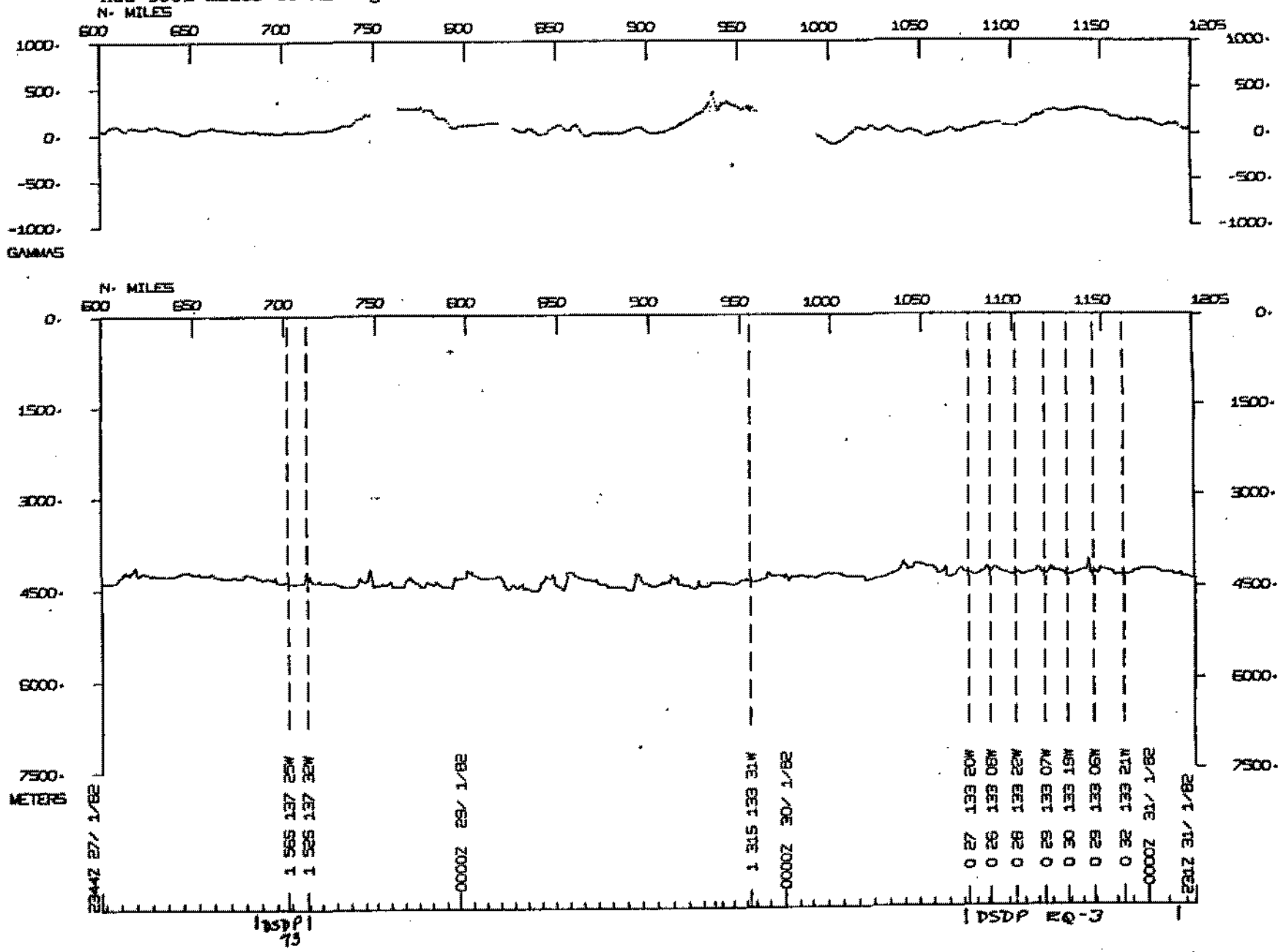
NOTE: Leg ARIA01WT split into 2 parts (1A and 1B) for processing purposes only. Data are referred to, and archived under, the ARIA01WT designation.

