INFORMAL REPORT AND INDEX OF

NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

(Issued August 1983)

SEAMOUNT EXPEDITION

LEG 1

San Diego, Calif. (17 June 1983)
to
San Diego, Calif. (28 June 1983)

R/V T. Washington

Chief Scientist - P. Lonsdale

Resident Marine Tech - R. Comer

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

Data Collection Funded by ONR
Grant Number ONR-0440 and ONR-0472
Data Processing funded by SIA, ONR and NSF

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.# - 208

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 - 12 and 3.5 kHz frequency
   b. Subbottom profiler records (airgun)
   c. Magnetometer records
   d. Underway data log

Rev June 1982 (Sea Beam)

S.I.O. Sea Beam Data

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

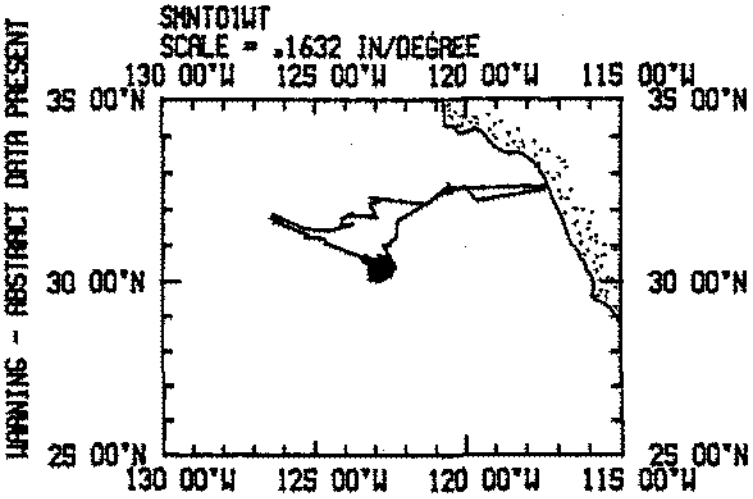
1) Archive copy of contour swath books generated in real time on board ship available for inspection at the data center.

2) Microfilm (35mm flowfilm) containing swath books plus, for some cruises, the UGR monitor record and navigation listings.

