INFORMAL REPORT AND INDEX OF

NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

(Issued June 1983)

PASCUA EXPEDITION

LEG 4

Easter Island (1 April 1983)
to
Callao, Peru (30 April 1983)

R/V T. Washington

Chief Scientist - R. Hey (SIO)

Resident Marine Tech - E. Pillard

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

Data Collection Funded by NSF
Grant Number NSF-OCE80-24472
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.

GDC Cruise I.D.# - 205

INFORMAL REPORT AND INDEX OF NAVIGATION, DEPTH, 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 of data merged in the MGD77 Exchange format on magnetic tape.
5. Microfilm or Xerox copies of:
   a. Echosounder records - 1.2 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.

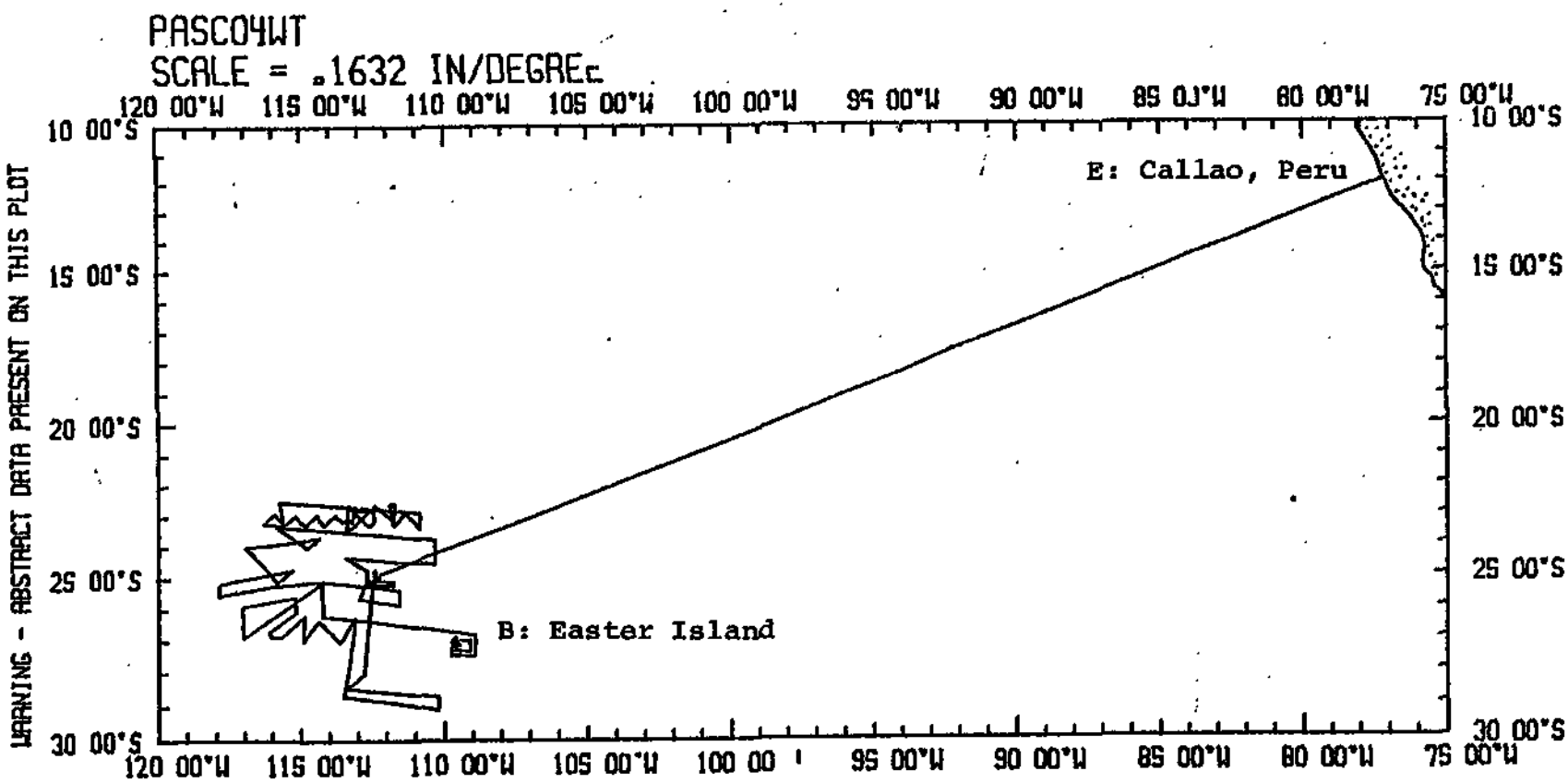
1) Archive copy of contour swath books generated in real time on board ship available for inspection at the data center.

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)

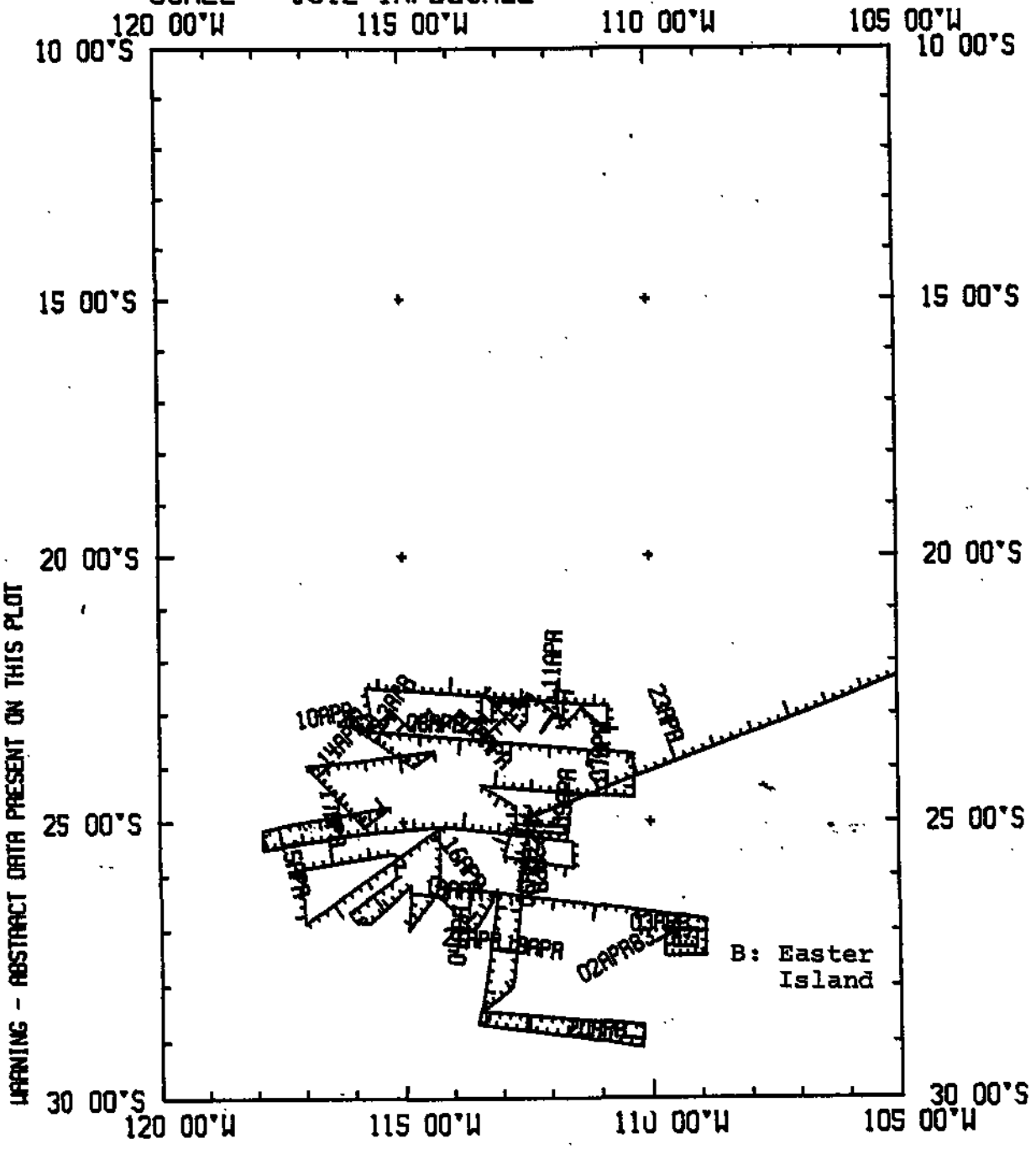


PASCUA EXPEDITION
LEG 4

Chief Scientist - R. Hey (SIO)
Ports: Easter Island - Callao, Peru
Dates: 1 - 30 April, 1983
Ship: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED
1) Cruise - 7231 miles
2) Bathymetry - 7076 miles
3) Magnetics - 7206 miles
4) Seismic Reflection - none collected
5) Gravity - 7023 miles
6) Seabeam - 7076 miles

PASC04WT (PLOT 1 OF 3)
SCALE = .312 IN/DEGREE



PASC04WT (PLOT 2 OF 3)
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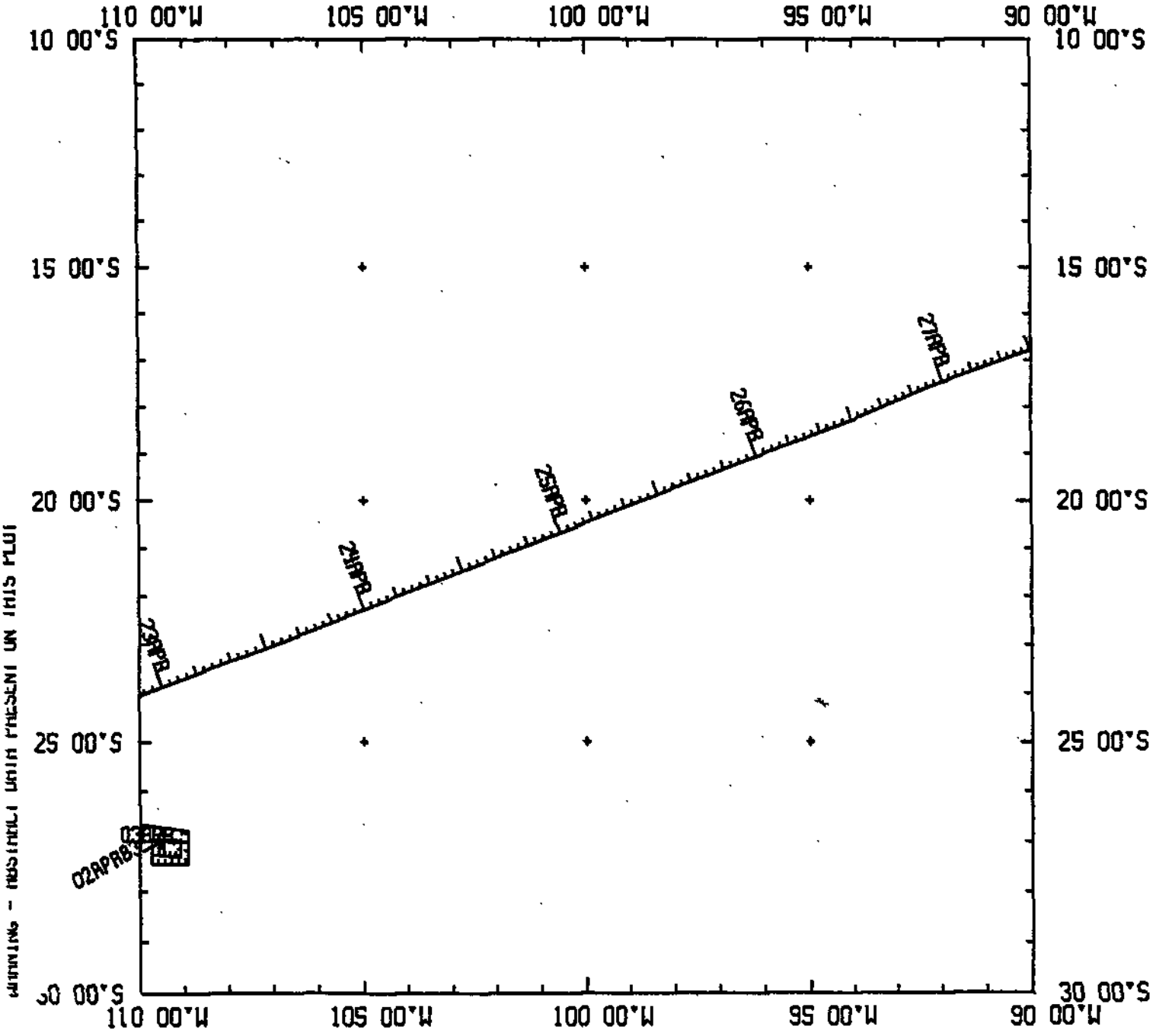

