

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

(Issued March 1990)

PLUME EXPEDITION

LEG 2

=====

R/V Washington

Galapagos Islands (17 January 1990)
to
Galapagos Islands (12 February 1990)

Co-Chief Scientists:

D. Christie - Oregon State University
R. Duncan - Oregon State University

Resident Marine Technician - G. Pillard

Post-Cruise Processing and Report Preparation
by Geological Data Center, Scripps Institution of Oceanography

Data Collection and Processing Funded by:
NSF Grant Number OCE87-02835 and
ONR Grant Number 1219

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. 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.# 246

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 profiles (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.

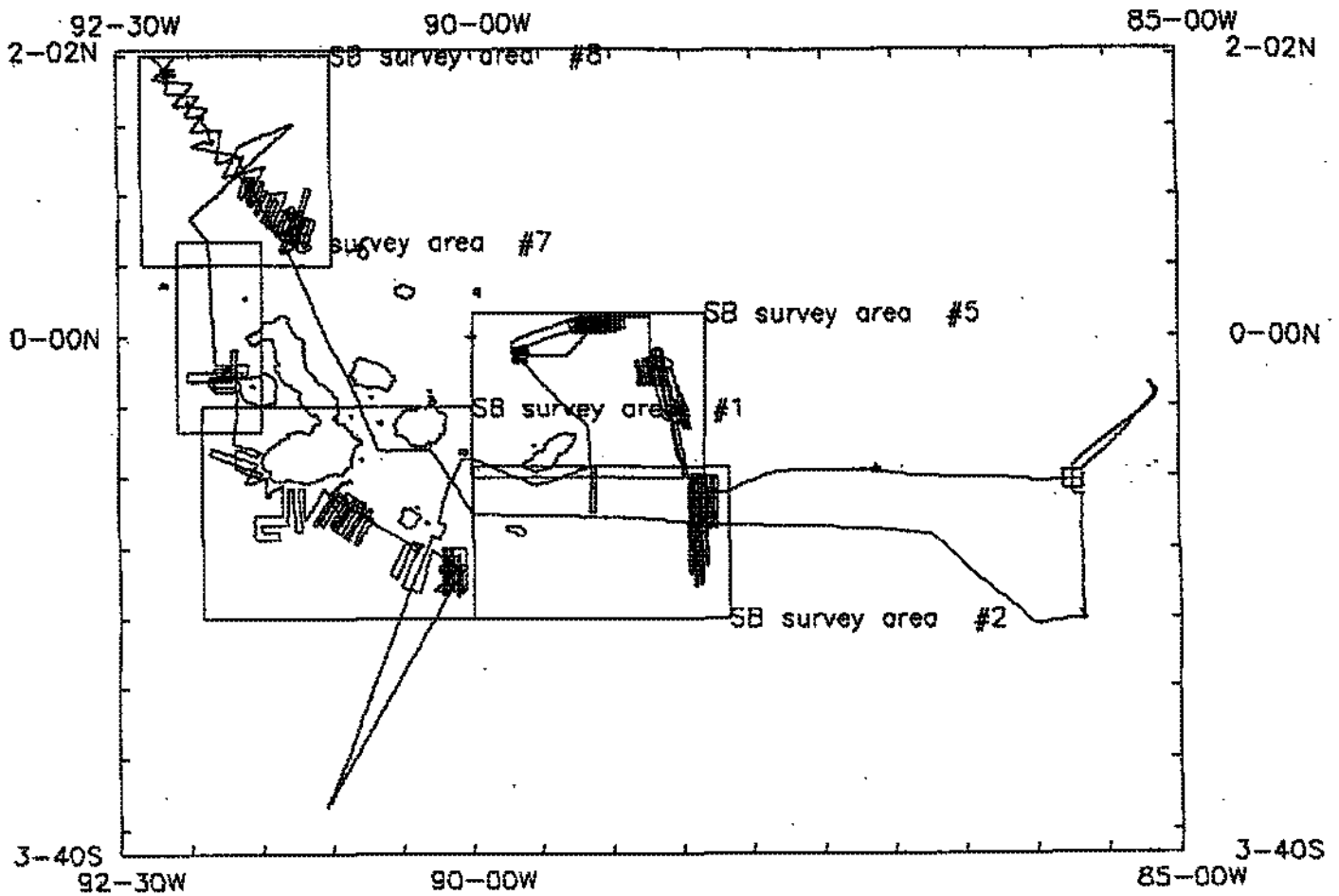
Sample Index - list of beginning and end times and positions of all underway records as well as all other samples and measurements (geology, biology, physical oceanography, etc.) collected on the cruise leg.

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. Phone (619)534-2752.

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 $\frac{2}{3}$ 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

Revised September 1987



PLUM02WT Track with bounds of expanded survey plots

PLUME EXPEDITION LEG 2

CO-CHIEF SCIENTISTS:

D. Christie - Oregon State University

R. Duncan - Oregon State University

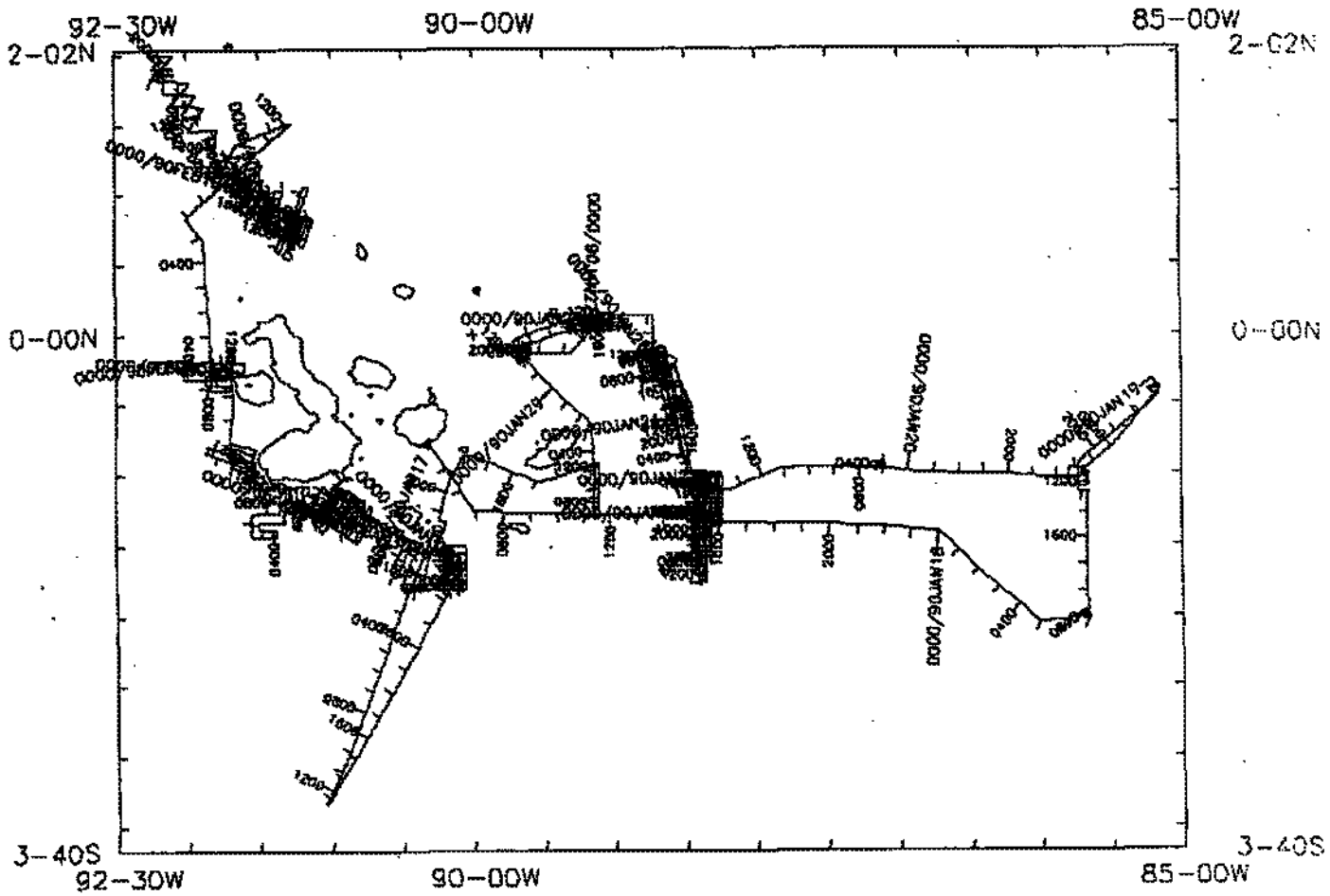
PORTS: Galapagos Islands - Galapagos Islands

DATES: 17 January - 12 February 1990

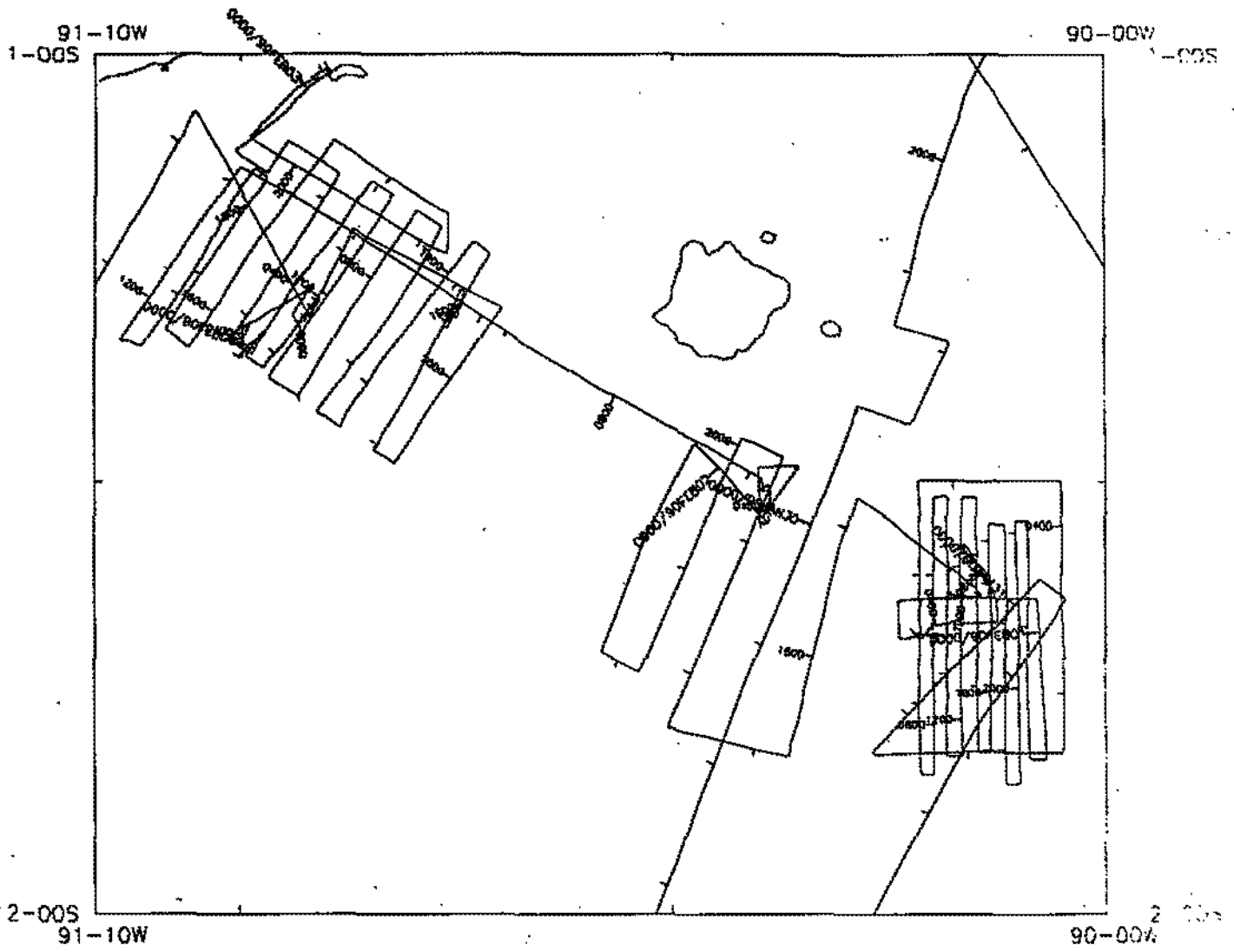
SHIP: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

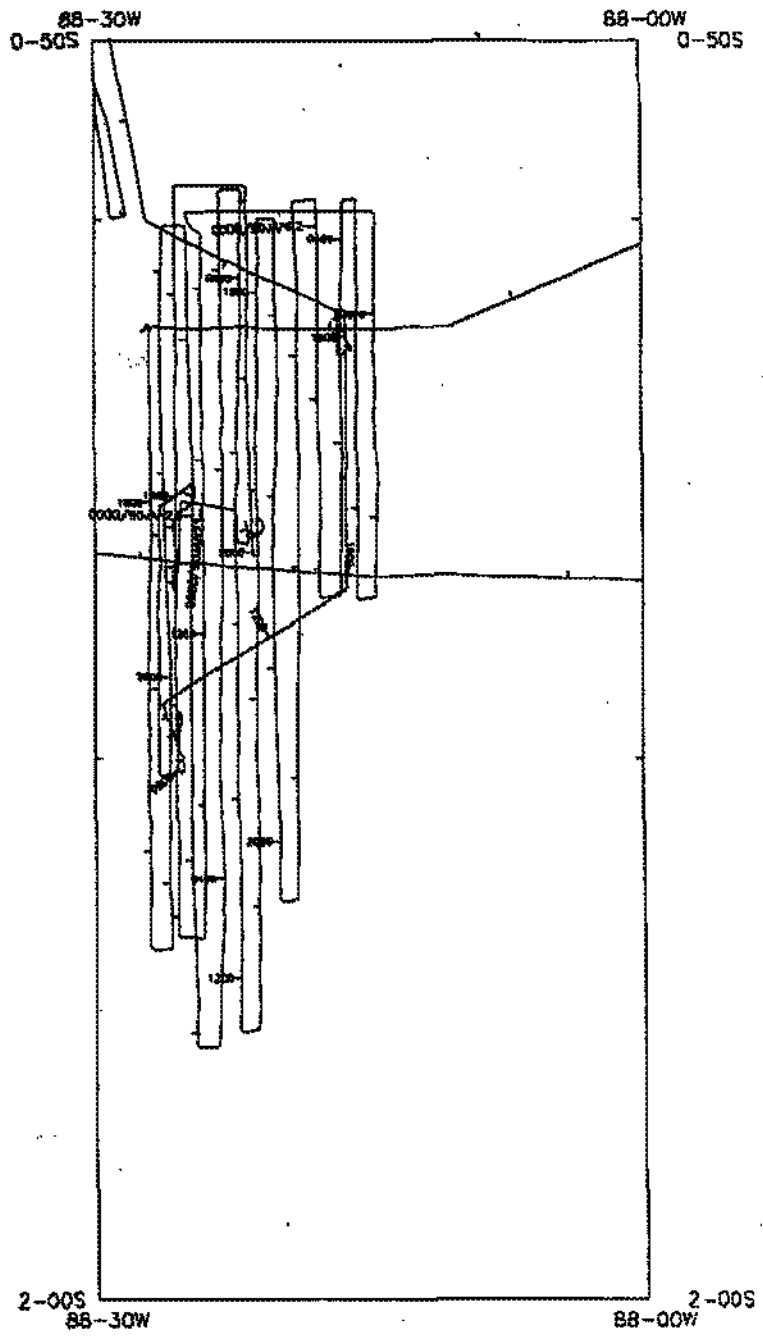
- 1) Cruise - 5158 miles
- 2) Bathymetry - 5133 miles
- 3) Magnetics - 4658 miles
- 4) Seismic Reflection - none collected
- 5) Gravity - 5148 miles
- 6) Sea Beam - 5133 miles