Add 3061 miles to mileage shown



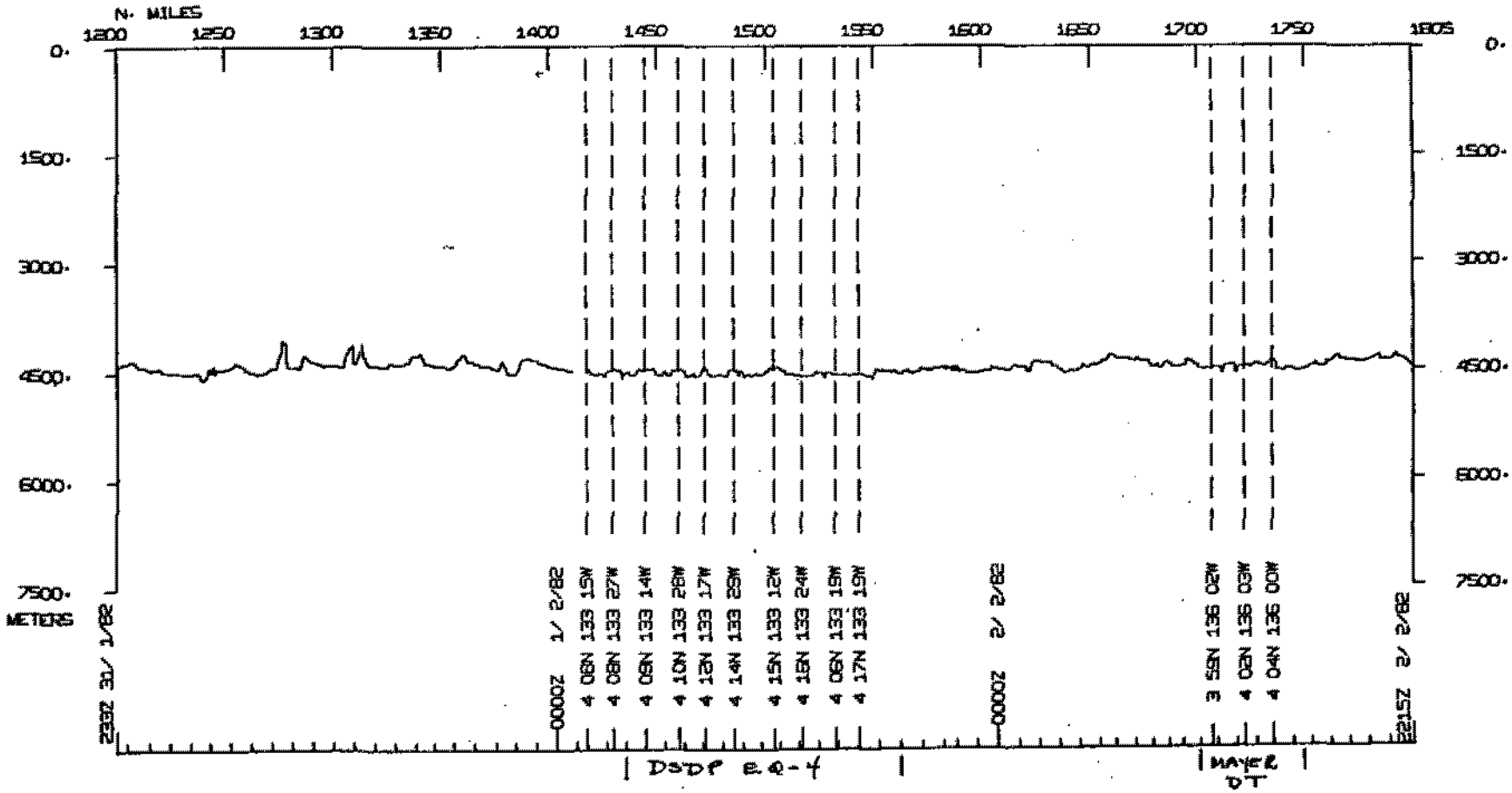
ARIA1BWT

Add 3061 miles to mileage shown



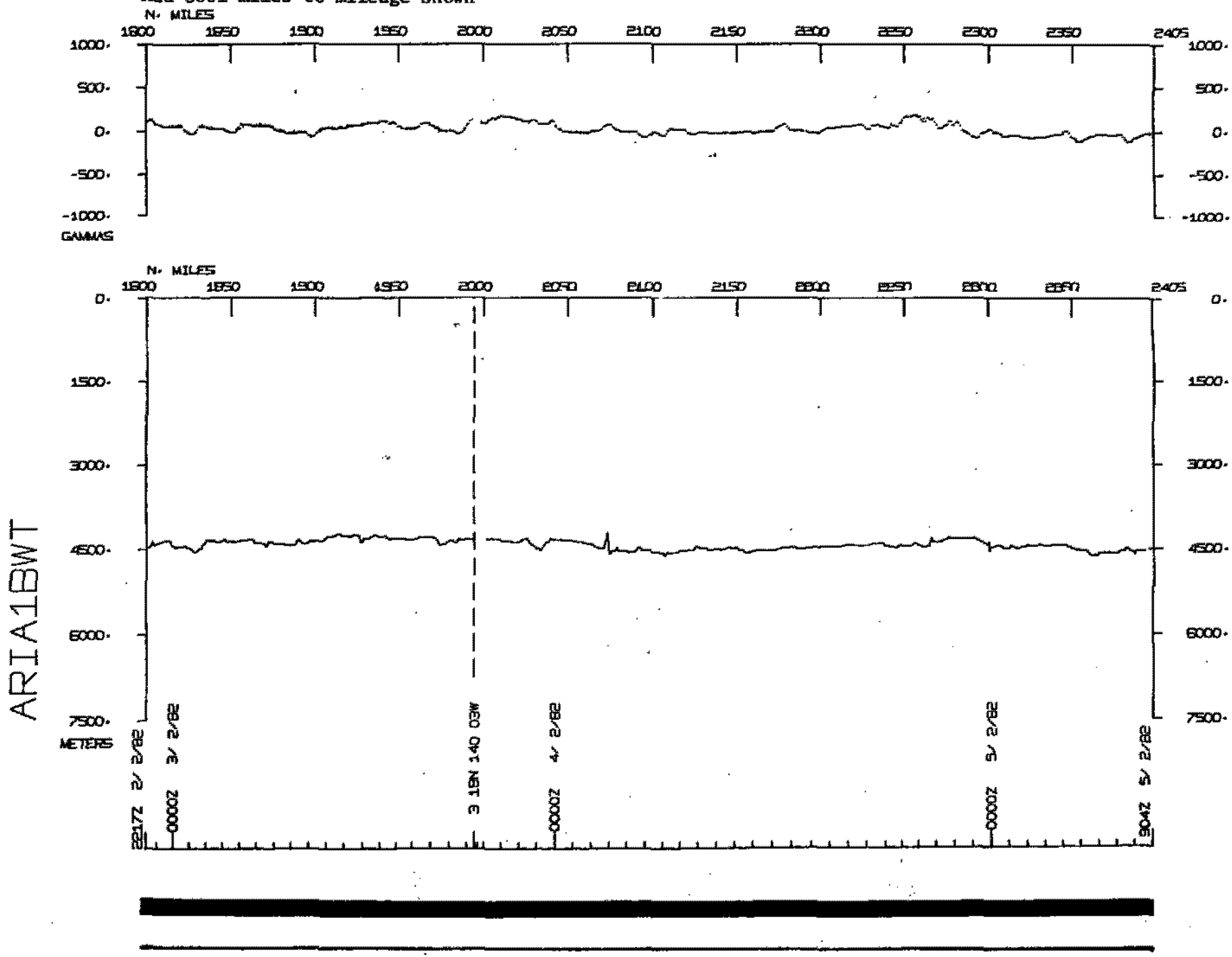
ARIA1BWT

Add 3061 miles to mileage shown



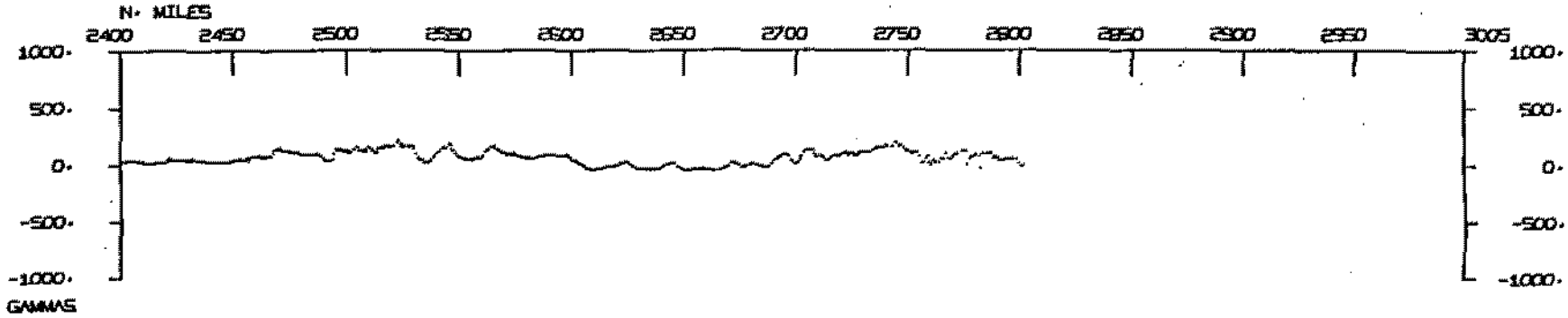
ARIA1BWT

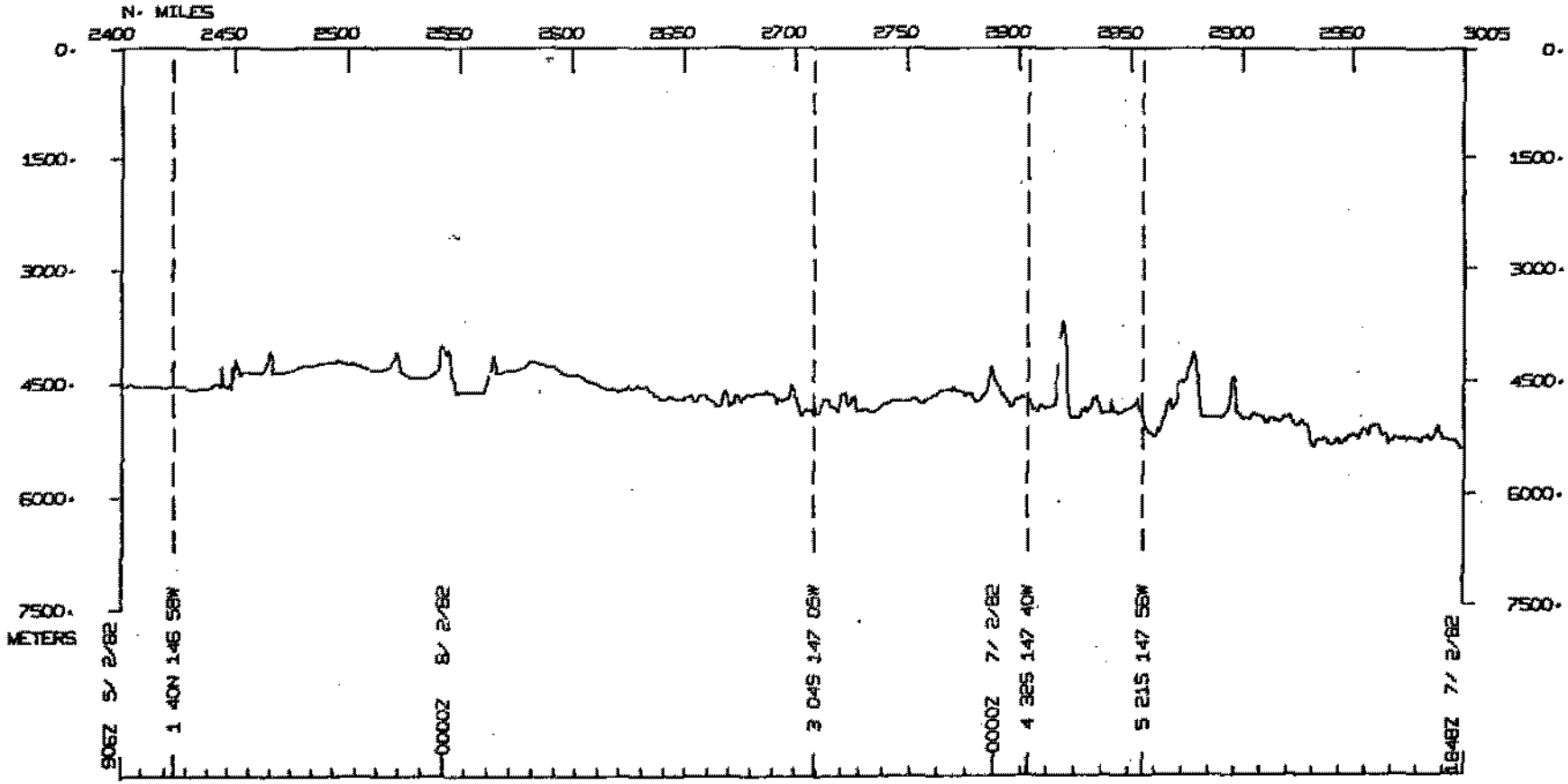
Add 3061 miles to mileage shown



ARIA1BWT

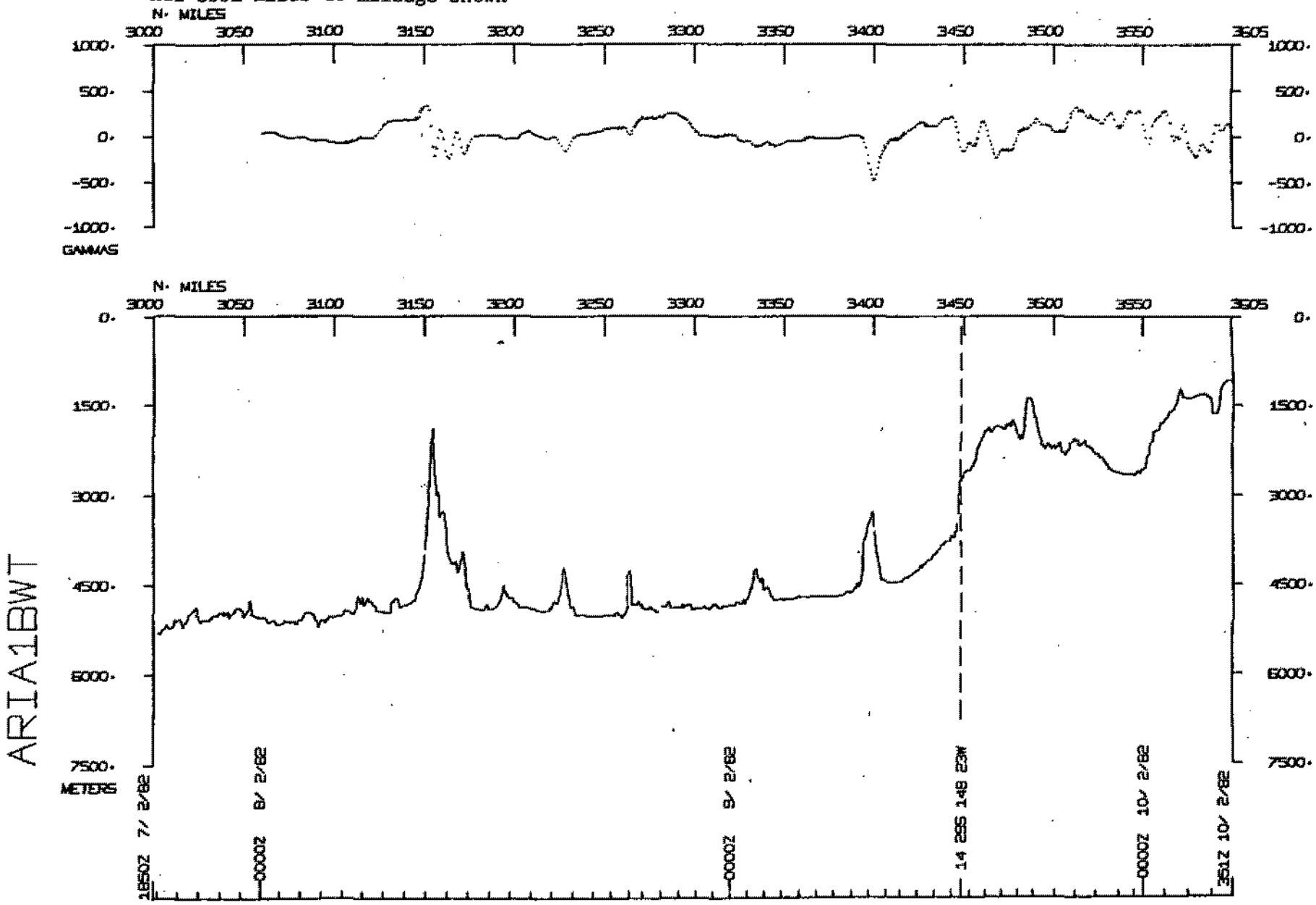
Add 3061 miles to mileage shown





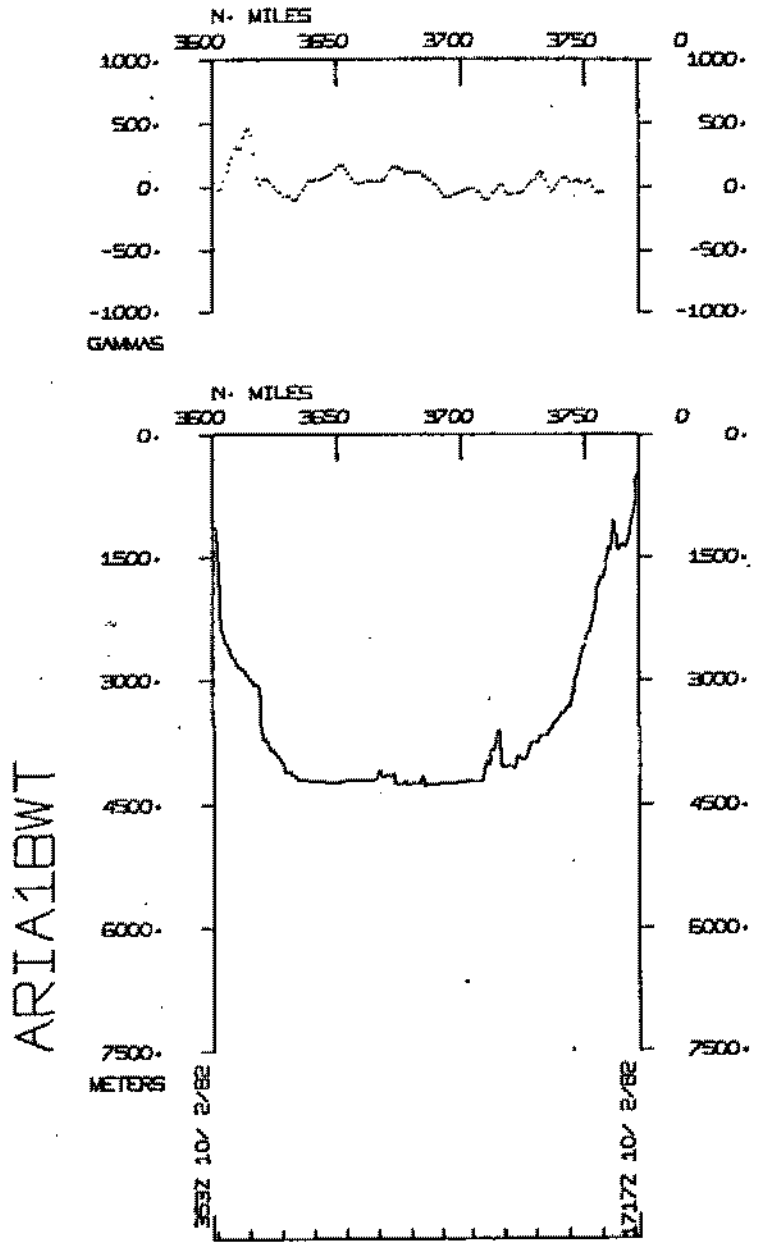
ARIA1BWT

Add 3061 miles to mileage shown



[redacted]

Add 3061 miles to mileage shown



S.I.O. Sample Index

(Issued June 1982)

ARIADNE EXPEDITION

Leg 1

San Diego, California (12 January 1982)
to
Papeete, Tahiti (10 February 1982)

R/V T. Washington

Chief Scientist - T. Shipley (SIO)

Resident Marine Technician - R. Wilson

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.)

S.I.O. SAMPLE INDEX GENERATED 21JUN82

*** ARIADNE LEG 01 SAMPLE INDEX (ARIA01WT) ***

12JAN82 - SAN DIEGO, CA.
TO
10FEB82 - PAPEETE, TAHITI

CHIEF SCIENTIST - SHIPLEY, T. GRD

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	TYPE								TOTAL