WARNING - RESTRICTED DATA PRESENT ON THIS PLOT

PASCO4WT (PLOT 3 OF 3)
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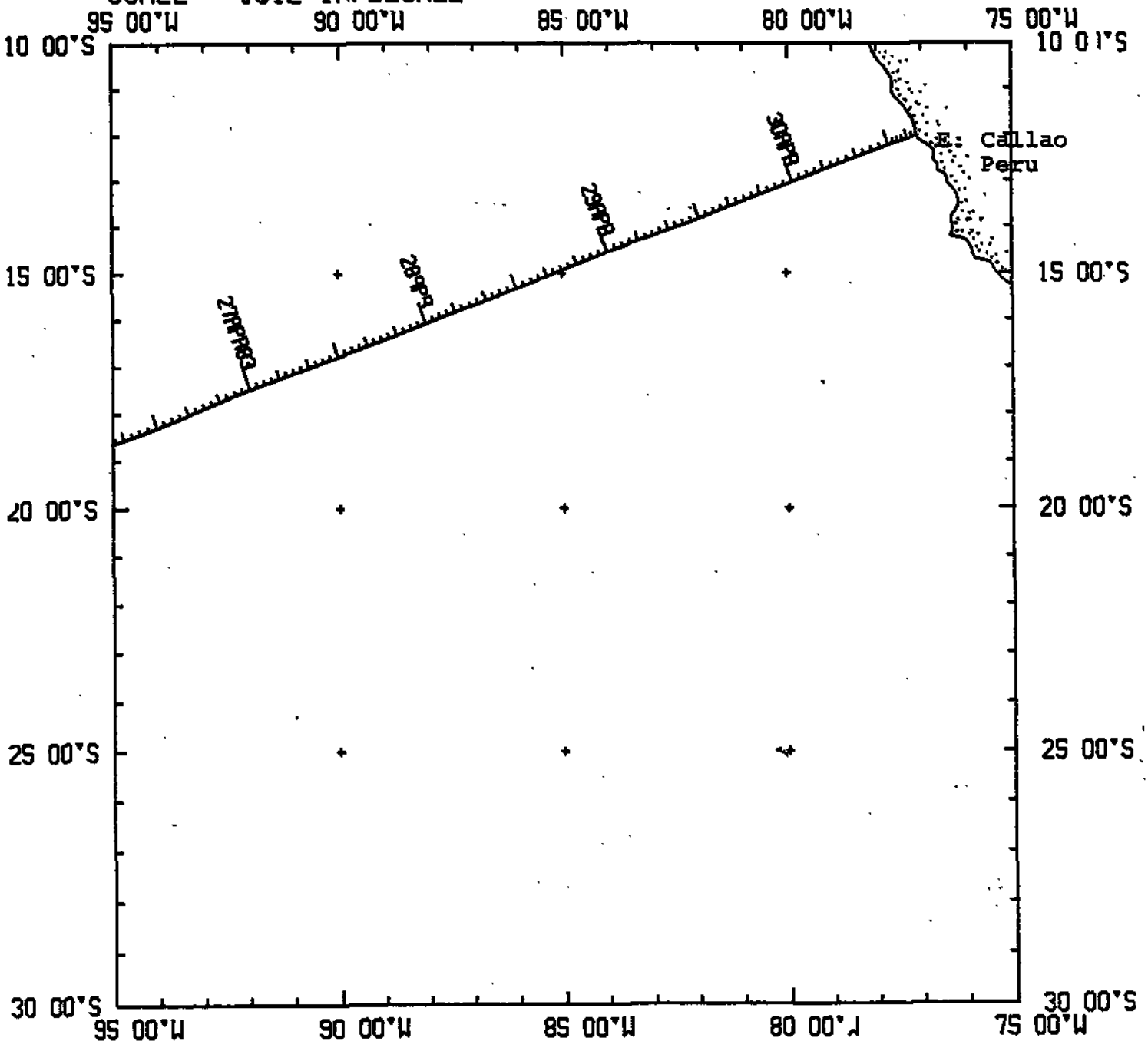
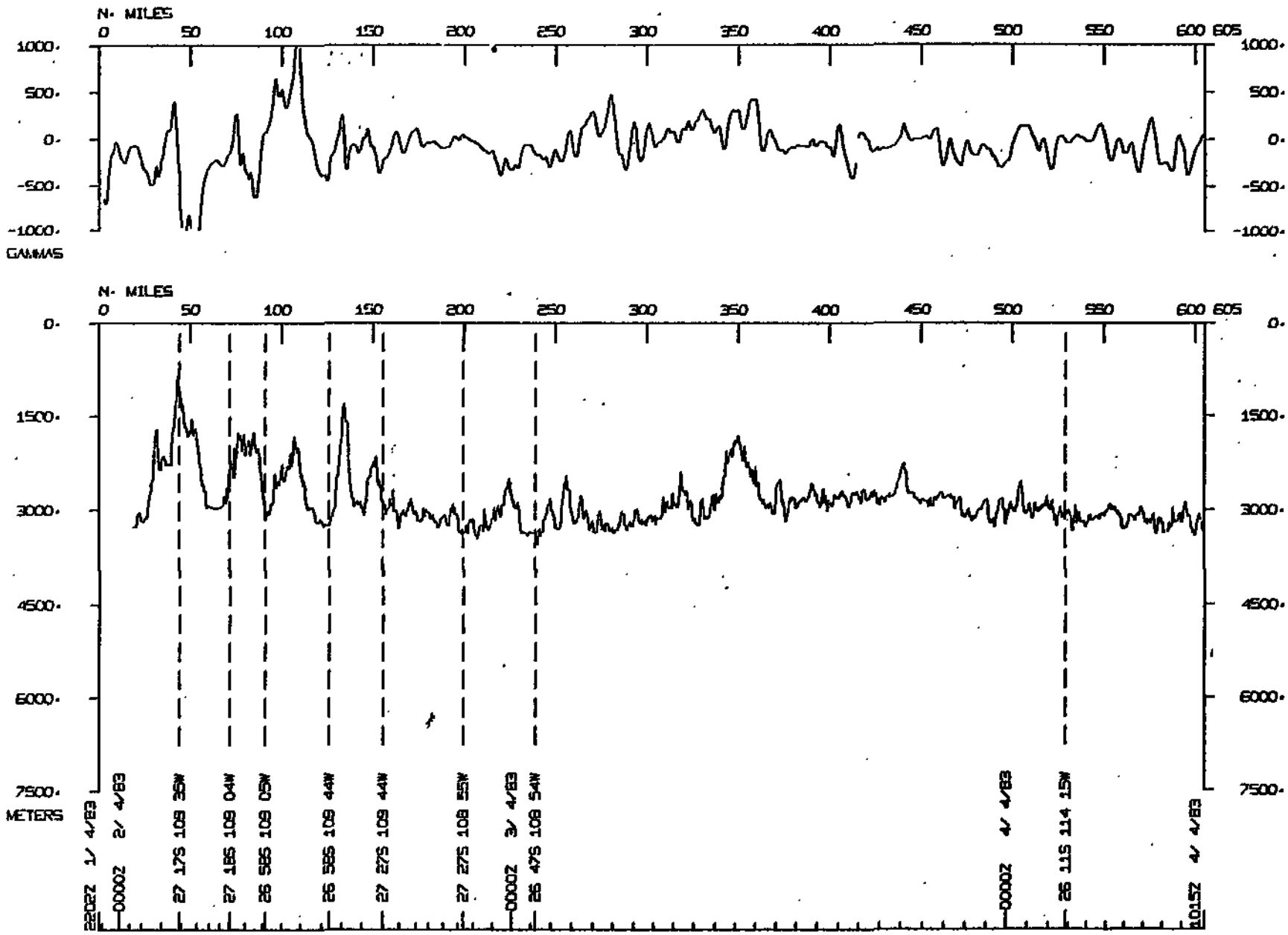


WARNING - ABSTRACT DATA PRESENT ON THIS PLOT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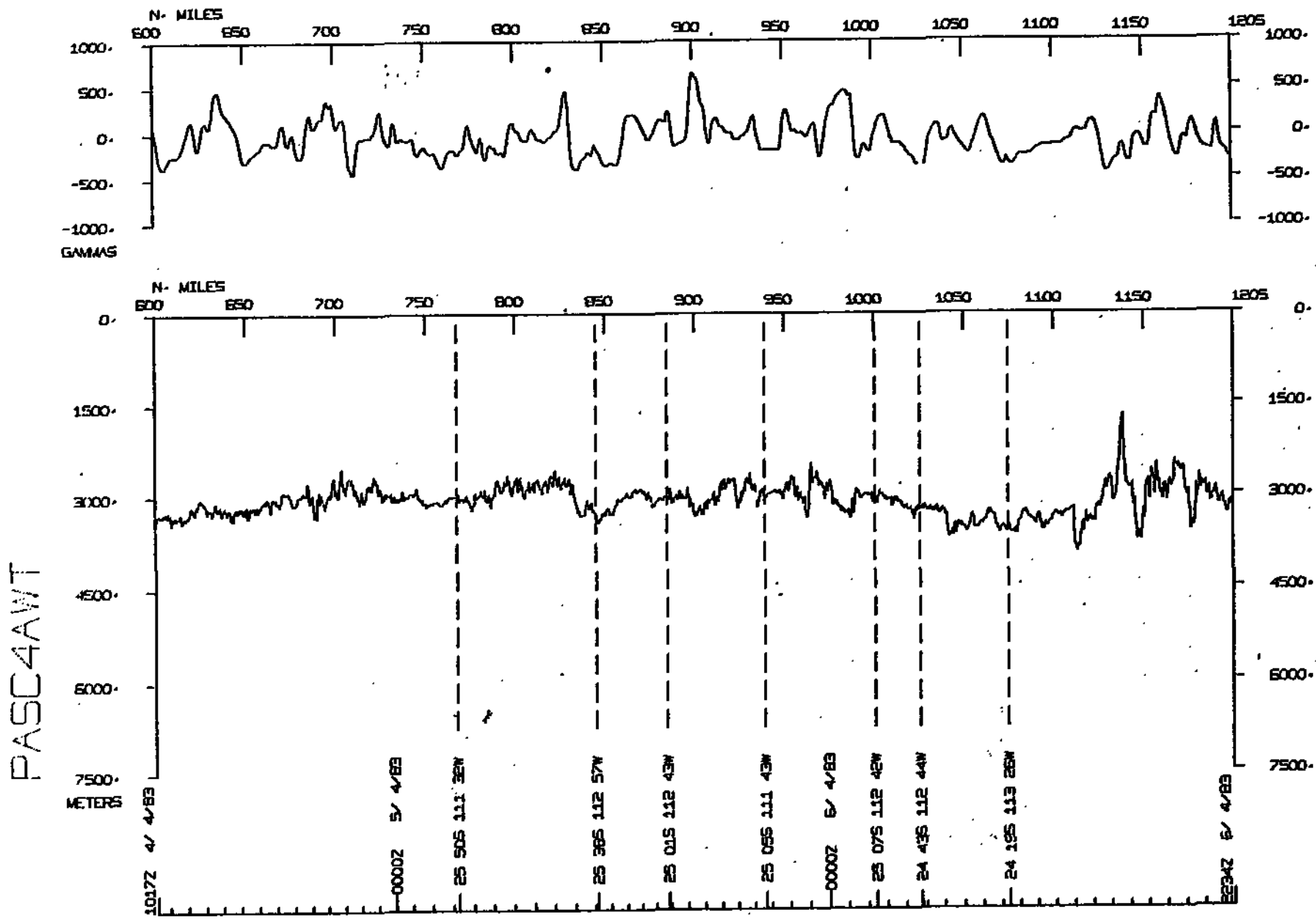
1000. 500. 0. -500. -1000.
GAMMAS
N- MILES
0 50 100 150 200 250 300 350 400 450 500 550 600 605
0. 1500. 3000. 4500. 6000. 7500.
METERS
22022 1/ 4/83
00002 2/ 4/83
27 17S 109 35W
27 18S 109 04W
26 58S 109 05W
26 58S 109 44W
27 27S 109 44W
27 27S 108 55W
00002 3/ 4/83
26 47S 108 54W
00002 4/ 4/83
26 11S 114 15W
10152 4/ 4/83