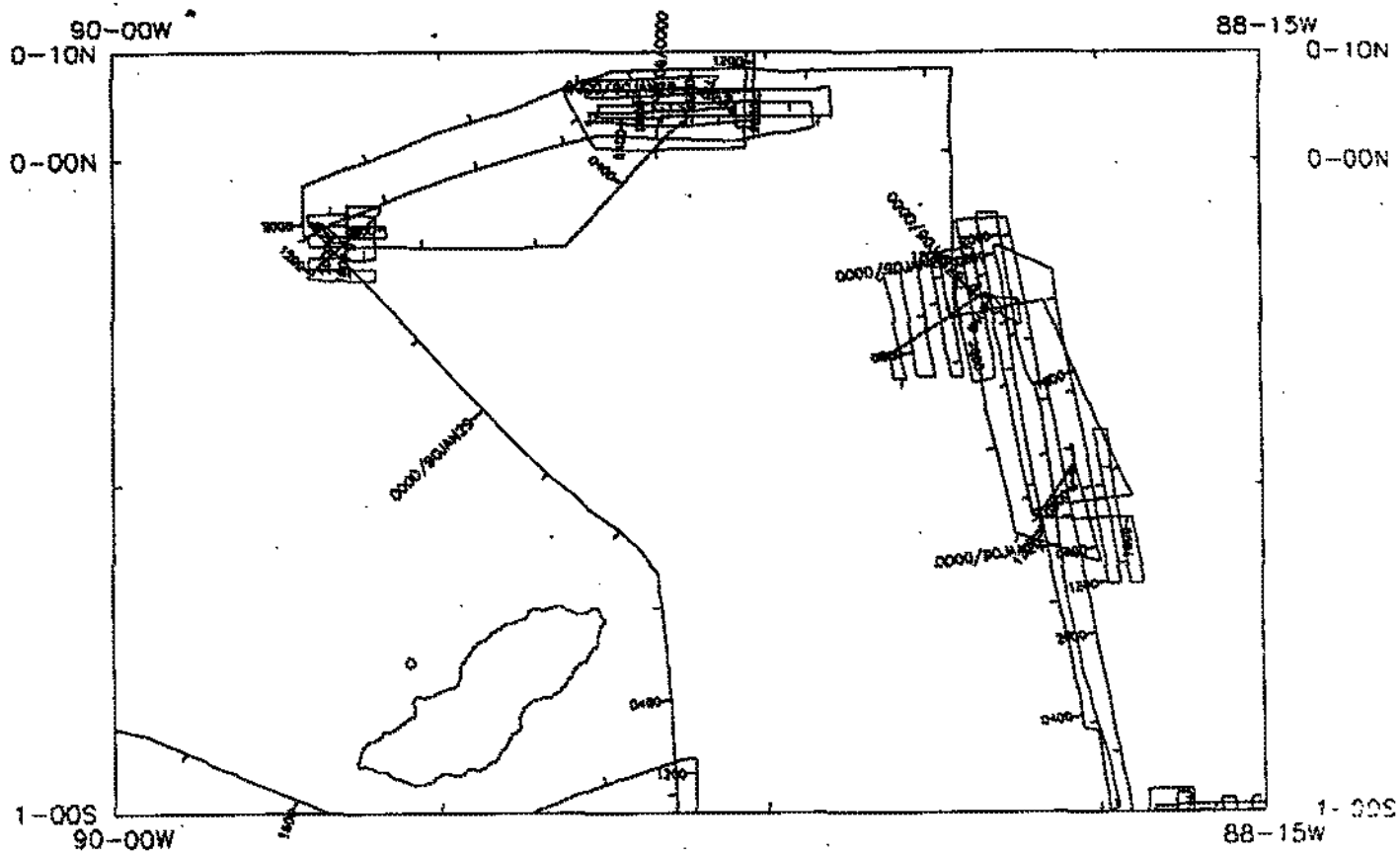
PLUME LEG 2 (PLUM02WT)



