

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

PLUME EXPEDITION

LEG 5
=====

R/V Thomas Washington

(Issued July 1990)

Montevideo, Uruguay (18 April 1990)
to
Recife, Brazil (22 May 1990)

Co-Chief Scientists:

Peter Michael (University of Tulsa, Oklahoma)
Peter J. Fox (University of Rhode Island)

Resident Marine Technician - Ron Comer

Post-Cruise Processing and Report Preparation by the
Geological Data Center, Scripps Institution of Oceanography
La Jolla, California 92093

Data Collection and Processing Funded by:
NSF Grant Number OCE87-02835

NOTE: This is an index of underway geophysical data edited
and processed after the completion of the cruise leg and is
intended primarily for informal use within the institution.
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Geological Data Center, Scripps Institution of Oceanography,
La Jolla, California 92093.

GDC Cruise I.D.# 346

INFORMAL REPORT AND INDEX OF NAVIGATION AND UNDERWAY GEOPHYSICAL DATA

Processed by the Geological Data Center
Scripps Institution of Oceanography

Contents:

Index Chart - gives track of cruise leg, dates, ports, and mileage of each type of data collected.

Track Charts - annotated with dates and hour ticks.

Profiles - depth, magnetic anomaly and gravity free air anomaly vs. distance. Sections of track having subbottom profile (airgun or watergun) records have a wide black line along the bottom of the profile. Sections having Sea Beam are indicated by a narrow black line.

Sample Index - list of beginning and end times and positions of all underway records as well as all other samples and measurements (geology, biology, physical oceanography, etc.) collected on the cruise leg.

NOTE: One or more of the underway data types may not be collected on a given 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, CA 92093-0223. Phone (619)534-2752. Fax (619)534-5306.

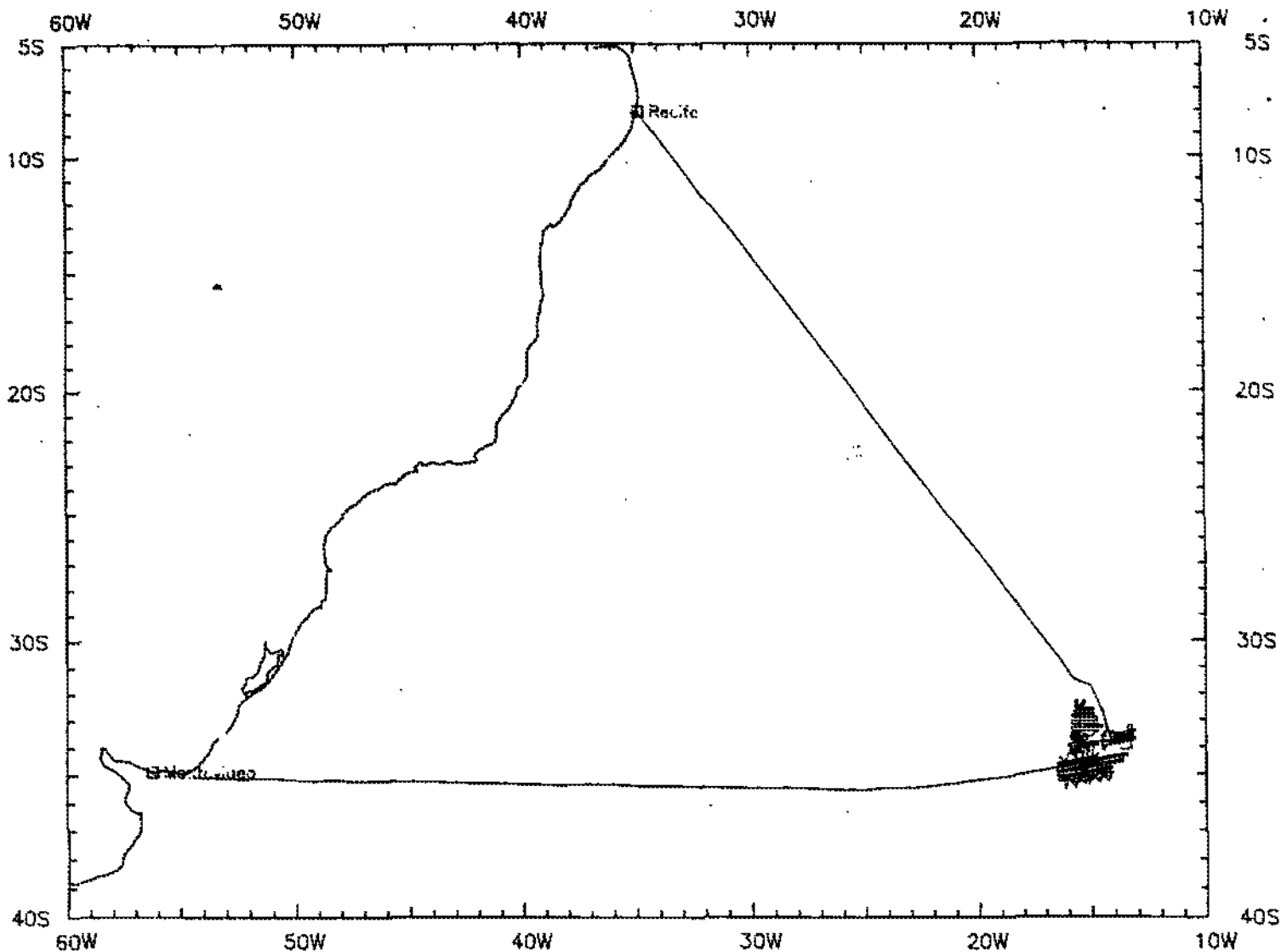
1. Navigation listing with times and positions of course and speed changes, fixes and drift velocity.
2. Depth compilation plots - compilation plots at the traditional scale of 4in/degree longitude (1:1,000,000) are no longer produced for Sea Beam cruises. Custom plots may be requested of vertical beam (2&2/3 degree beam width) depths retrieved at one minute intervals of ship time.
3. Plots of depths, magnetics or gravity profiles along track - custom plots at various map and profile scales on Mercator projection may be requested.
4. Separate time series files of navigation, depth, gravity and magnetics as well as these 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
 - c. Magnetometer records
 - d. Underway data log book

SIO Sea Beam Data Information

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 Sea Beam monitor record and navigation list.
- 3) Sea Beam merged tapes - Sea Beam data merged with navigation. (Navigation is edited to the extent that DR courses and speeds are edited and 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) Archive contour plots - 16"/degree chart scale, with contour interval nominally 50m, are generated for all transit lines. Some survey areas are plotted at appropriate scales as well. Available for inspection at data center; additional copies may be generated from plot files stored on tape.
- 5) 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).

Revised October 1986



PLUME EXPEDITION LEG 5

CO-CHIEF SCIENTISTS:

P. Michael - University of Tulsa

J. Fox - University of Rhode Island

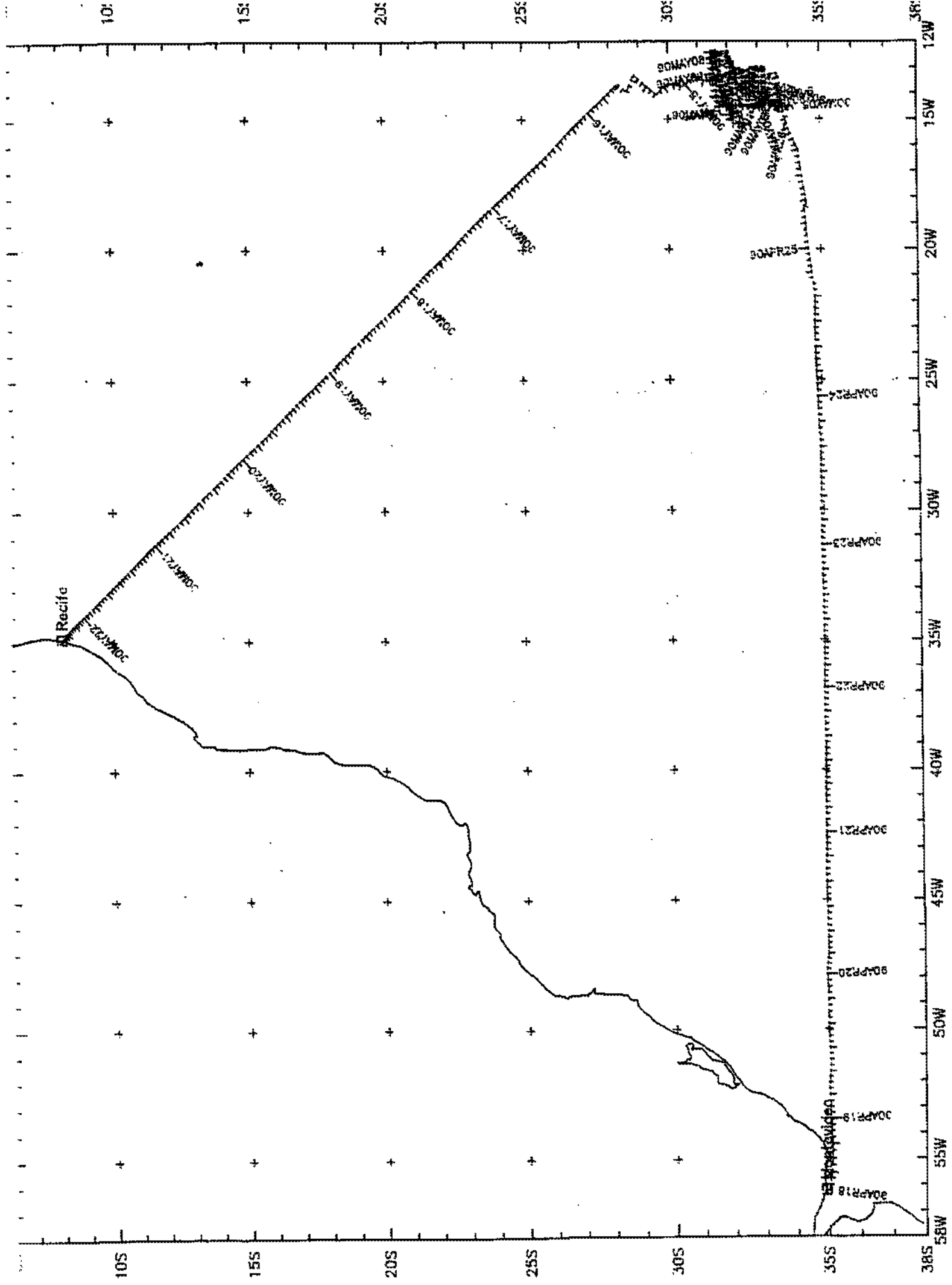
PORTS: Montevideo, Uruguay - Recife, Brazil

DATES: 18 April - 22 May 1990

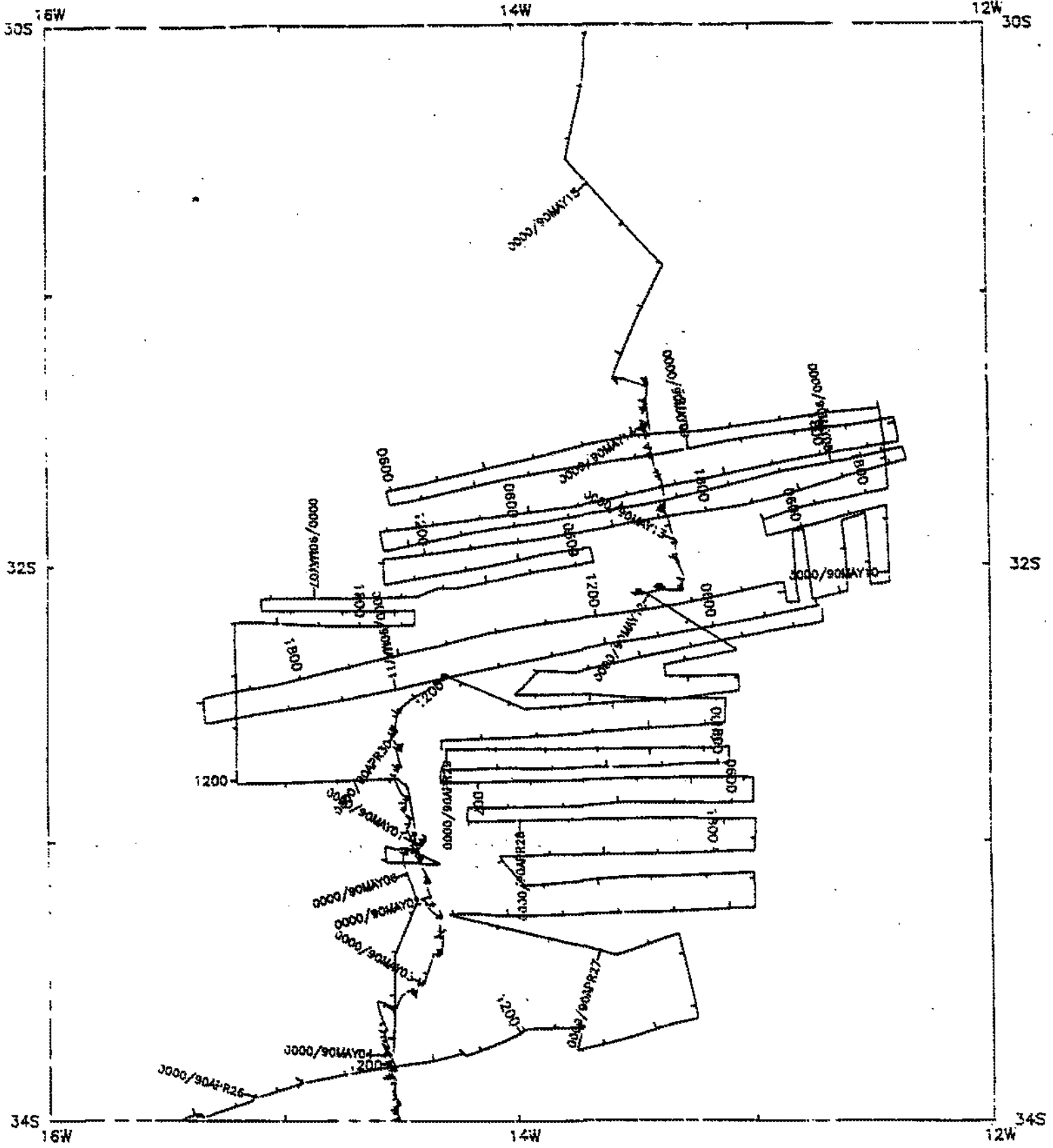
SHIP: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 6759 miles
- 2) Bathymetry - 6474 miles
- 3) Magnetics - 5959 miles
- 4) Seismic Reflection - none collected
- 5) Gravity - 6759 miles
- 6) Sea Beam - 6474 miles