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

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

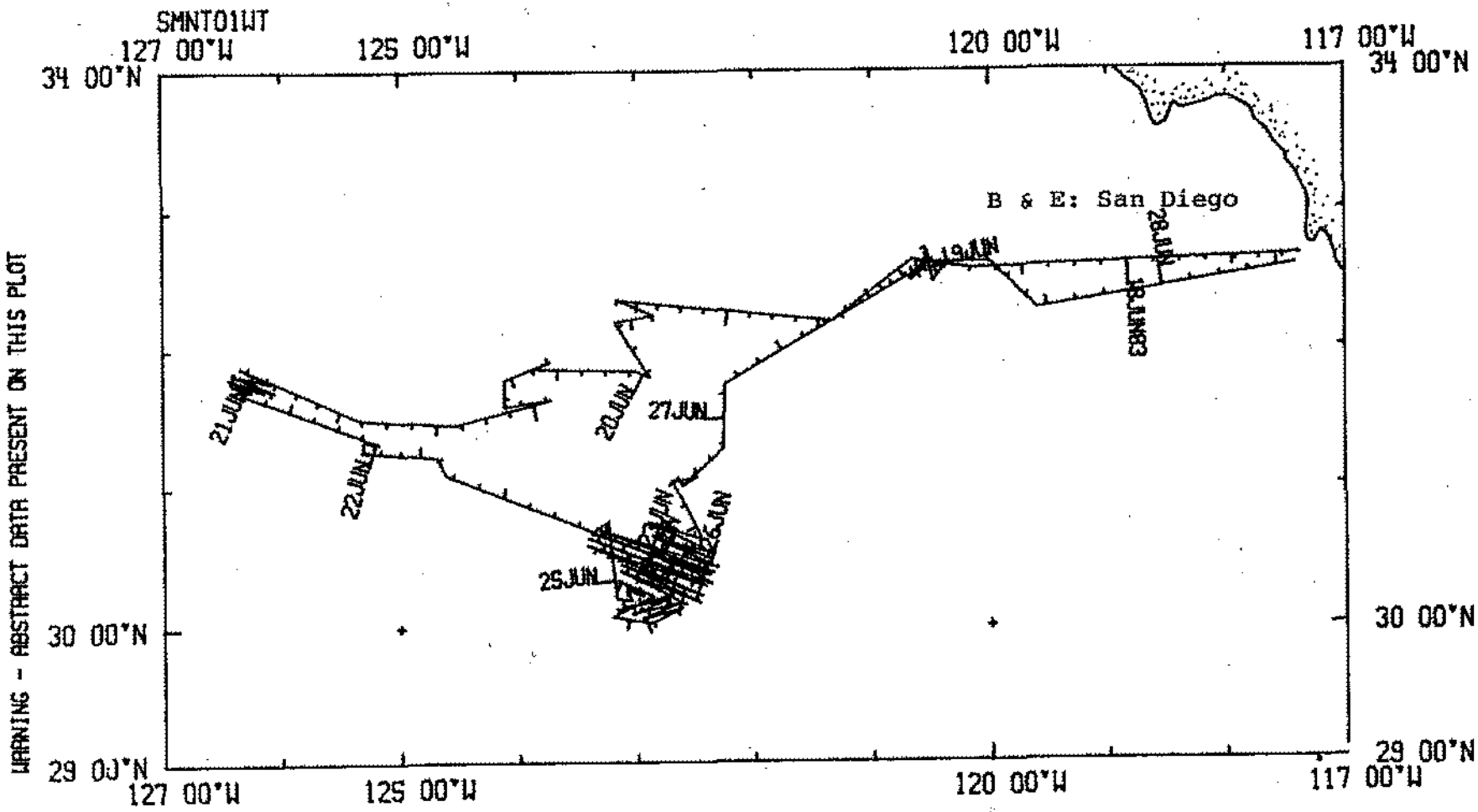
S. M. Smith June 1982

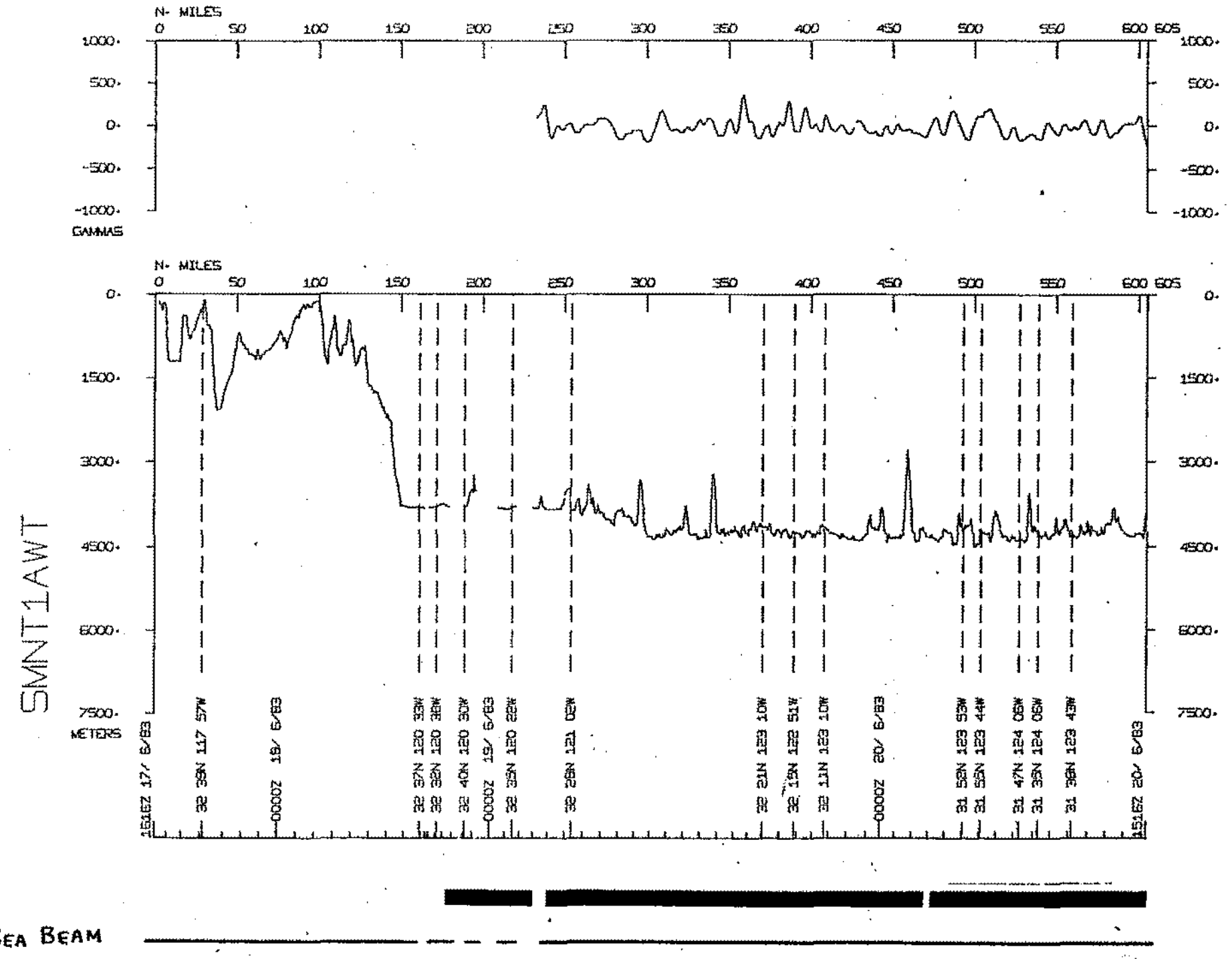


SEAMOUNT EXPEDITION
LEG 1

CHIEF SCIENTIST- P. Lonsdale
Ports: San Diego - San Diego, Calif.
Dates: 17 -28 June 1983
Ship: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED
1) Cruise - 2563 miles
2) Bathymetry - 2528 miles
3) Magnetics - 2143 miles
4) Seismic Reflection - 1933 miles
5) Gravity - 2563 miles
6) Seabeam - 2528 miles


SMNT01WT
127 00°W
125 00°W
120 00°W
117 00°W
34 00°N
30 00°N
29 00°N
B & E: San Diego
21JUN
22JUN
20JUN
27JUN
25JUN
19JUN
28JUN
WARNING - ABSTRACT DATA PRESENT ON THIS PLOT