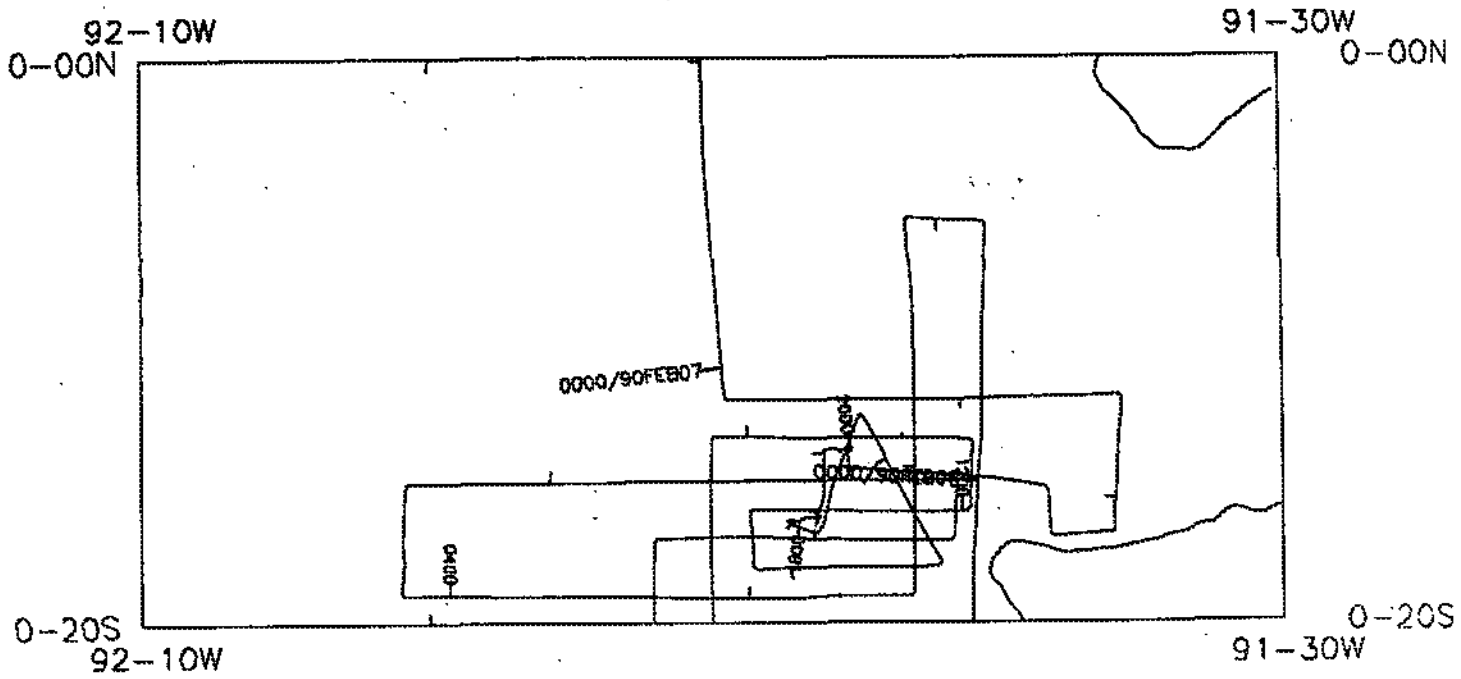
PLUM02WT Track of SB survey area #1



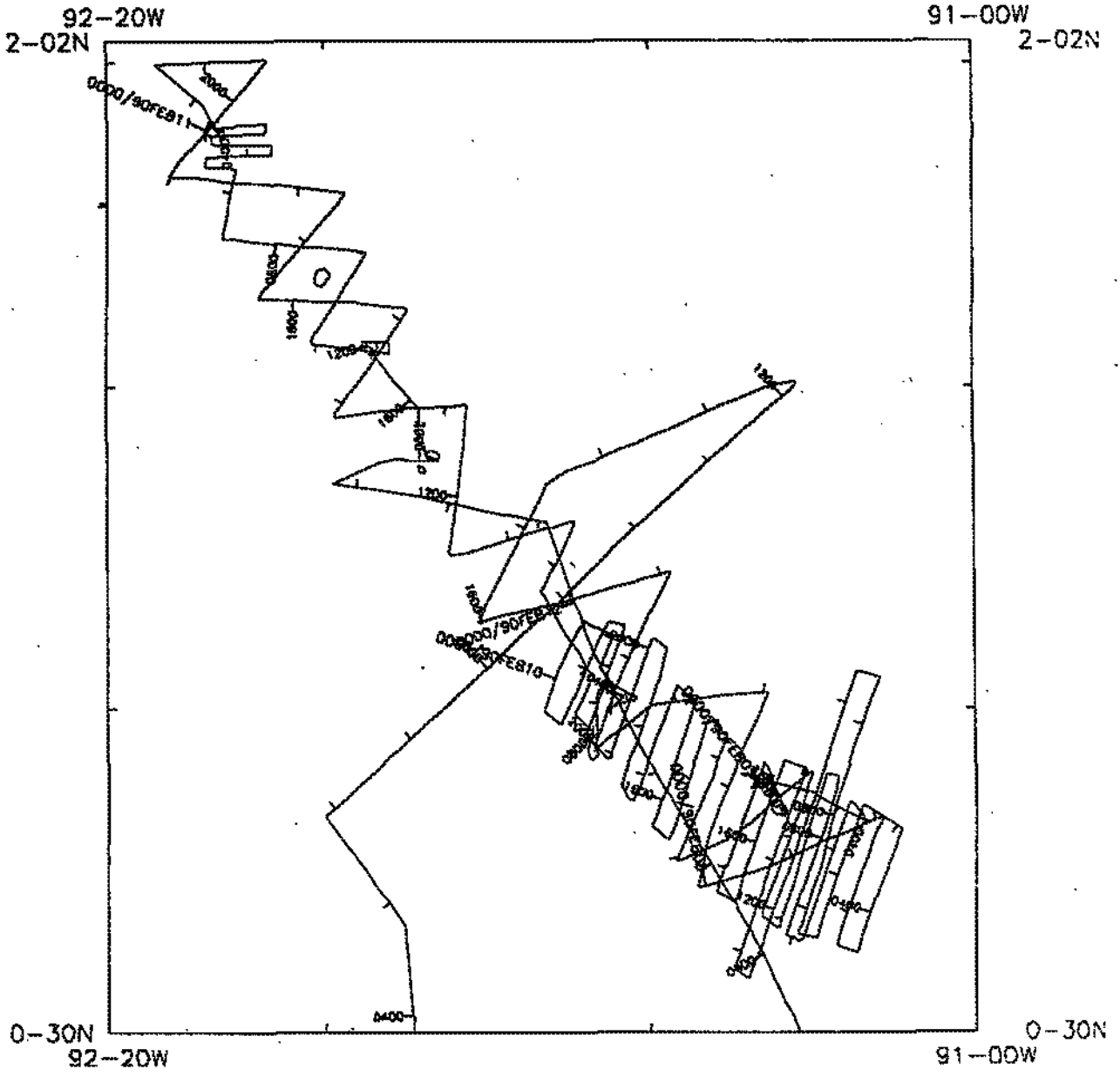
PLUM02WT Track of SB survey area #2



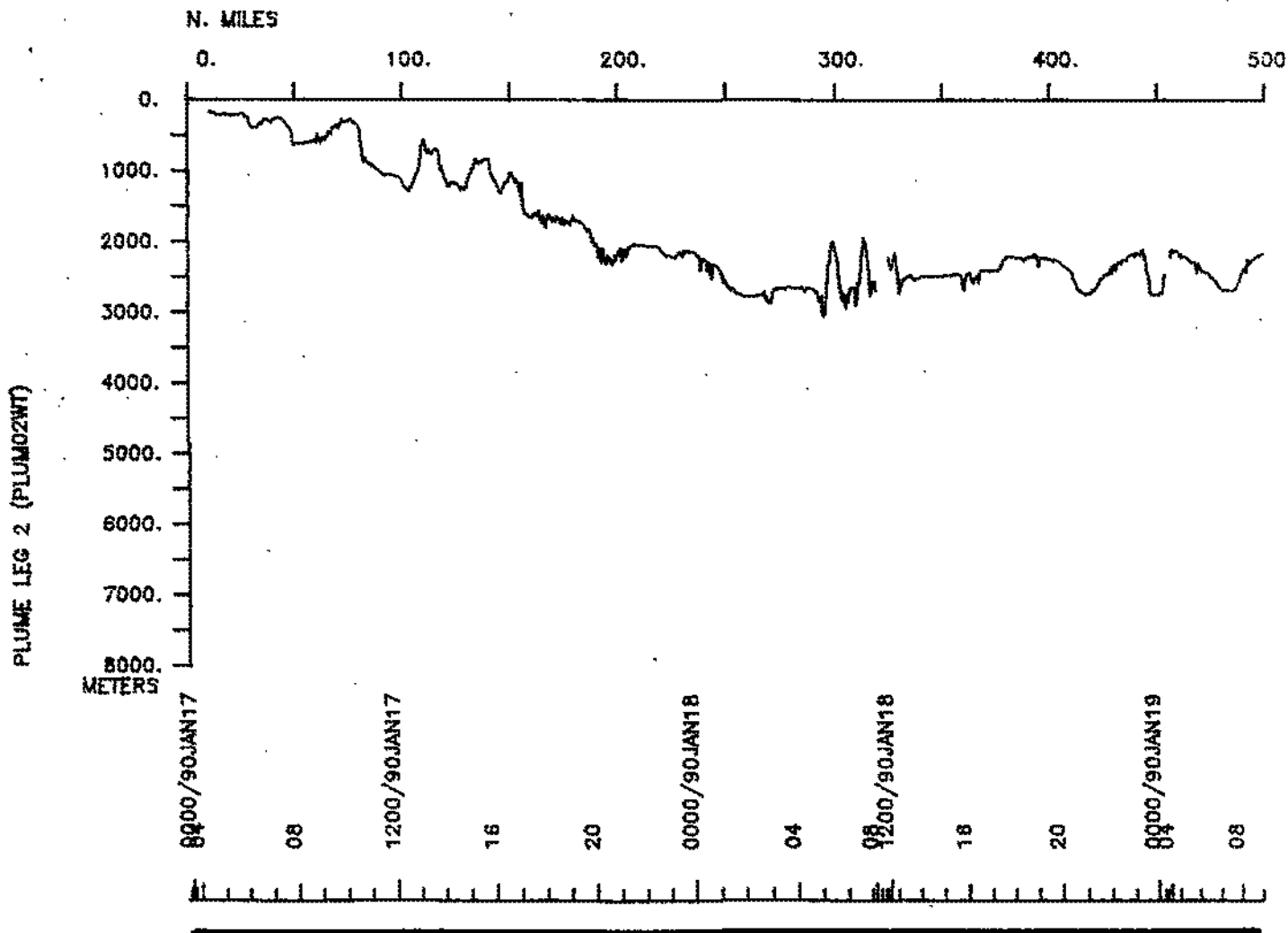
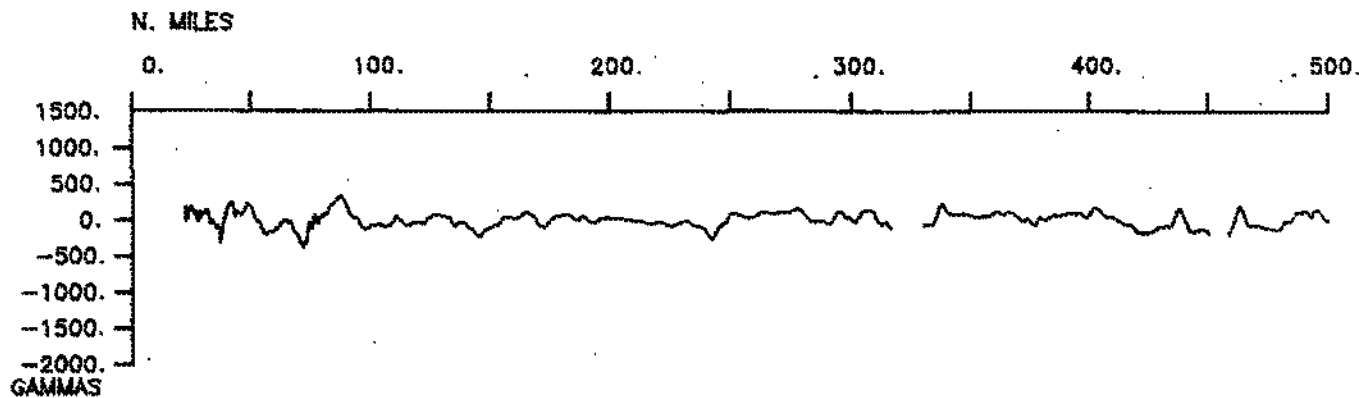
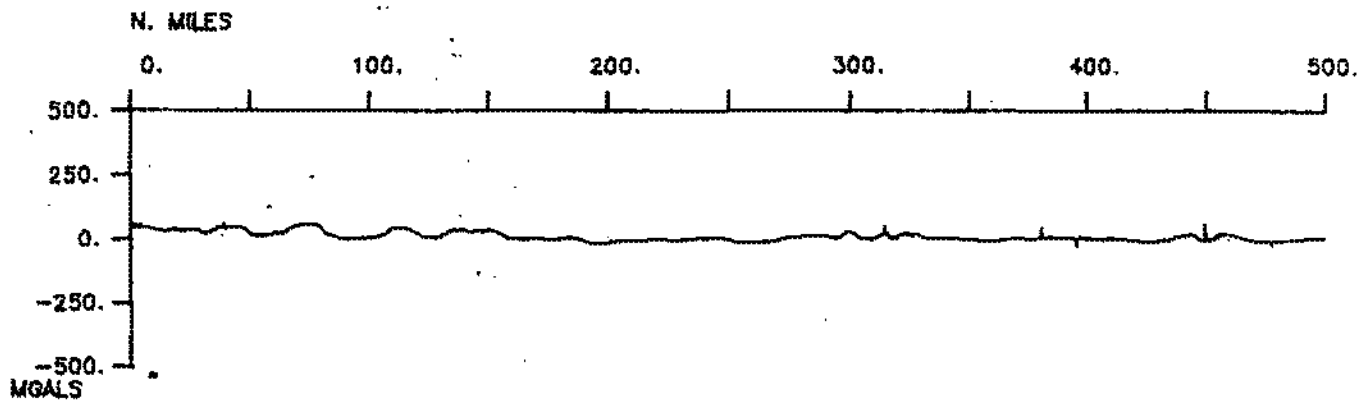
PLUM02WT Track of SB survey area #5

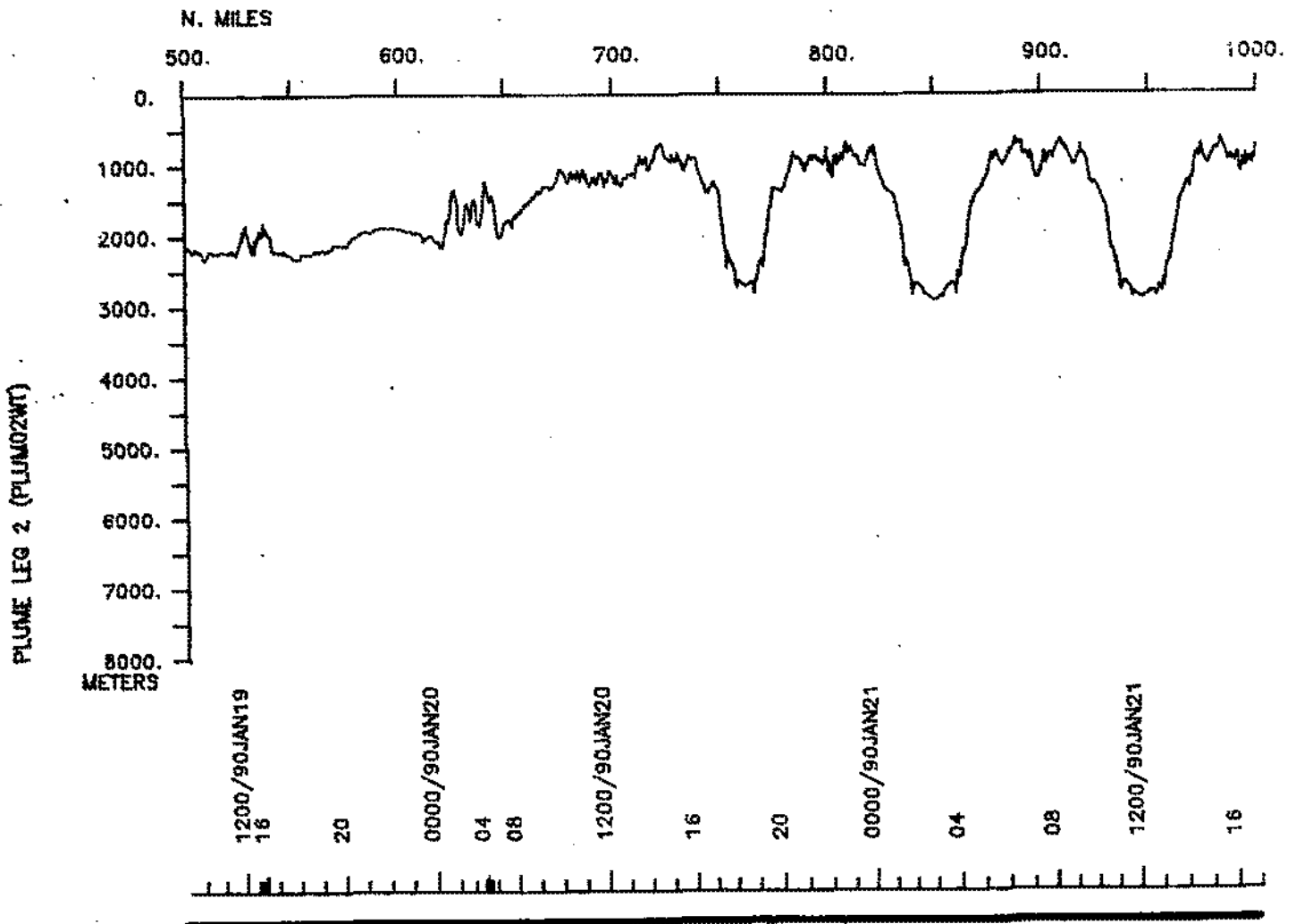
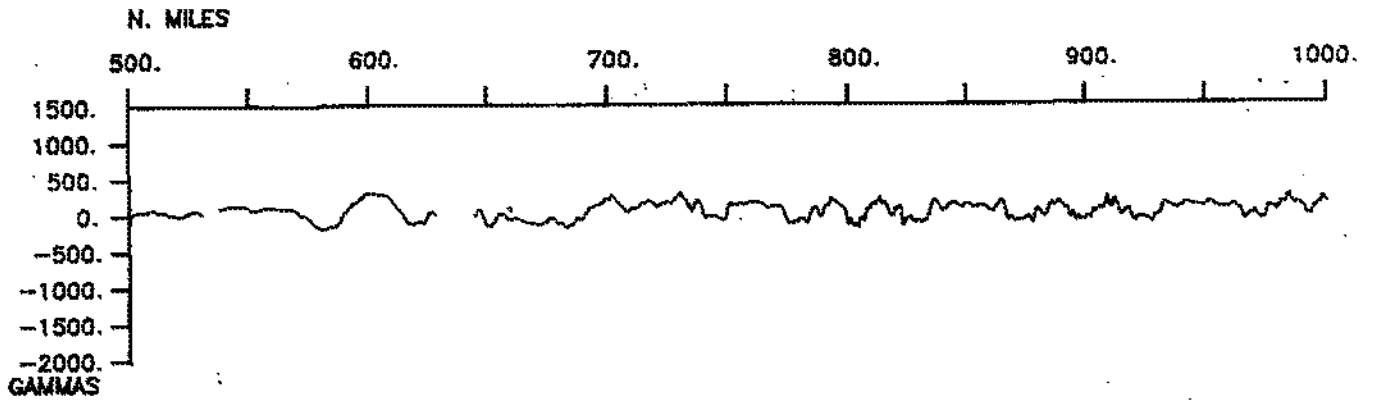
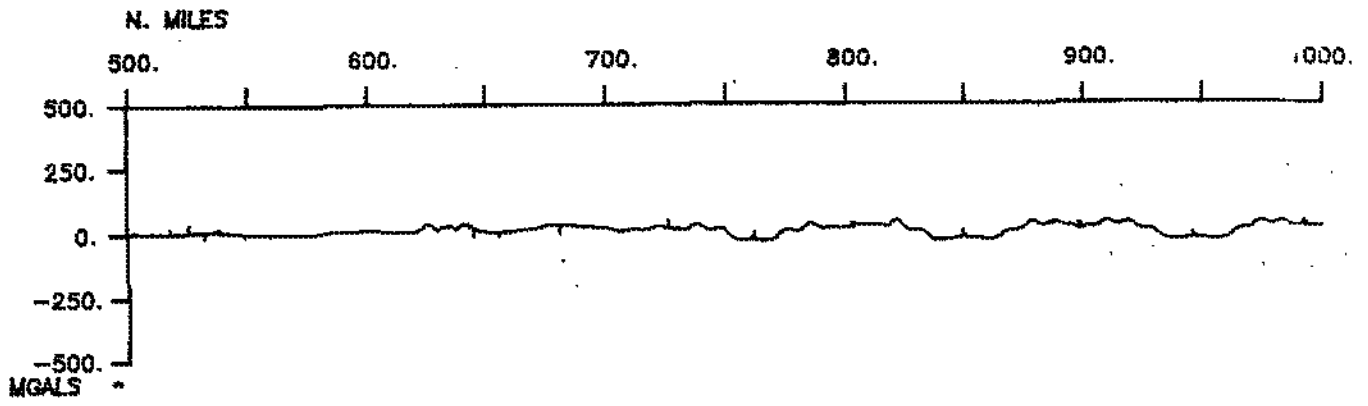


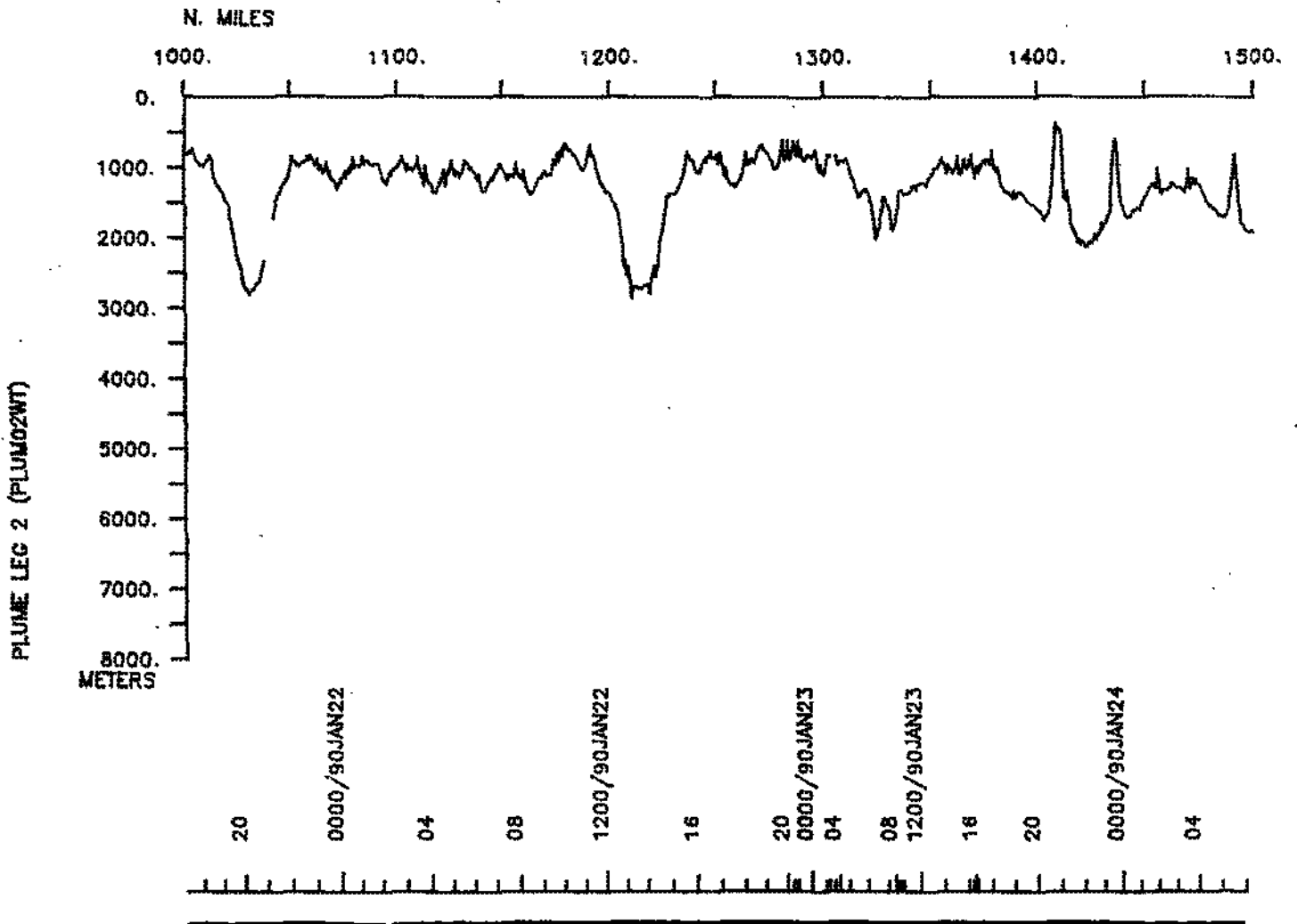
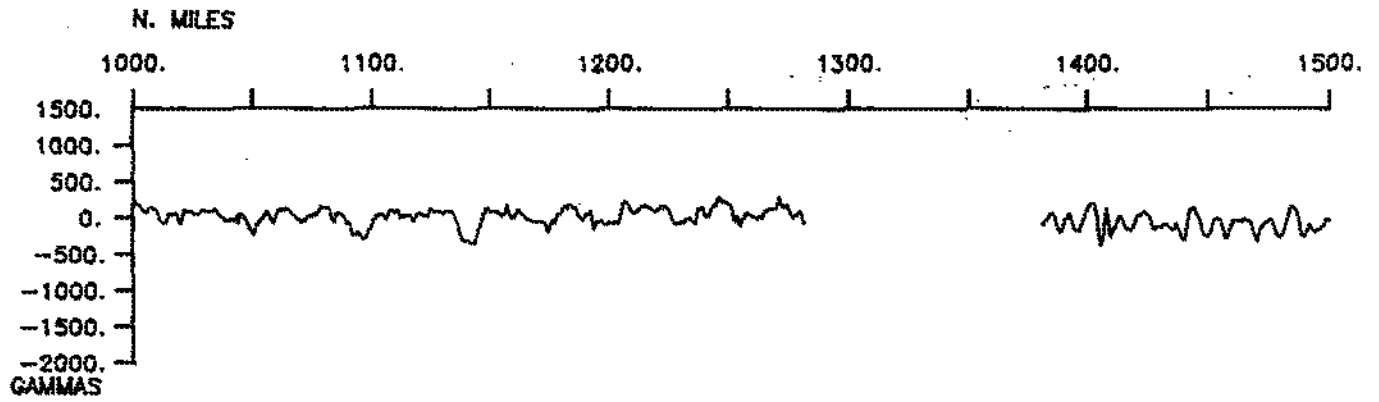
PLUM02WT Track of SB survey area #7