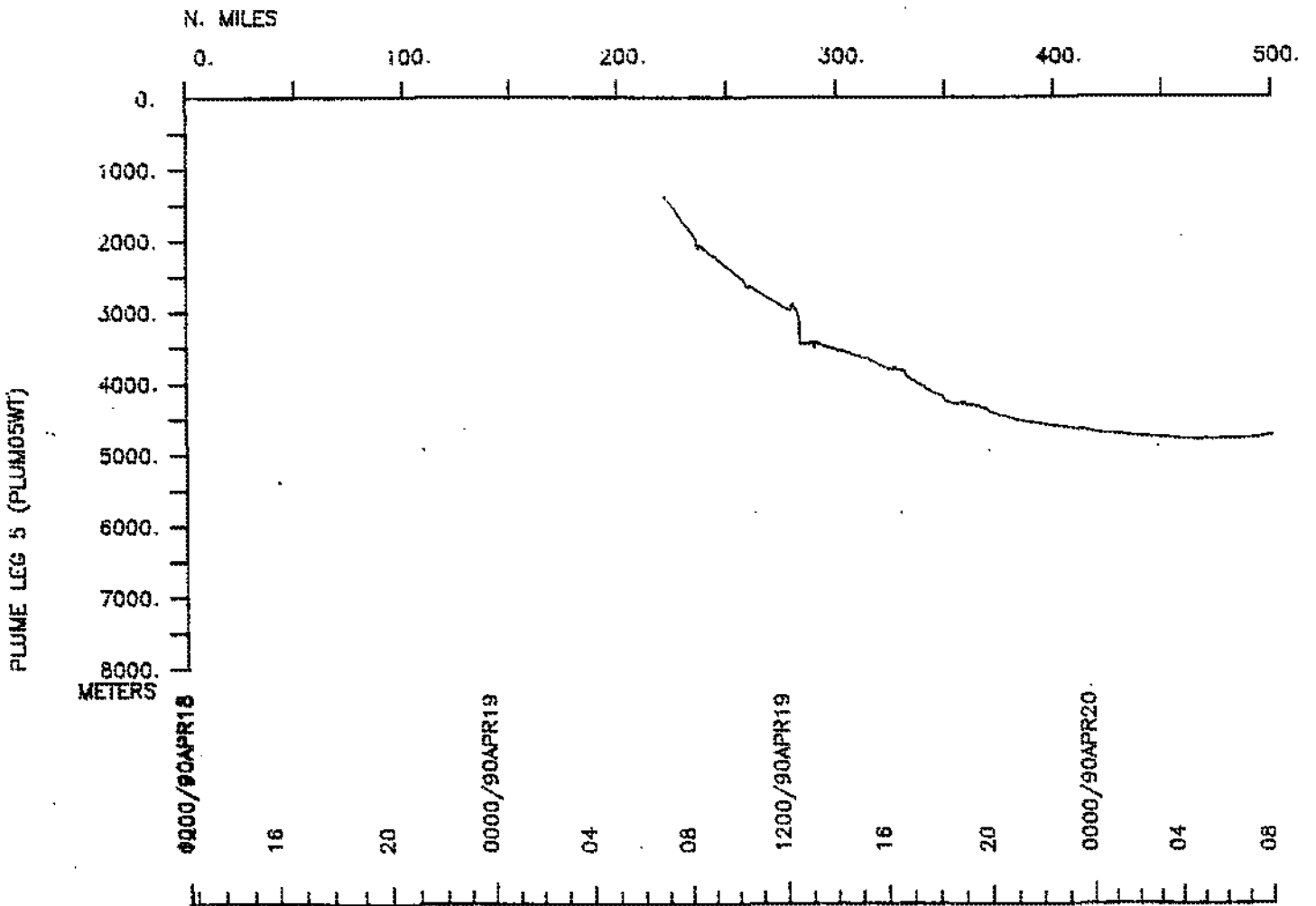
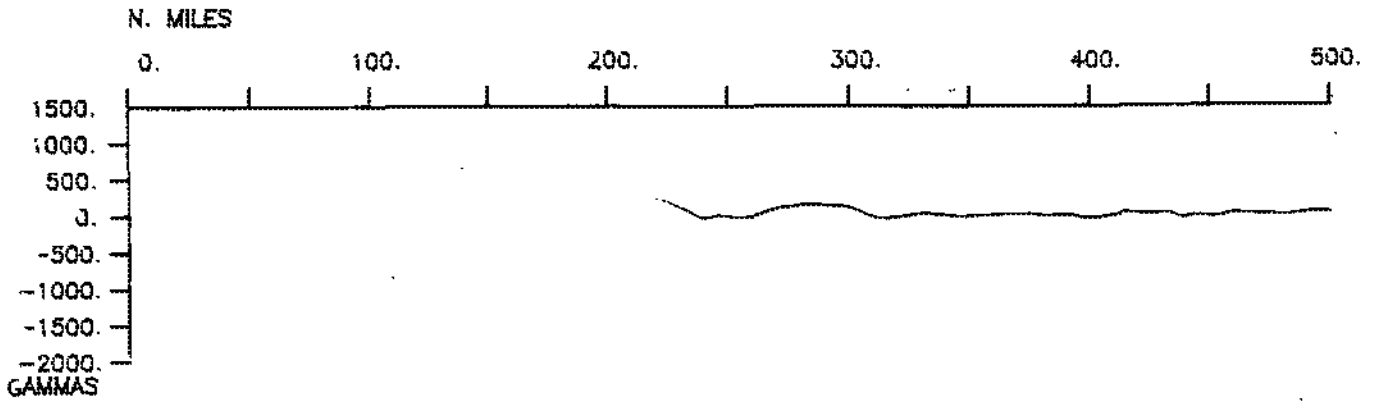
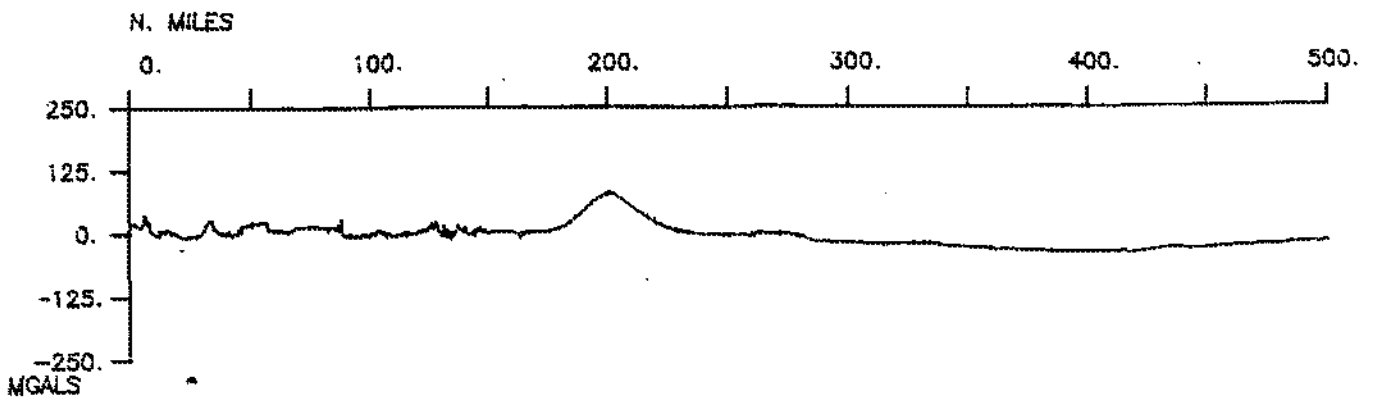


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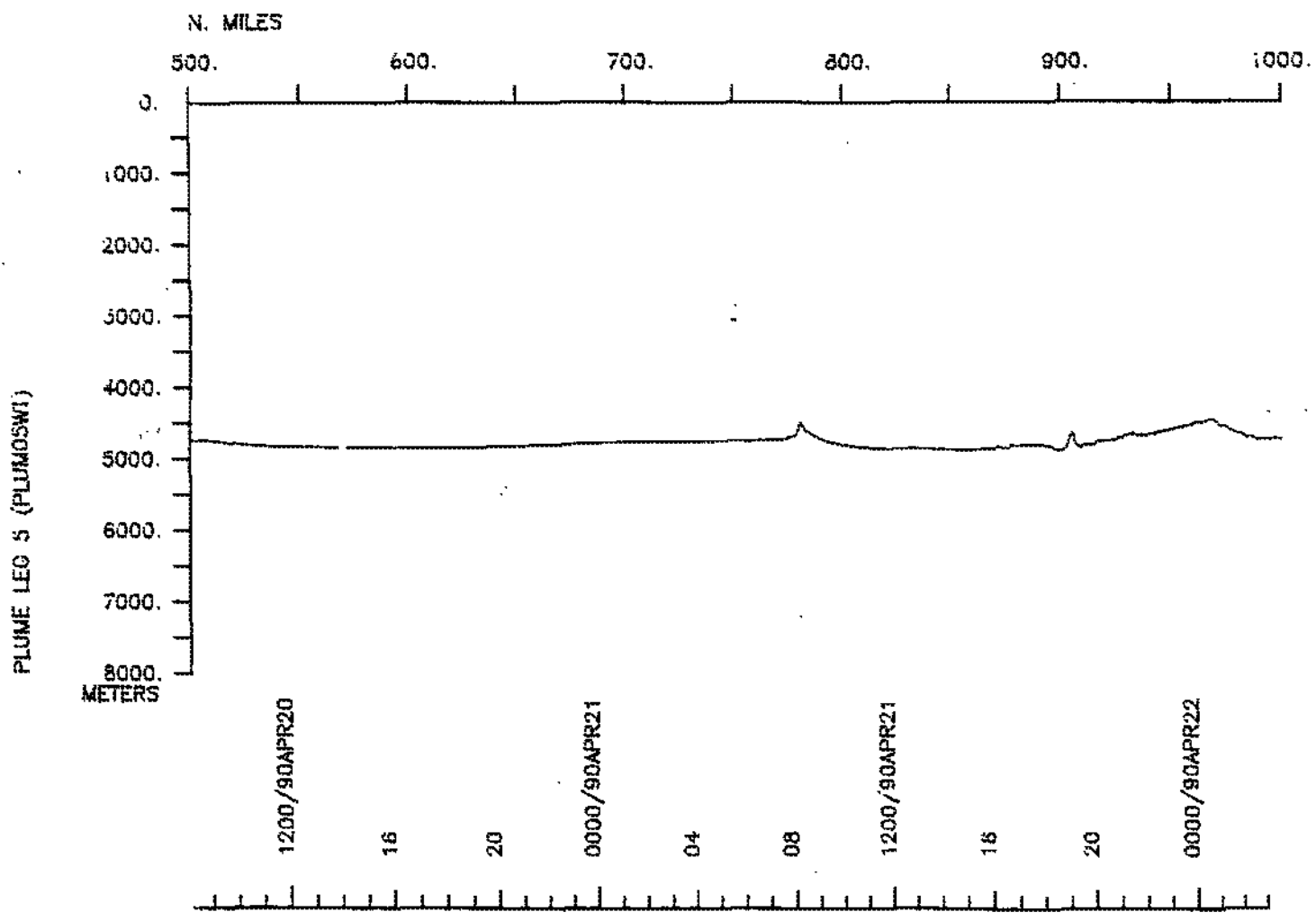
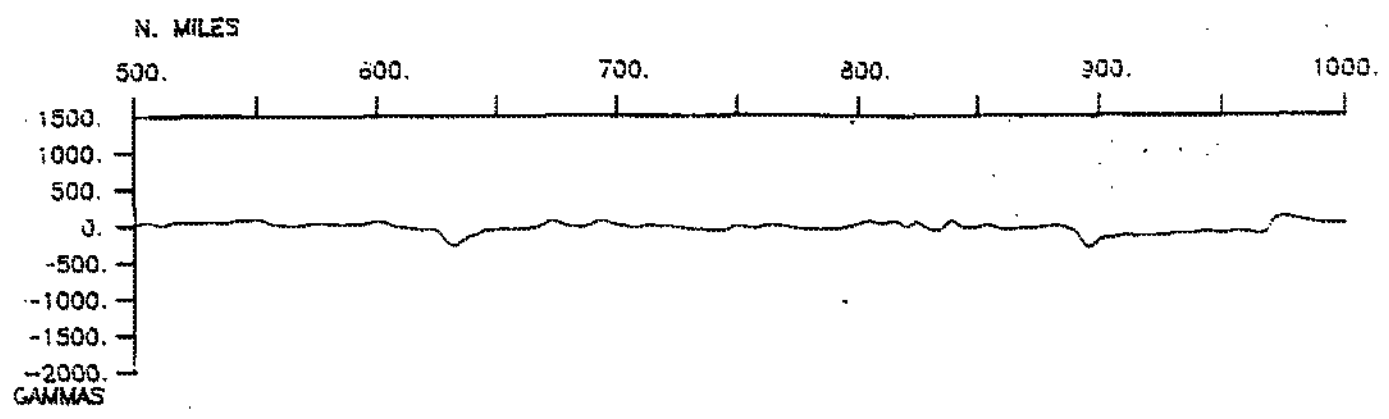
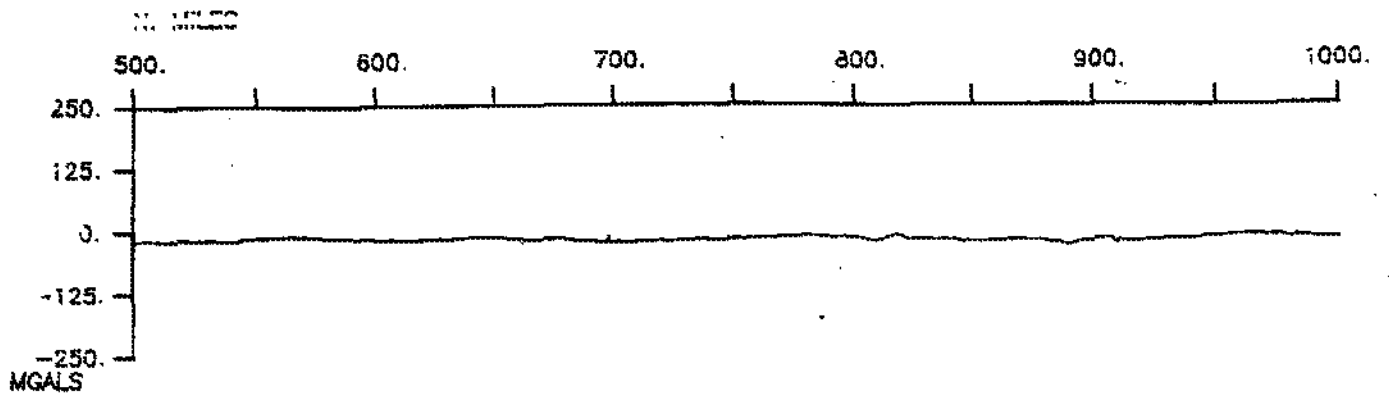


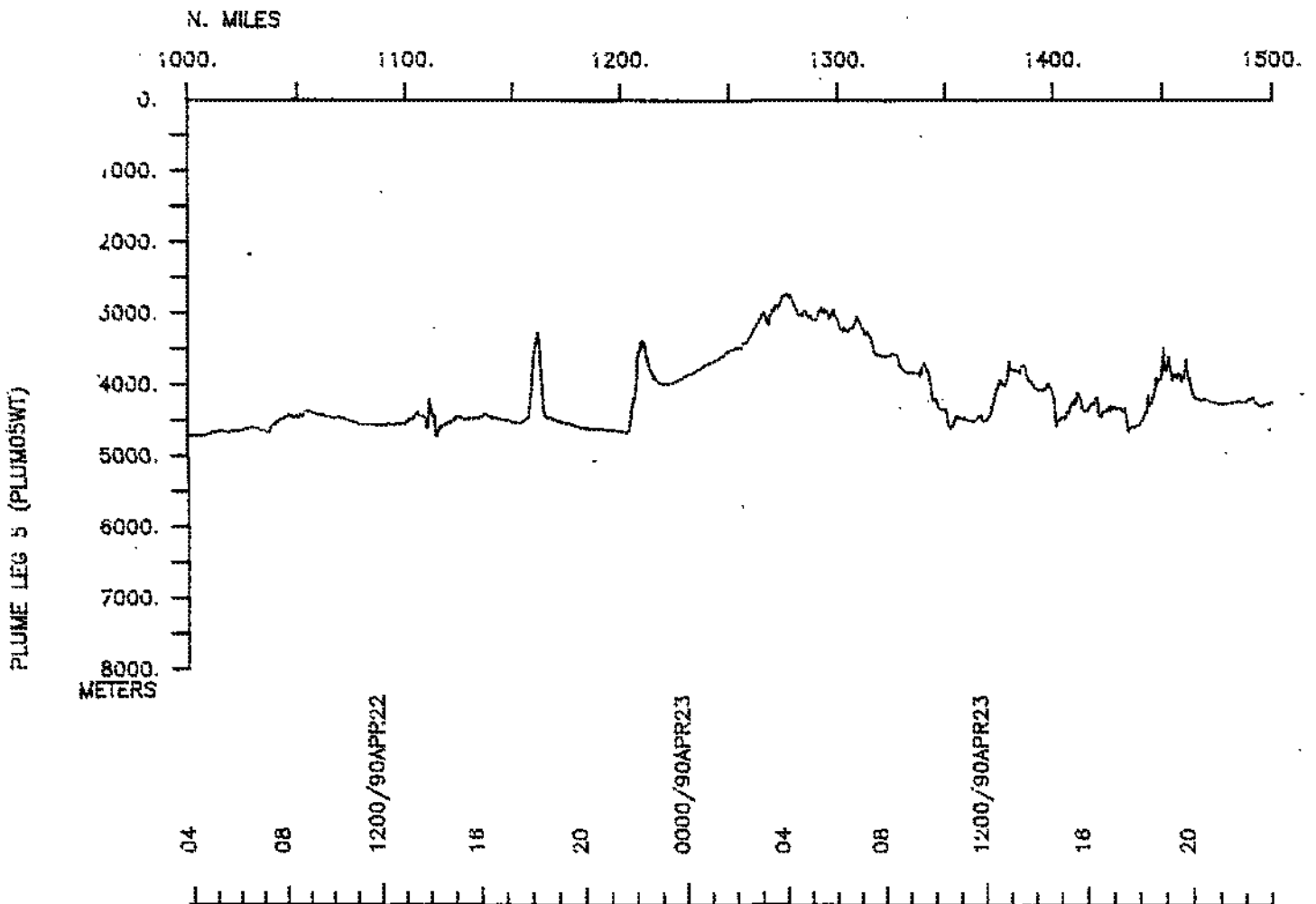
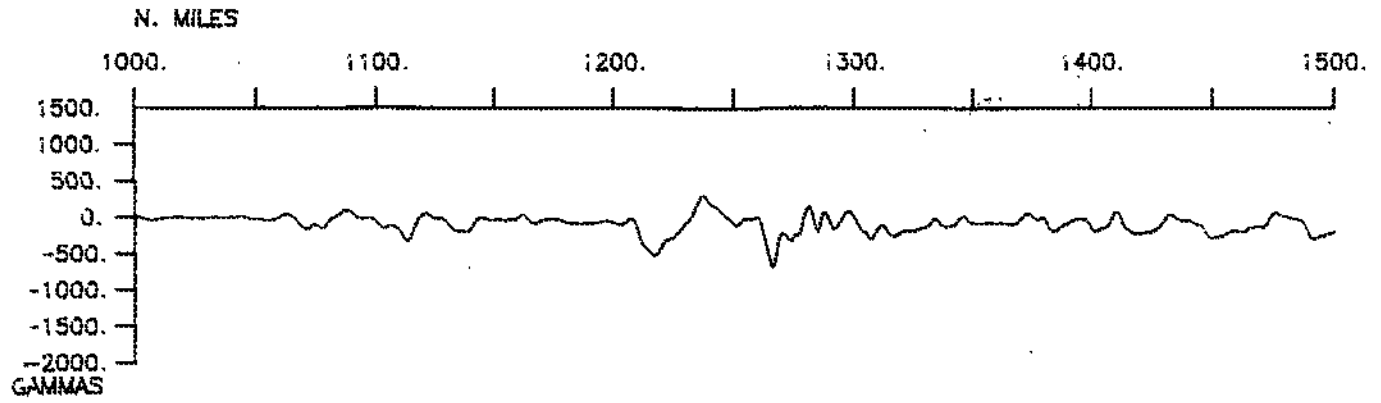
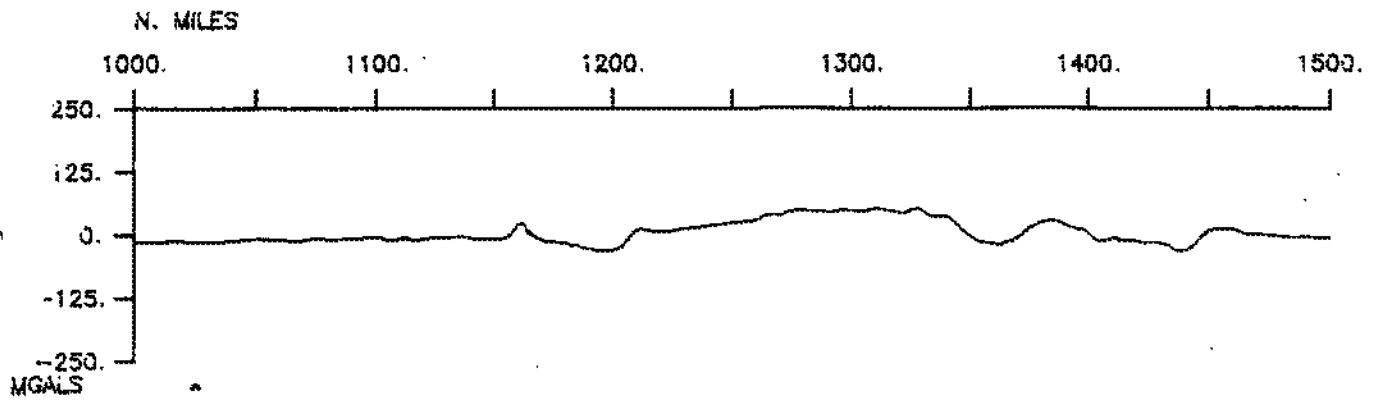
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 (Survey area)