N- MILES
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
SMNT1AWT
1516Z 17/ 6/83
32 39N 117 57W
0000Z 19/ 6/83
32 37N 120 33W
32 32N 120 38W
32 40N 120 30W
0000Z 19/ 6/83
32 35N 120 22W
32 28N 121 02W
32 21N 123 10W
32 15N 122 51W
32 11N 123 10W
0000Z 20/ 6/83
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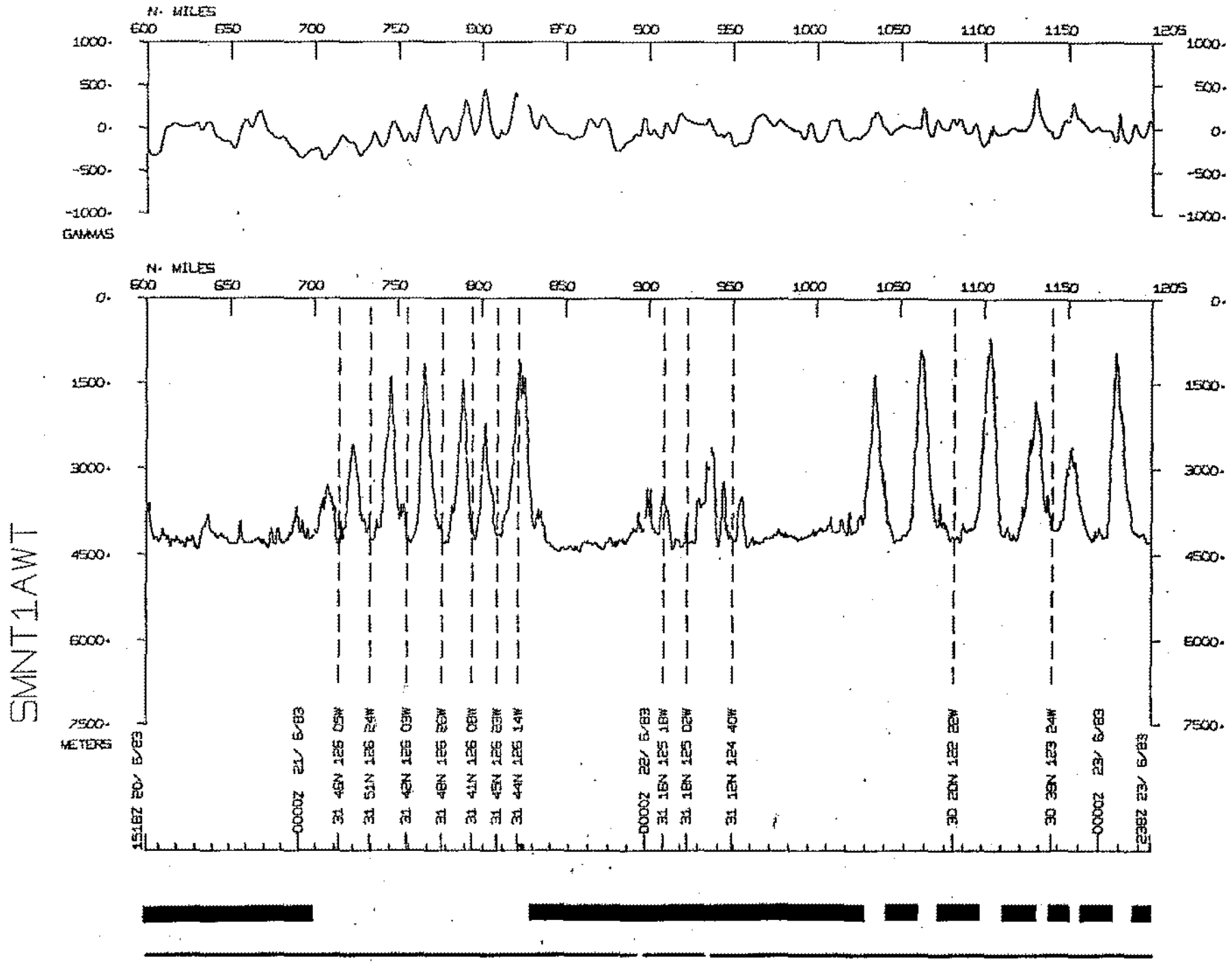