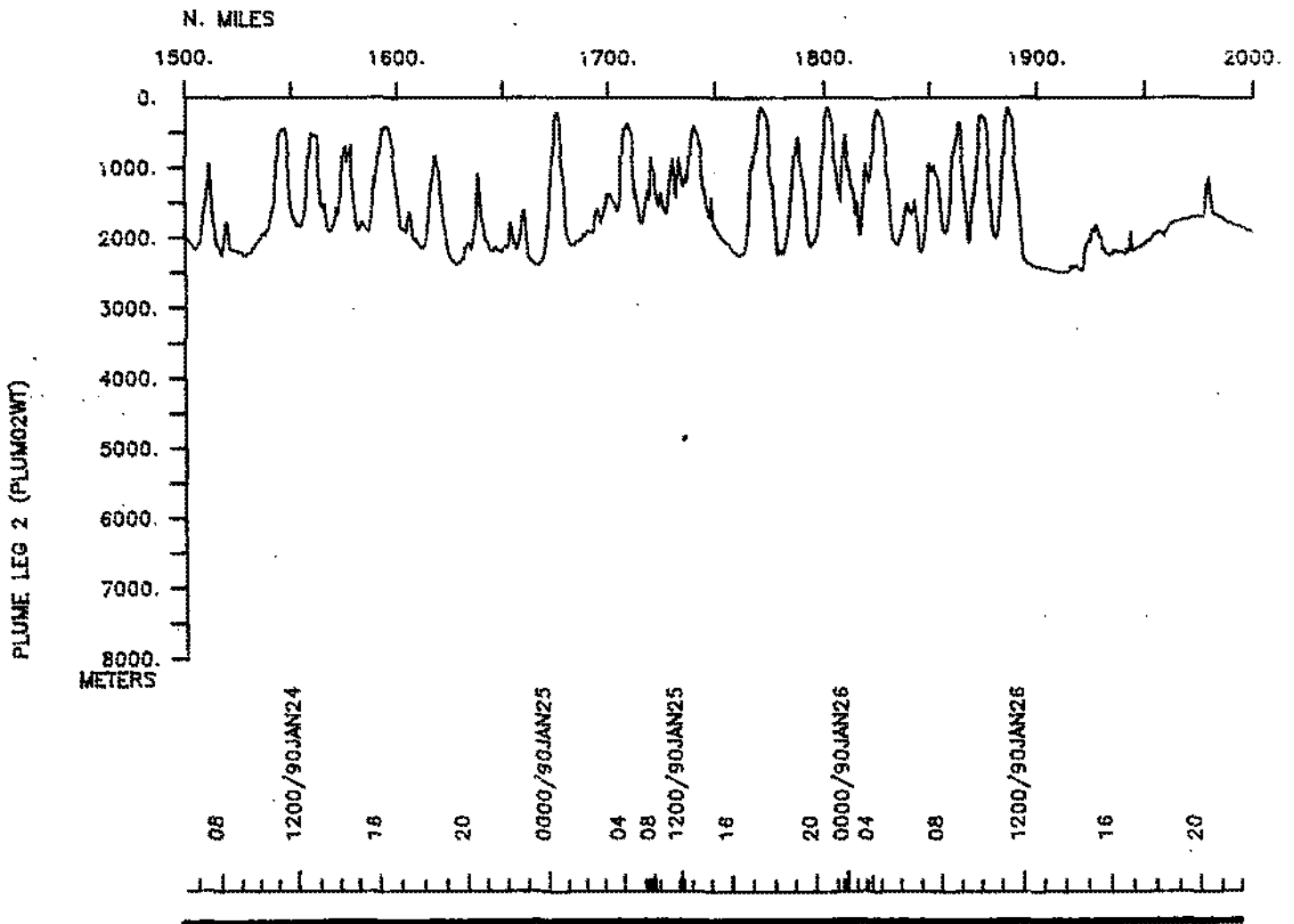
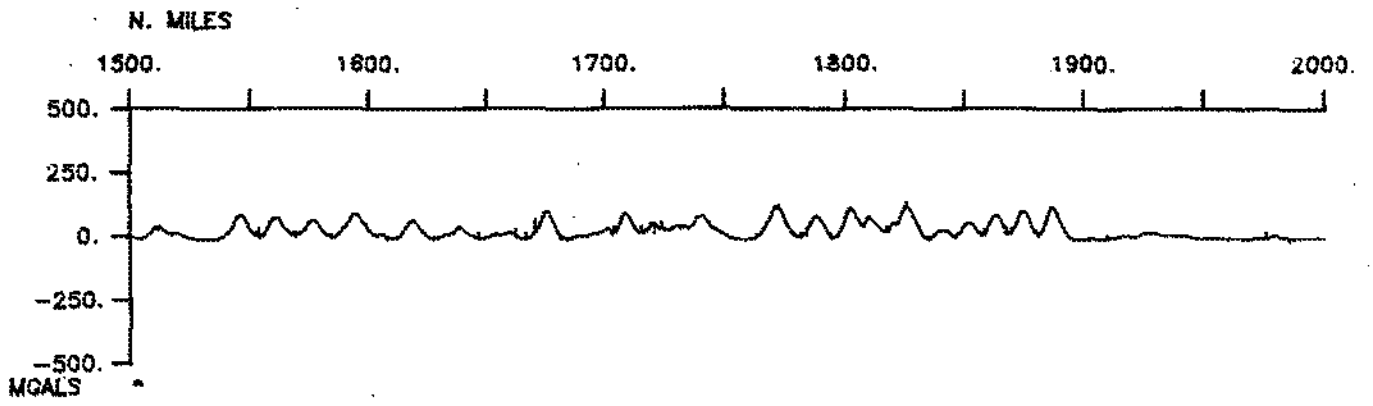


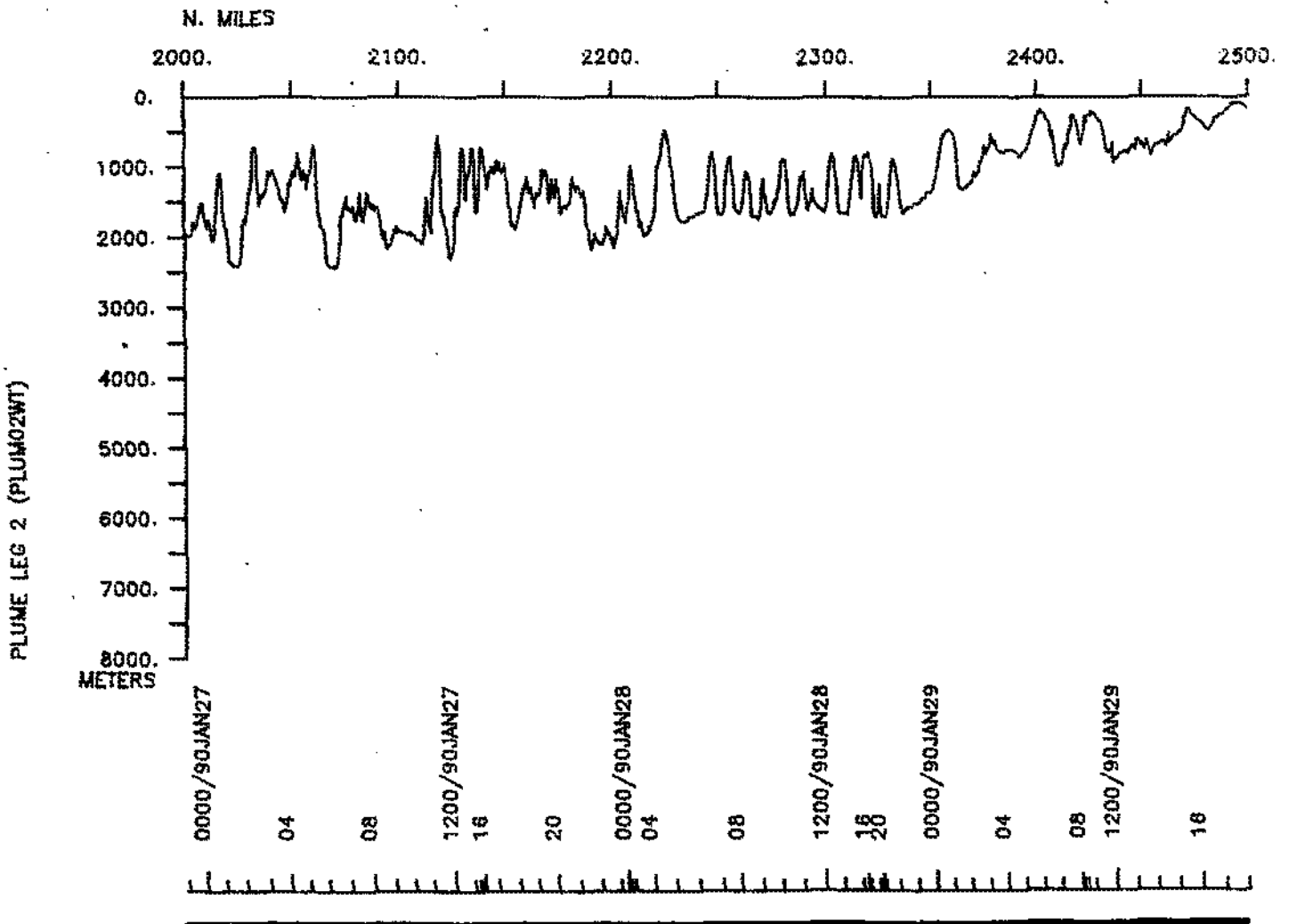
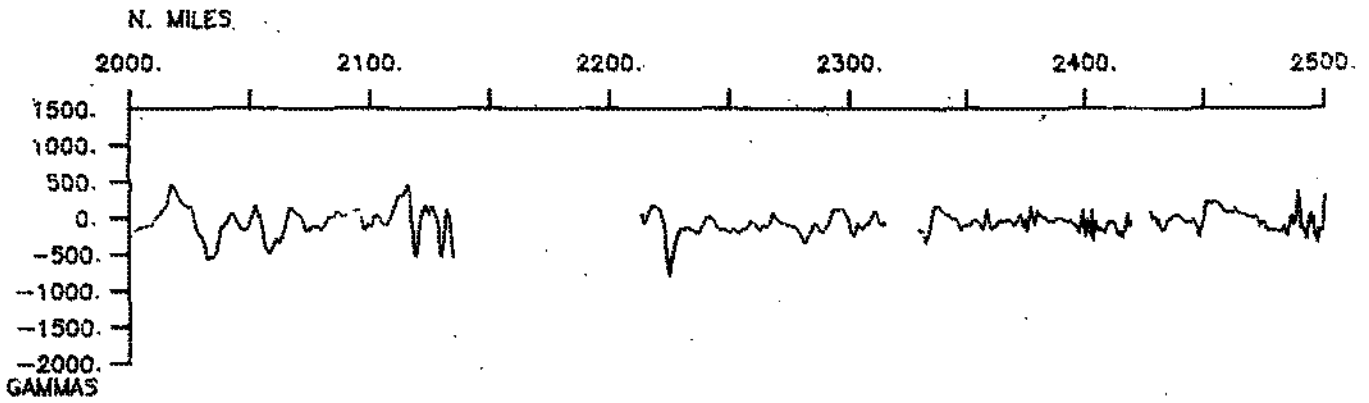
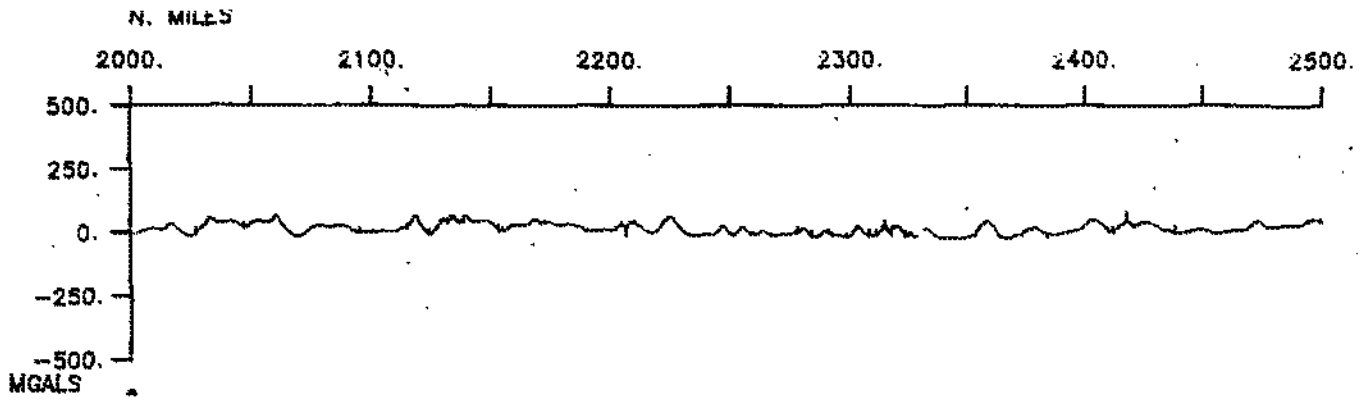
PLUM02WT Track of SB survey area #8