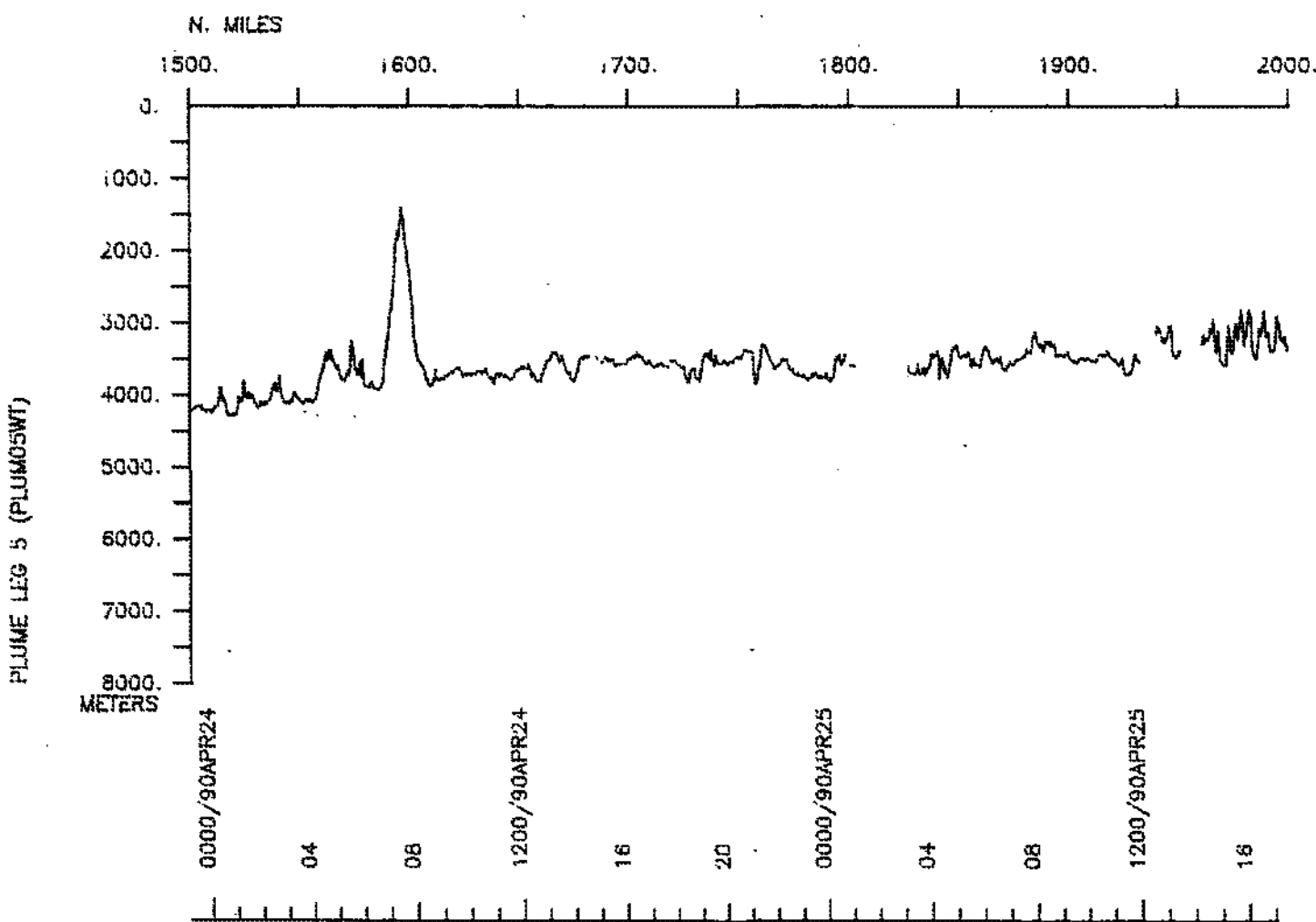
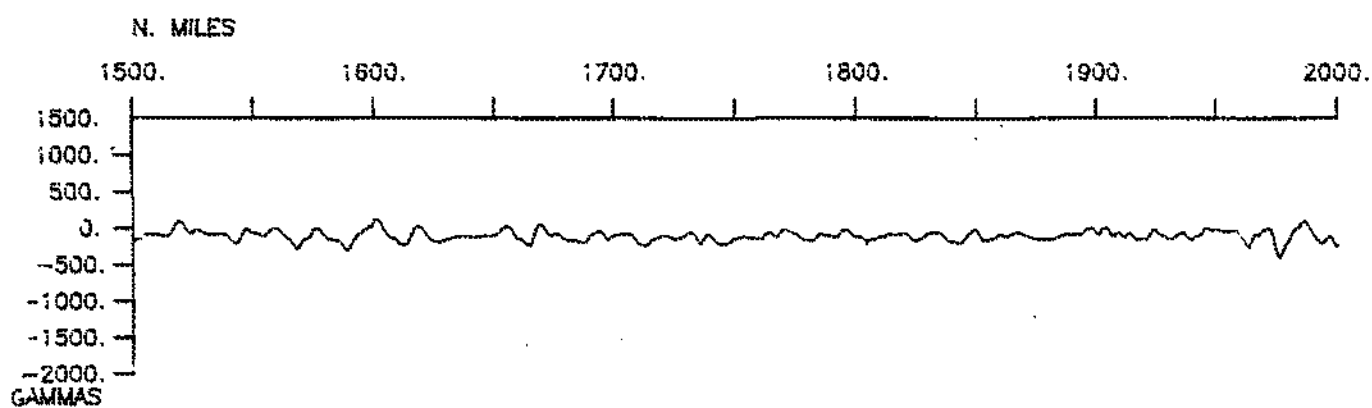
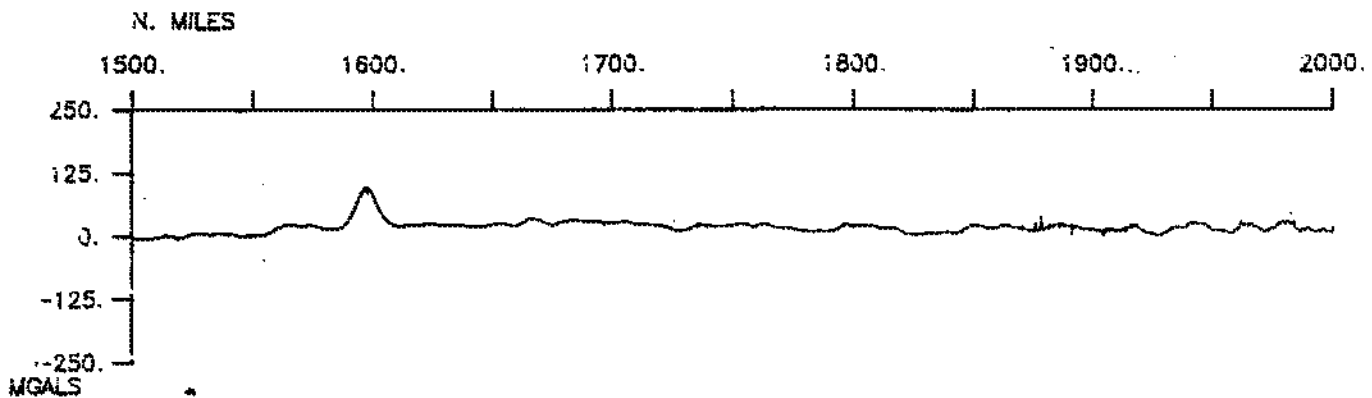
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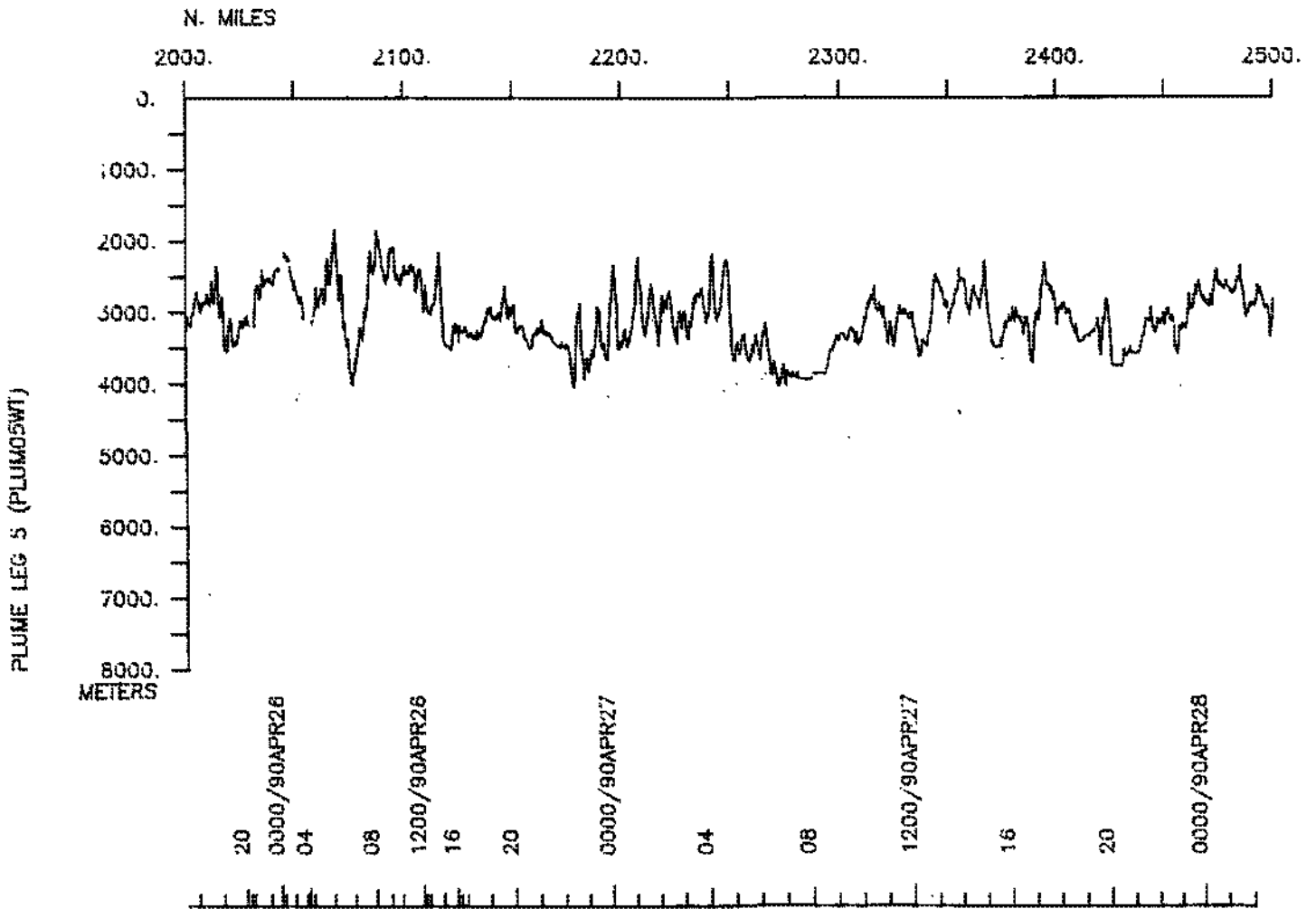
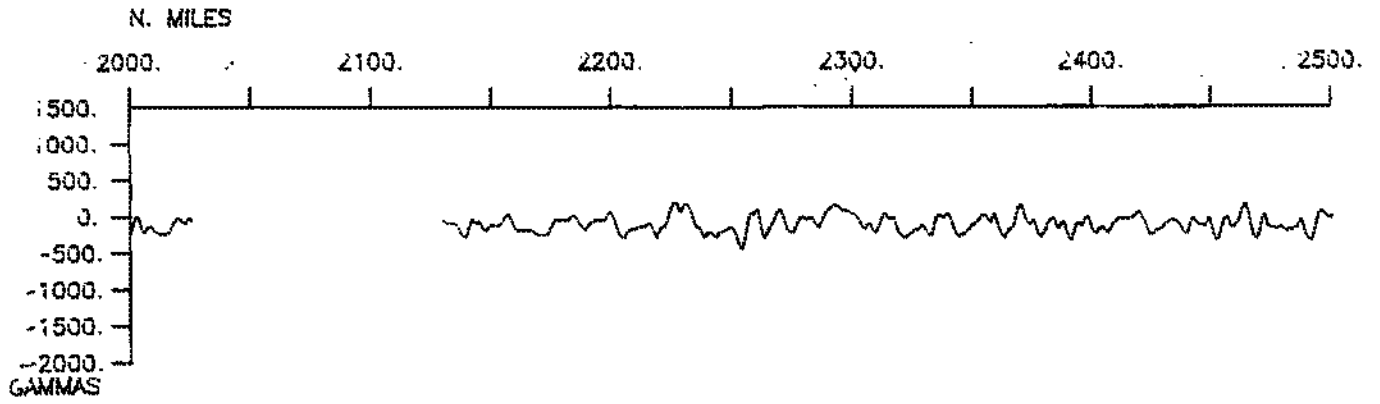
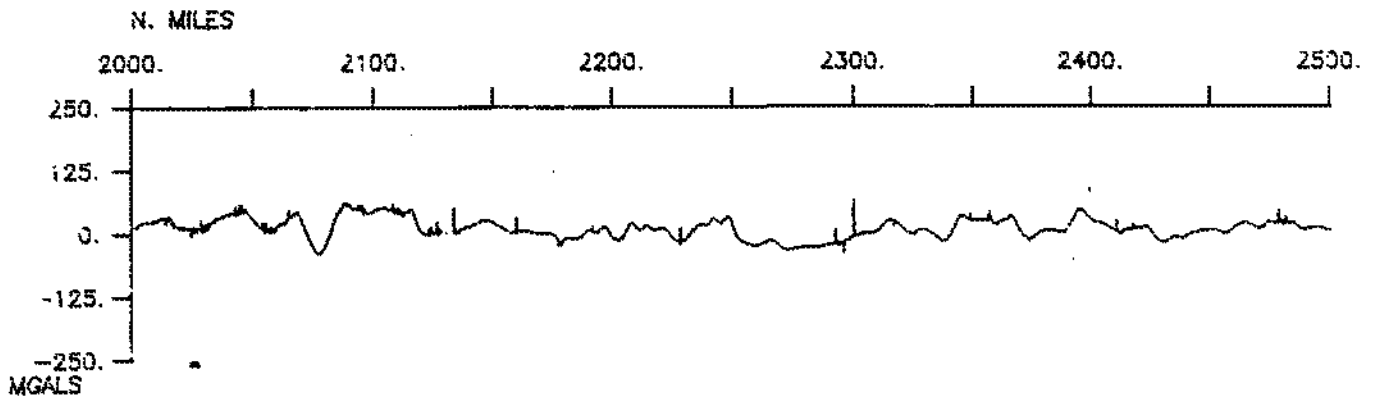