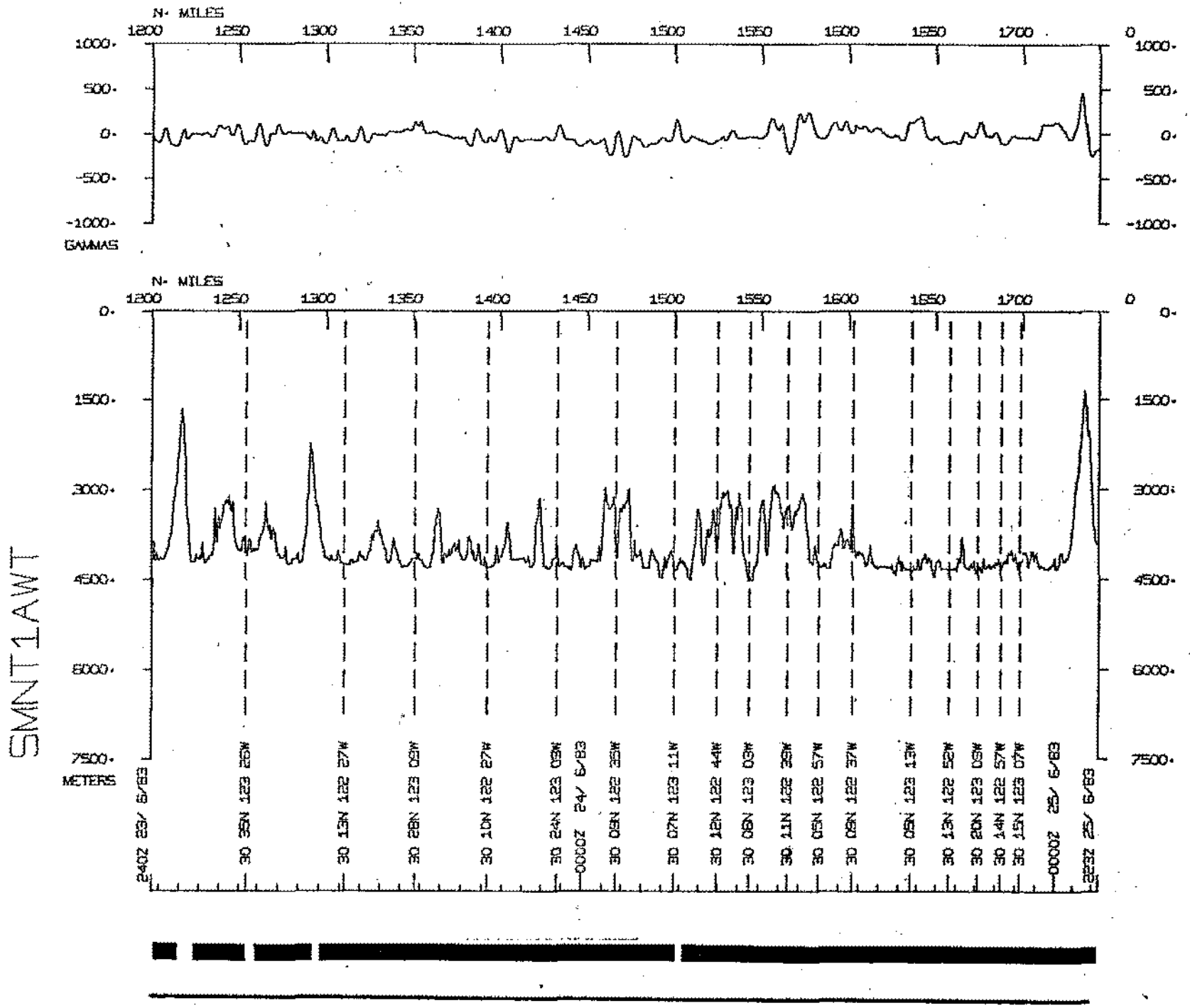
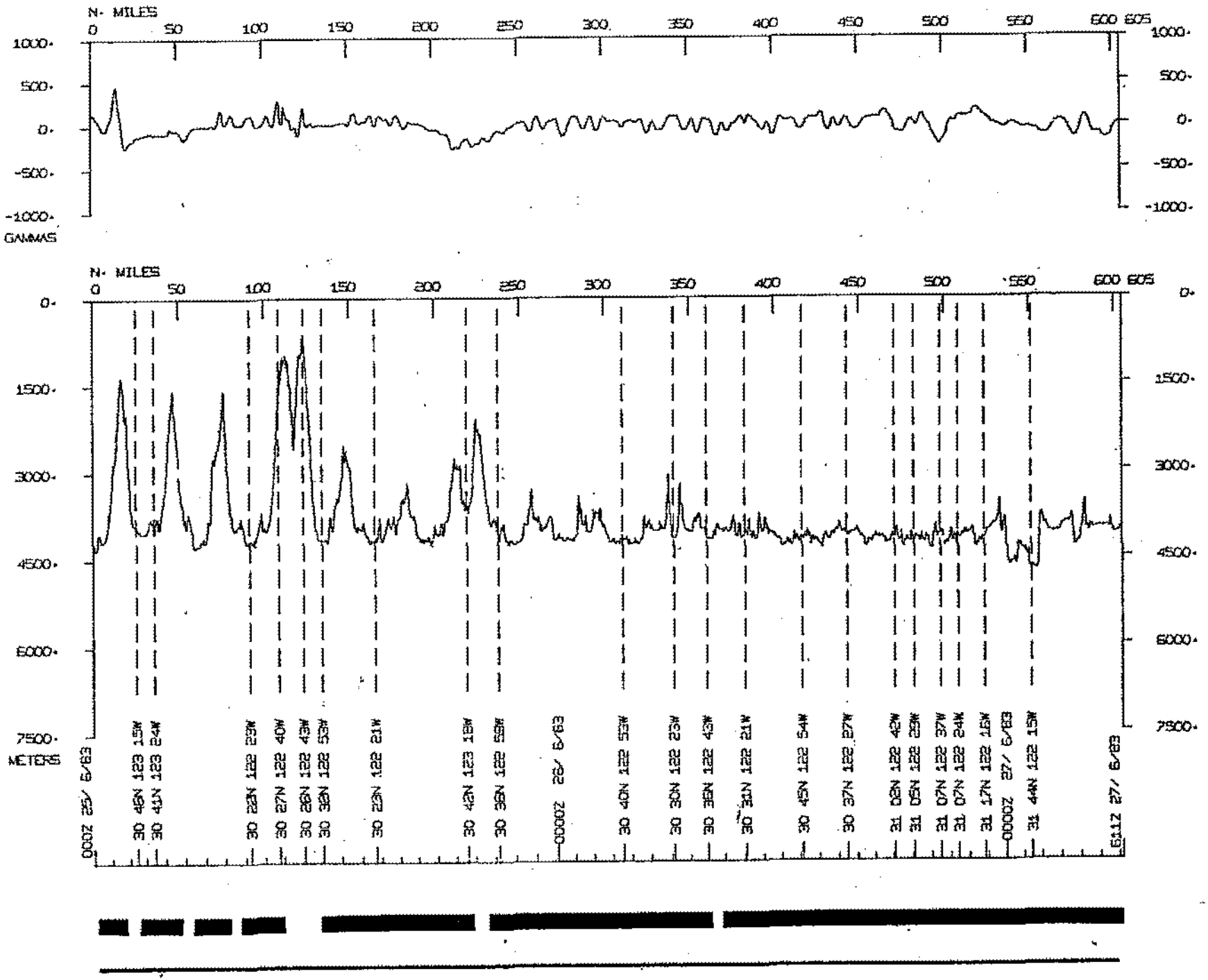
31 55N 123 44W
31 47N 124 06W
31 35N 124 06W
31 36N 123 43W
1516Z 20/ 6/83
SEA BEAM