PASC4AWT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1000. 500. 0. -500. -1000.
GAMMAS
N- MILES
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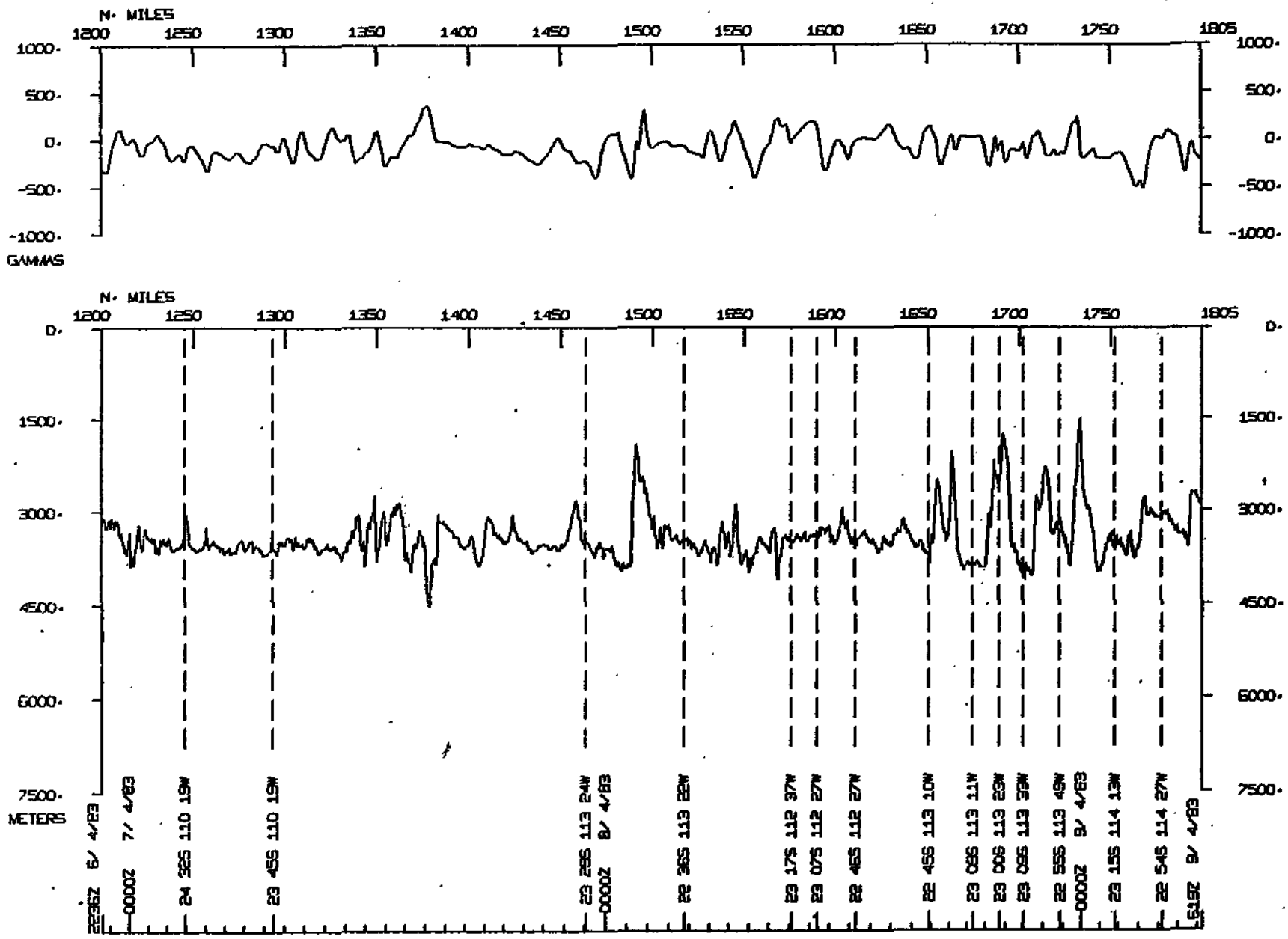
0. 1500. 3000. 4500. 6000. 7500.
METERS
10172 4/ 4/89
00002 5/ 4/89
25 505 111 32W
25 385 112 57W
25 015 112 43W
25 055 111 43W
00002 6/ 4/89
25 075 112 42W
24 435 112 44W
24 195 113 28W
22342 6/ 4/89

PASC4AWT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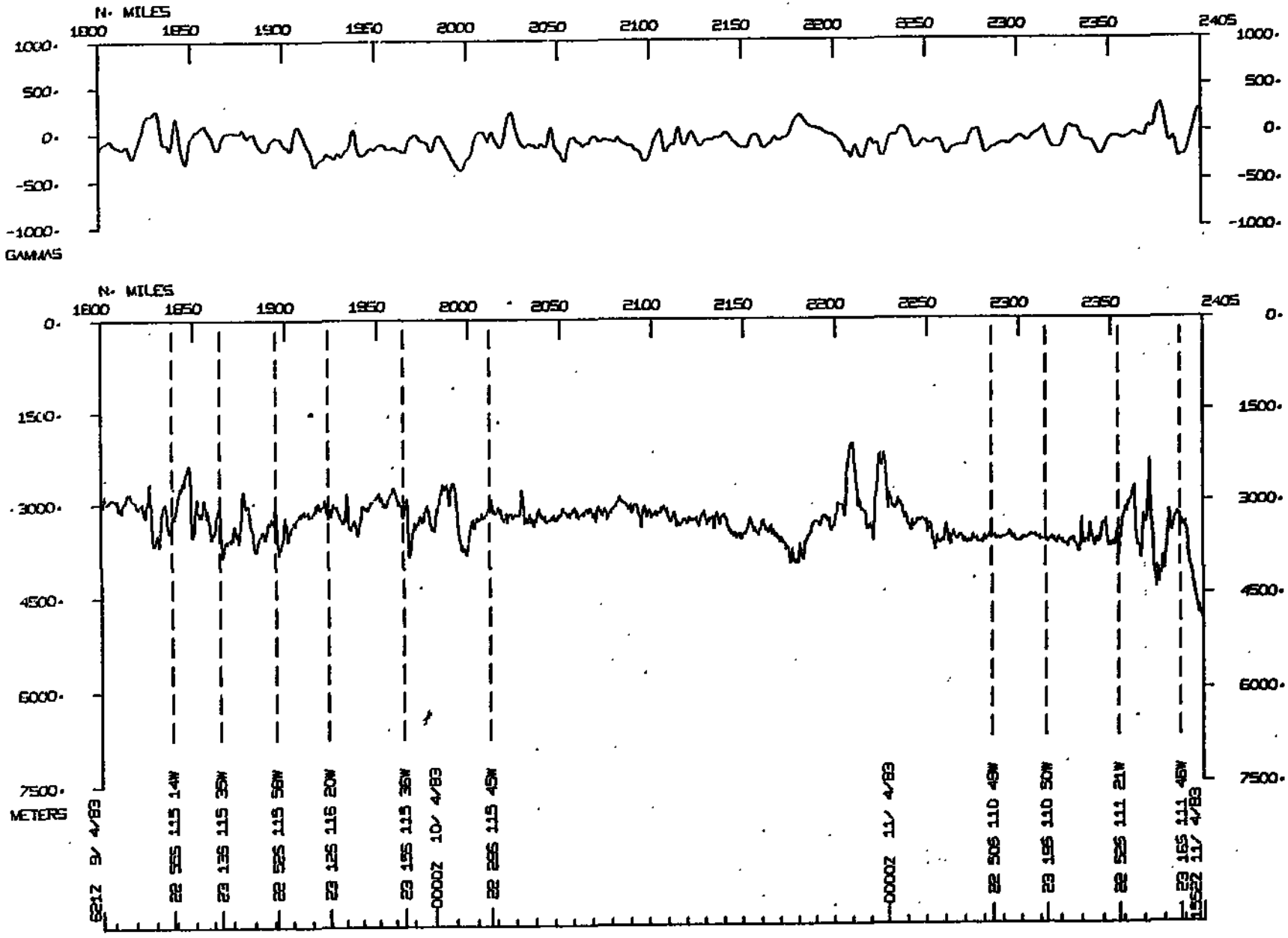
1000. 500. 0. -500. -1000.
GAMMAS
N. MILES
1200 1250 1300 1350 1400 1450 1500 1550 1600 1650 1700 1750 1805
0. 1500. 3000. 4500. 6000. 7500.
METERS
22962 6/ 4/83
00002 7/ 4/83
24 325 110 19W
23 456 110 19W
23 236 113 24W
00002 8/ 4/83
22 365 113 22W
23 175 112 37W
23 075 112 27W
22 465 112 27W
22 456 113 10W
23 086 113 11W
23 006 113 23W
23 086 113 33W
22 555 113 49W
00002 9/ 4/83
23 135 114 13W
22 545 114 27W
61952 9/ 4/83

PASC4AWT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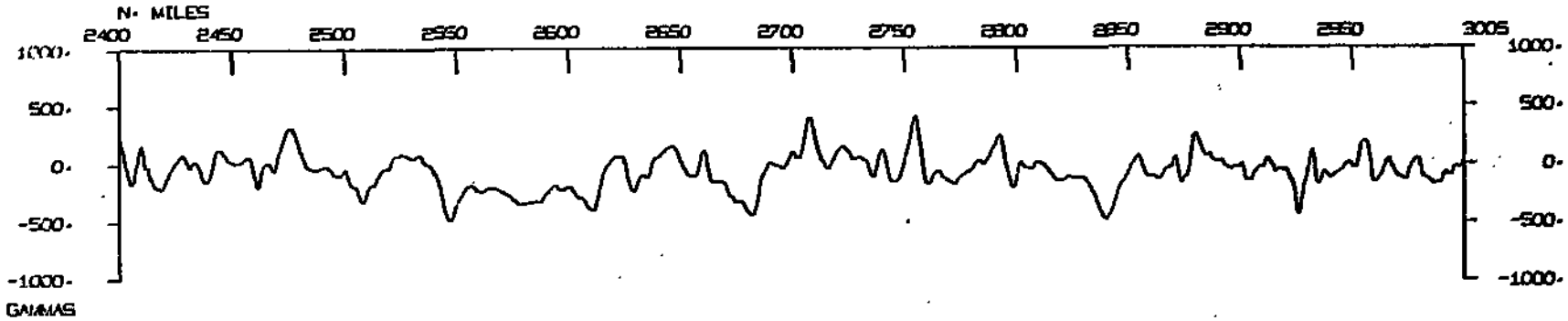
1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
2405
1000.
500.
0.
-500.
-1000.
GAMMAS
N. MILES
0.
1500.
3000.
4500.
6000.
7500.
METERS
6212 9/ 4/83
22 525 115 14W
23 135 115 35W
22 525 115 58W
23 125 116 20W
23 195 115 36W
00002 10/ 4/83
22 285 115 45W
00002 11/ 4/83
22 505 110 49W
23 195 110 50W
22 525 111 21W
23 165 111 46W
1522 11/ 4/83