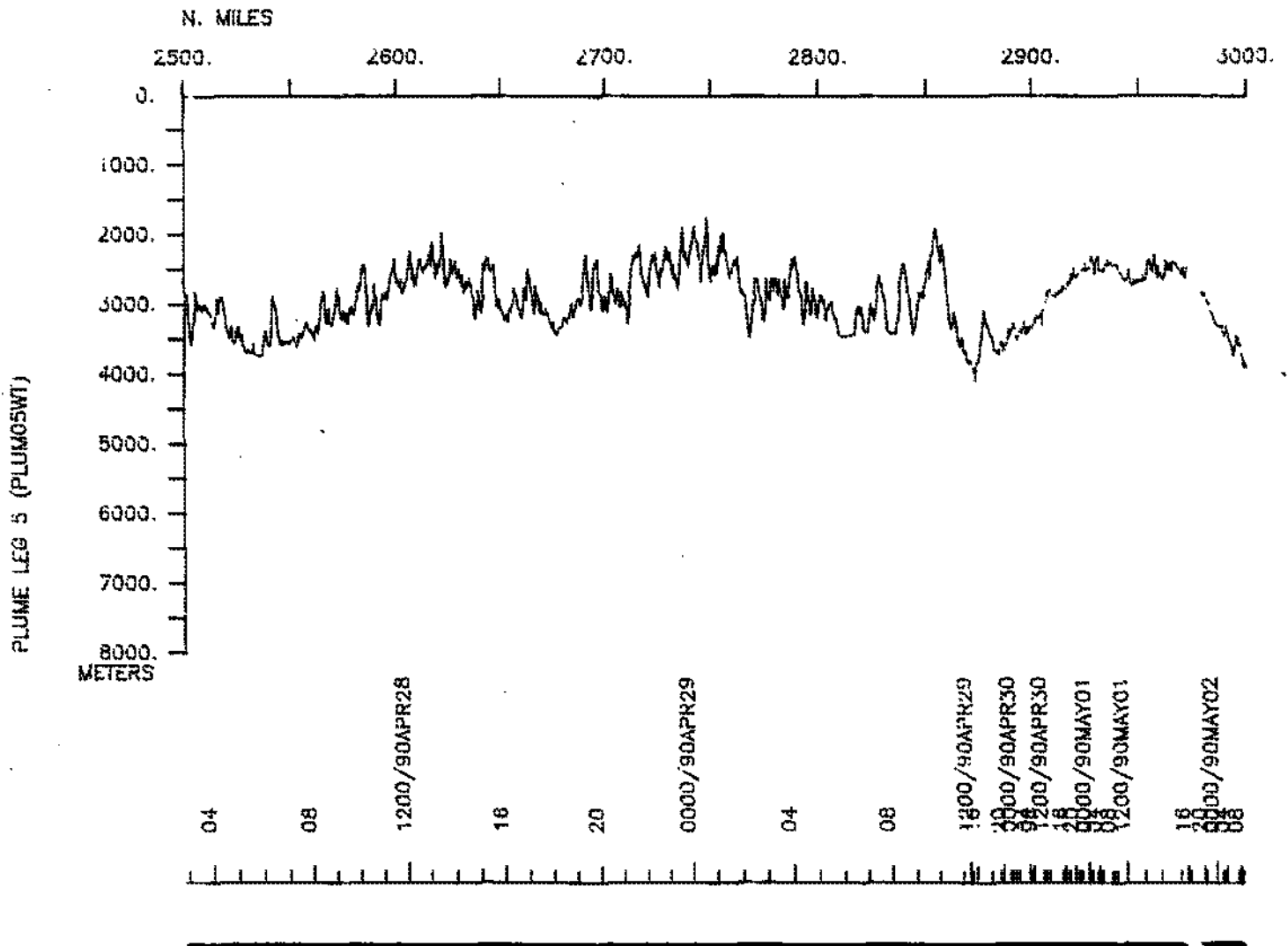
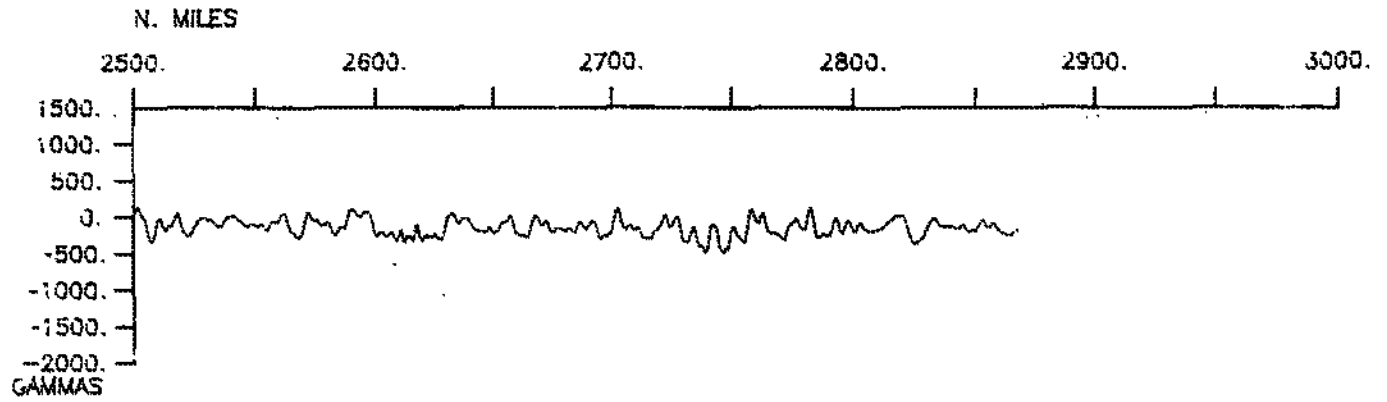
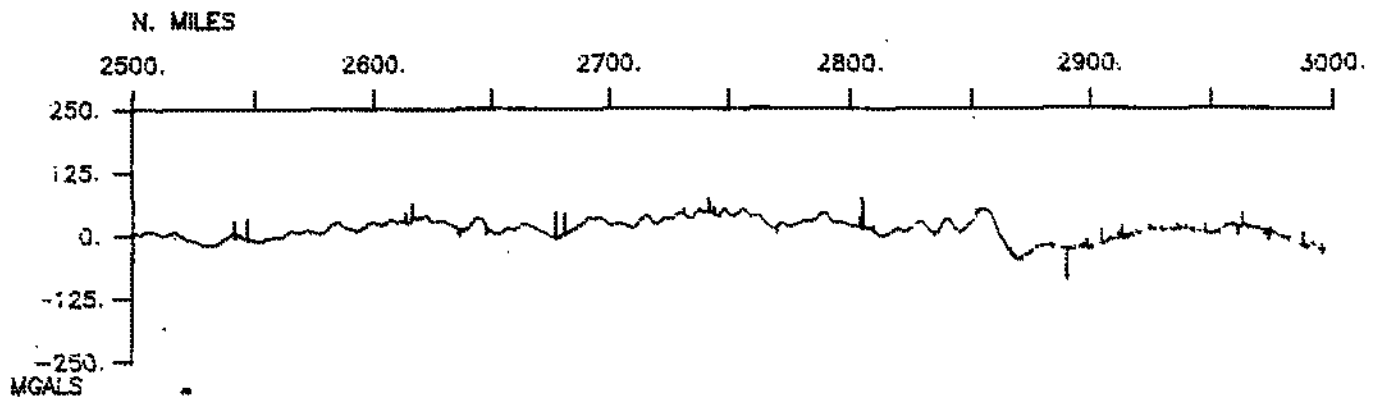
SEABEAM

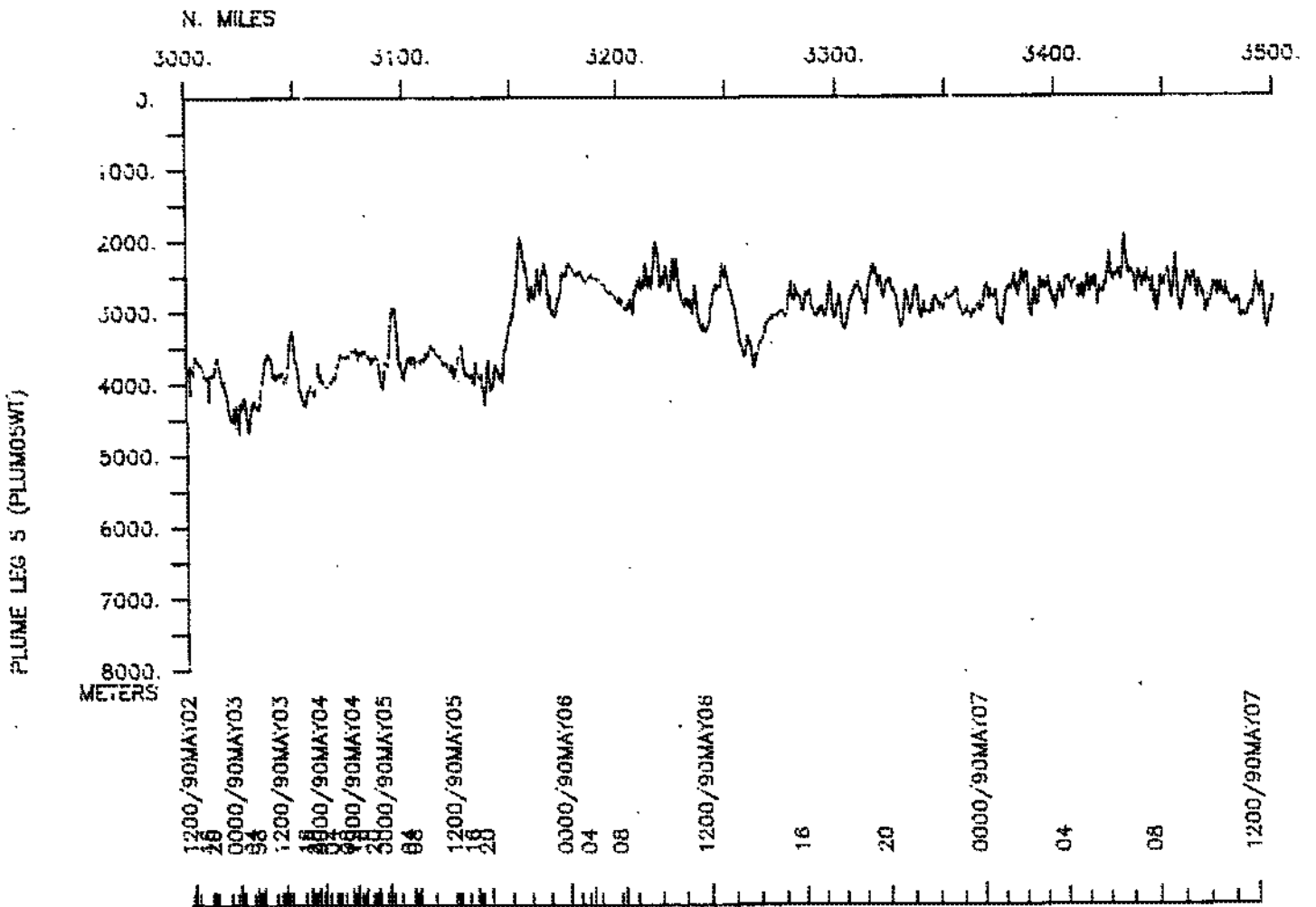
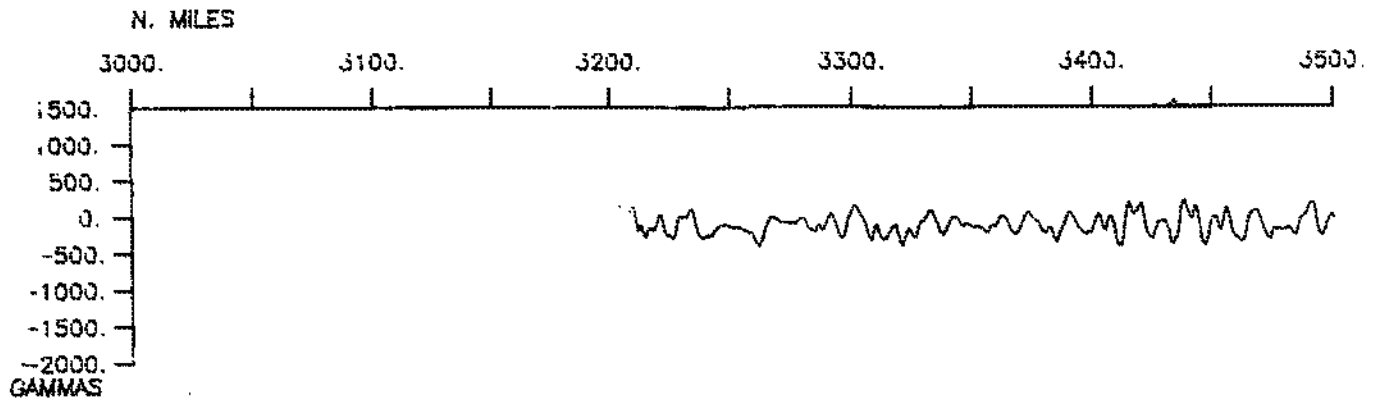
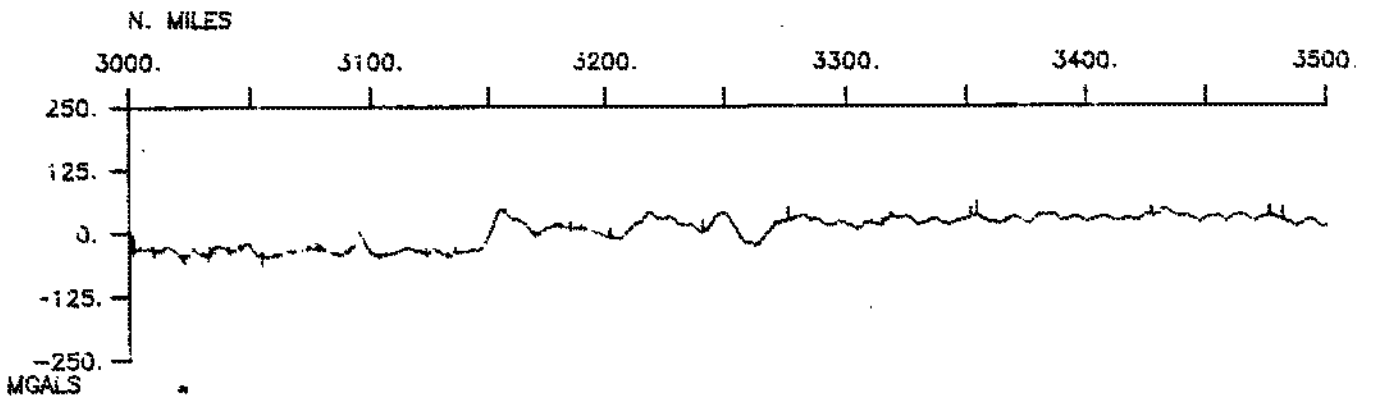