	BT	DP	LB	MB	MG	PE	SP	SR	
GDC	6	10	1	52	3	1	11	35	119
GRD			1			1			2
MTG						1			1
SCG						3			3
SGG						2			2
SIO						3			3
SIX						1			1
WHO						1			1
TOTAL	6	10	2	52	3	13	11	35	132

SAMPLE 'TYPE' CODES USED ABOVE

BT = BATHYTHERMOGRAM
DP = DEPTH
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

SAMPLE 'DISP' CODES USED ABOVE

GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
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 JOLLA, CAL. 92093
SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
WHO = WOODS HOLE OCEANOGRAPHIC INSTITUTION

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
					ARIADNE LEG 01 SAMPLE INDEX				ARIA01WT

*** PORTS ***

0530	12/ 1/82	LGPT B	SAN DIEGO, CA.	32 43. N	117 11. W	F ARIA01WT
1717	10/ 2/82	LGPT E	PAPEETE, TAHITI	17 32. S	149 34. W	F ARIA01WT

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 SHIPLEY, T.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
2 ABBOTT, L.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3 CHARTERS, J.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 CRAMPTON, P.	AIRGUN TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 DOWNS, P.	SEABEAM TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6 HUBENKA, F.	AIRGUN TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7 SMITH, S.	SEABEAM OP	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
8 WILSON, R.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
9 GOUD, M.	STUDENT	WOODS HOLE OCEANOGRAPHIC INSTITUTION
10 HILLS, S.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
11 KOSTADINOFF, J.	ARGINTINA	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
12 METZLER, C.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
13 PAULL, C.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093

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

UNDERWAY DATA CURATOR - STUART SMITH (EXT.2752)

*** LOG BOOKS ***

0530	12/ 1/82			LBUW B	UNDERWAY DATA LOG	GDC	32 16.2N	117 20.0W	S ARIA01WT
1717	10/ 2/82			LBUW E	UNDERWAY DATA LOG	GDC	17 31.4S	149 34.8W	S ARIA01WT
2101	13/ 1/82			LBSC B	SEISMIC SYS OPS LOG	GRD	24 46.9N	118 43.8W	S ARIA01WT
2234	9/ 2/82			LBSC E	SEISMIC SYS OPS LOG	GRD	14 51.9S	146 51.4W	S ARIA01WT