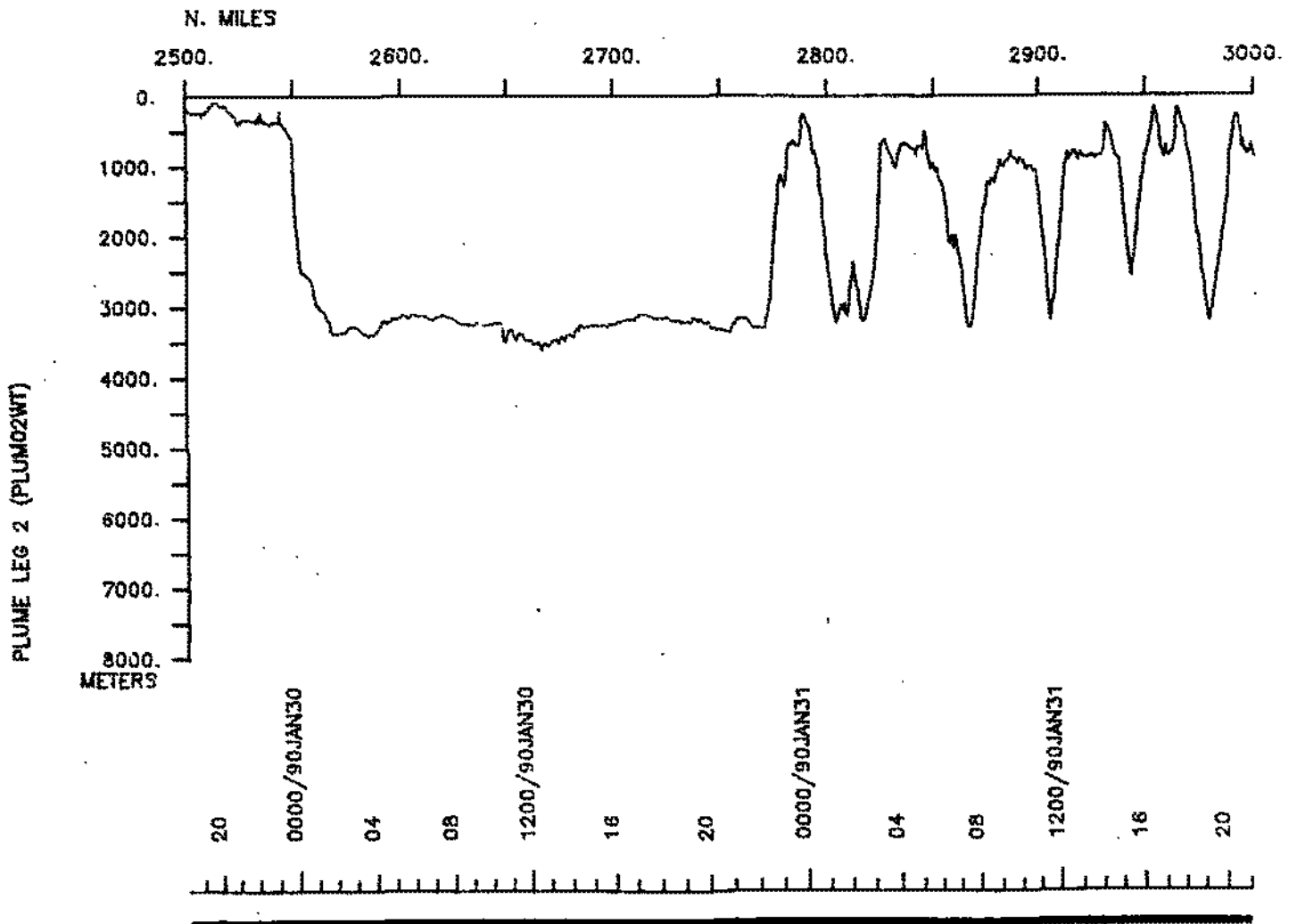
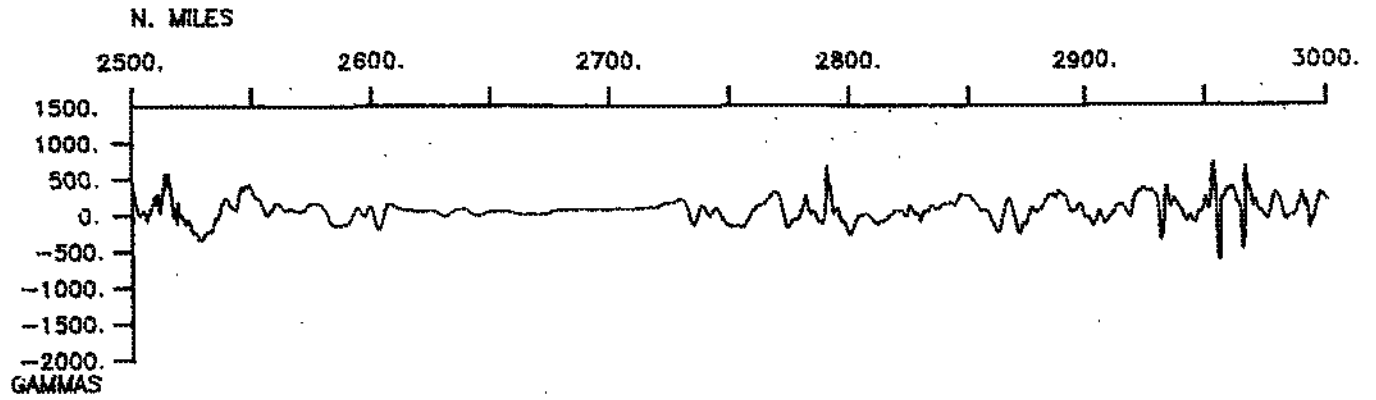
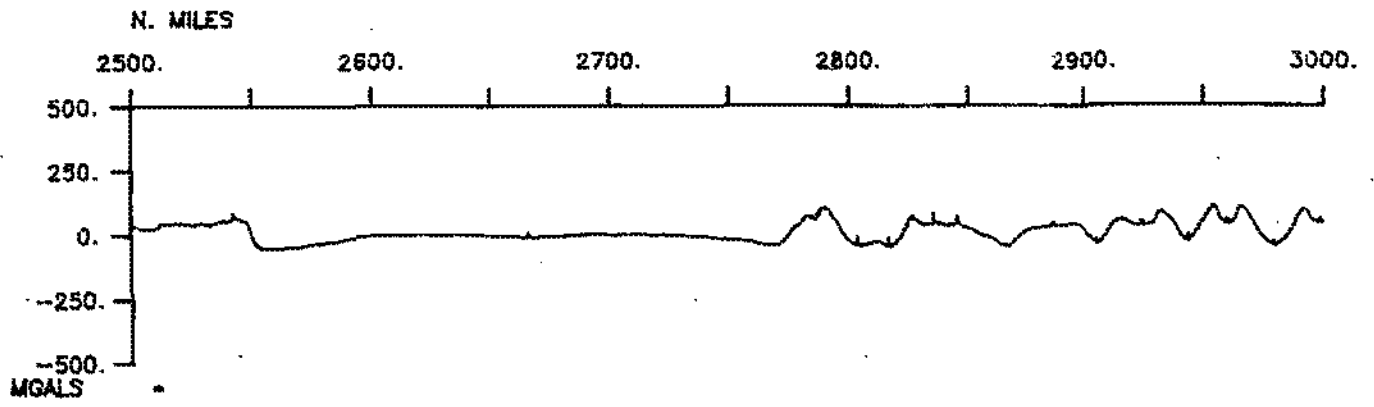


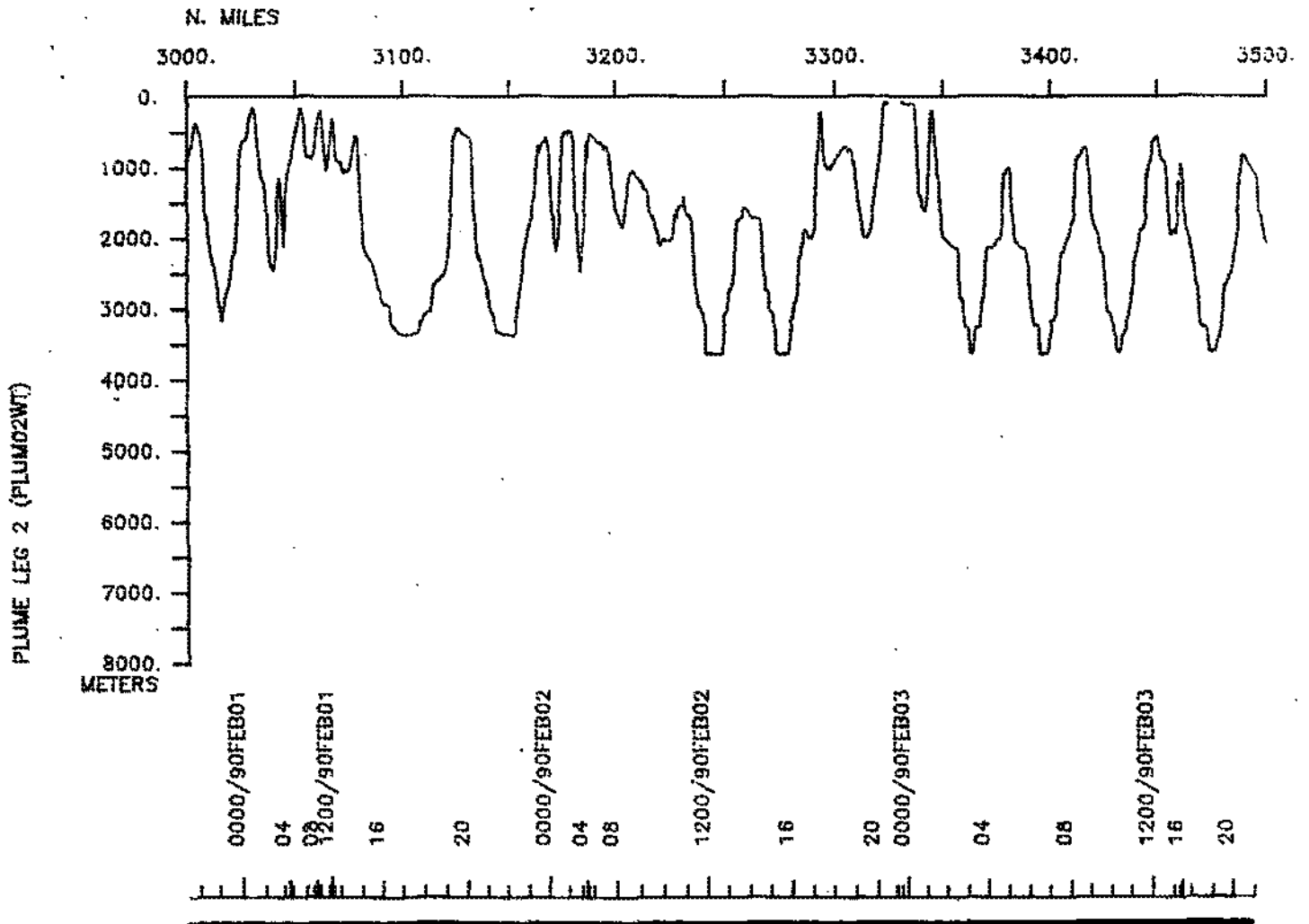
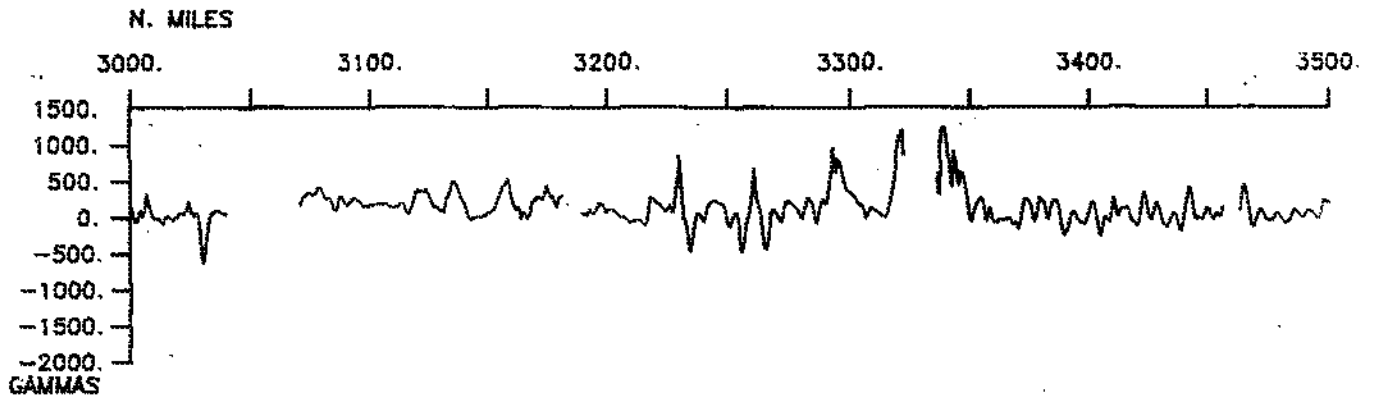
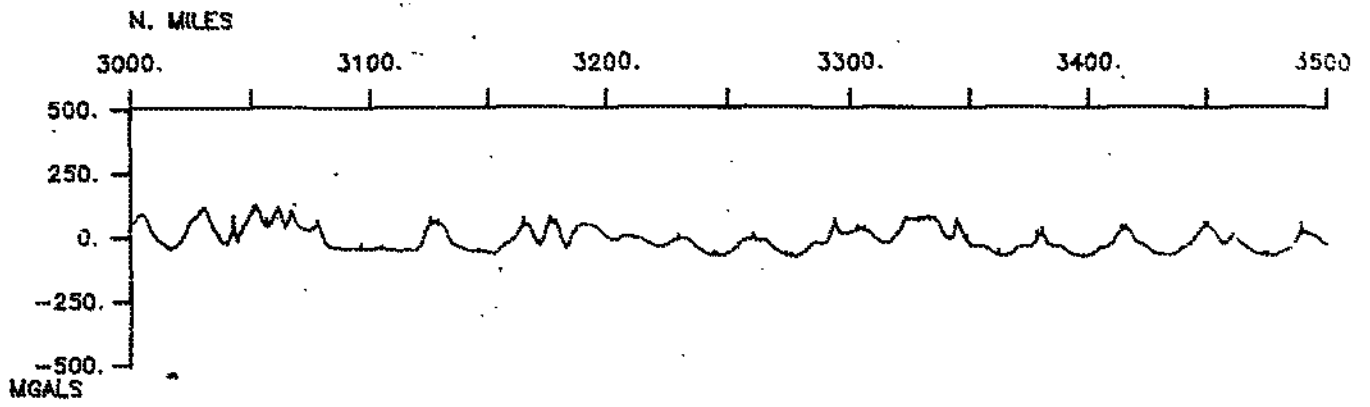