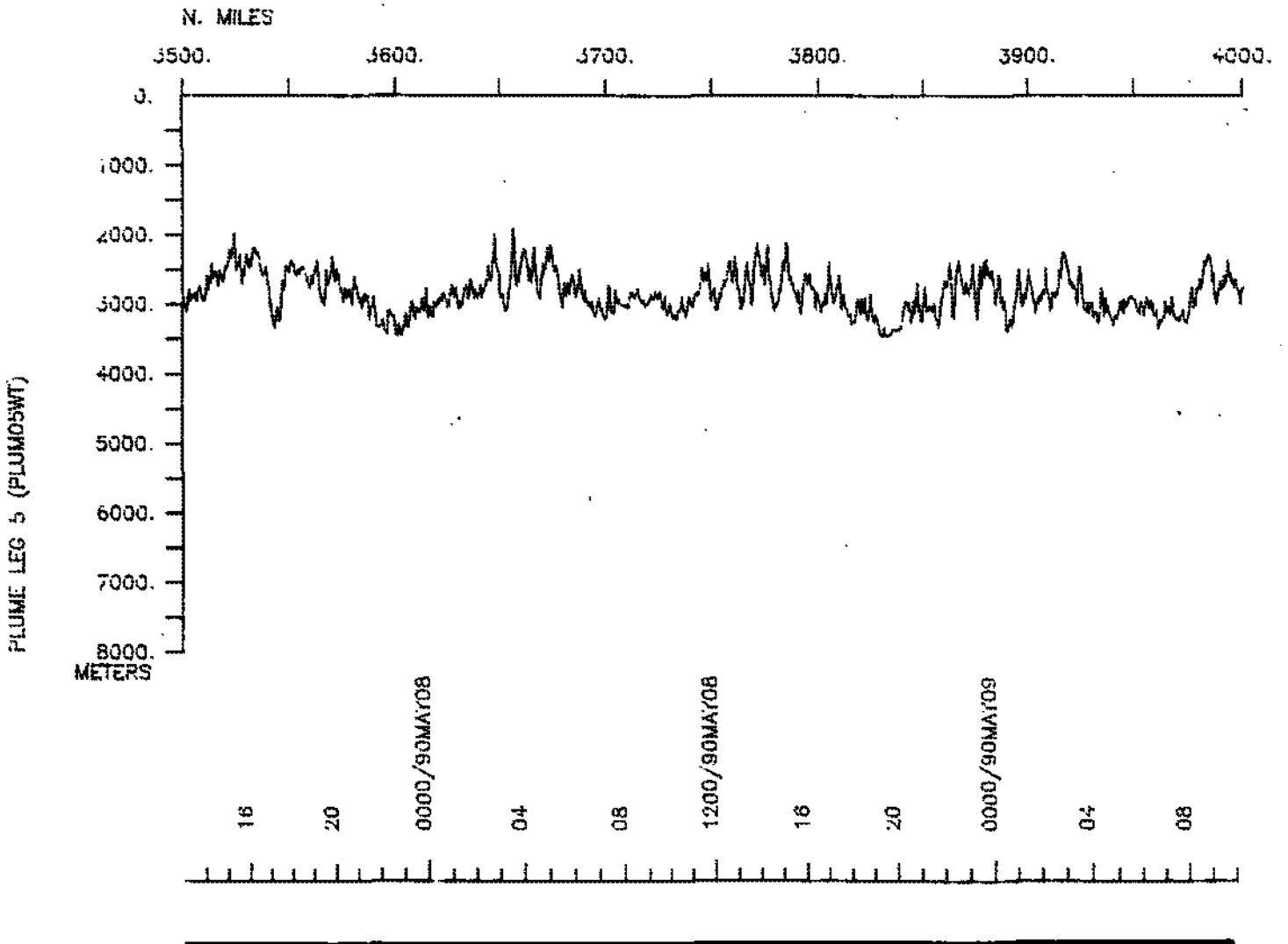
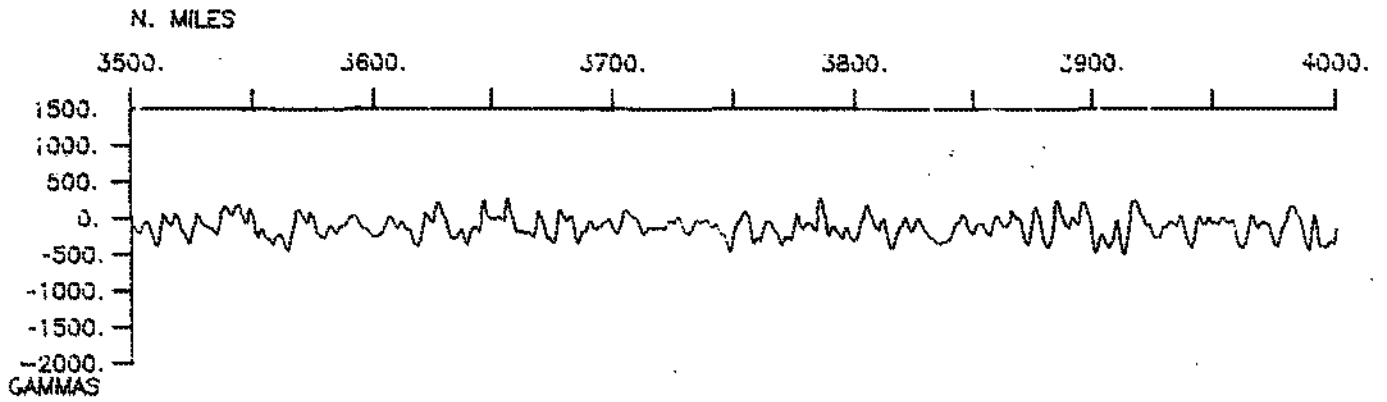
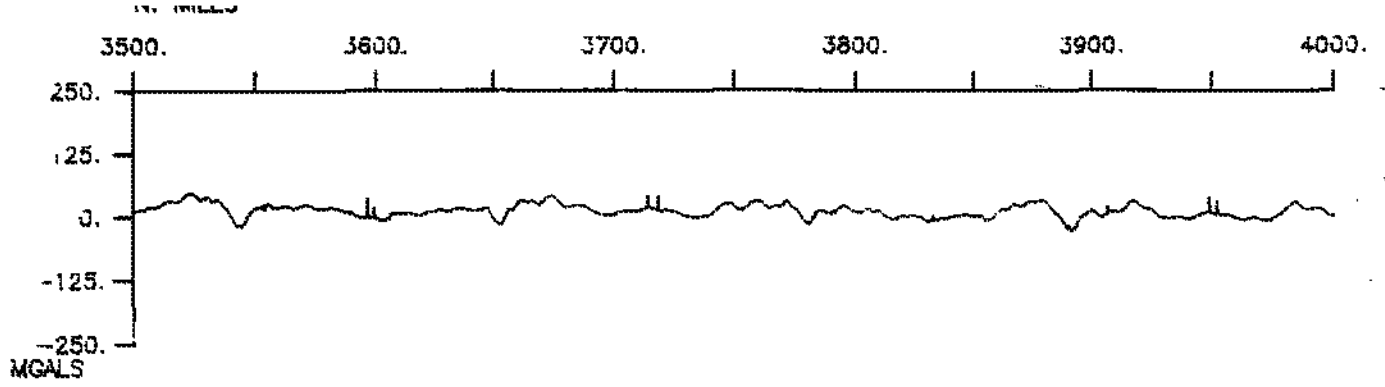


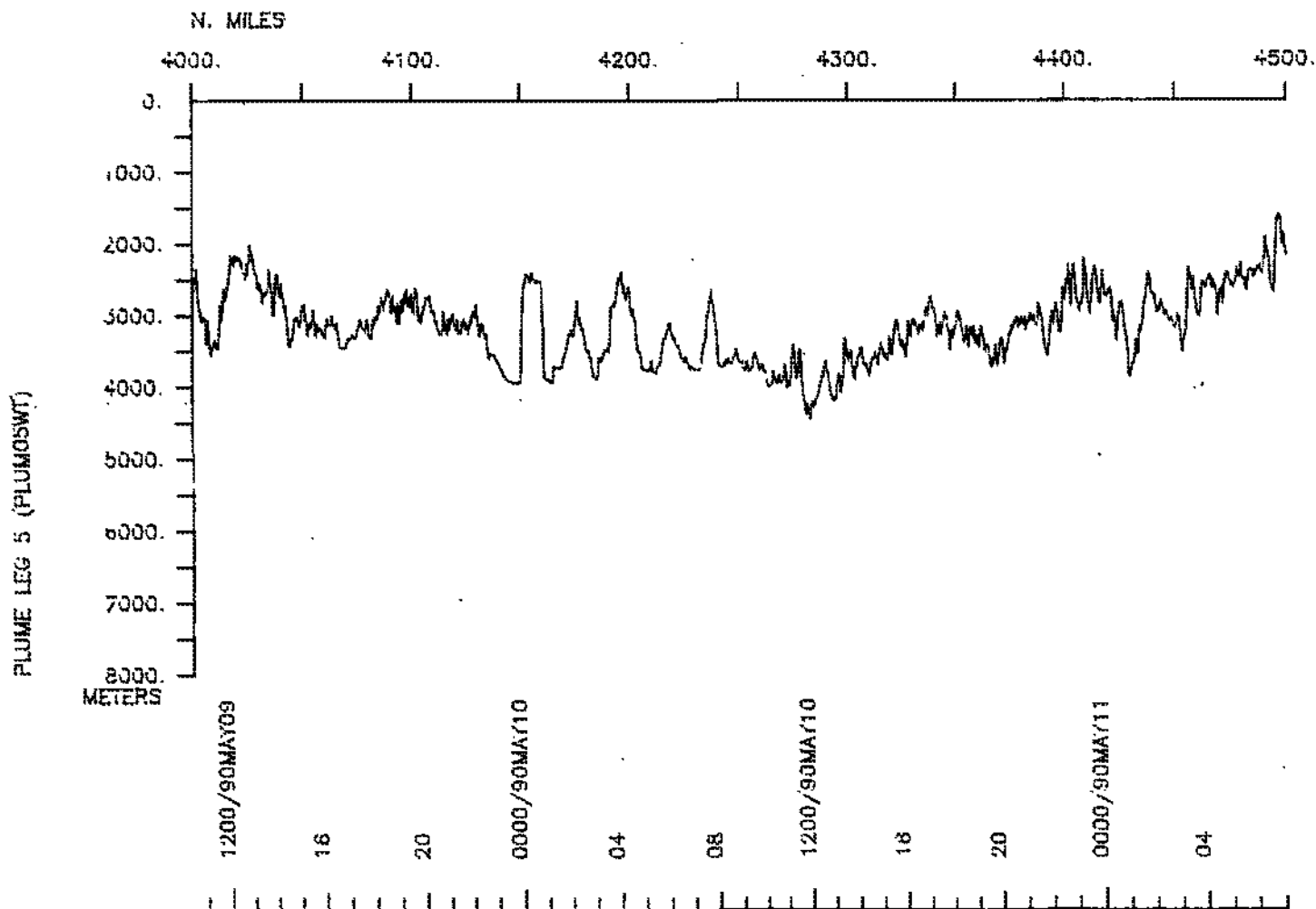
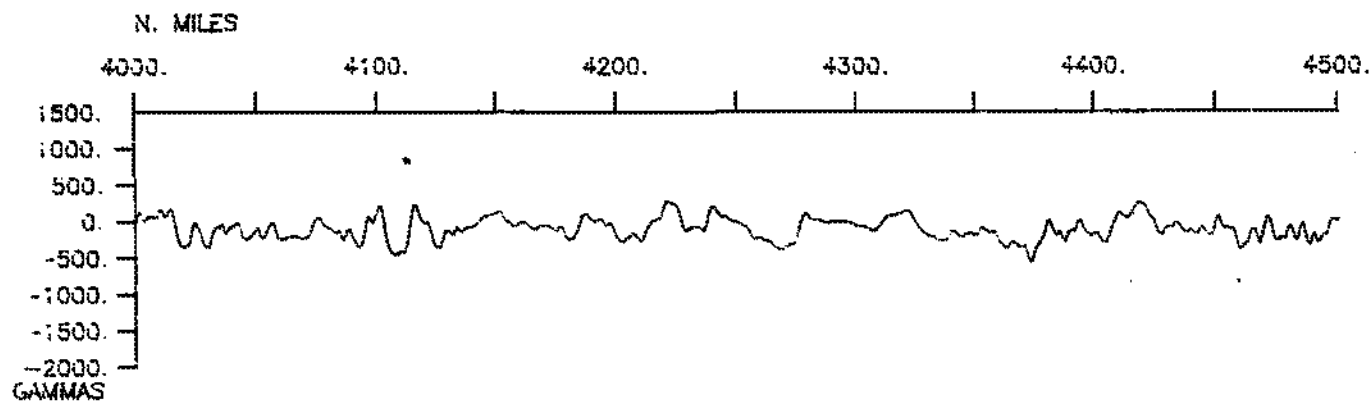
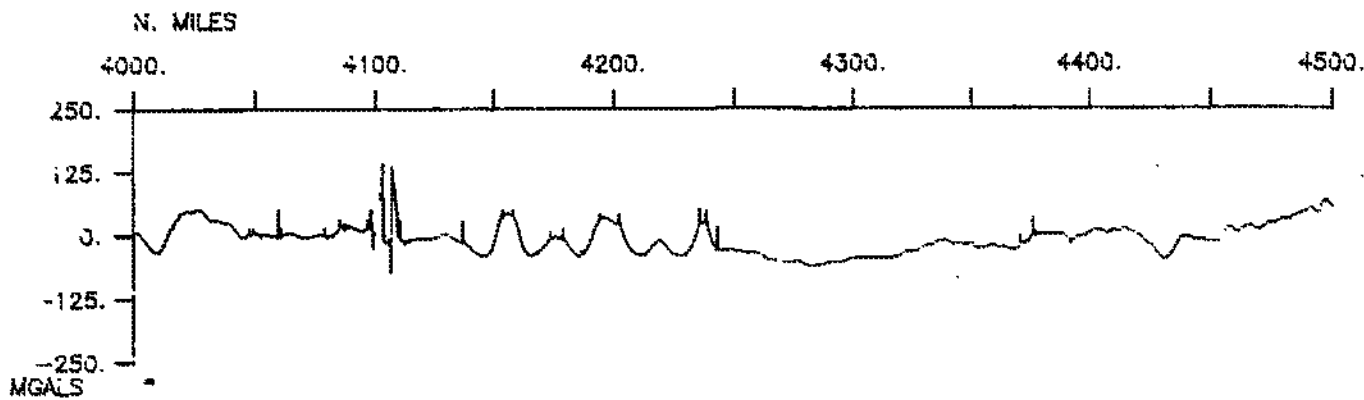


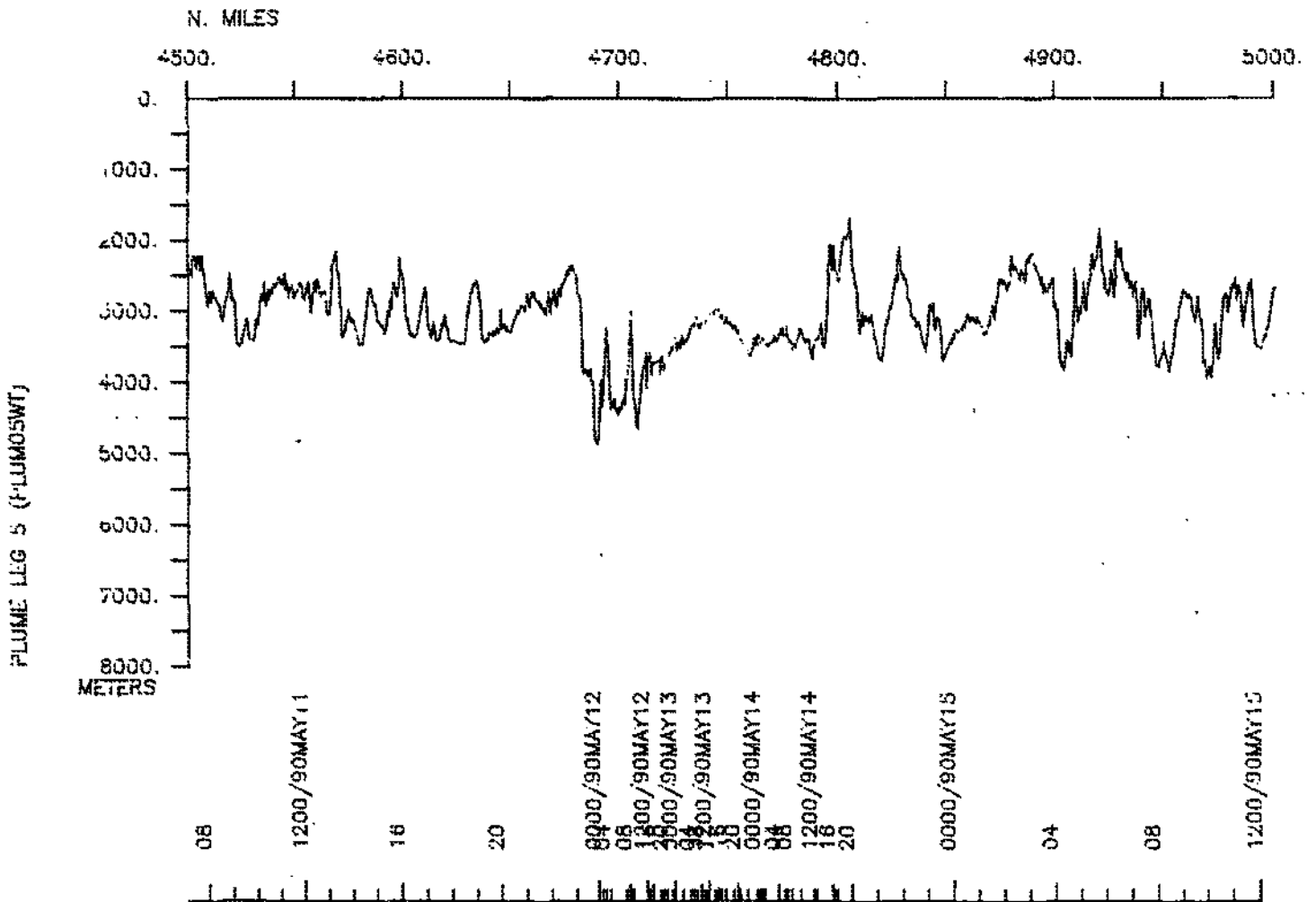
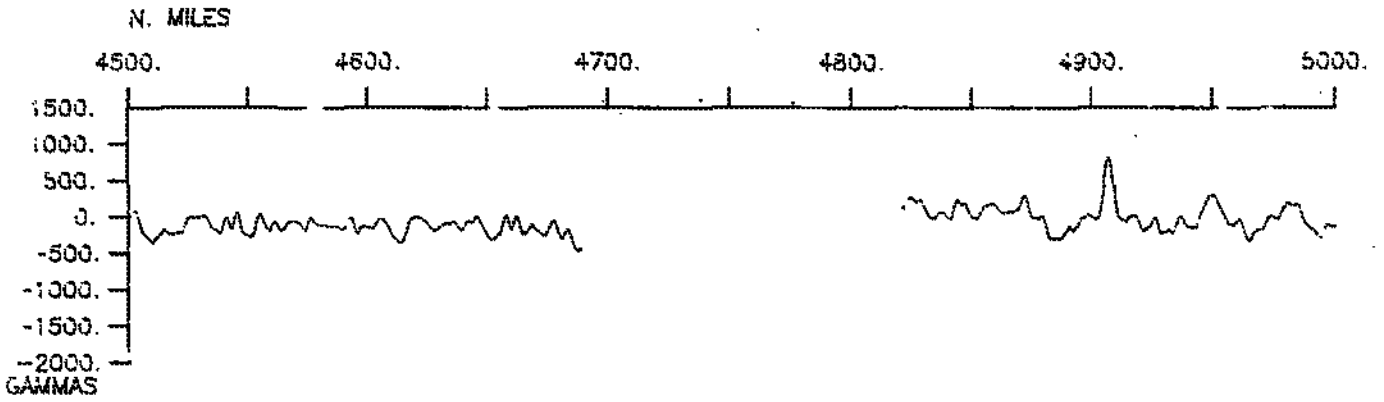
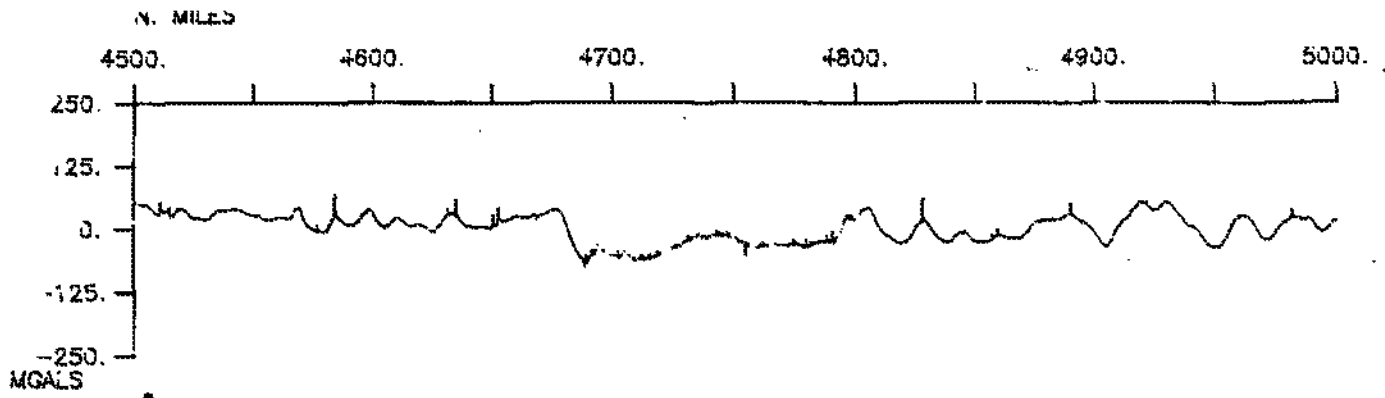