*** FATHOGRAMS ***

0712	12/ 1/82			DPR3 B	EPC 3.5KHZ R-01	GDC	32 16.2N	117 20.0W	S ARIA01WT
0800	13/ 1/82			DPR3 E	EPC 3.5KHZ R-01	GDC	27 14.1N	118 04.3W	S ARIA01WT
0810	13/ 1/82			DPR3 B	EPC 3.5KHZ R-02	GDC	27 11.9N	118 04.8W	S ARIA01WT
0800	15/ 1/82			DPR3 E	EPC 3.5KHZ R-02	GDC	19 01.6N	121 49.2W	S ARIA01WT
0807	15/ 1/82			DPR3 B	EPC 3.5KHZ R-03	GDC	19 00.5N	121 50.1W	S ARIA01WT
0801	17/ 1/82			DPR3 E	EPC 3.5KHZ R-03	GDC	13 12.7N	127 28.7W	S ARIA01WT
0808	17/ 1/82			DPR3 B	EPC 3.5KHZ R-04	GDC	13 12.2N	127 29.9W	S ARIA01WT
0503	20/ 1/82			DPR3 E	EPC 3.5KHZ R-04	GDC	10 03.0N	136 28.8W	S ARIA01WT
0509	20/ 1/82			DPR3 B	EPC 3.5KHZ R-05	GDC	10 03.8N	136 29.0W	S ARIA01WT
0157	23/ 1/82			DPR3 E	EPC 3.5KHZ R-05	GDC	07 34.6N	134 00.3W	S ARIA01WT
0216	23/ 1/82			DPR3 B	EPC 3.5KHZ R-06	GDC	07 32.9N	133 58.3W	S ARIA01WT
0729	26/ 1/82			DPR3 E	EPC 3.5KHZ R-06	GDC	03 44.2N	140 08.0W	S ARIA01WT
0735	26/ 1/82			DPR3 B	EPC 3.5KHZ R-07	GDC	03 43.3N	140 07.8W	S ARIA01WT
0617	30/ 1/82			DPR3 E	EPC 3.5KHZ R-07	GDC	00 20.8S	133 29.6W	S ARIA01WT
0623	30/ 1/82			DPR3 B	EPC 3.5KHZ R-08	GDC	00 19.9S	133 29.5W	S ARIA01WT
2100	2/ 2/82			DPR3 E	EPC 3.5KHZ R-08	GDC	03 54.9N	136 41.5W	S ARIA01WT
2111	2/ 2/82			DPR3 B	EPC 3.5KHZ R-09	GDC	03 54.9N	136 43.2W	S ARIA01WT
2120	5/ 2/82			DPR3 E	EPC 3.5KHZ R-09	GDC	00 06.8N	147 01.3W	S ARIA01WT
2125	5/ 2/82			DPR3 B	EPC 3.5KHZ R-10	GDC	00 06.0N	147 01.3W	S ARIA01WT
1855	8/ 2/82			DPR3 E	EPC 3.5KHZ R-10	GDC	11 44.4S	149 31.2W	S ARIA01WT

*** MAGNETOMETER ***

1944	13/ 1/82			MGRA B	MAGNETICS R-01	GDC	24 58.4N	118 37.9W	S ARIA01WT
2030	23/ 1/82			MGRA E	MAGNETICS R-01	GDC	05 57.7N	134 57.5W	S ARIA01WT
2107	23/ 1/82			MGRA B	MAGNETICS R-02	GDC	05 56.6N	134 59.0W	S ARIA01WT
0650	4/ 2/82			MGRA E	MAGNETICS R-02	GDC	02 41.3N	141 57.5W	S ARIA01WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0654	4/ 2/82			MGRA B	MAGNETICS R-03	GDC	02 41.1N	141 58.1W S	ARIA01WT
1609	10/ 2/82			MGRA E	MAGNETICS R-03	GDC	17 24.0S	149 25.5W S	ARIA01WT

*** SEISMIC REFLECTION PROFILES ***

2000	13/ 1/82			SPRF B	SEISMIC FAST R-01	GDC	24 56.0N	118 39.1W S	ARIA01WT
1607	18/ 1/82			SPRF E	SEISMIC FAST R-01	GDC	11 17.0N	132 17.8W S	ARIA01WT
1618	18/ 1/82			SPRF B	SEISMIC FAST R-02	GDC	11 16.5N	132 19.6W S	ARIA01WT
0052	25/ 1/82			SPRF E	SEISMIC FAST R-02	GDC	05 15.1N	137 00.5W S	ARIA01WT
0101	25/ 1/82			SPRF B	SEISMIC FAST R-03	GDC	05 15.0N	137 01.8W S	ARIA01WT
0418	1/ 2/82			SPRF E	SEISMIC FAST R-03	GDC	04 08.6N	133 27.3W S	ARIA01WT
0428	1/ 2/82			SPRF B	SEISMIC FAST R-04	GDC	04 09.5N	133 28.0W S	ARIA01WT
0947	08/ 2/82			SPRF E	SEISMIC FAST R-04	GDC	10 13.2S	149 57.5W S	ARIA01WT
0955	8/ 2/82			SPRF B	SEISMIC FAST R-05	GDC	10 15.7S	149 58.8W S	ARIA01WT
2234	9/ 2/82			SPRF E	SEISMIC FAST R-05	GDC	14 51.9S	146 51.4W S	ARIA01WT
2000	13/ 1/82			SPRS B	SEISMIC SLOW R-01	GDC	24 56.0N	118 39.1W S	ARIA01WT
0528	15/ 1/82			SPRS E	SEISMIC SLOW R-01	GDC	19 24.0N	121 29.5W S	ARIA01WT
0536	15/ 1/82			SPRS B	SEISMIC SLOW R-02	GDC	19 22.8N	121 30.6W S	ARIA01WT
1102	20/ 1/82			SPRS E	SEISMIC SLOW R-02	GDC	09 34.4N	136 46.4W S	ARIA01WT
1109	20/ 1/82			SPRS B	SEISMIC SLOW R-03	GDC	09 33.3N	136 46.6W S	ARIA01WT
1715	27/ 1/82			SPRS E	SEISMIC SLOW R-03	GDC	00 10.6N	138 47.8W S	ARIA01WT
1717	27/ 1/82			SPRS B	SEISMIC SLOW R-04	GDC	00 10.4N	138 47.7W S	ARIA01WT
1714	3/ 2/82			SPRS E	SEISMIC SLOW R-04	GDC	03 19.6N	140 01.6W S	ARIA01WT
1952	3/ 2/82			SPRS B	SEISMIC SLOW R-05	GDC	03 18.6N	140 07.1W S	ARIA01WT
2234	9/ 2/82			SPRS E	SEISMIC SLOW R-05	GDC	14 51.9S	146 51.4W S	ARIA01WT

SEISMIC REFLECTION SINGLE CHANNEL MAGNETIC TAPE

2000	13/ 1/82			SPST B	88 TAPES COLLECTED	GDC	24 56.0N	118 39.1W S	ARIA01WT
2234	9/ 2/82			SPST E	88 TAPES COLLECTED	GDC	14 51.9S	146 51.4W S	ARIA01WT