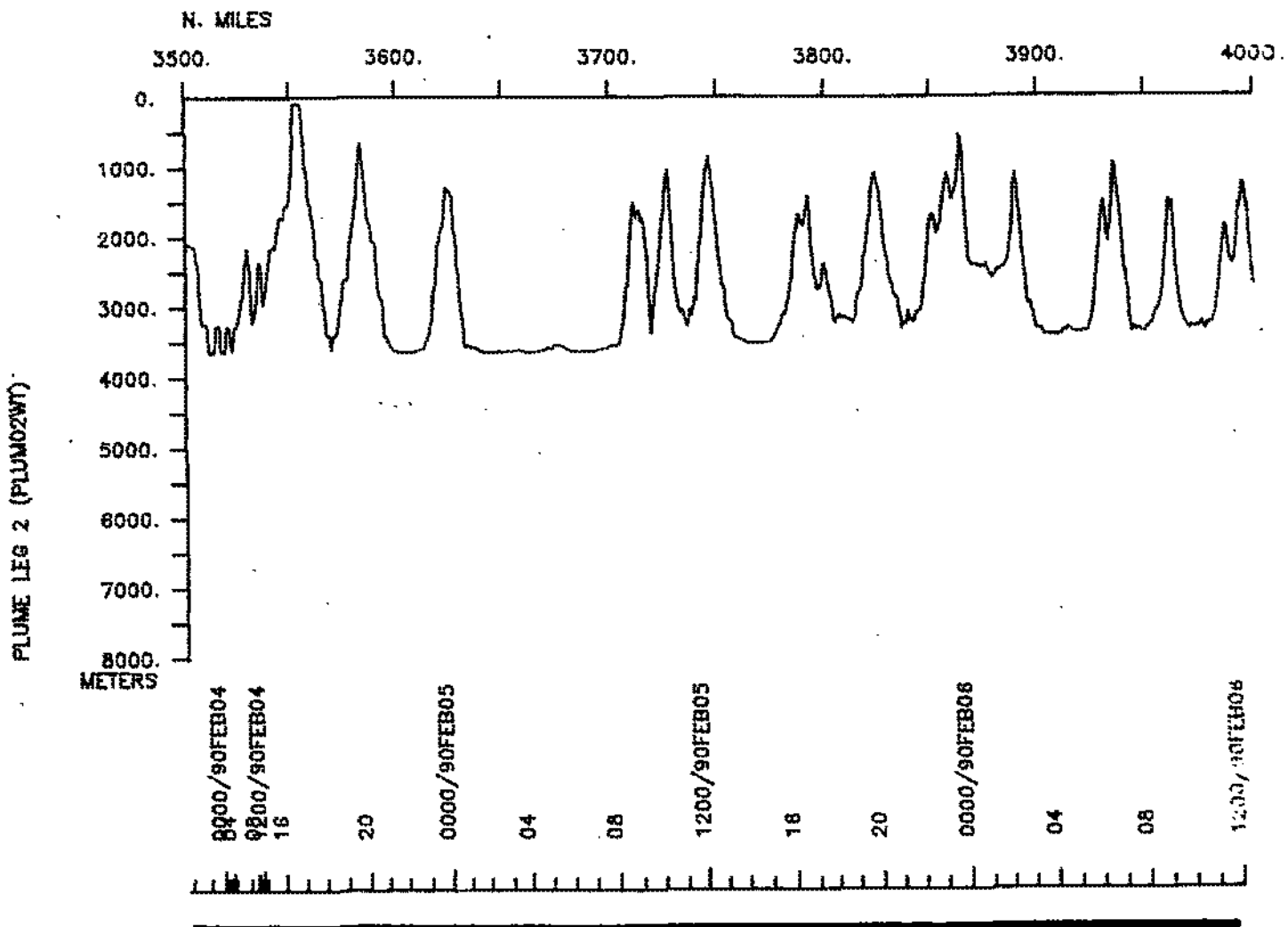
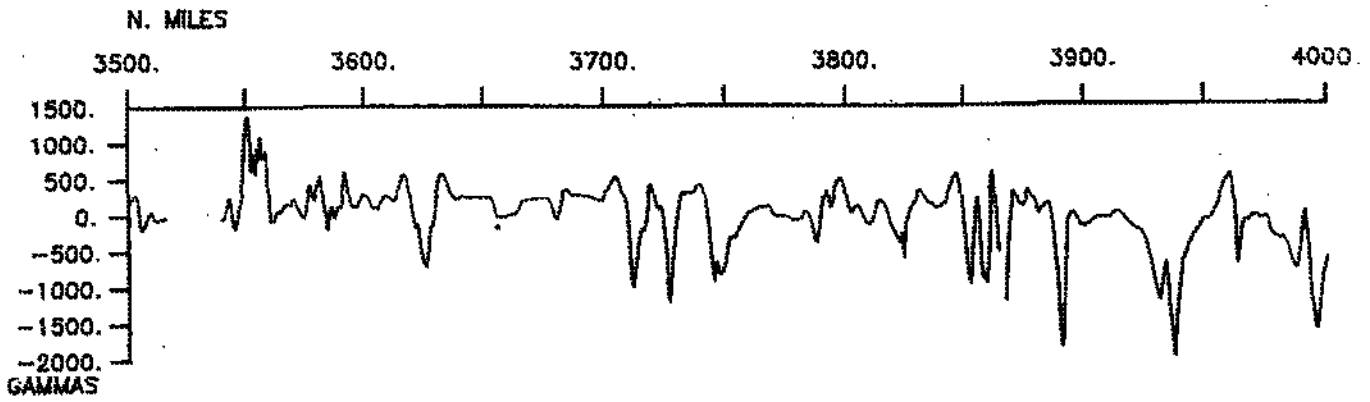


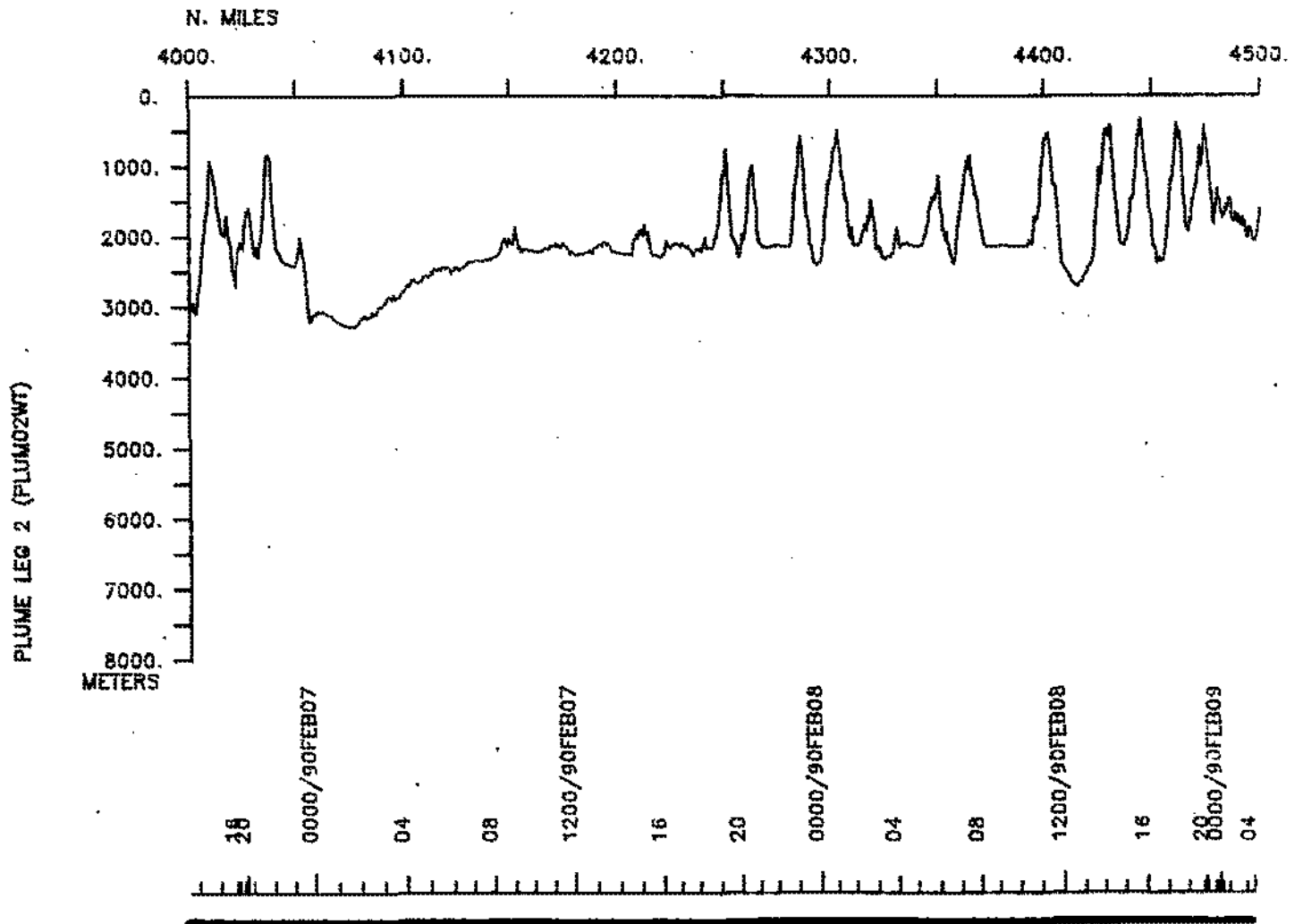
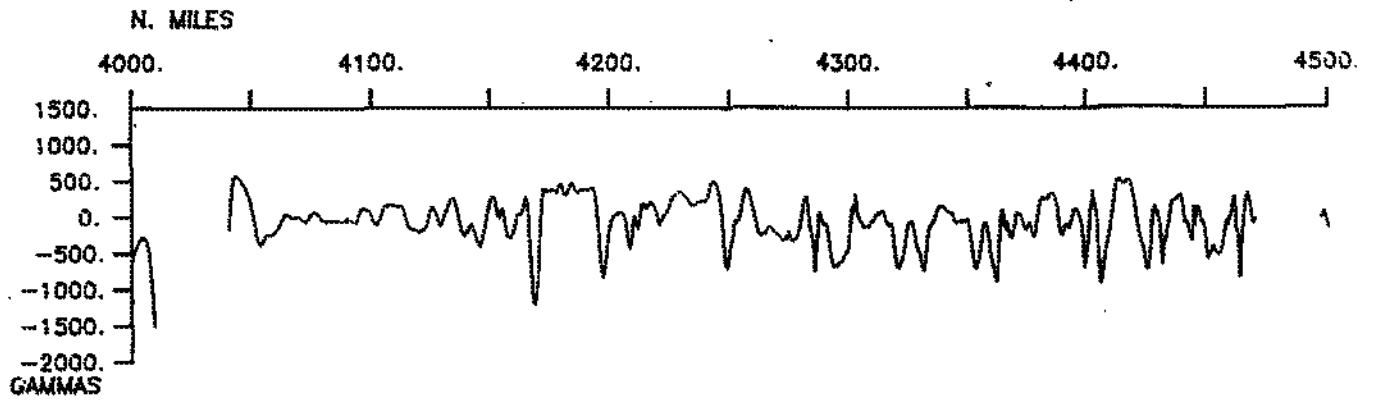
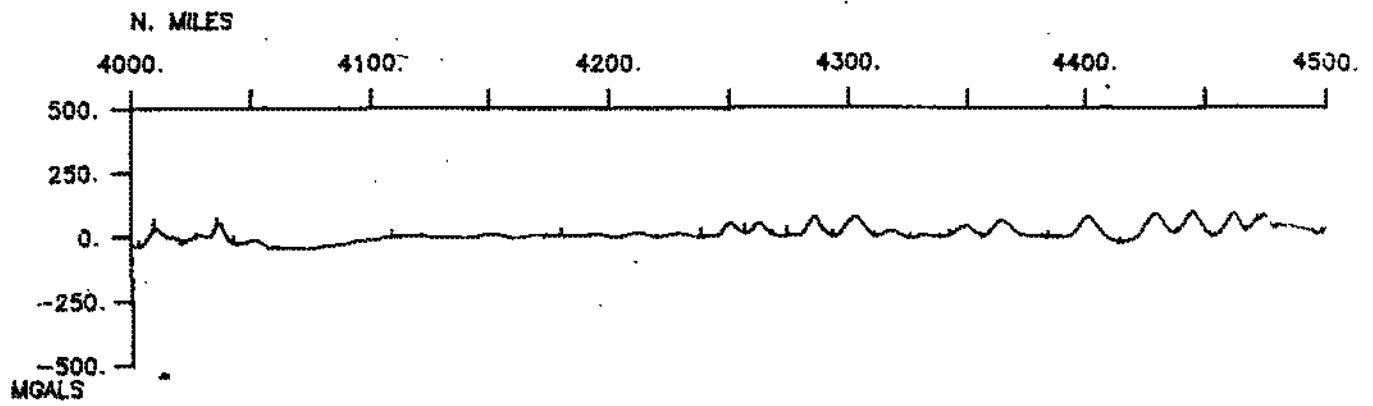