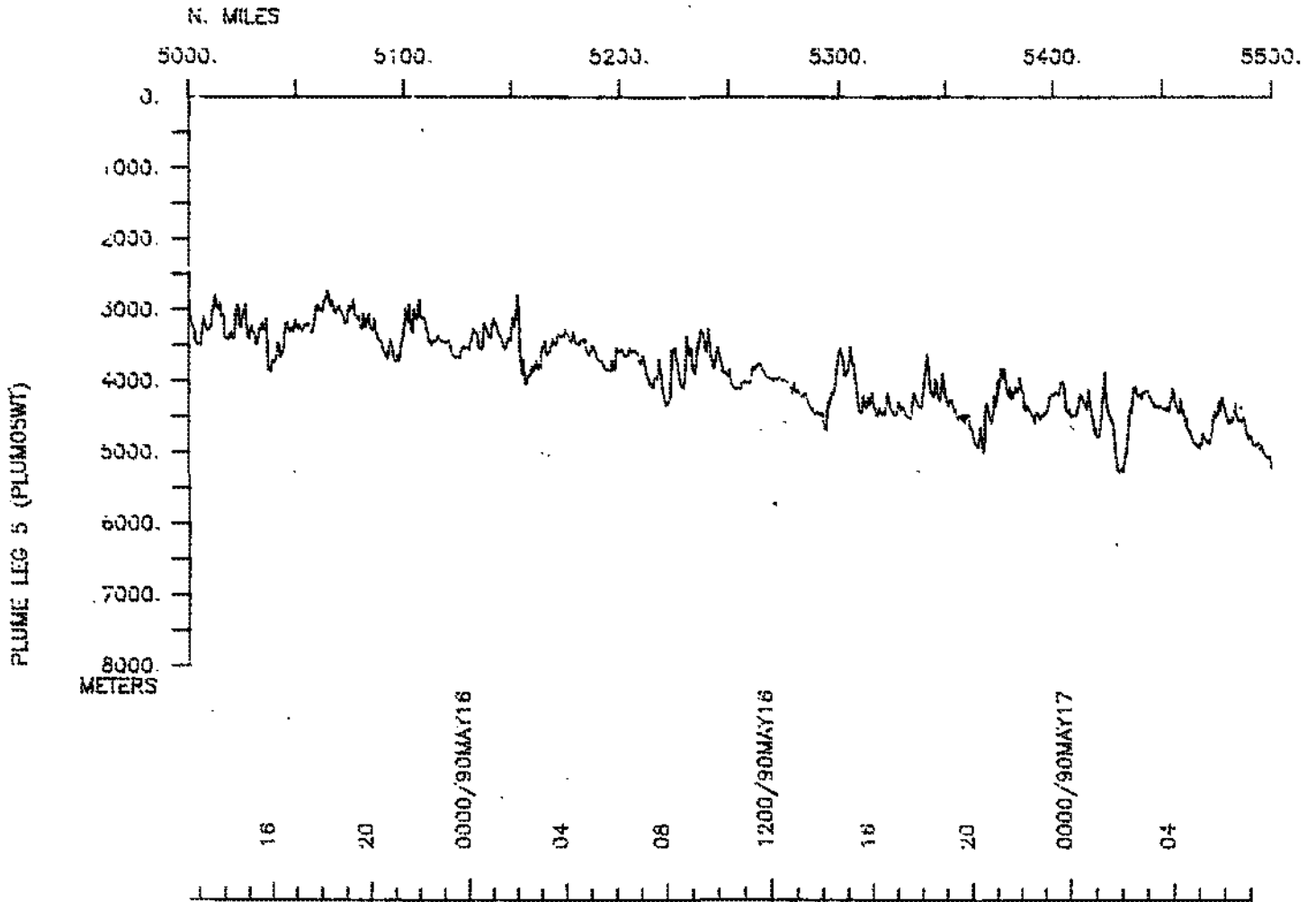
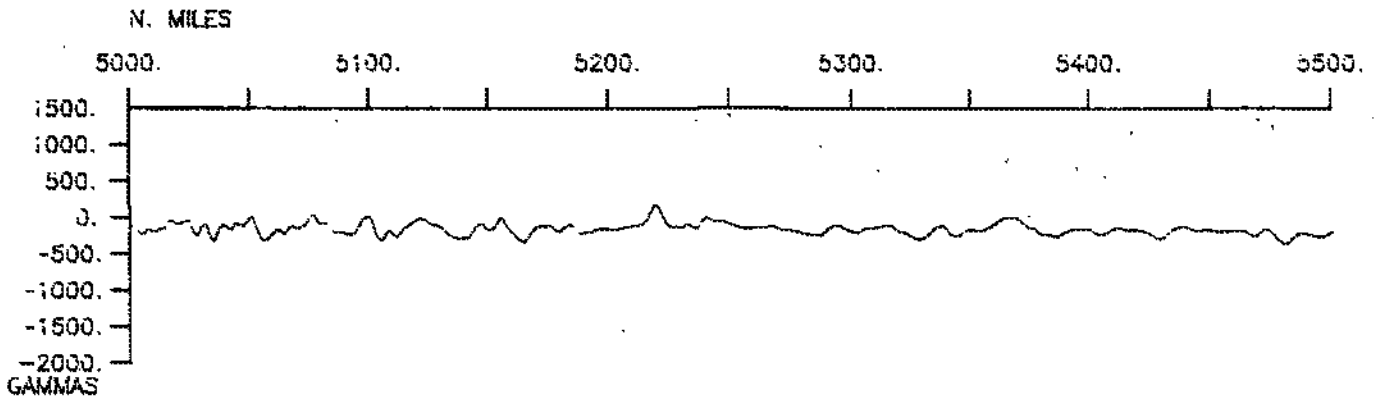
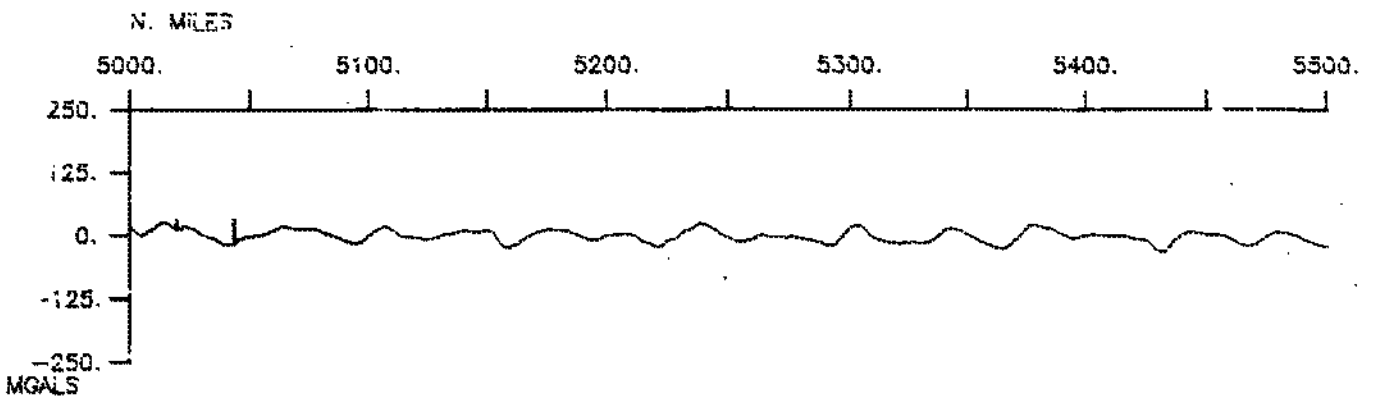


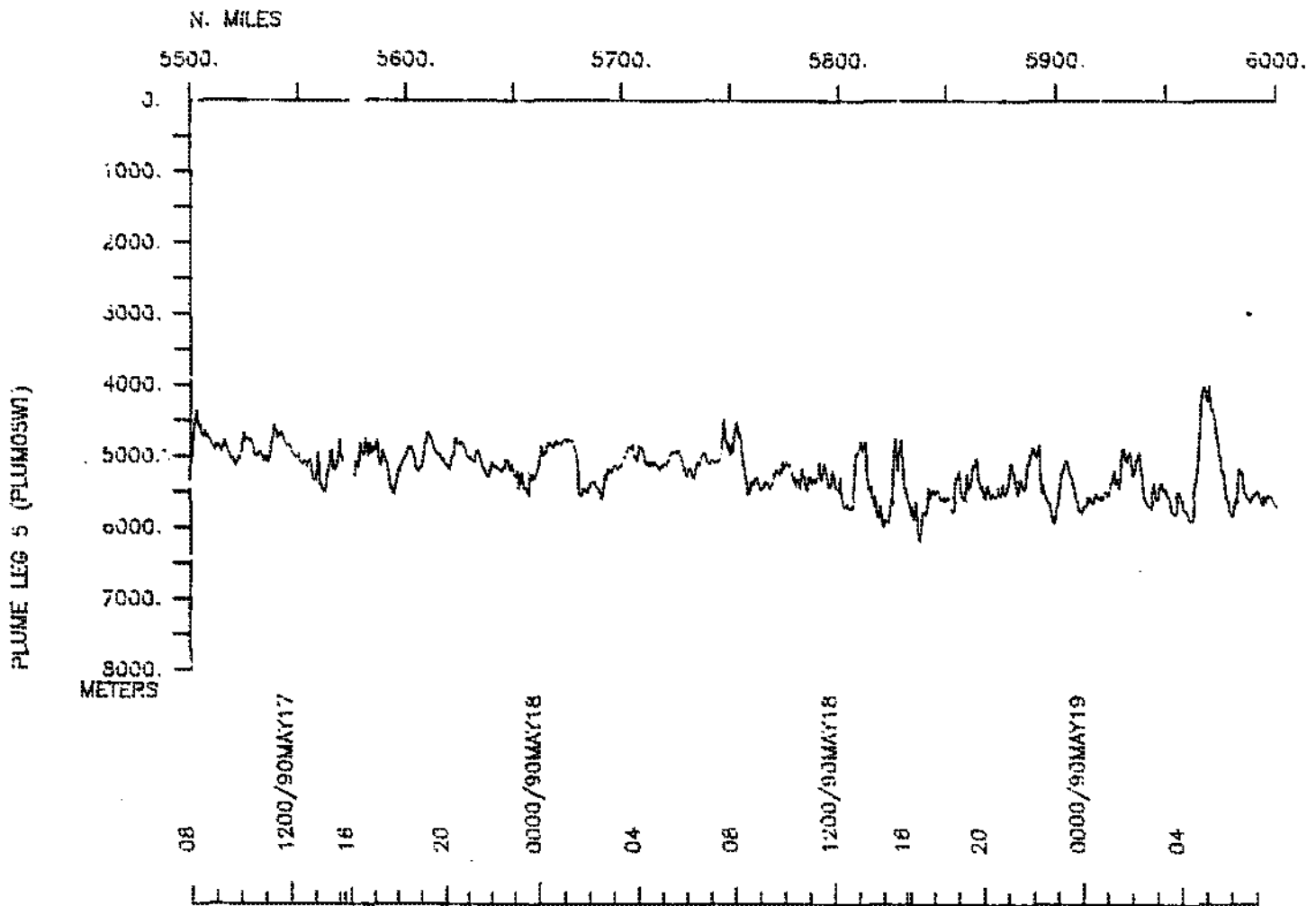
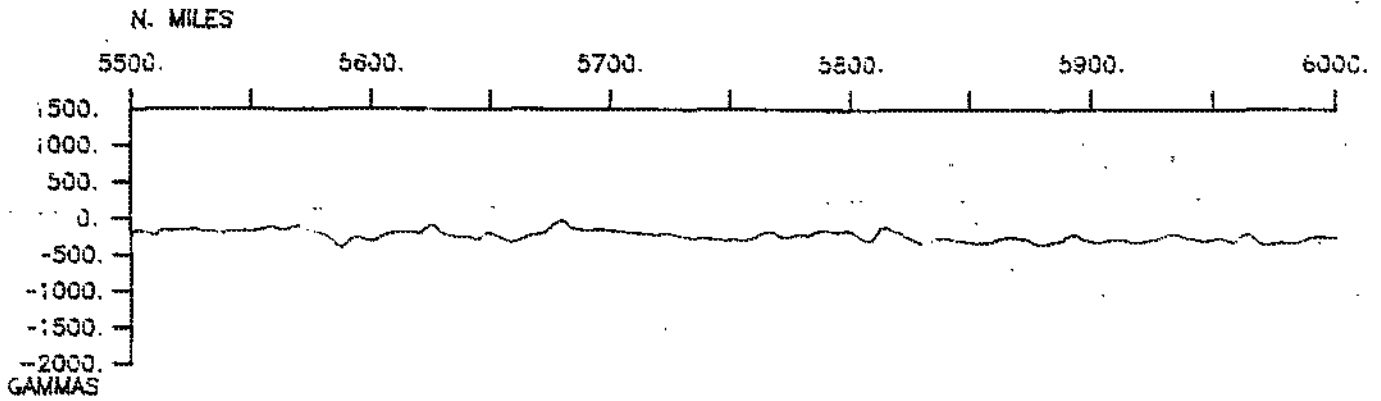
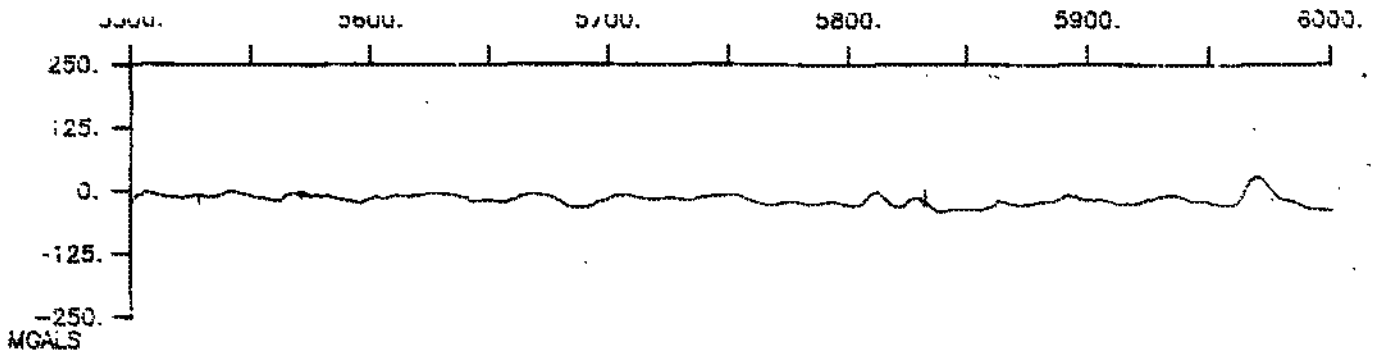