PASC4AWT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2550
2600
2650
2700
2750
2800
2850
2900
2950
3005
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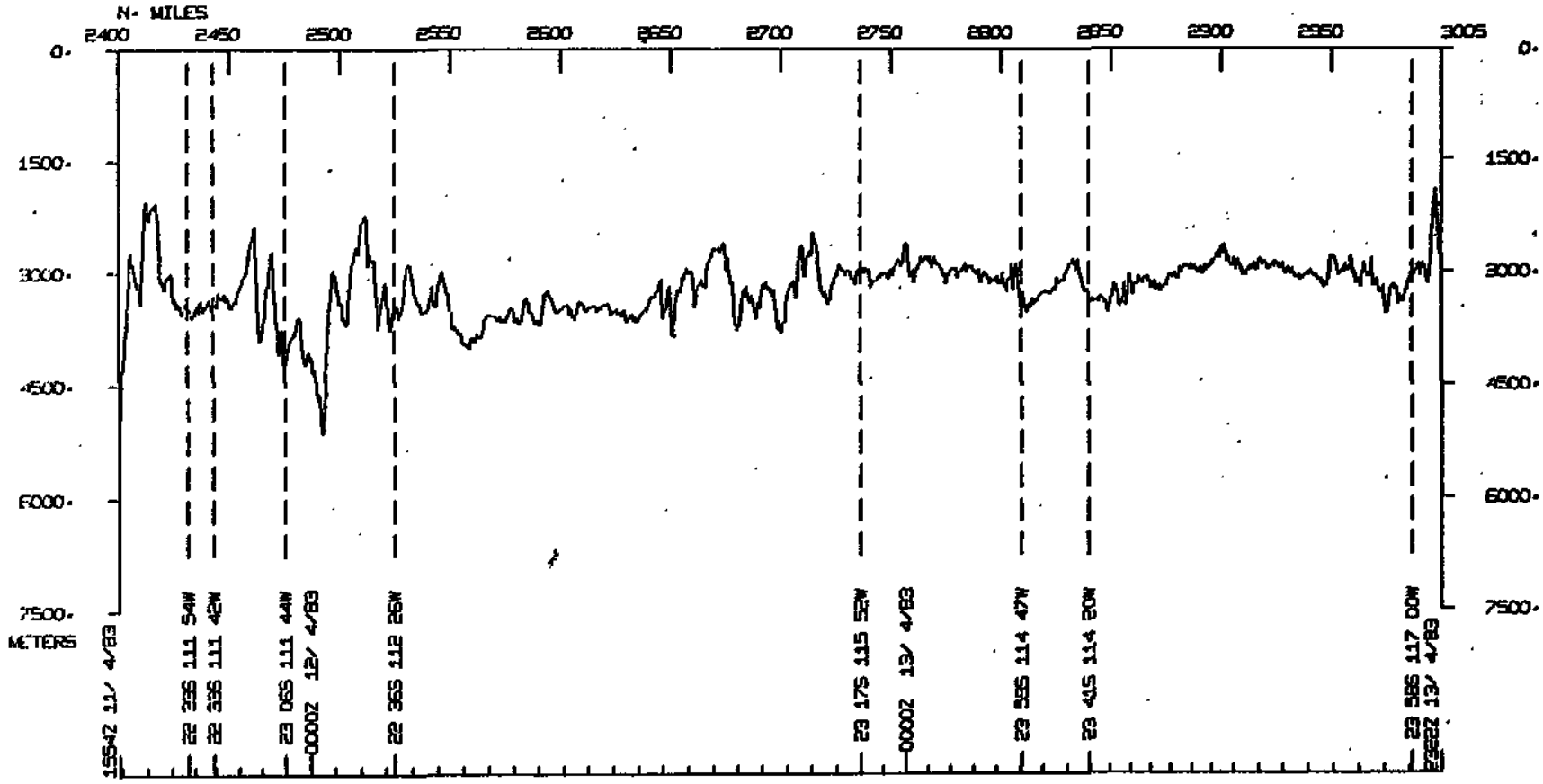
500.
0.
-500.
-1000.
GAMMAS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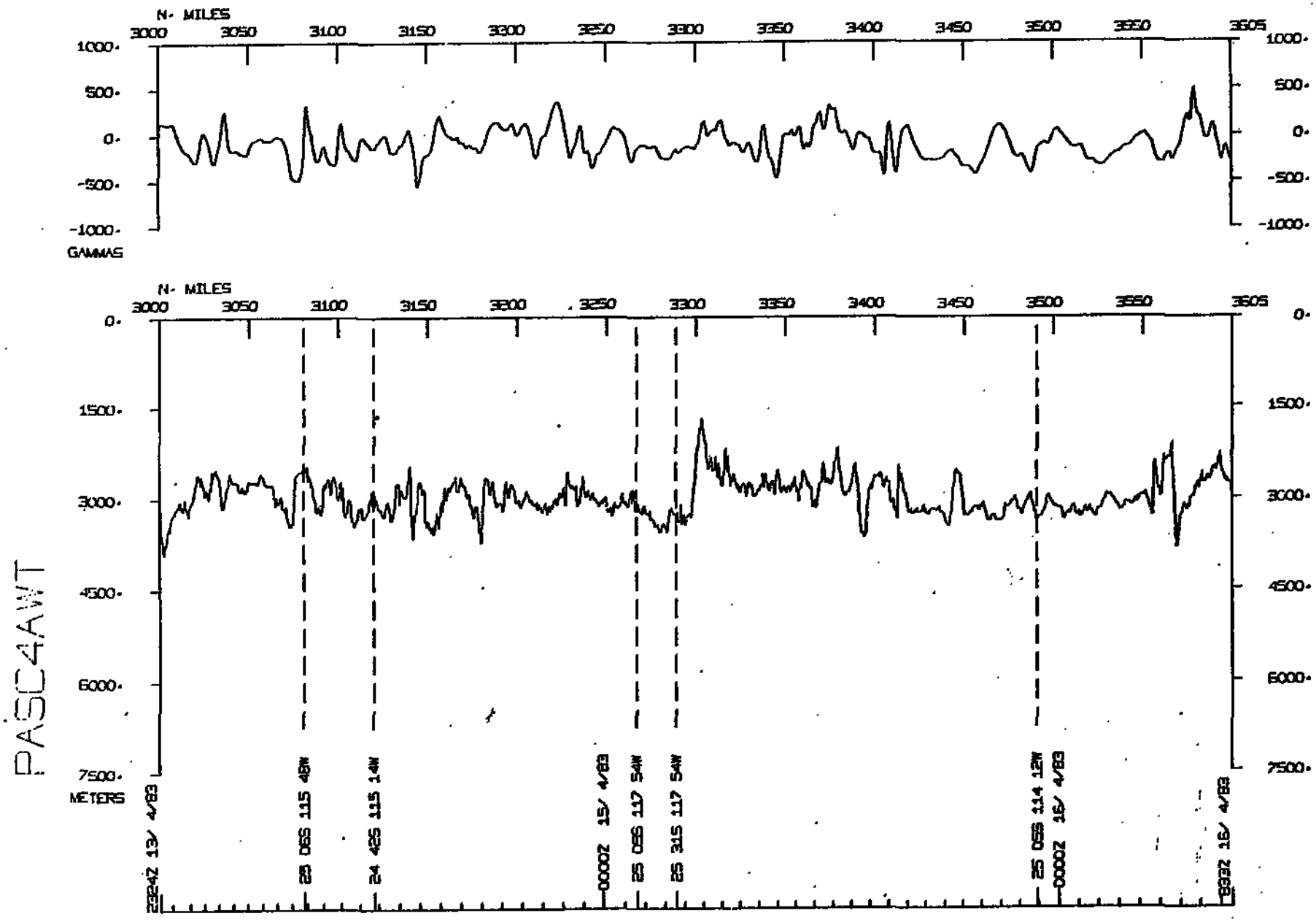
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
3005
0.
1500.
3000.
4500.
6000.
7500.
METERS
15542 11/ 4/83
22 336 111 54W
22 336 111 42W
23 065 111 44W
00002 12/ 4/83
22 365 112 26W
23 175 115 52W
00002 13/ 4/83
23 595 114 47W
23 415 114 20W
23 585 117 00W
23822 13/ 4/83

PA3C4AWT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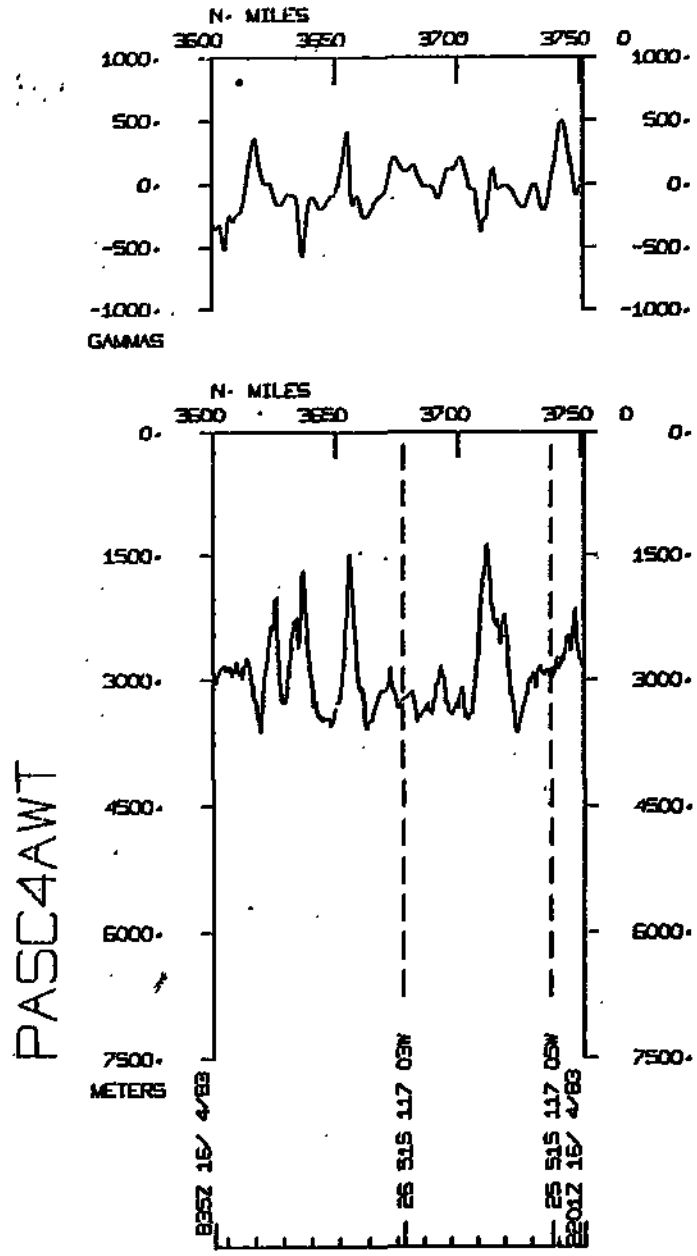
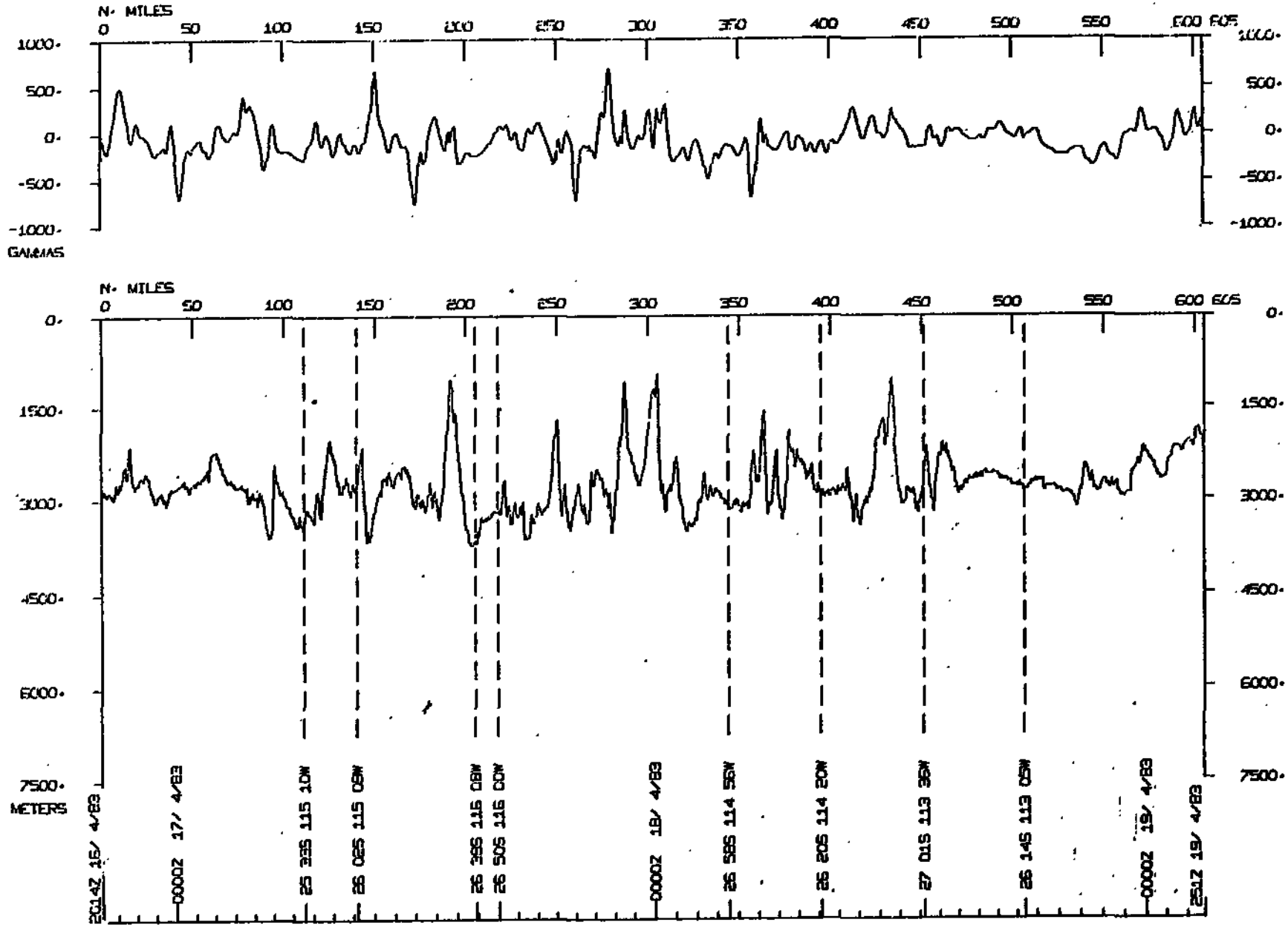
1000. 500. 0. -500. -1000.
GAMMAS
N- MILES
3000 3050 3100 3150 3200 3250 3300 3350 3400 3450 3500 3550 3605
0. 1500. 3000. 4500. 6000. 7500.
METERS
23242 13/ 4/83
25 DES 115 48W
24 425 115 14W
00002 15/ 4/83
25 DES 117 54W
25 315 117 54W
25 DES 114 12W
00002 16/ 4/83
8932 16/ 4/83
PASC4AWT



NOTE: Leg PASC04WT split into 2 parts (4A and 4B) for processing purposes only. Data are referred to and archived under the PASC04WT designation.