SEABEAM MONITOR RECORD - VERTICAL BEAM

0753	12/ 1/82			MBMR B	SB UGR MONITOR R-01	GDC	32 15.1N	117 20.1W S	ARIA01WT
1925	14/ 1/82			MBMR E	SB UGR MONITOR R-01	GDC	21 00.9N	120 25.6W S	ARIA01WT
1938	14/ 1/82			MBMR B	SB UGR MONITOR R-02	GDC	20 58.6N	120 26.7W S	ARIA01WT
0847	17/ 1/82			MBMR E	SB UGR MONITOR R-02	GDC	13 09.7N	127 36.3W S	ARIA01WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0903	17/ 1/82			MBMR B SB UGR MONITOR R-03		GDC	13 08.6N	127 39.0W	S ARIA01WT
1306	22/ 1/82			MBMR E SB UGR MONITOR R-03		GDC	07 33.4N	135 23.0W	S ARIA01WT
1314	22/ 1/82			MBMR B SB UGR MONITOR R-04		GDC	07 33.5N	135 21.8W	S ARIA01WT
0932	27/ 1/82			MBMR E SB UGR MONITOR R-04		GDC	00 47.5N	138 56.4W	S ARIA01WT
0942	27/ 1/82			MBMR B SB UGR MONITOR R-05		GDC	00 46.0N	138 56.7W	S ARIA01WT
2015	6/ 2/82			MBMR E SB UGR MONITOR R-05		GDC	03 35.9S	147 17.0W	S ARIA01WT
2050	6/ 2/82			MBMR B SB UGR MONITOR R-06		GDC	03 42.5S	147 19.4W	S ARIA01WT
1717	10/ 2/82			MBMR E SB UGR MONITOR R-06		GDC	17 31.4S	149 34.8W	S ARIA01WT
SEABEAM MAG TAPE - RAW LOGGED DATA									
0750	12/ 1/82			MBMT B SB RAW MAG TAPE	1	GDC	32 15.8N	117 20.1W	S ARIA01WT
0824	17/ 1/82			MBMT E SB RAW MAG TAPE	1	GDC	13 11.2N	127 32.4W	S ARIA01WT
0824	17/ 1/82			MBMT B SB RAW MAG TAPE	2	GDC	13 11.2N	127 32.4W	S ARIA01WT
0730	25/ 1/82			MBMT E SB RAW MAG TAPE	2	GDC	05 04.9N	137 58.8W	S ARIA01WT
0730	25/ 1/82			MBMT B SB RAW MAG TAPE	3	GDC	05 04.9N	137 58.8W	S ARIA01WT
2156	31/ 1/82			MBMT E SB RAW MAG TAPE	3	GDC	03 42.6N	133 15.3W	S ARIA01WT
2156	31/ 1/82			MBMT B SB RAW MAG TAPE	4	GDC	03 42.6N	133 15.3W	S ARIA01WT
0208	6/ 2/82			MBMT E SB RAW MAG TAPE	4	GDC	00 40.5S	146 59.7W	S ARIA01WT
0208	06/02/82			MBMT B SB RAW MAG TAPE	5	GDC	00 40.0N	146 59.7W	S ARIA01WT
1717	10/02/82			MBMT E SB RAW MAG TAPE	5	GDC	17 31.4S	149 34.8W	S ARIA01WT
SEABEAM SWATH BOOK - REALTIME CONTOUR SWATH									
0753	12/ 1/82			MBSB B SB SWATH BOOK 1		GDC	32 15.1N	117 20.1W	S ARIA01WT
1400	12/ 1/82			MBSB E SB SWATH BOOK 1		GDC	30 59.6N	117 25.4W	S ARIA01WT
1405	12/ 1/82			MBSB B SB SWATH BOOK 2		GDC	30 58.6N	117 25.5W	S ARIA01WT
0250	14/ 1/82			MBSB E SB SWATH BOOK 2		GDC	23 54.8N	119 06.0W	S ARIA01WT
0256	14/ 1/82			MBSB B SB SWATH BOOK 3		GDC	23 53.7N	119 06.5W	S ARIA01WT
2026	15/ 1/82			MBSB E SB SWATH BOOK 3		GDC	17 14.5N	123 14.9W	S ARIA01WT
2044	15/ 1/82			MBSB B SB SWATH BOOK 4		GDC	17 11.7N	123 17.2W	S ARIA01WT
1712	17/ 1/82			MBSB E SB SWATH BOOK 4		GDC	12 35.1N	128 59.4W	S ARIA01WT
1715	17/ 1/82			MBSB B SB SWATH BOOK 5		GDC	12 35.0N	128 59.7W	S ARIA01WT
1812	19/ 1/82			MBSB E SB SWATH BOOK 5		GDC	10 03.4N	136 29.4W	S ARIA01WT
1815	19/ 1/82			MBSB B SB SWATH BOOK 6		GDC	10 03.4N	136 29.9W	S ARIA01WT
2346	21/ 1/82			MBSB E SB SWATH BOOK 6		GDC	07 12.5N	136 42.5W	S ARIA01WT
2350	21/ 1/82			MBSB B SB SWATH BOOK 7		GDC	07 12.6N	136 42.1W	S ARIA01WT
1105	24/ 1/82			MBSB E SB SWATH BOOK 7		GDC	05 49.9N	135 05.1W	S ARIA01WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1106	24/ 1/82			MBSB B	SB SWATH BOOK 8	GDC	05 49.7N	135 05.1W	S ARIA01WT
1556	26/ 1/82			MBSB E	SB SWATH BOOK 8	GDC	02 30.3N	139 41.1W	S ARIA01WT
1558	26/ 1/82			MBSB B	SB SWATH BOOK 9	GDC	02 30.0N	139 41.0W	S ARIA01WT
1746	28/ 1/82			MBSB E	SB SWATH BOOK 9	GDC	01 51.7S	136 56.3W	S ARIA01WT
1754	28/ 1/82			MBSB B	SB SWATH BOOK 10	GDC	01 51.6S	136 55.4W	S ARIA01WT
0245	31/ 1/82			MBSB E	SB SWATH BOOK 10	GDC	00 43.1N	133 22.7W	S ARIA01WT
0256	31/ 1/82			MBSB B	SB SWATH BOOK 11	GDC	00 44.8N	133 23.4W	S ARIA01WT
0506	2/ 2/82			MBSB E	SB SWATH BOOK 11	GDC	04 06.0N	135 10.9W	S ARIA01WT
0508	2/ 2/82			MBSB B	SB SWATH BOOK 12	GDC	04 06.0N	135 11.2W	S ARIA01WT
1000	4/ 2/82			MBSB E	SB SWATH BOOK 12	GDC	02 35.7N	142 31.5W	S ARIA01WT
1004	4/ 2/82			MBSB B	SB SWATH BOOK 13	GDC	02 35.6N	142 32.2W	S ARIA01WT
0640	6/ 2/82			MBSB E	SB SWATH BOOK 13	GDC	01 25.1S	146 59.3W	S ARIA01WT
0641	6/ 2/82			MBSB B	SB SWATH BOOK 14	GDC	01 25.3S	146 59.3W	S ARIA01WT
0205	8/ 2/82			MBSB E	SB SWATH BOOK 14	GDC	08 50.1S	149 23.3W	S ARIA01WT
0207	8/ 2/82			MBSB B	SB SWATH BOOK 15	GDC	08 50.5S	149 23.4W	S ARIA01WT
1948	9/ 2/82			MBSB E	SB SWATH BOOK 15	GDC	14 41.9S	147 21.2W	S ARIA01WT
1952	9/ 2/82			MBSB B	SB SWATH BOOK 16	GDC	14 42.0S	147 20.4W	S ARIA01WT
1717	10/ 2/82			MBSB E	SB SWATH BOOK 16	GDC	17 31.4S	149 34.8W	S ARIA01WT