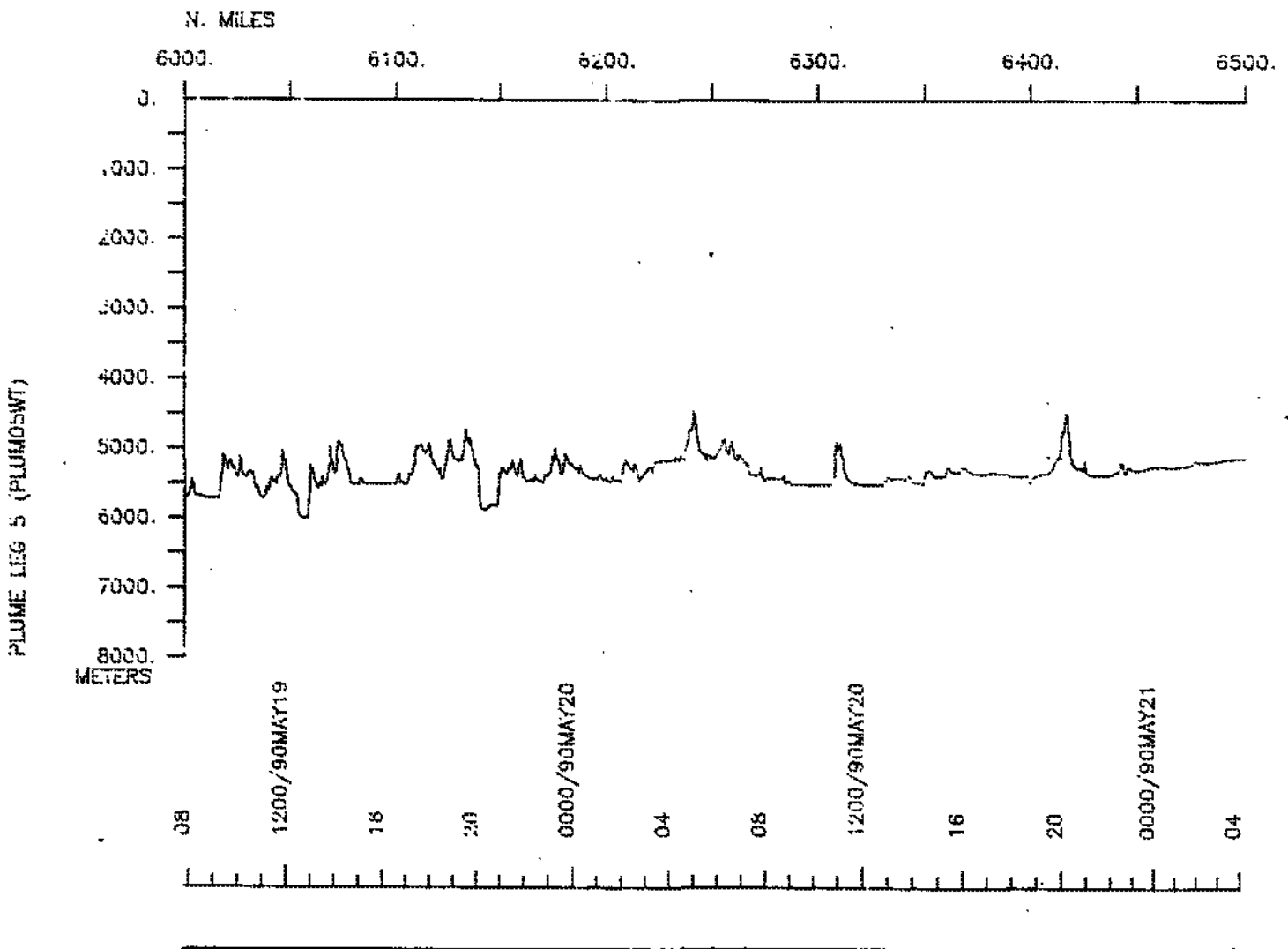
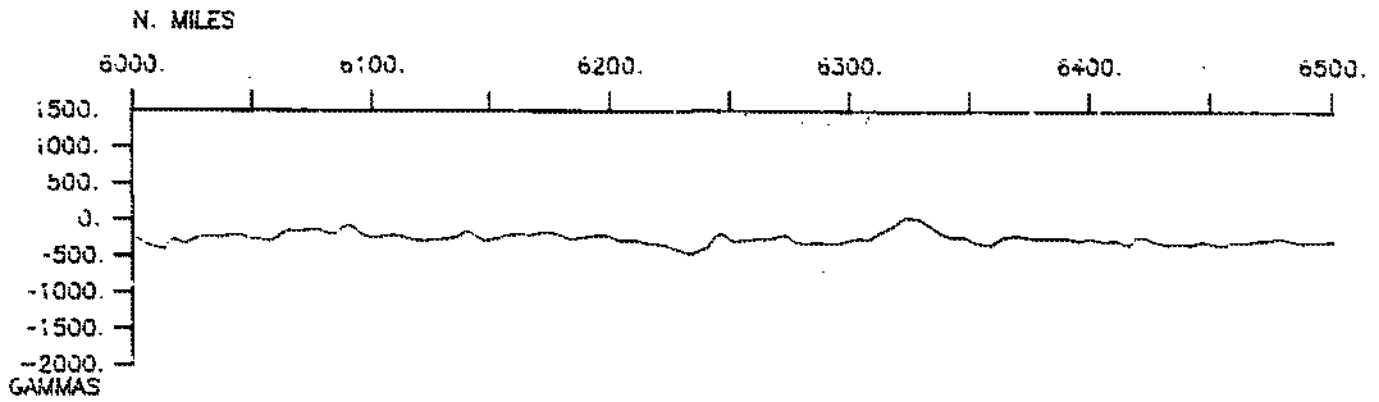
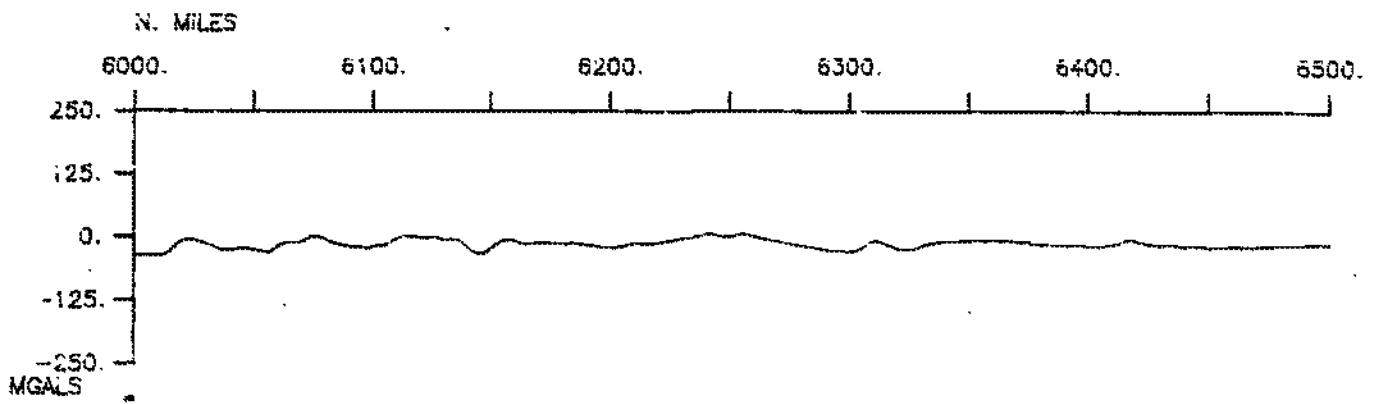


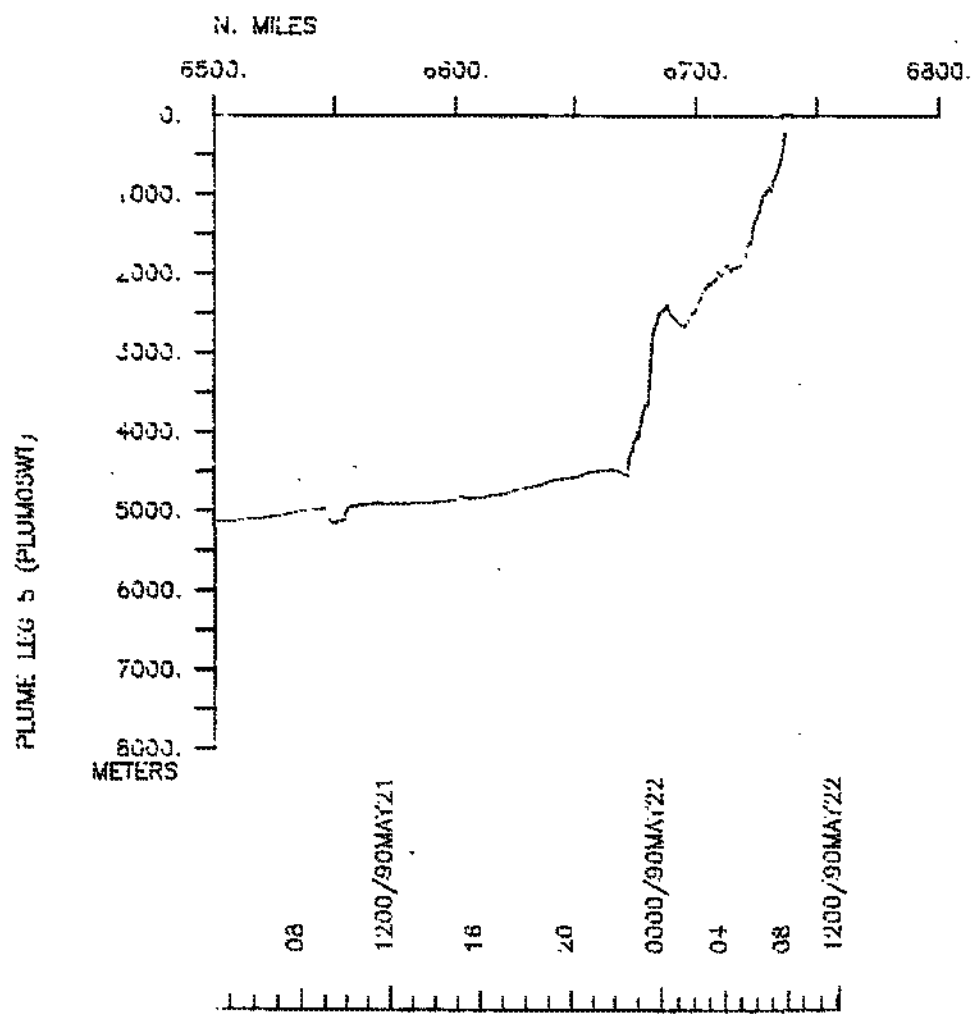
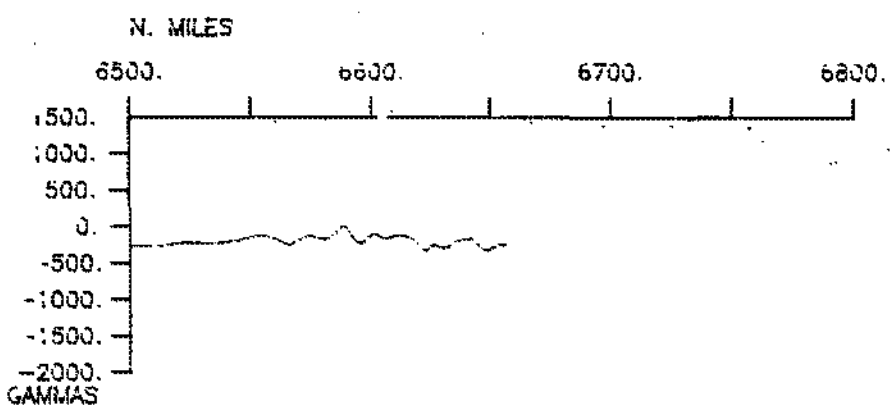
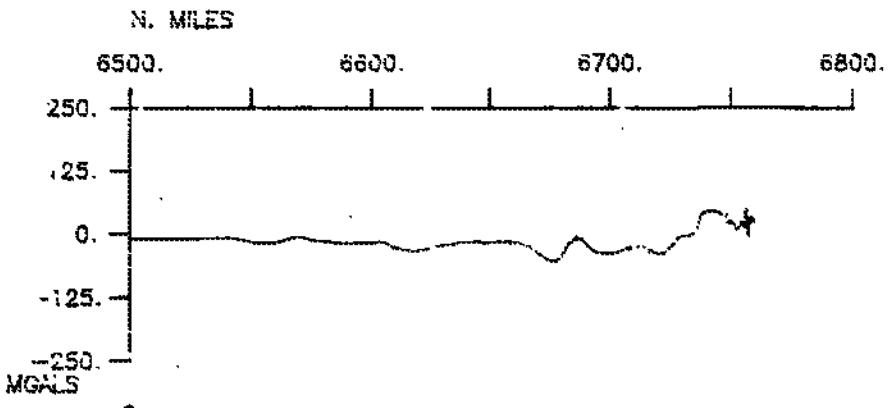












S.I.O. SAMPLE INDEX

(Issued July 1990)

PLUME EXPEDITION

R/V T. Washington

Leg 5

Montevideo, Uruguay (18 April 1990)
to
Recife, Brazil (22 May 1990)

Co-Chief Scientists:

P. Michael (University of Tulsa, Oklahoma)

J. Fox (University of Rhode Island)

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 marine 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 lines. Disposition and sample type are represented by three and four character codes to permit further computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

**** PORTS ***

1230 180490	LGPT B MONTEVIDEO, URUGUAY	34-54 S	56-13 W	fPLUM05WT
1117 220590	LGPT E RECIFE, BRAZIL	8-04 S	34-53 W	fPLUM05WT

****PERSONNEL****

	NAME	***TITLE***	***AFFILIATION***	**CRID**
PECS URI	FOX, DR. J.	CHIEF SCIENTIST	UNIV. OF RHODE ISLAND	PLUM05WT
PECS SIX	MICHAEL, DR. P.	CO-CHIEF SCI.	BROWN UNIVERSITY	PLUM05WT
PEVL VOL	IVEY, DR. T.	VOLUNTEER	UNIV. OF RHODE ISLAND	PLUM05WT
PERT STS	COMER, R. L.	RESIDENT TECH.	SCRIPPS INSTITUTION	PLUM05WT
PESP FNC	BRIAS, DR. A.	POST DOC.	UNIV. OF RHODE ISLAND	PLUM05WT
PERT STS	MOE, R.	COMPUTER TECH.	SCRIPPS INSTITUTION	PLUM05WT
PEBE STS	STUBER, D.	SEABEAM ENGINEER	SCRIPPS INSTITUTION	PLUM05WT
PEBO STS	SMITH, W.	SEABEAM OPERATOR	SCRIPPS INSTITUTION	PLUM05WT
PESP SDU	HANAN, DR. B.	CO-CHIEF SCI.	SAN DIEGO STATE UNIV.	PLUM05WT
PEST SIX	GOODING, T.	STUDENT	BROWN UNIVERSITY	PLUM05WT
PESP IGP	HOLLINSHEAD, C.	SCI. PARTY	SCRIPPS INSTITUTION	PLUM05WT
PESP IGP	JOHNSON, R.	SCI. PARTY	SCRIPPS INSTITUTION	PLUM05WT
PEST SIX	CAIRO, A.	STUDENT	BROWN UNIVERSITY	PLUM05WT
PEST UCS	WIELAND, C.	GRAD. STUDENT	U.C. SANTA BARBARA	PLUM05WT
PEST BWN	BLACKMAN, D.	GRAD. STUDENT	BROWN UNIVERSITY	PLUM05WT
PEVL VOL	SCHMIDT, L.	VOLUNTEER	UNIV. OF RHODE ISLAND	PLUM05WT

****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 A PARTICULAR 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. POSITIONS ARE IN TENTHS
 #OF MINUTES.