Add 3740 to mileage shown



PASCAGNI

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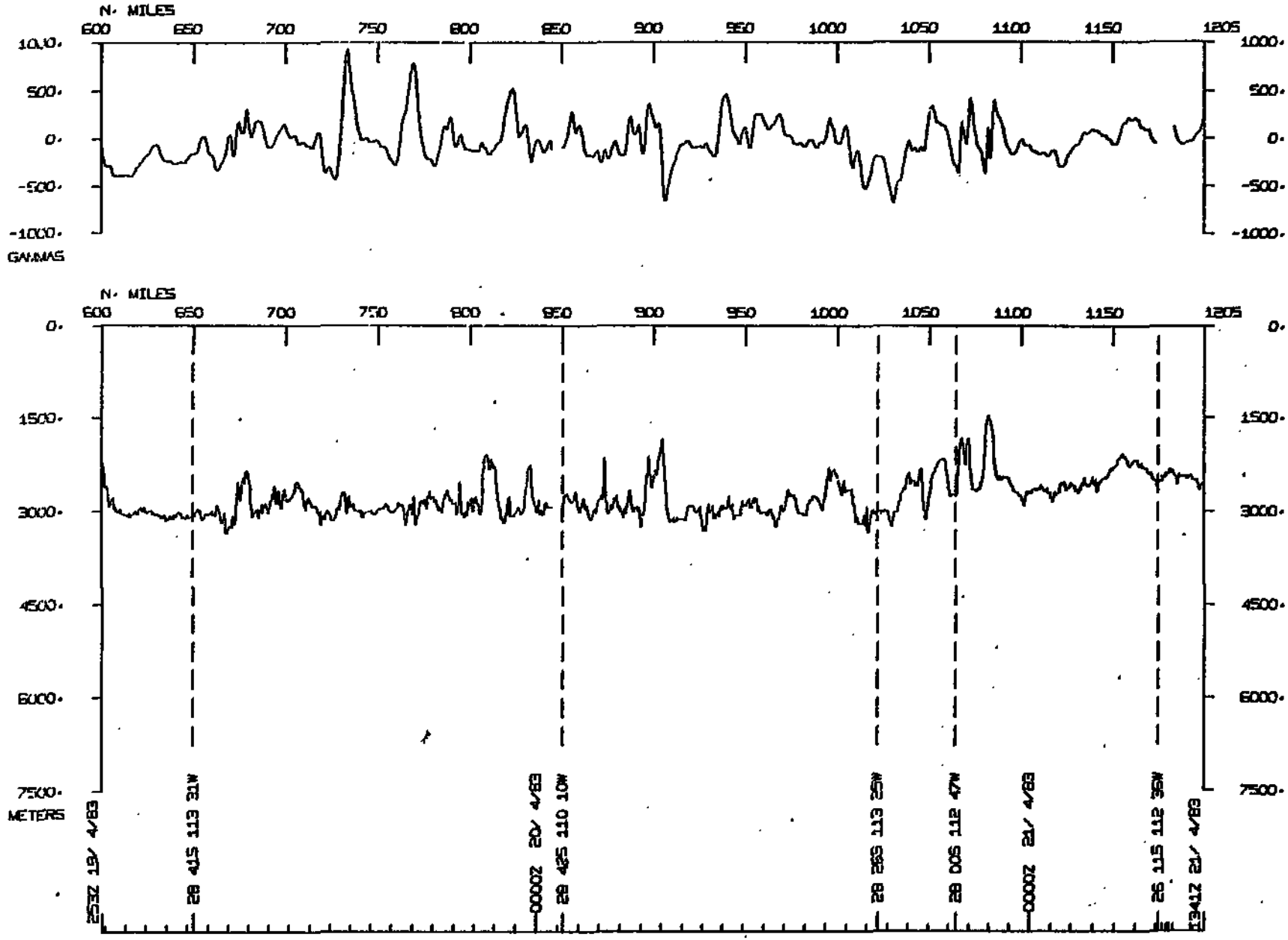

PASC4BWT

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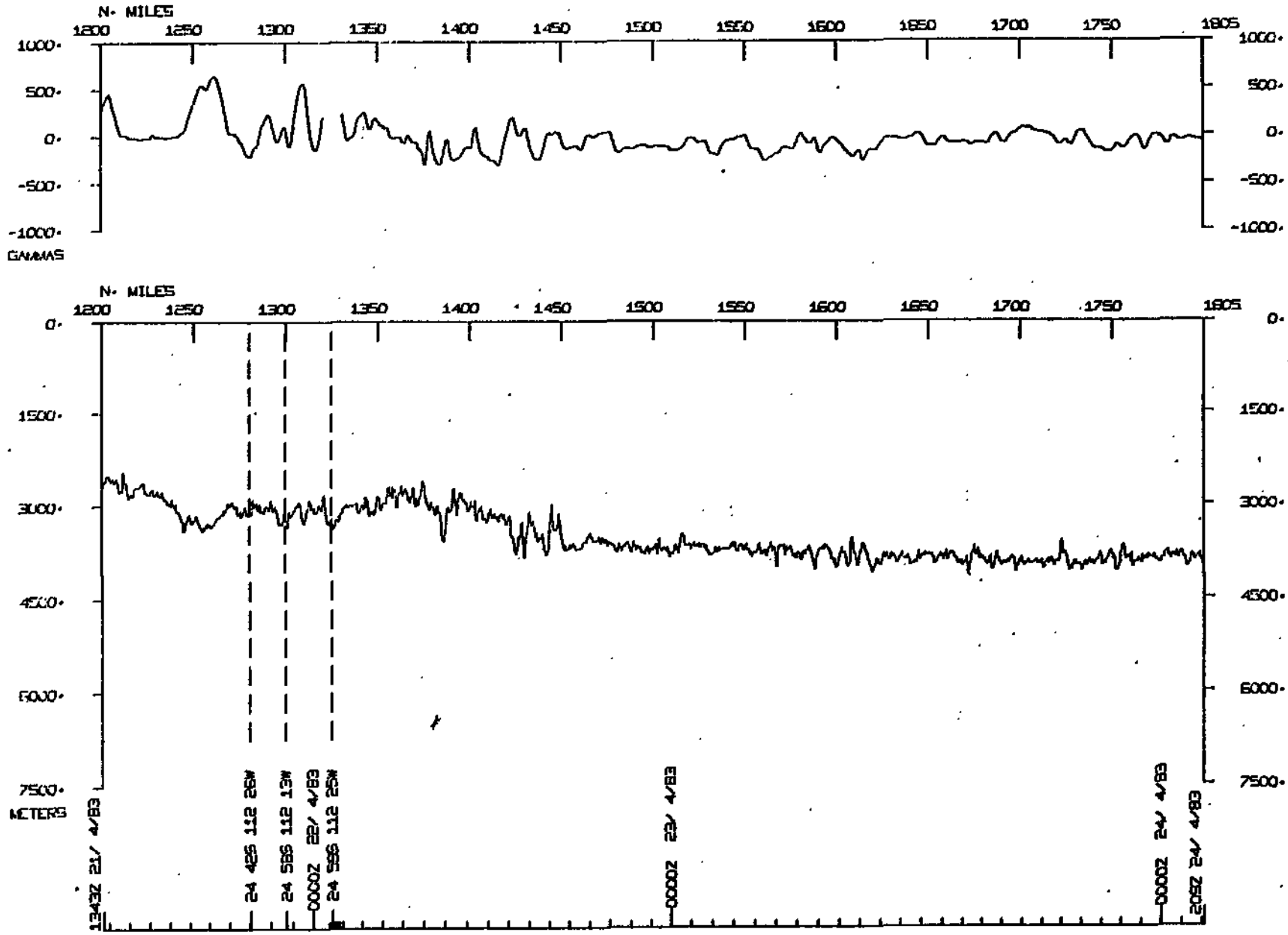
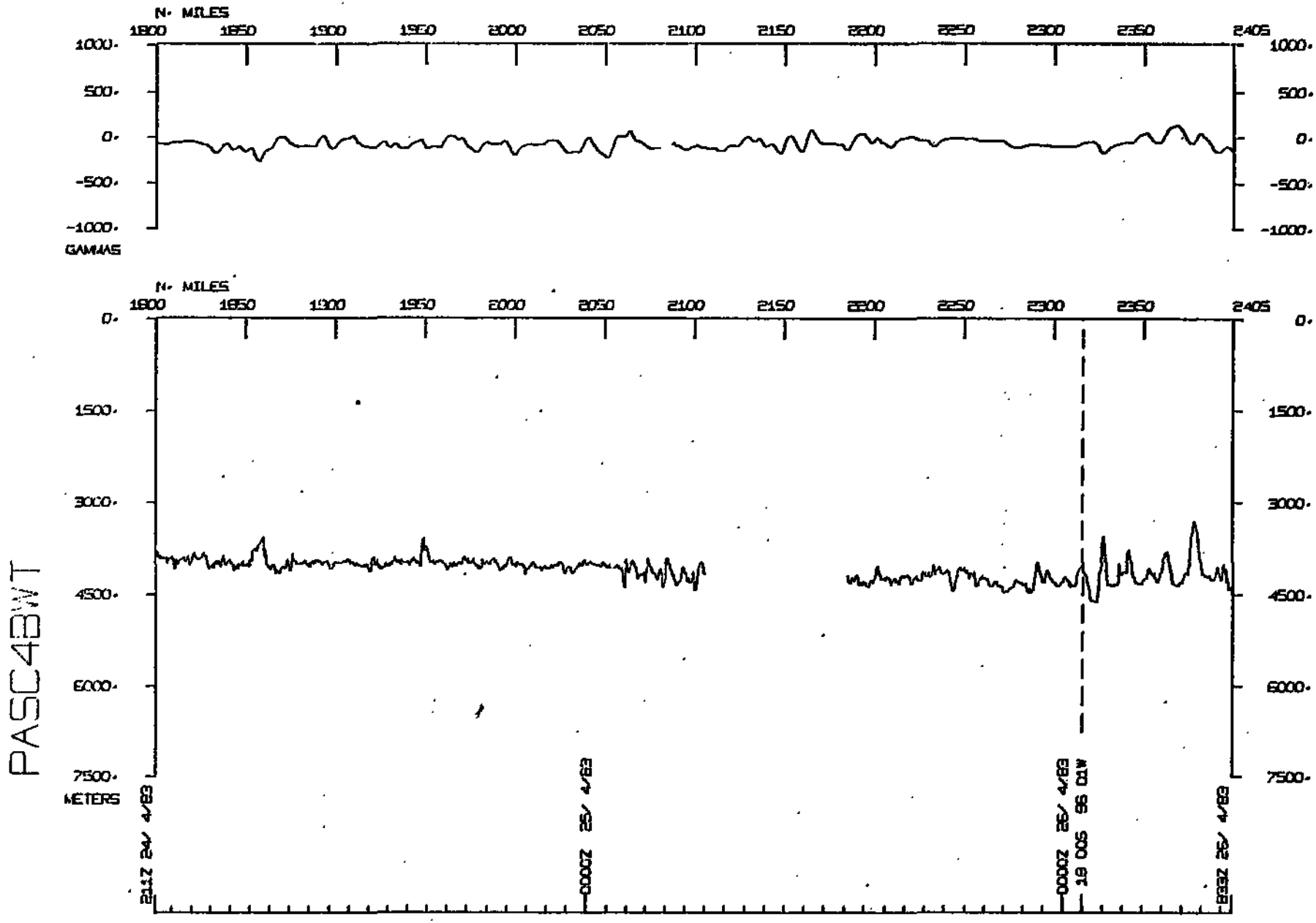


PAGE 4 OF 7

Add 3740 to mileage shown



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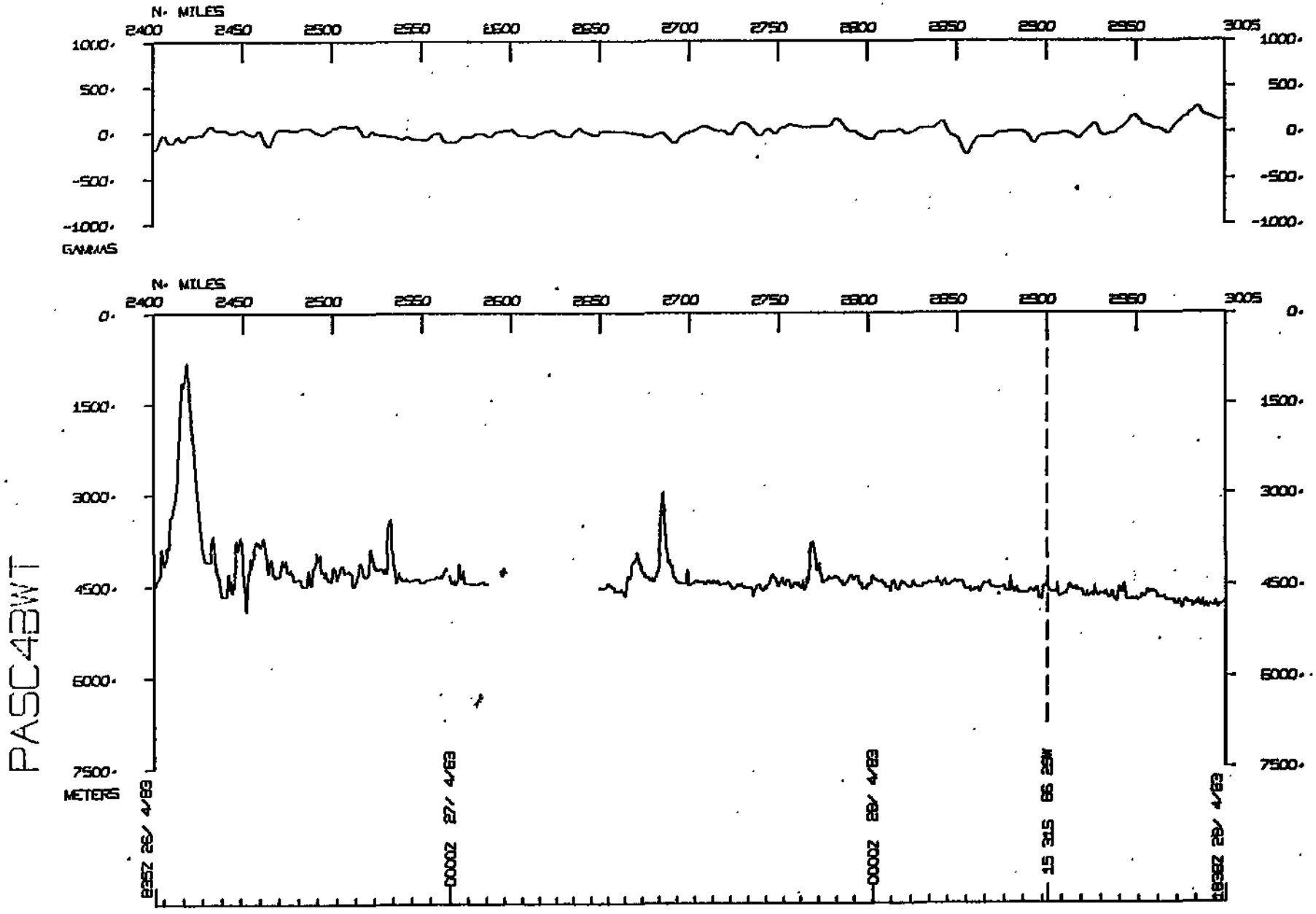