SEABEAM SOUND VELOCITY PROFILE

0753	12/ 1/82			MBVP B	SVP ARIA01WT-1	GDC	32 15.1N	117 20.1W	S ARIA01WT
2129	13/ 1/82			MBVP E	SVP ARIA01WT-1	GDC	24 42.7N	118 45.6W	S ARIA01WT
2129	13/ 1/82			MBVP B	SVP ARIA01WT-2	GDC	24 42.7N	118 45.6W	S ARIA01WT
2035	15/ 1/82			MBVP E	SVP ARIA01WT-2	GDC	17 13.1N	123 16.1W	S ARIA01WT
2035	15/ 1/82			MBVP B	SVP ARIA01WT-3	GDC	17 13.1N	123 16.1W	S ARIA01WT
1209	17/ 1/82			MBVP E	SVP ARIA01WT-3	GDC	12 56.6N	128 07.7W	S ARIA01WT
1209	17/ 1/82			MBVP B	SVP ARIA01WT-4	GDC	12 56.6N	128 07.7W	S ARIA01WT
2354	20/ 1/82			MBVP E	SVP ARIA01WT-4	GDC	07 43.5N	137 18.2W	S ARIA01WT
2354	20/ 1/82			MBVP B	SVP ARIA01WT-5	GDC	07 43.5N	137 18.2W	S ARIA01WT
2138	26/ 1/82			MBVP E	SVP ARIA01WT-5	GDC	01 48.4N	139 17.3W	S ARIA01WT
2155	26/ 1/82			MBVP B	SVP ARIA01WT-6	GDC	01 46.3N	139 15.9W	S ARIA01WT
0254	1/ 2/82			MBVP E	SVP ARIA01WT-6	GDC	04 09.3N	133 15.4W	S ARIA01WT
0254	1/ 2/82			MBVP B	SVP ARIA01WT-7	GDC	04 09.3N	133 15.4W	S ARIA01WT
2024	3/ 2/82			MBVP E	SVP ARIA01WT-7	GDC	03 16.8N	140 12.3W	S ARIA01WT
2024	3/ 2/82			MBVP B	SVP ARIA01WT-6	GDC	03 16.8N	140 12.3W	S ARIA01WT
0645	5/ 2/82			MBVP E	SVP ARIA01WT-6	GDC	01 51.8N	146 11.7W	S ARIA01WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0655	5/ 2/82			MBVP B	SVP ARIA01WT-7	GDC	01 51.6N	146 13.5W	S ARIA01WT
1931	5/ 2/82			MBVP E	SVP ARIA01WT-7	GDC	00 24.4N	147 01.8W	S ARIA01WT
1931	5/ 2/82			MBVP B	SVP ARIA01WT-6	GDC	00 24.4N	147 01.8W	S ARIA01WT
1904	7/ 2/82			MBVP E	SVP ARIA01WT-6	GDC	07 36.3S	148 52.7W	S ARIA01WT
1904	7/ 2/82			MBVP B	SVP ARIA01WT-8	GDC	07 36.3S	148 52.7W	S ARIA01WT
1943	8/ 2/82			MBVP E	SVP ARIA01WT-8	GDC	11 51.6S	149 27.8W	S ARIA01WT
2004	8/ 2/82			MBVP B	SVP ARIA01WT-9	GDC	11 54.8S	149 26.4W	S ARIA01WT
1717	10/ 2/82			MBVP E	SVP ARIA01WT-9	GDC	17 31.4S	149 34.8W	S ARIA01WT
SEABEAM SURVEY									
1914	16/01/82			MBSV B	SB SRVY MUDIE DP TOW	GDC	13-48.0N	126-20.0W	B ARIA01WT
0031	17/01/82			MBSV E	SB SRVY MUDIE DP TOW	GDC	13-42.0N	126-09.0W	B ARIA01WT
0545	18/01/82			MBSV B	SB SRVY SITE 160	GDC	11-45.0N	130-56.0W	B ARIA01WT
0810	18/01/82			MBSV E	SB SRVY SITE 160	GDC	11-39.0N	130-50.0W	B ARIA01WT
1730	19/01/82			MBSV B	SB SRVY EQ-8	GDC	10-07.0N	136-41.0W	B ARIA01WT
0835	20/01/82			MBSV E	SB SRVY EQ-8	GDC	09-55.0N	136-26.0W	B ARIA01WT
0324	21/01/82			MBSV B	SB SRVY EQ-6	GDC	07-15.0N	137-48.0W	B ARIA01WT
1720	21/01/82			MBSV E	SB SRVY EQ-6	GDC	07-05.0N	137-28.0W	B ARIA01WT
1700	22/01/82			MBSV B	SB JOHNSON DP TOW	GDC	07-45.0N	134-03.0W	B ARIA01WT
0930	23/01/82			MBSV E	SB JOHNSON DP TOW	GDC	07-25.0N	133-50.0W	B ARIA01WT
1700	23/01/82			MBSV B	SB SRVY EQ-5	GDC	06-00.0N	135-15.0W	B ARIA01WT
1100	24/01/82			MBSV E	SB SRVY EQ-5	GDC	05-45.0N	134-55.0W	B ARIA01WT
2230	25/01/82			MBSV B	SB SRVY SITE 71	GDC	04-33.0N	140-24.0W	B ARIA01WT
0300	26/01/82			MBSV E	SB SRVY SITE 71	GDC	04-23.0N	140-14.0W	B ARIA01WT
0236	27/01/82			MBSV B	SB SRVY DP TOW C	GDC	01-10.0N	139-00.0W	B ARIA01WT
0806	27/01/82			MBSV E	SB SRVY DP TOW C	GDC	01-00.0N	138-44.0W	B ARIA01WT
1130	27/01/82			MBSV B	SB SRVY DSDP SITE 72	GDC	00-32.0N	138-57.0W	B ARIA01WT
1537	27/01/82			MBSV E	SB SRVY DSDP SITE 72	GDC	00-22.0N	138-47.0W	B ARIA01WT
1030	28/01/82			MBSV B	SB SRVY DSDP SITE 73	GDC	01-48.0S	137-35.0W	B ARIA01WT
1400	28/01/82			MBSV E	SB SRVY DSDP SITE 73	GDC	01-58.0S	137-23.0W	B ARIA01WT
1200	30/01/82			MBSV B	SB SRVY DSDP EQ-3	GDC	00-34.0N	133-23.0W	B ARIA01WT
0145	31/01/82			MBSV E	SB SRVY DSDP EQ-3	GDC	00-24.0N	133-05.0W	B ARIA01WT
0300	01/02/82			MBSV B	SB SRVY DSDP EQ-4	GDC	04-19.0N	133-29.0W	B ARIA01WT
1800	01/02/82			MBSV E	SB SRVY DSDP EQ-4	GDC	04-08.0N	133-16.0W	B ARIA01WT
1100	02/02/82			MBSV B	SB SRVY MAYER DP TOW	GDC	04-05.0N	136-04.0W	B ARIA01WT
1642	02/02/82			MBSV E	SB SRVY MAYER DP TOW	GDC	03-56.0N	135-56.0W	B ARIA01WT