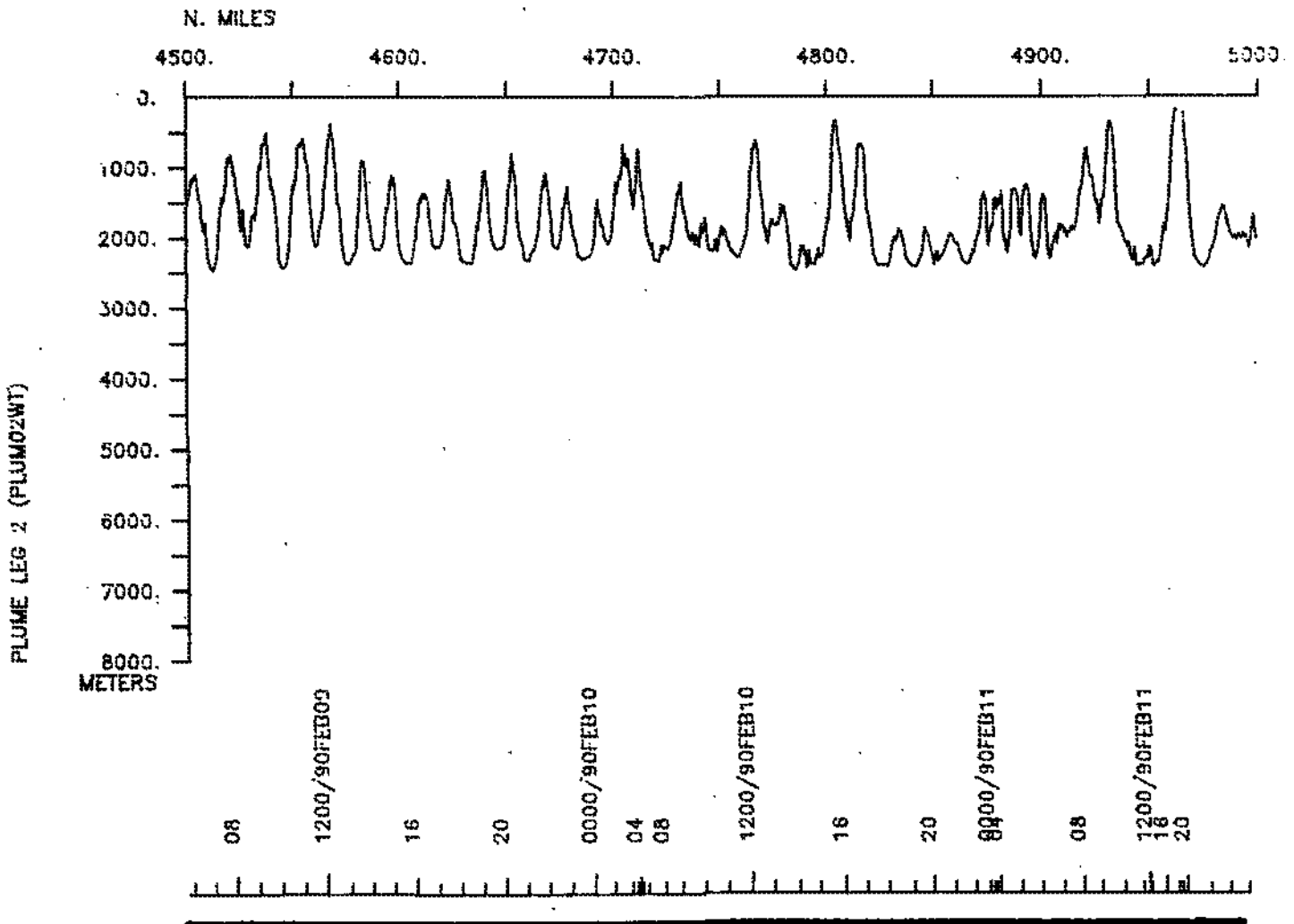
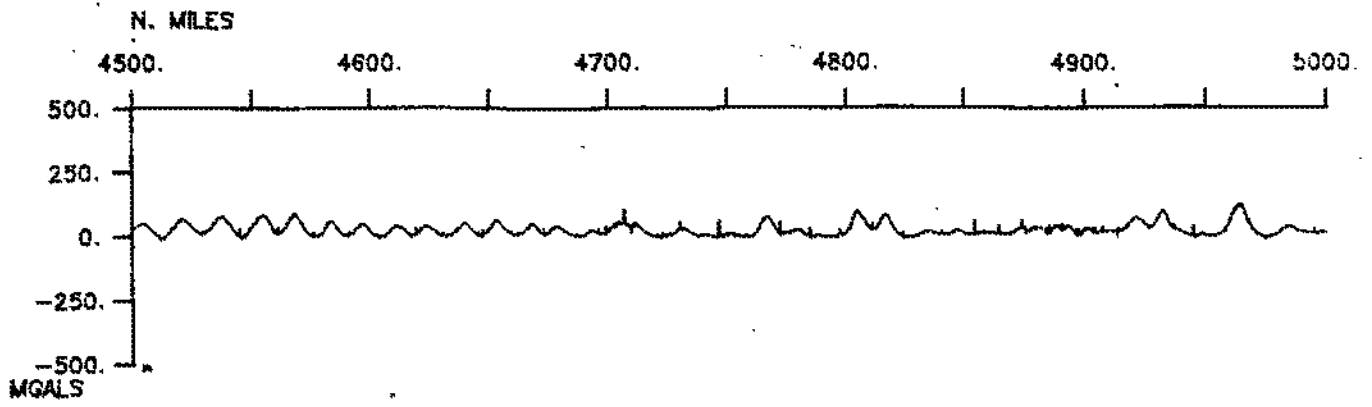


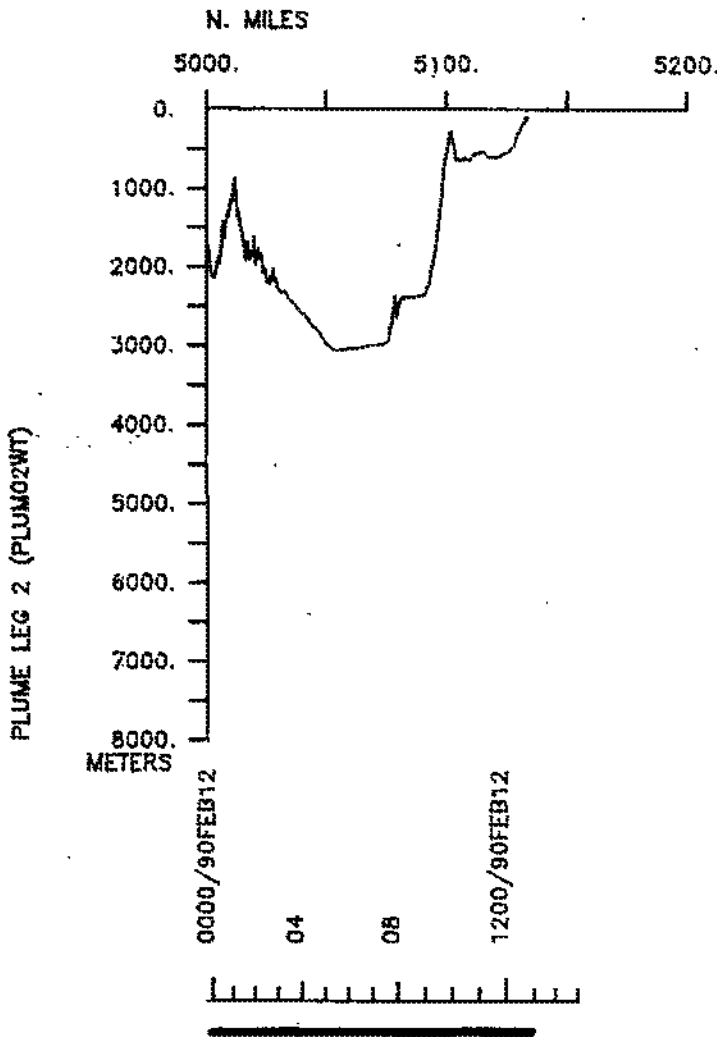
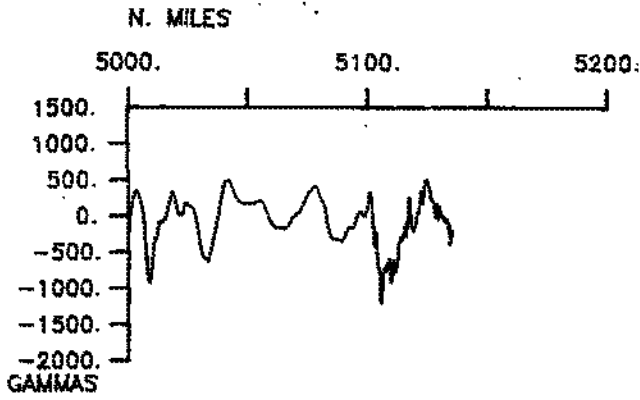
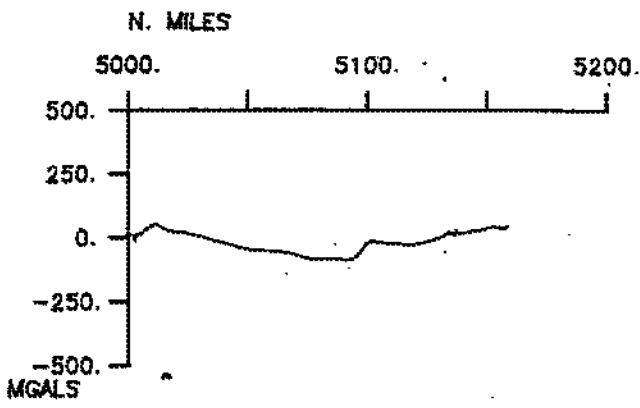












S.I.O. SAMPLE INDEX

(Issued March 1990)

PLUME EXPEDITION

Leg 2

=====

R/V T. Washington

Galapagos Islands (17 January 1990)
to
Galapagos Islands (12 February 1990)

Co-Chief Scientists:

D. Christie (Oregon State University)

R. Duncan (Oregon State University)

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.)

GDC Cruise I.D.# 246

****PORTS****

0400 170190	LGPT B GALAPAGOS,ECUADOR	0-476S	90-177W	sPLUMO2WT
1600 120290	LGPT E GALAPAGOS,ECUADOR	0-476S	90-177W	sPLUMO2WT

****PERSONNEL****

#	***NAME***	***TITLE***	***AFFILIATION***	**CRID**
PECS OSU	CHRISTIE,D.	CO-CHIEF SCIENT.	OREGON STATE UNIV	PLUMO2WT
PECS OSU	DUNCAN,R.	CO-CHIEF SCIENT.	OREGON STATE UNIV	PLUMO2WT
PEBO STS	ALBRIGHT,U.	S.B. OPERATOR	SCRIPPS INSTITUTION	PLUMO2WT
PEST OSU	DESONIE,D.	GRAD STUDENT	OREGON STATE UNIV	PLUMO2WT
PEST CLU	HARPP,K.	GRAD STUDENT	CORNELL UNIVERSITY	PLUMO2WT
PEST OSU	LORANG,M.	GRAD STUDENT	OREGON STATE UNIV	PLUMO2WT
PESP OSU	MCBIRNEY,A.	PROFESSOR	OREGON STATE UNIV	PLUMO2WT
PECT STS	MOORE,M.	COMPUTER TECH	SCRIPPS INSTITUTION	PLUMO2WT
PERT STS	PILLARD,G.	RESIDENT TECH	SCRIPPS INSTITUTION	PLUMO2WT
PEST OSU	PYLE,D.	GRAD STUDENT	OREGON STATE UNIV	PLUMO2WT
PESP UCB	RICHARDS,M.	SCIENTIST	U.C.SANTA BARBARA	PLUMO2WT
PEBT STS	STUEBER,D.	S.B. TECHNICIAN	SCRIPPS INSTITUTION	PLUMO2WT
PEST OSU	TAIT,J.	GRAD STUDENT	OREGON STATE UNIV	PLUMO2WT
PESP CLU	WHITE,W.	SCIENTIST	CORNELL UNIVERSITY	PLUMO2WT
PESP OSU	WILSON,J.	RESEARCH ASSIST.	OREGON STATE UNIV	PLUMO2WT
PEST OSU	WHITTER,J.	GRAD STUDENT	OREGON STATE UNIV	PLUMO2WT
PEOB EDR	VILLACRES,J.	OBSERVER	ECUADOR	PLUMO2WT

****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 TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
--------------------	-------------------------	------------------	--------------	----------------------	--------------	------	-------	--------------------

***UNDERWAY DATA CURATOR - S. M. SMITH EXT. 42752

LOG BOOKS

0412	170190		LBUW B	UNDERWAY LOG BOOK	GDC	0-495S	90-169W	sPLUM02WT
1246	120290		LBUW E	UNDERWAY LOG BOOK	GDC	0-477S	90-404W	sPLUM02WT

*** ECHO SOUNDER RECORDS - 12KHZ SEA BEAM MONITOR ***

0426	170190		MBRM B	SB MONITOR R-01	GDC	0-516S	90-152W	sPLUM02WT
1822	180190		MBRM E	SB MONITOR R-01	GDC	1-042S	85-441W	sPLUM02WT
1826	180190		MBRM B	SB MONITOR R-02	GDC	1-034S	85-441W	sPLUM02WT
0410	220190		MBRM E	SB MONITOR R-02	GDC	0-591S	88-162W	sPLUM02WT
0415	220190		MBRM B	SB MONITOR R-03	GDC	0-587S	88-156W	sPLUM02WT
0857	250190		MBRM E	SB MONITOR R-03	GDC	0-302S	88-320W	sPLUM02WT
0906	250190		MBRM B	SB MONITOR R-04	GDC	0-302S	88-321W	sPLUM02WT
1118	280190		MBRM E	SB MONITOR R-04	GDC	0-103S	89-360W	sPLUM02WT
1127	280190		MBRM B	SB MONITOR R-05	GDC	0-111S	89-367W	sPLUM02WT
1052	010290		MBRM E	SB MONITOR R-05	GDC	1-375S	90-109W	sPLUM02WT
1106	010290		MBRM B	SB MONITOR R-06	GDC	1-376S	90-108W	sPLUM02WT
1138	050290		MBRM E	SB MONITOR R-06	GDC	0-590S	91-350W	sPLUM02WT
1144	050290		MBRM B	SB MONITOR R-07	GDC	0-582S	91-346W	sPLUM02WT
2207	080290		MBRM E	SB MONITOR R-07	GDC	0-537N	91-187W	sPLUM02WT
2213	080290		MBRM B	SB MONITOR R-08	GDC	0-537N	91-186W	sPLUM02WT
0004	120290		MBRM E	SB MONITOR R-08	GDC	1-094N	91-366W	sPLUM02WT
0012	120290		MBRM B	SB MONITOR R-09	GDC	1-083N	91-362W	sPLUM02WT
1246	120290		MBRM E	SB MONITOR R-09	GDC	0-477S	90-404W	sPLUM02WT