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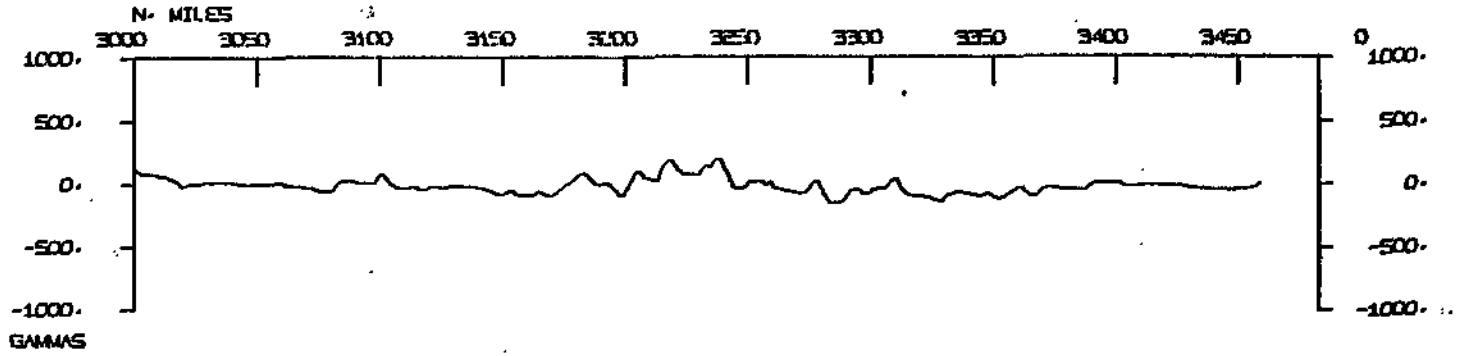
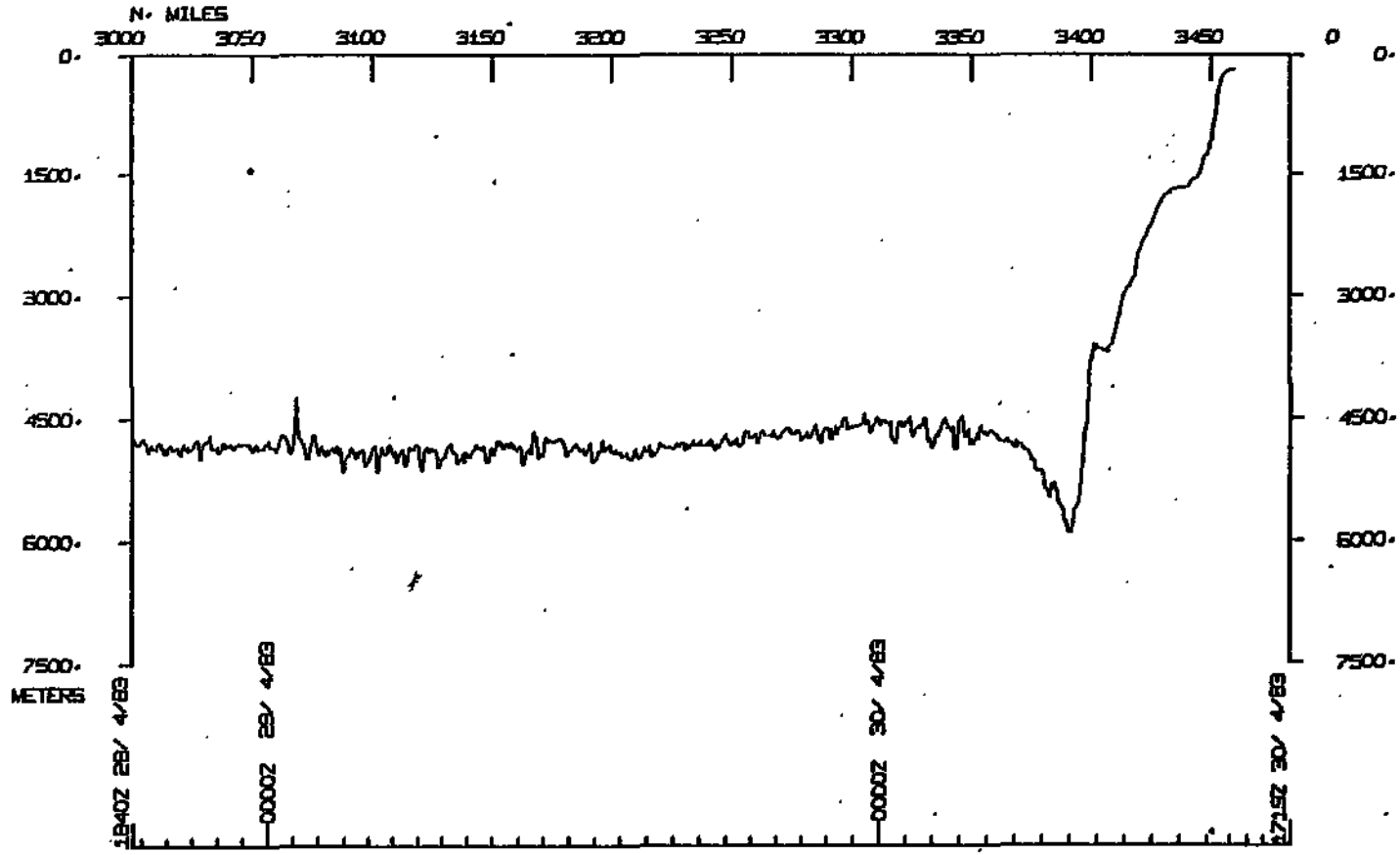




PASC4BWT

S.I.O. Sample Index

(Issued June 1983)

PASCUA EXPEDITION

Leg 4

Easter Island (1 April 1983)
to
Callao, Peru (30 April 1983)

R/V T. Washington

Chief Scientist - R. Hey (SIO)

Resident Marine Tech - E. Pillard

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

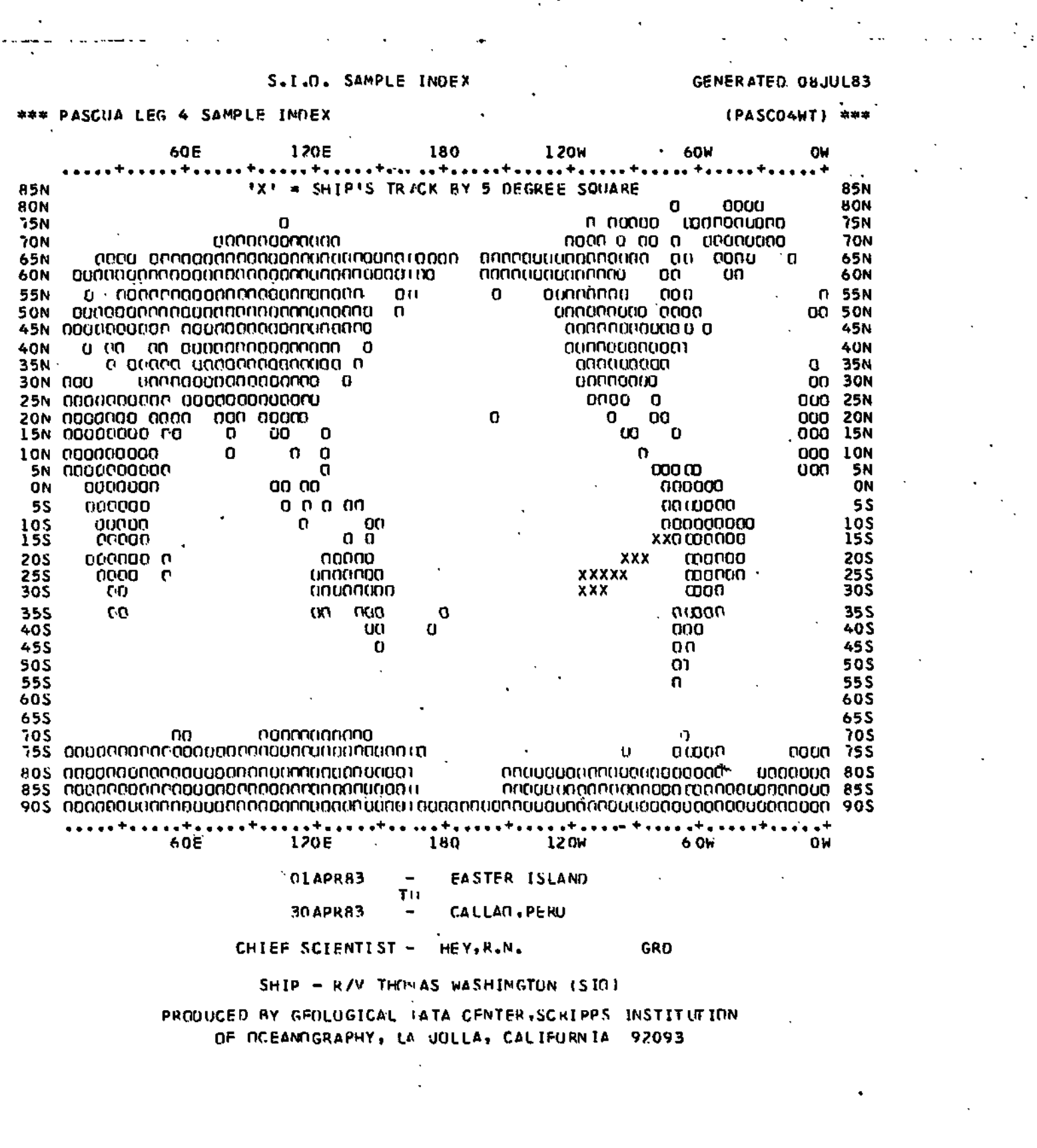
The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident technician and processed on shore by the S.I.O. Geological Data 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.)