NOTE: Boundaries of Sea Beam surveys are indicated here by upper left (B) and lower right (E) corners of an enclosing rectangle. Note that subsequent to the generation of this report the convention has been changed to upper right (B) and lower left (E) to match the plot package convention.

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
SEISMIC RUN, SINGLE SONOBUOY									
0117	20/ 1/82			SRSS	SONOBUOY 01	GDC	09 58.6N	136 31.3W	S ARIA01WT
0437	20/ 1/82			SRSS	SONOBUOY 02	GDC	09 59.4N	136 27.6W	S ARIA01WT
0447	20/ 1/82			SRSS	SONOBUOY 03	GDC	10 00.8N	136 28.1W	S ARIA01WT
0652	20/ 1/82			SRSS	SONOBUOY 04	GDC	10 04.7N	136 37.2W	S ARIA01WT
1434	21/ 1/82			SRSS	SONOBUOY 05	GDC	07 10.5N	137 43.7W	S ARIA01WT
1456	21/ 1/82			SRSS	SONOBUOY 06	GDC	07 13.5N	137 43.7W	S ARIA01WT
1556	21/ 1/82			SRSS	SONOBUOY 07	GDC	07 12.8N	137 36.5W	S ARIA01WT
0741	24/ 1/82			SRSS	SONOBUOY 08	GDC	05 46.3N	135 02.5W	S ARIA01WT
0752	24/ 1/82			SRSS	SONOBUOY 09	GDC	05 48.0N	135 02.4W	S ARIA01WT
2246	25/ 1/82			SRSS	SONOBUOY 10	GDC	04 29.2N	140 17.8W	S ARIA01WT
0030	26/ 1/82			SRSS	SONOBUOY 11	GDC	04 26.0N	140 18.7W	S ARIA01WT
0127	26/ 1/82			SRSS	SONOBUOY 12	GDC	04 32.4N	140 20.1W	S ARIA01WT
0139	26/ 1/82			SRSS	SONOBUOY 13	GDC	04 30.8N	140 20.3W	S ARIA01WT
1158	27/ 1/82			SRSS	SONOBUOY 14	GDC	00 28.5N	138 51.8W	S ARIA01WT
1433	27/ 1/82			SRSS	SONOBUOY 15	GDC	00 30.1N	138 49.4W	S ARIA01WT
1117	28/ 1/82			SRSS	SONOBUOY 16	GDC	01 54.7S	137 28.9W	S ARIA01WT
0051	31/ 1/82			SRSS	SONOBUOY 17	GDC	00 25.7N	133 15.8W	S ARIA01WT
0129	31/ 1/82			SRSS	SONOBUOY 18	GDC	00 31.5N	133 17.9W	S ARIA01WT
0145	31/ 1/82			SRSS	SONOBUOY 19	GDC	00 33.9N	133 18.8W	S ARIA01WT
1557	1/ 2/82			SRSS	SONOBUOY 20	GDC	04 07.2N	133 19.6W	S ARIA01WT
1637	1/ 2/82			SRSS	SONOBUOY 21	GDC	04 13.6N	133 19.3W	S ARIA01WT
2002	3/ 2/82			SRSS	SONOBUOY 22	GDC	03 18.1N	140 08.7W	S ARIA01WT
2007	3/ 2/82			SRSS	SONOBUOY 23	GDC	03 17.8N	140 09.5W	S ARIA01WT
0133	4/ 2/82			SRSS	SONOBUOY 24	GDC	02 59.9N	141 04.7W	S ARIA01WT
0139	4/ 2/82			SRSS	SONOBUOY 25	GDC	02 59.6N	141 05.7W	S ARIA01WT
1603	4/ 2/82			SRSS	SONOBUOY 26	GDC	02 17.4N	143 36.8W	S ARIA01WT
1609	4/ 2/82			SRSS	SONOBUOY 27	GDC	02 17.3N	143 37.9W	S ARIA01WT
1835	4/ 2/82			SRSS	SONOBUOY 28	GDC	02 14.5N	144 03.8W	S ARIA01WT
2243	4/ 2/82			SRSS	SONOBUOY 29	GDC	02 09.8N	144 47.7W	S ARIA01WT
2243	4/ 2/82			SRSS	SONOBUOY 30	GDC	02 09.8N	144 47.7W	S ARIA01WT
1510	5/ 2/82			SRSS	SONOBUOY 31	GDC	01 05.6N	147 00.8W	S ARIA01WT
1517	5/ 2/82			SRSS	SONOBUOY 32	GDC	01 04.5N	147 00.9W	S ARIA01WT
1628	5/ 2/82			SRSS	SONOBUOY 33	GDC	00 53.4N	147 01.7W	S ARIA01WT
2100	5/ 2/82			SRSS	SONOBUOY 34	GDC	00 09.9N	147 01.4W	S ARIA01WT
2145	9/ 2/82			SRSS	SONOBUOY 35	GDC	14 47.6S	146 57.7W	S ARIA01WT
*** BATHYTHERMOGRAPH ***									
1700	13/ 1/82			BTXP	XBT 01	GDC	25 18.9N	118 31.5W	S ARIA01WT
1745	15/ 1/82			BTXP	XBT 02	GDC	17 35.5N	122 56.5W	S ARIA01WT
1900	16/ 1/82			BTXP	XBT 03	GDC	13 50.0N	126 10.3W	S ARIA01WT
1725	20/ 1/82			BTXP	XBT 04	GDC	08 39.0N	137 01.1W	S ARIA01WT
1735	20/ 1/82			BTXP	XBT 05	GDC	08 38.4N	137 01.8W	S ARIA01WT
1800	26/ 1/82			BTXP	XBT 06	GDC	02 16.1N	139 33.8W	S ARIA01WT
9900					END SAMPLE INDEX				ARIA01WT