GMT TIME	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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***UNDERWAY DATA CURATOR - S. M. SMITH EXT. 42752

*** LOG BOOKS ***

028	190490		LBUW B	UNDERWAY WATCH LOG	GDC	35-013S	51-582W	sPLUM05WT
100	220590		LBUW E	UNDERWAY WATCH LOG	GDC	8-483S	34-051W	sPLUM05WT

*** MAGNETIC (EARTH TOTAL FIELD) RECORDS

043	190490		MGRA B	MAGNETICS R-01	GDC	35-015S	51-549W	sPLUM05WT
034	080590		MGRA E	MAGNETICS R-01	GDC	31-387S	12-474W	sPLUM05WT
040	080590		MGRA B	MAGNETICS R-02	GDC	31-389S	12-487W	sPLUM05WT
052	210590		MGRA E	MAGNETICS R-02	GDC	9-144S	33-403W	sPLUM05WT

*** ECHO SOUNDER RECORDS ***

653	190490		DPR3 B	3.5KHZ R-01	GDC	35-016S	51-527W	sPLUM05WT
030	220490		DPR3 E	3.5KHZ R-01	GDC	34-593S	34-339W	sPLUM05WT
038	220490		DPR3 B	3.5KHZ R-02	GDC	34-593S	34-322W	sPLUM05WT
630	240490		DPR3 E	3.5KHZ R-02	GDC	34-476S	21-425W	sPLUM05WT
641	240490		DPR3 B	3.5KHZ R-03	GDC	34-474S	21-399W	sPLUM05WT
300	240490		DPR3 E	3.5KHZ R-03	GDC	34-380S	20-130W	sPLUM05WT
735	160590		DPR3 B	3.5KHZ R-04	GDC	24-522S	17-276W	sPLUM05WT
918	190590		DPR3 E	3.5KHZ R-04	GDC	16-485S	25-583W	sPLUM05WT
925	190590		DPR3 B	3.5KHZ R-05	GDC	16-475S	25-593W	sPLUM05WT
100	220590		DPR3 E	3.5KHZ R-05	GDC	8-483S	34-051W	sPLUM05WT

#GMT #TIME #	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP

*** SEA BEAM MONITOR RECORDS - 12 KHZ ***									
0635	190490			MBMR B	SEABEAM MONITOR R-01	GDC	35-014S	51-567W	sPLUM05WT
2012	250490			MBMR E	SEABEAM MONITOR R-01	GDC	33-585S	15-217W	sPLUM05WT
2217	250490			MBMR B	SEABEAM MONITOR R-02	GDC	33-591S	15-209W	sPLUM05WT
2040	280490			MBMR E	SEABEAM MONITOR R-02	GDC	32-398S	13-361W	sPLUM05WT
2045	280490			MBMR B	SEABEAM MONITOR R-03	GDC	32-398S	13-361W	sPLUM05WT
0414	300490			MBMR E	SEABEAM MONITOR R-03	GDC	32-389S	14-293W	sPLUM05WT
0422	300490			MBMR B	SEABEAM MONITOR R-04	GDC	32-389S	14-294W	sPLUM05WT
0058	020590			MBMR E	SEABEAM MONITOR R-04	GDC	33-136S	14-212W	sPLUM05WT
0110	020590			MBMR B	SEABEAM MONITOR R-05	GDC	33-137S	14-212W	sPLUM05WT
2130	030590			MBMR E	SEABEAM MONITOR R-05	GDC	33-461S	14-341W	sPLUM05WT
2135	030590			MBMR B	SEABEAM MONITOR R-06	GDC	33-461S	14-341W	sPLUM05WT
1547	070590			MBMR E	SEABEAM MONITOR R-06	GDC	31-518S	13-378W	sPLUM05WT
1552	070590			MBMR B	SEABEAM MONITOR R-07	GDC	31-517S	13-368W	sPLUM05WT
1100	110590			MBMR E	SEABEAM MONITOR R-07	GDC	32-177S	13-160W	sPLUM05WT
1106	110590			MBMR B	SEABEAM MONITOR R-08	GDC	32-180S	13-172W	sPLUM05WT
0226	150590			MBMR E	SEABEAM MONITOR R-08	GDC	30-088S	13-418W	sPLUM05WT
0234	150590			MBMR B	SEABEAM MONITOR R-09	GDC	30-072S	13-417W	sPLUM05WT
1244	200590			MBMR E	SEABEAM MONITOR R-09	GDC	13-066S	29-456W	sPLUM05WT
1250	200590			MBMR B	SEABEAM MONITOR R-10	GDC	13-058S	29-465W	sPLUM05WT
0100	220590			MBMR E	SEABEAM MONITOR R-10	GDC	8-483S	34-051W	sPLUM05WT

#GMT #TIME #	DDMMYY DATE	LOC TIME Z	T	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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***SEA BEAM ARCHIVE SWATH BOOKS ***

0652	190490			MBSB	B SB SWATH BK ARCH 01	GDC	35-016S	51-529W	sPLUM05WT
0904	220490			MBSB	E SB SWATH BK ARCH 01	GDC	34-593S	34-529W	sPLUM05WT
0904	220490			MBSB	B SB SWATH BK ARCH 02	GDC	34-593S	34-529W	sPLUM05WT
2341	240490			MBSB	E SB SWATH BK ARCH 02	GDC	34-370S	20-036W	sPLUM05WT
2341	240490			MBSB	B SB SWATH BK ARCH 03	GDC	34-370S	20-036W	sPLUM05WT
1520	280490			MBSB	E SB SWATH BK ARCH 03	GDC	32-439S	13-463W	sPLUM05WT
1520	280490			MBSB	B SB SWATH BK ARCH 04	GDC	32-439S	13-463W	sPLUM05WT
2133	060590			MBSB	E SB SWATH BK ARCH 04	GDC	32-097S	14-518W	sPLUM05WT
2133	060590			MBSB	B SB SWATH BK ARCH 05	GDC	32-097S	14-518W	sPLUM05WT
0440	100590			MBSB	E SB SWATH BK ARCH 05	GDC	32-065S	12-454W	sPLUM05WT
0440	100590			MBSB	B SB SWATH BK ARCH 06	GDC	32-065S	12-454W	sPLUM05WT
0852	150590			MBSB	E SB SWATH BK ARCH 06	GDC	29-107S	13-399W	sPLUM05WT
0852	150590			MBSB	B SB SWATH BK ARCH 07	GDC	29-107S	13-399W	sPLUM05WT
0643	180590			MBSB	E SB SWATH BK ARCH 07	GDC	20-067S	22-340W	sPLUM05WT
0643	180590			MBSB	B SB SWATH BK ARCH 08	GDC	20-067S	22-340W	sPLUM05WT
1328	210590			MBSB	E SB SWATH BK ARCH 08	GDC	10-037S	32-503W	sPLUM05WT
1328	210590			MBSB	B SB SWATH BK ARCH 09	GDC	10-037S	32-503W	sPLUM05WT
0100	220590			MBSB	E SB SWATH BK ARCH 09	GDC	8-483S	34-051W	sPLUM05WT

*** THERMOGRAPH RECORDS ***

1233	180490			TGRC	B THERMOGRAPHS 1-31	GDC	34-541S	56-130W	sPLUM05WT
1130	220590			TGRC	E THERMOGRAPHS 1-31	GDC	8-037S	34-522W	sPLUM05WT

#GMT #TIME #	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER		DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
**** DREDGES ***										
1313	290490			DRRO B	ROCK	DREDGE 31	3838M	GCR 32-240S	14-174W	sPLUM05WT
1354	290490			DRRO E	ROCK	DREDGE 31	3845M	GCR 32-244S	14-179W	sPLUM05WT
1911	290490			DRRO B	ROCK	DREDGE 32	3588M	GCR 32-319S	14-297W	sPLUM05WT
1957	290490			DRRO E	ROCK	DREDGE 32	3700M	GCR 32-321S	14-303W	sPLUM05WT
2342	290490			DRRO B	ROCK	DREDGE 33	3360M	GCR 32-363S	14-306W	sPLUM05WT
0118	300490			DRRO E	ROCK	DREDGE 33	M	GCR 32-357S	14-311W	sPLUM05WT
0518	300490			DRRO B	ROCK	DREDGE 34	3430M	GCR 32-392S	14-293W	sPLUM05WT
0724	300490			DRRO X	LOST	34		GCR 32-395S	14-299W	sPLUM05WT
1110	300490			DRRO B	ROCK	DREDGE 35	3031M	GCR 32-439S	14-299W	sPLUM05WT
1217	300490			DRRO E	ROCK	DREDGE 35	3102M	GCR 32-442S	14-303W	sPLUM05WT
1555	300490			DRRO B	ROCK	DREDGE 36	2817M	GCR 32-515S	14-284W	sPLUM05WT
1657	300490			DRRO E	ROCK	DREDGE 36	2748M	GCR 32-523S	14-282W	S
2046	300490			DRRO B	ROCK	DREDGE 37	2600M	GCR 32-558S	14-274W	sPLUM05WT
2132	300490			DRRO E	ROCK	DREDGE 37	2651M	GCR 32-563S	14-274W	sPLUM05WT
0037	010590			DRRO B	ROCK	DREDGE 38	2510M	GCR 33-002S	14-261W	sPLUM05WT
0126	010590			DRRO E	ROCK	DREDGE 38	2456M	GCR 33-003S	14-253W	sPLUM05WT
0406	010590			DRRO B	ROCK	DREDGE 39	2358M	GCR 32-595S	14-232W	sPLUM05WT
0447	010590			DRRO E	ROCK	DREDGE 39	2311M	GCR 33-000S	14-235W	sPLUM05WT
0803	010590			DRRO B	ROCK	DREDGE 40	2434M	GCR 33-013S	14-280W	sPLUM05WT
0859	010590			DRRO E	ROCK	DREDGE 40	2434M	GCR 33-017S	14-279W	sPLUM05WT
1624	010590			DRRO B	ROCK	DREDGE 41	2640M	GCR 33-033S	14-243W	sPLUM05WT
1755	010590			DRRO E	ROCK	DREDGE 41	2518M	GCR 33-032S	14-247W	sPLUM05WT
2103	010590			DRRO B	ROCK	DREDGE 42	2880M	GCR 33-084S	14-224W	sPLUM05WT
2201	010590			DRRO E	ROCK	DREDGE 42	2838M	GCR 33-080S	14-224W	sPLUM05WT
0145	020590			DRRO B	ROCK	DREDGE 43	3324M	GCR 33-136S	14-211W	sPLUM05WT
0242	020590			DRRO E	ROCK	DREDGE 43	3398M	GCR 33-138S	14-217W	sPLUM05WT
0627	020590			DRRO B	ROCK	DREDGE 44	3469M	GCR 33-162S	14-196W	sPLUM05WT
0754	020590			DRRO E	ROCK	DREDGE 44	3520M	GCR 33-161S	14-195W	sPLUM05WT
1135	020590			DRRO B	ROCK	DREDGE 45	3789M	GCR 33-204S	14-197W	sPLUM05WT
1236	020590			DRRO E	ROCK	DREDGE 45	3864M	GCR 33-200S	14-198W	sPLUM05WT

#GMT #TIME #	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER			DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1625	020590			DRRO B	ROCK DREDGE 46	3947M		GCR	33-243S	14-196W	sPLUM05WT
1823	020590			DRRO E	ROCK DREDGE 46	3900M		GCR	33-233S	14-194W	sPLUM05WT
2303	020590			DRRO B	ROCK DREDGE 47	4491M		GCR	33-302S	14-240W	sPLUM05WT
0012	030590			DRRO E	ROCK DREDGE 47	4502M		GCR	33-308S	14-246W	sPLUM05WT
0454	030590			DRRO B	ROCK DREDGE 48	4305M		GCR	33-332S	14-267W	sPLUM05WT
0615	030590			DRRO E	ROCK DREDGE 48	4333M		GCR	33-327S	14-265W	sPLUM05WT
1057	030590			DRRO B	ROCK DREDGE 49	3859M		GCR	33-367S	14-318W	sPLUM05WT
1214	030590			DRRO E	ROCK DREDGE 49	3997M		GCR	33-360S	14-322W	sPLUM05WT
1652	030590			DRRO B	ROCK DREDGE 50	4111M		GCR	33-412S	14-343W	sPLUM05WT
1807	030590			DRRO E	ROCK DREDGE 50	3988M		GCR	33-421S	14-341W	sPLUM05WT
2150	030590			DRRO B	ROCK DREDGE 51	3993M		GCR	33-462S	14-342W	sPLUM05WT
2358	030590			DRRO E	ROCK DREDGE 51	3927M		GCR	33-460S	14-345W	sPLUM05WT
0413	040590			DRRO B	ROCK DREDGE 52	3909M		GCR	33-509S	14-332W	sPLUM05WT
0451	040590			DRRO E	ROCK DREDGE 52	3916M		GCR	33-505S	14-334W	sPLUM05WT
0850	040590			DRRO B	ROCK DREDGE 53	3590M		GCR	33-549S	14-318W	sPLUM05WT
1000	040590			DRRO E	ROCK DREDGE 53	3533M		GCR	33-554S	14-310W	sPLUM05WT
1336	040590			DRRO B	ROCK DREDGE 54	3570M		GCR	33-575S	14-315W	sPLUM05WT
1457	040590			DRRO E	ROCK DREDGE 54	3596M		GCR	33-584S	14-311W	sPLUM05WT
1833	040590			DRRO B	ROCK DREDGE 55	3648M		GCR	34-034S	14-302W	sPLUM05WT
1940	040590			DRRO E	ROCK DREDGE 55	3661M		GCR	34-036S	14-304W	sPLUM05WT
2314	040590			DRRO B	ROCK DREDGE 56	3660M		GCR	34-076S	14-312W	sPLUM05WT
0038	050590			DRRO E	ROCK DREDGE 56	3630M		GCR	34-081S	14-311W	sPLUM05WT
0505	050590			DRRO B	ROCK DREDGE 57	3660M		GCR	34-034S	14-297W	sPLUM05WT
0620	050590			DRRO E	ROCK DREDGE 57	3680M		GCR	34-036S	14-303W	sPLUM05WT
1144	050590			DRRO B	ROCK DREDGE 58	3813M		GCR	33-482S	14-328W	sPLUM05WT
1250	050590			DRRO E	ROCK DREDGE 58	3694M		GCR	33-485S	14-324W	sPLUM05WT
1652	050590			DRRO B	ROCK DREDGE 59	3716M		GCR	33-450S	14-339W	sPLUM05WT
1750	050590			DRRO E	ROCK DREDGE 59	3719M		GCR	33-452S	14-334W	sPLUM05WT

GMT TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER		DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
231	120590			DRRO B	ROCK DREDGE 60	3830M	GCR	32-057S	13-284W	sPLUM05WT
344	120590			DRRO X	EMPTY 60		GCR	32-051S	13-285W	sPLUM05WT
732	120590			DRRO B	ROCK DREDGE 61	3971M	GCR	32-050S	13-235W	sPLUM05WT
952	120590			DRRO E	ROCK DREDGE 61		GCR	32-041S	13-231W	sPLUM05WT
300	120590			DRRO B	ROCK DREDGE 62	3895M	GCR	32-048S	13-182W	sPLUM05WT
438	120590			DRRO E	ROCK DREDGE 62		GCR	32-040S	13-182W	sPLUM05WT
817	120590			DRRO B	ROCK DREDGE 63	3697M	GCR	31-591S	13-190W	sPLUM05WT
914	120590			DRRO E	ROCK DREDGE 63	3752M	GCR	31-587S	13-193W	sPLUM05WT
307	120590			DRRO B	ROCK DREDGE 64	3531M	GCR	31-547S	13-194W	sPLUM05WT
003	130590			DRRO E	ROCK DREDGE 64	3401M	GCR	31-545S	13-198W	sPLUM05WT
346	130590			DRRO B	ROCK DREDGE 65	3240M	GCR	31-476S	13-226W	sPLUM05WT
520	130590			DRRO X	EMPTY 65	3080M	GCR	31-475S	13-228W	sPLUM05WT
842	130590			DRRO B	ROCK DREDGE 66	3146M	GCR	31-472S	13-231W	sPLUM05WT
956	130590			DRRO E	ROCK DREDGE 66	3233M	GCR	31-473S	13-222W	sPLUM05WT
502	130590			DRRO B	ROCK DREDGE 67	2995M	GCR	31-404S	13-237W	sPLUM05WT
546	130590			DRRO E	ROCK DREDGE 67	3000M	GCR	31-402S	13-232W	sPLUM05WT
902	130590			DRRO B	ROCK DREDGE 68	3143M	GCR	31-354S	13-258W	sPLUM05WT
001	130590			DRRO E	ROCK DREDGE 68	3304M	GCR	31-343S	13-258W	sPLUM05WT
348	130590			DRRO B	ROCK DREDGE 69	3360M	GCR	31-291S	13-272W	sPLUM05WT
0147	140590			DRRO E	ROCK DREDGE 69	3420M	GCR	31-302S	13-270W	sPLUM05WT
0535	140590			DRRO B	ROCK DREDGE 70	3250M	GCR	31-234S	13-274W	sPLUM05WT
0735	140590			DRRO E	ROCK DREDGE 70	3279M	GCR	31-245S	13-267W	sPLUM05WT
209	140590			DRRO B	ROCK DREDGE 71	3523M	GCR	31-192S	13-264W	sPLUM05WT
348	140590			DRRO E	ROCK DREDGE 71	3523M	GCR	31-200S	13-264W	sPLUM05WT
657	140590			DRRO B	ROCK DREDGE 72	2218M	GCR	31-192S	13-342W	sPLUM05WT
810	140590			DRRO E	ROCK DREDGE 72	2054M	GCR	31-191S	13-338W	sPLUM05WT

GMT TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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*** GLASS CORES ***

113	060590			COXX	GLASS CORE 5	2478M	GCR 33-024S	14-287W	sPLUM05WT
303	060590			COXX	GLASS CORE 6	2546M	GCR 33-023S	14-249W	sPLUM05WT
509	060590			COXX X	GLASS CORE 7	2545M	GCR 32-581S	14-258W	sPLUM05WT
751	060590			COXX	GLASS CORE 8	2830M	GCR 32-486S	14-278W	sPLUM05WT

*** OCEAN BOTTOM SEISMIC BOUY ***

318	270390			SBOB C	JANICE DROP OBS		IGP 35-54 S	56-13 W	fPLUM04WT
103	260490			SBOB E	JANICE RECOVERY		IGP 33-549S	15-073W	sPLUM05WT
036	270390			SBOB C	SHARYN DROP OBS		IGP 35-54 S	56-13 W	fPLUM04WT
142	250490			SBOB E	SHARYN RECOVERY		IGP 33-590S	15-211W	sPLUM05WT
923	280390			SBOB C	KAREN DROP OBS		IGP 35-54 S	56-13 W	fPLUM04WT
410	260490			SBOB E	KAREN RECOVERY		IGP 33-406S	13-580W	sPLUM05WT
158	280390			SBOB C	JUDY DROP OBS		IGP 35-54 S	56-13 W	fPLUM04WT
730	260490			SBOB E	JUDY RECOVERY		IGP 33-402S	13-442W	sPLUM05WT
640	280390			SBOB C	PHRED DROP OBS		IGP 35-54 S	56-13 W	fPLUM04WT
032	260490			SBOB E	PHRED RECOVERY		IGP 33-460S	14-134W	sPLUM05WT
125	280390			SBOB C	OPUS DROP OBS		IGP 35-54 S	56-13 W	fPLUM04WT
430	260490			SBOB E	OPUS RECOVERY		IGP 34-315S	18-556W	sPLUM05WT

*** END SAMPLE INDEX ***