GDC Cruise I.D.# -205

S.I.O. SAMPLE INDEX GENERATED 08JUL83

*** PASCUA LEG 4 SAMPLE INDEX (PASC04WT) ***



01APR83 - EASTER ISLAND
TO
30APR83 - CALLAO,PERU

CHIEF SCIENTIST - HEY,R.N. 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	DR	GV	LB	MB	MG	PE	TG	
CHL								1		1
GDC	4	5		2	1	43	16		1	72
GRD			2			1		2		5
MTG								4		4
NOA	37									37
SIO								2		2
SIX								1		1
UCS								1		1
TOTAL	41	5	2	2	1	44	16	11	1	123

SAMPLE 'TYPE' CODES USED ABOVE

BT = BATHYTHERMOGRAM
DP = DEPTH
DR = DREDGE
GV = GRAVITY
LB = LOG BOOKS
MB = MULTI-BEAM (SEABEAM) ECHOSOUNDER
MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
PE = PERSONNEL IN SCIENTIFIC PARTY
TG = THERMOGRAPH

SAMPLE 'DISP' CODES USED ABOVE

CHL = CHILE
GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
NOA = NATIONAL OCEANOG. + ATMOSPH. ADMINISTRATION
SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CAL. 92093
SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
UCS = UNIV. CALIF. SANTA BARBARA

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
					PASCUA LEG 4 SAMPLE INDEX				PASC04WT

*** PORTS ***

2251	1/ 4/83			LGPT	B EASTER ISLAND		27 09. S	109 27. W	F PASC04WT
1700	30/ 4/83			LGPT	E CALLAO,PERU		12 03. S	77 10. W	F PASC04WT

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 HEY,R.N.	CHEIF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
2 MOORE,J.M.	COMPTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3 PILLARD,E.G.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 SMITH,W.L.	SEABEAM OPERATOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 DOWNES,P.G.	S.B. ELECT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6 KEELER,M.A.	SCI PARTY MEMBER	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7 MORGAN,W.(BROWN U.)	STUDENT	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
8 JOHNSON,L.E.	STUDENT	UNIV. CALIF. SANTA BARBARA
9 KLEINROCK,M.C.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
10 NAAR,D.F.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
11 MORALES,E.J.	OBSERVER	CHILE

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 ***

2251	1/ 4/83			LBUW B	UNDERWAY WATCH LOG	GDC	27 08.6S	109 26.2W	S PASC04WT
1700	30/ 4/83			LBUW E	UNDERWAY WATCH LOG	GDC	12 03.0S	77 08.9W	S PASC04WT

*** MAGNETOMETER ***

0030	2/ 4/83			MGRA B	MAGNETICS R-01	GDC	26 57.1S	109 35.7W	S PASC04WT
2111	3/ 4/83			MGRA E	MAGNETICS R-01	GDC	26 18.0S	113 04.5W	S PASC04WT
2123	3/ 4/83			MGRA B	MAGNETICS R-02	GDC	26 17.7S	113 07.0W	S PASC04WT
1928	4/ 4/83			MGRA E	MAGNETICS R-02	GDC	25 16.2S	112 26.5W	S PASC04WT
1936	4/ 4/83			MGRA B	MAGNETICS R-03	GDC	25 16.4S	112 25.2W	S PASC04WT
1858	5/ 4/83			MGRA E	MAGNETICS R-03	GDC	25 04.4S	112 00.8W	S PASC04WT
1909	5/ 4/83			MGRA B	MAGNETICS R-04	GDC	25 04.5S	111 59.0W	S PASC04WT
0505	7/ 4/83			MGRA E	MAGNETICS R-04	GDC	24 10.5S	110 19.0W	S PASC04WT
0510	7/ 4/83			MGRA B	MAGNETICS R-05	GDC	24 09.6S	110 19.0W	S PASC04WT
1905	10/ 4/83			MGRA E	MAGNETICS R-05	GDC	22 42.3S	112 43.8W	S PASC04WT
1925	10/ 4/83			MGRA B	MAGNETICS R-06	GDC	22 42.6S	112 40.3W	S PASC04WT
1952	12/ 4/83			MGRA E	MAGNETICS R-06	GDC	23 19.5S	115 26.7W	S PASC04WT
2010	12/ 4/83			MGRA B	MAGNETICS R-07	GDC	23 19.2S	115 30.4W	S PASC04WT
1630	13/ 4/83			MGRA E	MAGNETICS R-07	GDC	23 51.6S	115 50.2W	S PASC04WT
1643	13/ 4/83			MGRA B	MAGNETICS R-08	GDC	23 51.9S	115 52.9W	S PASC04WT
1050	14/ 4/83			MGRA E	MAGNETICS R-08	GDC	24 55.0S	115 32.0W	S PASC04WT
1100	14/ 4/83			MGRA B	MAGNETICS R-09	GDC	24 54.0S	115 30.5W	S PASC04WT
0510	15/ 4/83			MGRA E	MAGNETICS R-09	GDC	25 28.2S	117 35.9W	S PASC04WT
0516	15/ 4/83			MGRA B	MAGNETICS R-10	GDC	25 28.0S	117 34.8W	S PASC04WT
2338	15/ 4/83			MGRA E	MAGNETICS R-10	GDC	25 09.9S	114 19.1W	S PASC04WT
2342	15/ 4/83			MGRA B	MAGNETICS R-11	GDC	25 10.4S	114 19.8W	S PASC04WT
1830	16/ 4/83			MGRA E	MAGNETICS R-11	GDC	26 16.6S	117 05.1W	S PASC04WT
2045	16/ 4/83			MGRA B	MAGNETICS R-12	GDC	25 51.6S	117 05.5W	S PASC04WT
2015	17/ 4/83			MGRA E	MAGNETICS R-12	GDC	26 31.6S	115 18.4W	S PASC04WT
2022	17/ 4/83			MGRA B	MAGNETICS R-13	GDC	26 30.7S	115 17.4W	S PASC04WT
1945	19/ 4/83			MGRA E	MAGNETICS R-13	GDC	28 59.3S	110 55.3W	S PASC04WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1950	19/ 4/83			MGRA B	MAGNETICS R-14	GDC	28 59.4S	110 54.3W	S PASC04WT
1632	20/ 4/83			MGRA E	MAGNETICS R-14	GDC	28 26.5S	113 25.4W	S PASC04WT
2243	21/ 4/83			MGRA B	MAGNETICS R-15	GDC	24 58.6S	112 13.7W	S PASC04WT
0048	23/ 4/83			MGRA E	MAGNETICS R-15	GDC	23 51.0S	109 20.6W	S PASC04WT
0431	25/ 4/83			MGRA B	MAGNETICS R-16	GDC	20 23.5S	99 44.7W	S PASC04WT
2315	26/ 4/83			MGRA E	MAGNETICS R-16	GDC	17 30.5S	92 05.3W	S PASC04WT
*** FATHOGRAMS ***									
0255	4/ 4/83			DPR3 B	3.5 KHZ R-01	GDC	26 11.0S	114 16.0W	S PASC04WT
1410	13/ 4/83			DPR3 E	3.5 KHZ R-01	GDC	23 48.8S	115 22.5W	S PASC04WT
1420	13/ 4/83			DPR3 B	3.5 KHZ R-02	GDC	23 49.1S	115 24.2W	S PASC04WT
0855	14/ 4/83			DPR3 E	3.5 KHZ R-02	GDC	25 06.2S	115 48.0W	S PASC04WT
2316	24/ 4/83			DPR3 B	3.5 KHZ R-03	GDC	20 44.8S	100 42.2W	S PASC04WT
0443	25/ 4/83			DPR3 E	3.5 KHZ R-03	GDC	20 22.7S	99 42.5W	S PASC04WT
0451	25/ 4/83			DPR3 B	3.5 KHZ R-04	GDC	20 22.1S	99 41.1W	S PASC04WT
0330	27/ 4/83			DPR3 E	3.5 KHZ R-04	GDC	17 14.8S	91 22.6W	S PASC04WT
0344	27/ 4/83			DPR3 B	3.5 KHZ R-05	GDC	17 14.0S	91 20.4W	S PASC04WT
0153	29/ 4/83			DPR3 E	3.5 KHZ R-05	GDC	14 25.3S	83 40.2W	S PASC04WT
SEABEAM MONITOR RECORD - VERTICAL BEAM									
0130	2/ 4/83			MBMR B	12KHZ MONITOR R-01	GDC	26 53.1S	109 36.1W	S PASC04WT
0700	7/ 4/83			MBMR E	12KHZ MONITOR R-01	GDC	23 50.1S	110 19.3W	S PASC04WT
0718	7/ 4/83			MBMR B	12KHZ MONITOR R-02	GDC	23 46.8S	110 19.3W	S PASC04WT
1908	12/ 4/83			MBMR E	12KHZ MONITOR R-02	GDC	23 20.3S	115 17.8W	S PASC04WT
1930	12/ 4/83			MBMR B	12KHZ MONITOR R-03	GDC	23 19.9S	115 22.2W	S PASC04WT
1530	13/ 4/83			MBMR E	12KHZ MONITOR R-03	GDC	23 50.4S	115 37.9W	S PASC04WT
2130	13/ 4/83			MBMR B	12KHZ MONITOR R-04	GDC	23 57.5S	116 52.5W	S PASC04WT
1453	14/ 4/83			MBMR E	12KHZ MONITOR R-04	GDC	24 48.0S	115 40.7W	S PASC04WT
1500	14/ 4/83			MBMR B	12KHZ MONITOR R-05	GDC	24 48.2S	115 42.2W	S PASC04WT
2300	17/ 4/83			MBMR E	12KHZ MONITOR R-05	GDC	26 12.3S	114 53.7W	S PASC04WT
2309	17/ 4/83			MBMR B	12KHZ MONITOR R-06	GDC	26 11.2S	114 52.4W	S PASC04WT
1406	21/ 4/83			MBMR E	12KHZ MONITOR R-06	GDC	25 55.9S	112 34.9W	S PASC04WT
1414	21/ 4/83			MBMR B	12KHZ MONITOR R-07	GDC	25 54.6S	112 34.2W	S PASC04WT
1530	21/ 4/83			MBMR E	12KHZ MONITOR R-07	GDC	25 42.0S	112 29.9W	S PASC04WT
1600	21/ 4/83			MBMR B	12KHZ MONITOR R-08	GDC	25 36.6S	112 30.5W	S PASC04WT
0353	26/ 4/83			MBMR E	12KHZ MONITOR R-08	GDC	18 48.3S	95 29.2W	S PASC04WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0412	26/ 4/83			MBMR B	12KHZ MONITOR R-09	GDC	18 47.0S	95 25.8W	S PASC04WT
1700	30/ 4/83			MBMR E	12KHZ MONITOR R-09	GDC	12 03.0S	77 08.9W	S PASC04WT

SEABEAM SWATH BOOK - REALTIME CONTOUR SWATH

0133	2/ 4/83			MBSB B	S.B.SWATH BOOK-01	GDC	26 52.9S	109 36.1W	S PASC04WT
0753	3/ 4/83			MBSB E	S.B.SWATH BOOK-01	GDC	26 38.3S	110 17.6W	S PASC04WT
0757	3/ 4/83			MBSB B	S.B.SWATH BOOK-02	GDC	26 38.2S	110 18.5W	S PASC04WT
1054	4/ 4/83			MBSB E	S.B.SWATH BOOK-02	GDC	25 05.9S	113 58.8W	S PASC04WT
1058	4/ 4/83			MBSB B	S.B.SWATH BOOK-03	GDC	25 06.0S	113 58.0W	S PASC04WT
1646	5/ 4/83			MBSB E	S.B.SWATH BOOK-03	GDC	25 03.1S	112 23.4W	S PASC04WT
1647	5/ 4/83			MBSB B	S.B.SWATH BOOK-04	GDC	25 03.1S	112 23.2W	S PASC04WT
2055	6/ 4/83			MBSB E	S.B.SWATH BOOK-04	GDC	24 29.1S	111 27.8W	S PASC04WT
2057	6/ 4/83			MBSB B	S.B.SWATH BOOK-05	GDC	24 29.1S	111 27.5W	S PASC04WT
0102	8/ 4/83			MBSB E	S.B.SWATH BOOK-05	GDC	23 07.7S	113 23.7W	S PASC04WT
0102	8/ 4/83			MBSB B	S.B.SWATH BOOK-06	GDC	23 07.7S	113 23.7W	S PASC04WT
0426	9/ 4/83			MBSB E	S.B.SWATH BOOK-06	GDC	22 56.2S	114 29.9W	S PASC04WT
0427	9/ 4/83			MBSB B	S.B.SWATH BOOK-07	GDC	22 56.3S	114 30.1W	S PASC04WT
0740	10/ 4/83			MBSB E	S.B.SWATH BOOK-07	GDC	22 33.9S	114 49.7W	S PASC04WT
0740	10/ 4/83			MBSB B	S.B.SWATH BOOK-08	GDC	22 33.9S	114 49.7W	S PASC04WT
1108	11/ 4/83			MBSB E	S.B.SWATH BOOK-08	GDC	22 57.5S	111 15.7W	S PASC04WT
1108	11/ 4/83			MBSB B	S.B.SWATH BOOK-09	GDC	22 57.5S	111 15.7W	S PASC04WT
1303	12/ 4/83			MBSB E	S.B.SWATH BOOK-09	GDC	23 27.2S	114 03.5W	S PASC04WT
1304	12/ 4/83			MBSB B	S.B.SWATH BOOK-10	GDC	23 27.2S	114 03.7W	S PASC04WT
1630	13/ 4/83			MBSB E	S.B.SWATH BOOK-10	GDC	23 51.6S	115 50.2W	S PASC04WT
1630	13/ 4/83			MBSB B	S.B.SWATH BOOK-11	GDC	23 51.6S	115 50.2W	S PASC04WT
2044	14/ 4/83			MBSB E	S.B.SWATH BOOK-11	GDC	24 57.6S	116 53.6W	S PASC04WT
2044	14/ 4/83			MBSB B	S.B.SWATH BOOK-12	GDC	24 57.6S	116 53.6W	S PASC04WT
0002	16/ 4/83			MBSB E	S.B.SWATH BOOK-12	GDC	25 12.6S	114 23.1W	S PASC04WT
0002	16/ 4/83			MBSB B	S.B.SWATH BOOK-13	GDC	25 12.6S	114 23.1W	S PASC04WT
0222	17/ 4/83			MBSB E	S.B.SWATH BOOK-13	GDC	25 41.3S	115 59.8W	S PASC04WT
0222	17/ 4/83			MBSB B	S.B.SWATH BOOK-14	GDC	25 41.3S	115 59.8W	S PASC04WT
0435	18/ 4/83			MBSB E	S.B.SWATH BOOK-14	GDC	26 50.3S	114 48.1W	S PASC04WT
0435	17/ 4/83			MBSB B	S.B.SWATH BOOK-15	GDC	25 37.1S	115 34.0W	S PASC04WT
0800	19/ 4/83			MBSB E	S.B.SWATH BOOK-15	GDC	28 42.4S	113 23.2W	S PASC04WT
0800	19/ 4/83			MBSB B	S.B.SWATH BOOK-16	GDC	28 42.4S	113 23.2W	S PASC04WT
1057	20/ 4/83			MBSB E	S.B.SWATH BOOK-16	GDC	28 32.0S	112 14.3W	S PASC04WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1057	20/ 4/83			MBSB B	S.B.SWATH BOOK-17	GDC	28 32.0S	112 14.3W S	PASC04WT
1640	21/ 4/83			MBSB E	S.B.SWATH BOOK-17	GDC	25 29.3S	112 29.2W S	PASC04WT
1640	21/ 4/83			MBSB B	S.B.SWATH BOOK-18	GDC	25 49.3S	116 50.9W S	PASC04WT
2341	22/ 4/83			MBSB E	S.B.SWATH BOOK-18	GDC	23 55.5S	109 33.4W S	PASC04WT
2341	22/ 4/83			MBSB B	S.B.SWATH BOOK-19	GDC	23 55.5S	109 33.4W S	PASC04WT
0151	24/ 4/83			MBSB E	S.B.SWATH BOOK-19	GDC	22 09.6S	104 38.7W S	PASC04WT
0151	24/ 4/83			MBSB B	S.B.SWATH BOOK-20	GDC	22 09.6S	104 38.7W S	PASC04WT
0411	25/ 4/83			MBSB E	S.B.SWATH BOOK-20	GDC	20 25.0S	99 48.4W S	PASC04WT
0411	25/ 4/83			MBSB B	S.B.SWATH BOOK-21	GDC	20 25.0S	99 48.4W S	PASC04WT
2146	26/ 4/83			MBSB E	S.B.SWATH BOOK-21	GDC	17 37.0S	92 20.2W S	PASC04WT
2146	26/ 4/83			MBSB B	S.B.SWATH BOOK-22	GDC	17 37.0S	92 20.2W S	PASC04WT
1621	28/ 4/83			MBSB E	S.B.SWATH BOOK-22	GDC	15 02.9S	85 16.2W S	PASC04WT
1621	28/ 4/83			MBSB B	S.B.SWATH BOOK-23	GDC	15 02.9S	85 16.2W S	PASC04WT
0333	30/ 4/83			MBSB E	S.B.SWATH BOOK-23	GDC	12 46.6S	79 15.9W S	PASC04WT
0333	30/ 4/83			MBSB B	S.B.SWATH BOOK-24	GDC	12 46.6S	79 15.9W S	PASC04WT
1307	30/ 4/83			MBSB E	S.B.SWATH BOOK-24	GDC	12 08.9S	77 32.3W S	PASC04WT