#GMT #TIME #	DDMMYY DATE	LOC T TIME Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
*** ECHO SOUNDER RECORDS ***								
0437	170190		DPR3 B	3.5 KHZ R-01	GDC	0-533S	90-140W	sPLUMO2WT
2035	170190		DPR3 E	3.5 KHZ R-01	GDC	1-211S	87-222W	sPLUMO2WT
2047	170190		DPR3 B	3.5 KHZ R-02	GDC	1-212S	87-199W	sPLUMO2WT
0330	190190		DPR3 E	3.5 KHZ R-02	GDC	0-231S	85-093W	sPLUMO2WT
0445	190190		DPR3 B	3.5 KHZ R-03	GDC	0-251S	85-099W	sPLUMO2WT
0924	200190		DPR3 E	3.5 KHZ R-03	GDC	0-565S	87-313W	sPLUMO2WT
0929	200190		DPR3 B	3.5 KHZ R-04	GDC	0-564S	87-322W	sPLUMO2WT
2048	210190		DPR3 E	3.5 KHZ R-04	GDC	1-334S	88-188W	sPLUMO2WT
2053	210190		DPR3 B	3.5 KHZ R-05A	GDC	1-324S	88-188W	sPLUMO2WT
1126	230190		DPR3 E	3.5 KHZ R-05A	GDC	1-264S	88-255W	sPLUMO2WT
1134	230190		DPR3 B	3.5 KHZ R-05B	GDC	1-257S	88-244W	sPLUMO2WT
0857	250190		DPR3 E	3.5 KHZ R-05B	GDC	0-302S	88-320W	sPLUMO2WT
1007	250190		DPR3 B	3.5 KHZ R-06	GDC	0-280S	88-323W	sPLUMO2WT
2205	260190		DPR3 E	3.5 KHZ R-06	GDC	0-006S	89-259W	sPLUMO2WT
2229	260190		DPR3 B	3.5 KHZ R-07	GDC	0-004N	89-227W	sPLUMO2WT
1306	280190		DPR3 E	3.5 KHZ R-07	GDC	0-042S	89-364W	sPLUMO2WT
1317	280190		DPR3 B	3.5 KHZ R-08	GDC	0-041S	89-384W	sPLUMO2WT
1730	290190		DPR3 E	3.5 KHZ R-08	GDC	0-525S	89-585W	sPLUMO2WT
1741	290190		DPR3 B	3.5 KHZ R-09	GDC	0-522S	90-003W	sPLUMO2WT
2144	310190		DPR3 E	3.5 KHZ R-09	GDC	1-377S	90-054W	sPLUMO2WT
2159	310190		DPR3 B	3.5 KHZ R-10	GDC	1-399S	90-054W	sPLUMO2WT
2025	010290		DPR3 E	3.5 KHZ R-10	GDC	1-309S	90-272W	sPLUMO2WT
2031	010290		DPR3 B	3.5 KHZ R-11	GDC	1-318S	90-275W	sPLUMO2WT
0244	030290		DPR3 E	3.5 KHZ R-11	GDC	1-162S	90-582W	sPLUMO2WT
0255	030290		DPR3 B	3.5 KHZ R-12	GDC	1-177S	90-591W	sPLUMO2WT
0747	040290		DPR3 E	3.5 KHZ R-12	GDC	1-188S	90-561W	sPLUMO2WT
0800	040290		DPR3 B	3.5 KHZ R-13	GDC	1-189S	90-560W	sPLUMO2WT
1947	050290		DPR3 E	3.5 KHZ R-13	GDC	0-503S	91-316W	sPLUMO2WT
1955	050290		DPR3 B	3.5 KHZ R-14	GDC	0-491S	91-310W	sPLUMO2WT
1300	070290		DPR3 E	3.5 KHZ R-14	GDC	1-276N	91-245W	sPLUMO2WT

#GMT #TIME #	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1331	070290			DPR3 B	3.5 KHZ R-15	GDC	1-253N	91-296W	sPLUMO2WT
0043	090290			DPR3 E	3.5 KHZ R-15	GDC	0-530N	91-199W	sPLUMO2WT
0058	090290			DPR3 B	3.5 KHZ R-16	GDC	0-532N	91-202W	sPLUMO2WT
1822	100290			DPR3 E	3.5 KHZ R-16	GDC	1-489N	92-067W	sPLUMO2WT
1830	100290			DPR3 B	3.5 KHZ R-17	GDC	1-490N	92-083W	sPLUMO2WT
0318	120290			DPR3 E	3.5 KHZ R-17	GDC	0-432N	91-229W	sPLUMO2WT
0321	120290			DPR3 B	3.5 KHZ R-18	GDC	0-427N	91-227W	sPLUMO2WT
1246	120290			DPR3 E	3.5 KHZ R-18	GDC	0-477S	90-404W	sPLUMO2WT
*** SEABEAM ARCHIVE SWATH BOOKS ***									
0604	170190			MBSB B	SB SWATH BOOK 01	GDC	1-072S	90-049W	sPLUMO2WT
1319	180190			MBSB E	SB SWATH BOOK 01	GDC	1-566S	85-400W	sPLUMO2WT
1319	180190			MBSB B	SB SWATH BOOK 02	GDC	1-566S	85-400W	sPLUMO2WT
2334	210190			MBSB E	SB SWATH BOOK 02	GDC	1-010S	88-189W	sPLUMO2WT
2334	210190			MBSB B	SB SWATH BOOK 03	GDC	1-010S	88-189W	sPLUMO2WT
1805	250190			MBSB E	SB SWATH BOOK 03	GDC	0-100S	88-443W	sPLUMO2WT
1805	250190			MBSB B	SB SWATH BOOK 04	GDC	0-100S	88-443W	sPLUMO2WT
1005	290190			MBSB E	SB SWATH BOOK 04	GDC	1-0**S	89-066W	sPLUMO2WT
1005	290190			MBSB B	SB SWATH BOOK 05	GDC	1-0**S	89-066W	sPLUMO2WT
1815	010290			MBSB E	SB SWATH BOOK 05	GDC	1-409S	90-278W	sPLUMO2WT
1815	010290			MBSB B	SB SWATH BOOK 06	GDC	1-409S	90-278W	sPLUMO2WT
0259	060290			MBSB E	SB SWATH BOOK 06	GDC	0-191S	91-486W	sPLUMO2WT
0259	060290			MBSB B	SB SWATH BOOK 07	GDC	0-191S	91-486W	sPLUMO2WT
1029	100290			MBSB E	SB SWATH BOOK 07	GDC	1-175N	91-369W	sPLUMO2WT
1029	100290			MBSB B	SB SWATH BOOK 08	GDC	1-175N	91-369W	sPLUMO2WT
1239	120290			MBSB E	SB SWATH BOOK 08	GDC	0-463S	90-409W	sPLUMO2WT

#GMT #TIME #	DDMMYY DATE	LOC TIME Z	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
*** MAGNETIC (EARTH TOTAL FIELD) RECORDS ***									
0520	170190			MGRA B	MAGNETICS R-01	GDC	1-000S	90-095W	sPLUMO2WT
1430	220190			MGRA E	MAGNETICS R-01	GDC	1-329S	88-255W	sPLUMO2WT
1436	220190			MGRA B	MAGNETICS R-02	GDC	1-318S	88-255W	sPLUMO2WT
0647	070290			MGRA E	MAGNETICS R-02	GDC	0-559N	91-535W	sPLUMO2WT
0657	070290			MGRA B	MAGNETICS R-03	GDC	0-570N	91-523W	sPLUMO2WT
1254	120290			MGRA E	MAGNETICS R-03	GDC	0-482S	90-392W	sPLUMO2WT
*** GRAVITY COMPUTER LOGGED ***									
0412	170190			GVCR B	GRAVITY DATA	GDC	0-495S	90-169W	sPLUMO2WT
1600	120290			GVCR E	COMPUTER LOGGED	GDC	0-453S	90-175W	sPLUMO2WT
*** THERMOGRAPH RECORDS ***									
1745	180190			TGRC B	THERMOGRAPHS 1-9	GDC	1-076S	85-403W	sPLUMO2WT
1600	120290			TGRC E	THERMOGRAPHS 1-9	GDC	0-453S	90-175W	sPLUMO2WT
*** CORES ***									
1943	060290			COGV B	GLASS WAX CORER	OSU	0-139S	91-454W	sPLUMO2WT
1943	060290			COGV E	PLUMO2-01 1838M	OSU	0-139S	91-454W	sPLUMO2WT
0358	090290			COGV B	GLASS WAX CORER	OSU	0-497N	91-101W	sPLUMO2WT
0358	090290			COGV X	PLUMO2-02 1867M	OSU	0-497N	91-101W	sPLUMO2WT
0440	090290			COGV B	GLASS WAX CORER	OSU	0-497N	91-101W	sPLUMO2WT
0440	090290			COGV X	PLUMO2-03 1871M	OSU	0-497N	91-101W	sPLUMO2WT
0738	100290			COGV B	GLASS WAX CORER	OSU	0-577N	91-351W	sPLUMO2WT
0738	100290			COGV X	PLUMO2-04 2174M	OSU	0-577N	91-351W	sPLUMO2WT

#GMT #TIME	DDMMYY DATE	LOC TIME	T Z	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
#*** DREDGES ***									
0942	180190			DRRO B DR	PLUM02-01 2570M	OSU	2-015S	85-403W	sPLUM02WT
1122	180190			DRRO E DR	PLUM02-01 2137M	OSU	2-005S	85-397W	sPLUM02WT
0206	190190			DRRO B DR	PLUM02-02 2140M	OSU	0-224S	85-099W	sPLUM02WT
0324	190190			DRRO E DR	PLUM02-02 2140M	OSU	0-230S	85-094W	sPLUM02WT
1356	190190			DRRO B DR	PLUM02-03 2035M	OSU	1-004S	85-395W	sPLUM02WT
1512	190190			DRRO E DR	PLUM02-03 1885M	OSU	1-016S	85-401W	sPLUM02WT
0429	200190			DRRO B DR	PLUM02-04 1882M	OSU	0-559S	87-075W	sPLUM02WT
0529	200190			DRRO E DR	PLUM02-04 1250M	OSU	0-569S	87-070W	sPLUM02WT
2107	220190			DRRO B DR	PLUM02-05 875M	OSU	1-166S	88-208W	sPLUM02WT
2233	220190			DRRO E DR	PLUM02-05 570M	OSU	1-174S	88-214W	sPLUM02WT
0149	230190			DRRO B DR	PLUM02-06 1000M	OSU	1-196S	88-256W	sPLUM02WT
0258	230190			DRRO E DR	PLUM02-06 845M	OSU	1-171S	88-257W	sPLUM02WT
0823	230190			DRRO B DR	PLUM02-07 1875M	OSU	1-308S	88-253W	sPLUM02WT
1015	230190			DRRO E DR	PLUM02-07 1430M	OSU	1-283S	88-259W	sPLUM02WT
1525	230190			DRRO B DR	PLUM02-08 1004M	OSU	1-070S	88-158W	sPLUM02WT
1627	230190			DRRO E DR	PLUM02-08 917M	OSU	1-060S	88-162W	sPLUM02WT
0607	250190			DRRO B DR	PLUM02-09 1425M	OSU	0-281S	88-321W	sPLUM02WT
0851	250190			DRRO E DR	PLUM02-09 935M	OSU	0-302S	88-320W	sPLUM02WT
1206	250190			DRRO B DR	PLUM02-10 1141M	OSU	0-341S	88-354W	sPLUM02WT
1254	250190			DRRO E DR	PLUM02-10 1006M	OSU	0-330S	88-354W	sPLUM02WT
2218	250190			DRRO B DR	PLUM02-11 1309M	OSU	0-116S	88-407W	sPLUM02WT
2345	250190			DRRO E DR	OLUM02-11 702M	OSU	0-122S	88-416W	sPLUM02WT
0219	260190			DRRO B DR	PLUM02-12 1378M	OSU	0-147S	88-382W	sPLUM02WT
0337	260190			DRRO E DR	PLUM02-12 1123M	OSU	0-129S	88-393W	sPLUM02WT

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1422	270190			DRRO B	DR PLUM02-13 1450M	OSU	0-058N	89-030W	sPLUM02WT
1540	270190			DRRO E	DR PLUM02-13 761M	OSU	0-046N	89-027W	sPLUM02WT
0030	280190			DRRO B	DR PLUM02-14 1639M	OSU	0-062N	89-065W	sPLUM02WT
0209	280190			DRRO E	DR PLUM02-14 1090M	OSU	0-043N	89-072W	sPLUM02WT
1503	280190			DRRO X	DR PLUM02-15	OSU	0-076S	89-399W	sPLUM02WT
1845	280190			DRRO B	DR PLUM02-16 1688M	OSU	0-065S	89-413W	sPLUM02WT
2019	280190			DRRO E	DR PLUM02-16 1320M	OSU	0-067S	89-406W	sPLUM02WT
0859	290190			DRRO B	DR PLUM02-17 640M	OSU	1-114S	89-066W	sPLUM02WT
1009	290190			DRRO E	DR PLUM02-17 294M	OSU	1-099S	89-065W	sPLUM02WT
0304	010290			DRRO B	DR PLUM02-18 1892M	OSU	1-408S	90-129W	sPLUM02WT
0437	010290			DRRO E	DR PLUM02-18 950M	OSU	1-396S	90-108W	sPLUM02WT
0656	010290			DRRO X	DR PLUM02-19	OSU	1-349S	90-097W	sPLUM02WT
1124	010290			DRRO B	DR PLUM02-20 965M	OSU	1-377S	90-107W	sPLUM02WT
1313	010290			DRRO E	DR PLUM02-20 310M	OSU	1-378S	90-087W	sPLUM02WT
0336	020290			DRRO B	DR PLUM02-21	OSU	1-321S	90-234W	sPLUM02WT
0612	020290			DRRO X	DR PLUM02-21	OSU	1-304S	90-237W	sPLUM02WT
1439	030290			DRRO B	DR PLUM02-22 1842M	OSU	1-182S	90-449W	sPLUM02WT
1646	030290			DRRO E	DR PLUM02-22 1245M	OSU	1-174S	90-446W	sPLUM02WT
0209	040290			DRRO B	DR PLUM02-23 3397M	OSU	1-200S	90-598W	sPLUM02WT
0439	040290			DRRO E	DR PLUM02-23 3350M	OSU	1-200S	91-000W	sPLUM02WT
0858	040290			DRRO B	DR PLUM02-24 3039M	OSU	1-186S	90-556W	sPLUM02WT
1338	040290			DRRO E	DR PLUM02-24 2399M	OSU	1-175S	90-549W	sPLUM02WT

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1614	060290			DRRO B	DR PLUM02-25 2465M	OSU	0-164S	91-470W	sPLUM02WT
1746	060290			DRRO E	DR PLUM02-25 1925M	OSU	0-163S	91-464W	sPLUM02WT
1943	080290			DRRO B	DR PLUM02-26 851M	OSU	0-506N	91-173W	sPLUM02WT
2047	080290			DRRO E	DR PLUM02-26 500M	OSU	0-502N	91-177W	sPLUM02WT
2317	080290			DRRO B	DR PLUM02-27 1650M	OSU	0-534N	91-189W	sPLUM02WT
0042	090290			DRRO E	DR PLUM02-27 1464M	OSU	0-530N	91-199W	sPLUM02WT
0302	100290			DRRO B	DR PLUM02-28 1454M	OSU	1-002N	91-334W	sPLUM02WT
0500	100290			DRRO E	DR PLUM02-28 911M	OSU	1-015N	91-333W	sPLUM02WT
0028	110290			DRRO B	DR PLUM02-29 1863M	OSU	1-544N	92-107W	sPLUM02WT
0235	110290			DRRO E	DR PLUM02-29 1582M	OSU	1-540N	92-097W	sPLUM02WT
1245	110290			DRRO B	DR PLUM02-30 2395M	OSU	1-336N	91-557W	sPLUM02WT
1410	110290			DRRO E	DR PLUM02-30 2116M	OSU	1-335N	91-556W	sPLUM02WT
#					END SAMPLE INDEX				