SEABEAM MAG TAPE - RAW LOGGED DATA

0134	2/ 4/83			MBMT B	S.B.RAW DATA TAPE-01	GDC	26 52.8S	109 36.1W S	PASC04WT
0425	6/ 4/83			MBMT E	S.B.RAW DATA TAPE-01	GDC	24 47.4S	112 42.6W S	PASC04WT
0425	6/ 4/83			MBMT B	S.B.RAW DATA TAPE-02	GDC	24 47.4S	112 42.6W S	PASC04WT
1924	10/ 4/83			MBMT E	S.B.RAW DATA TAPE-02	GDC	22 42.6S	112 40.4W S	PASC04WT
1924	10/ 4/83			MBMT B	S.B.RAW DATA TAPE-03	GDC	22 42.6S	112 40.4W S	PASC04WT
0838	15/ 4/83			MBMT E	S.B.RAW DATA TAPE-03	GDC	25 21.5S	116 56.9W S	PASC04WT
0838	15/ 4/83			MBMT B	S.B.RAW DATA TAPE-04	GDC	25 21.5S	116 56.9W S	PASC04WT
0455	19/ 4/83			MBMT E	S.B.RAW DATA TAPE-04	GDC	28 14.9S	113 25.1W S	PASC04WT
0455	19/ 4/83			MBMT B	S.B.RAW DATA TAPE-05	GDC	28 14.9S	113 25.1W S	PASC04WT
2113	23/ 4/83			MBMT E	S.B.RAW DATA TAPE-05	GDC	22 28.6S	105 29.6W S	PASC04WT
2113	23/ 4/83			MBMT B	S.B.RAW DATA TAPE-06	GDC	22 28.6S	105 29.6W S	PASC04WT
1320	30/ 4/83			MBMT E	S.B.RAW DATA TAPE-06	GDC	12 08.3S	77 31.2W S	PASC04WT

SEABEAM SOUND VELOCITY PROFILE

2040	9/ 4/83			MBVP B	SOUND VEL.PROFILE-02	GDC	23 14.7S	115 54.7W S	PASC04WT
0146	18/ 4/83			MBVP E	SOUND VEL.PROFILE-02	GDC	26 38.9S	114 54.1W S	PASC04WT
0146	18/ 4/83			MBVP B	SOUND VEL.PROFILE-03	GDC	26 38.9S	114 54.1W S	PASC04WT
1550	29/ 4/83			MBVP E	SOUND VEL.PROFILE-03	GDC	13 36.5S	81 16.8W S	PASC04WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.		LEG-SHIP CRUISE
1550	29/ 4/83			MBVP B	SOUND VEL.PROFILE-04	GDC	13 36.5S	81 16.8W	S	PASC04WT
1700	30/ 4/83			MBVP E	SOUND VEL.PROFILE-04	GDC	12 03.0S	77 08.9W	S	PASC04WT
SEABEAM SURVEY										
0134	2/ 4/83			MBSV B	EASTER MICROPLATE	GDC	22 00.0S	108 30.0W	B	PASC04WT
2020	22/ 4/83			MBSV E	EASTER MICROPLATE	GDC	30 00.0S	118 00.0W	B	PASC04WT
0823	22/ 4/83			MBSV B	SURVEY TRANSIT	GRD	12 02.0S	77 15.0W	B	PASC04WT
1530	30/ 4/83			MBSV E	SURVEY TRANSIT	GRD	24 58.0S	112 30.0W	B	PASC04WT
GRAVIMETRIC RECORDS										
2030	2/ 4/83			GVRA B	GRAVIMETER R-01	GDC	27 27.7S	109 03.0W	S	PASC04WT
0100	22/ 4/83			GVRA E	GRAVIMETER R-01	GDC	25 49.3S	116 50.9W	S	PASC04WT
0840	22/ 4/83			GVRA B	GRAVIMETER R-02	GDC	25 49.3S	116 50.9W	S	PASC04WT
1700	30/ 4/83			GVRA E	GRAVIMETER R-02	GDC	12 03.0S	77 08.9W	S	PASC04WT
*** THERMOGRAPH ***										
0120	2/ 4/83			TGRC B	THERMOGRAPHS 01-22	GDC	26 53.8S	109 36.0W	S	PASC04WT
1700	30/ 4/83			TGRC E	THERMOGRAPHS 01-22	GDC	12 03.0S	77 08.9W	S	PASC04WT
*** BATHYTHERMOGRAPH ***										
0731	4/ 4/83			BTXP	XBT-01	GDC	25 23.4S	114 16.5W	S	PASC04WT
1940	9/ 4/83			BTXP	XBT-02	GDC	23 13.9S	116 04.5W	S	PASC04WT
1950	9/ 4/83			BTXP	XBT-03	GDC	23 14.0S	116 02.9W	S	PASC04WT
1802	17/ 4/83			BTXP	XBT-04	GDC	25 49.3S	116 50.9W	S	PASC04WT
2152	9/ 4/83			BTXP	XBT-01 NOAA	NOA	23 15.5S	115 43.0W	S	PASC04WT
2043	20/ 4/83			BTXP	XBT-01B NOAA	NOA	27 56.6S	112 47.3W	S	PASC04WT
0210	21/ 4/83			BTXP	XBT-02 NOAA	NOA	26 55.8S	112 42.6W	S	PASC04WT
1345	21/ 4/83			BTXP	XBT-03 NOAA	NOA	25 59.4S	112 36.6W	S	PASC04WT
1938	21/ 4/83			BTXP	XBT-04 NOAA	NOA	24 57.5S	112 23.9W	S	PASC04WT
2245	22/ 4/83			BTXP	XBT-05 NOAA	NOA	23 59.1S	109 44.0W	S	PASC04WT
0440	23/ 4/83			BTXP	XBT-06 NOAA	NOA	23 34.4S	108 35.7W	S	PASC04WT
1011	23/ 4/83			BTXP	XBT-07 NOAA	NOA	23 11.3S	107 32.3W	S	PASC04WT
1548	23/ 4/83			BTXP	XBT-08 NOAA	NOA	22 50.9S	106 28.8W	S	PASC04WT
2120	23/ 4/83			BTXP	XBT-09 NOAA	NOA	22 28.1S	105 28.3W	S	PASC04WT
0305	24/ 4/83			BTXP	XBT-10 NOAA	NOA	22 04.5S	104 25.3W	S	PASC04WT
0850	24/ 4/83			BTXP	XBT-11 NOAA	NOA	21 41.6S	103 22.0W	S	PASC04WT
1418	24/ 4/83			BTXP	XBT-12 NOAA	NOA	21 18.9S	102 22.1W	S	PASC04WT
1950	24/ 4/83			BTXP	XBT-13 NOAA	NOA	20 57.5S	101 20.6W	S	PASC04WT
0120	25/ 4/83			BTXP	XBT-14 NOAA	NOA	20 36.5S	100 19.3W	S	PASC04WT
0640	25/ 4/83			BTXP	XBT-15 NOAA	NOA	20 14.4S	99 21.3W	S	PASC04WT
1205	25/ 4/83			BTXP	XBT-16 NOAA	NOA	19 52.4S	98 21.7W	S	PASC04WT
1730	25/ 4/83			BTXP	XBT-17 NOAA	NOA	19 30.5S	97 21.8W	S	PASC04WT
2300	25/ 4/83			BTXP	XBT-18 NOAA	NOA	19 08.5S	96 21.8W	S	PASC04WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0425	26/ 4/83			BTXP	XBT-19 NOAA	NOA	18 46.2S	95 23.4W	S PASC04WT
0948	26/ 4/83			BTXP	XBT-20 NOAA	NOA	18 26.0S	94 24.6W	S PASC04WT
1525	26/ 4/83			BTXP	XBT-21 NOAA	NOA	18 04.8S	93 25.0W	S PASC04WT
2100	26/ 4/83			BTXP	XBT-22 NOAA	NOA	17 40.3S	92 27.9W	S PASC04WT
0243	27/ 4/83			BTXP	XBT-23 NOAA	NOA	17 17.5S	91 30.2W	S PASC04WT
0845	27/ 4/83			BTXP	XBT-24 NOAA	NOA	16 58.8S	90 32.3W	S PASC04WT
1455	27/ 4/83			BTXP	XBT-25 NOAA	NOA	16 39.2S	89 33.0W	S PASC04WT
2055	27/ 4/83			BTXP	XBT-26 NOAA	NOA	16 16.5S	88 35.5W	S PASC04WT
0258	28/ 4/83			BTXP	XBT-27 NOAA	NOA	15 53.7S	87 35.1W	S PASC04WT
0935	28/ 4/83			BTXP	XBT-28 NOAA	NOA	15 30.0S	86 26.1W	S PASC04WT
1525	28/ 4/83			BTXP	XBT-29 NOAA	NOA	15 06.7S	85 25.9W	S PASC04WT
2105	28/ 4/83			BTXP	XBT-30 NOAA	NOA	14 44.0S	84 28.9W	S PASC04WT
0255	29/ 4/83			BTXP	XBT-31 NOAA	NOA	14 21.5S	83 29.5W	S PASC04WT
0900	29/ 4/83			BTXP	XBT-32 NOAA	NOA	14 01.2S	82 28.2W	S PASC04WT
1452	29/ 4/83			BTXP	XBT-33 NOAA	NOA	13 40.4S	81 26.9W	S PASC04WT
2011	29/ 4/83			BTXP	XBT-34 NOAA	NOA	13 17.3S	80 33.0W	S PASC04WT
0145	30/ 4/83			BTXP	XBT-35 NOAA	NOA	12 53.8S	79 35.6W	S PASC04WT
0720	30/ 4/83			BTXP	XBT-36 NOAA	NOA	12 32.4S	78 34.0W	S PASC04WT

*** DREDGES *** CURATOR - W. RIEDEL EXT. 4386

0910	21/ 4/83			DRRO	B ROCK DREDGE NO-11	GRD	26 15.9S	112 37.1W	S PASC04WT
1012	21/ 4/83			DRRO	E DREDGE 11 SITE-01	GRD	26 16.4S	112 37.4W	S PASC04WT
0337	22/ 4/83			DRRO	B ROCK DREDGE NO-12	GRD	25 00.3S	112 25.1W	S PASC04WT
0638	22/ 4/83			DRRO	E DREDGE 12 SITE-02	GRD	24 58.5S	112 25.4W	S PASC04WT

9900 END SAMPLE INDEX PASC04WT