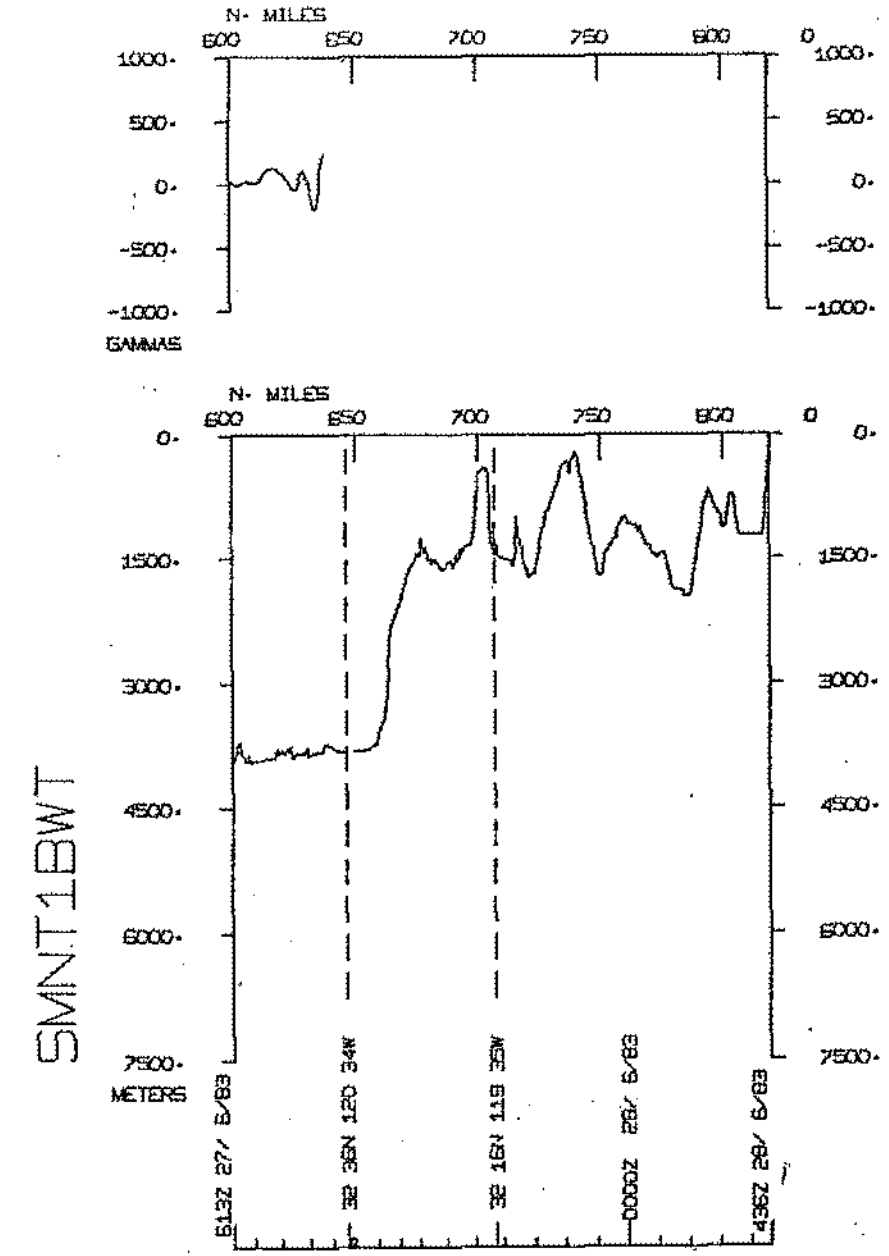

N. MILES
600 650 700 750 800 850 900 950 1000 1050 1100 1150 1205
1000. 500. 0. -500. -1000.
GAMMAS
N. MILES
600 650 700 750 800 850 900 950 1000 1050 1100 1150 1205
0. 1500. 3000. 4500. 6000. 7500.
METERS
SMNT1AWT
15182 20/ 6/83
00002 21/ 6/83
31 49N 126 05W
31 51N 126 24W
31 42N 126 03W
31 48N 126 20W
31 41N 126 08W
31 45N 126 23W
31 44N 126 14W
00002 22/ 6/83
31 18N 125 18W
31 18N 125 02W
31 12N 124 40W
30 20N 122 22W
30 38N 123 24W
00002 23/ 6/83
23382 23/ 6/83


N. MILES
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1000.
500.
0.
-500.
-1000.
GAMMAS
N. MILES
0.
1500.
3000.
4500.
6000.
7500.
METERS
SMNT1AWT
2402 23/ 6/83
30 36N 123 25W
30 13N 122 27W
30 28N 123 09W
30 10N 122 27W
30 24N 123 05W
00002 24/ 6/83
30 08N 122 35W
30 07N 123 11W
30 18N 122 44W
30 08N 123 03W
30 11N 122 38W
30 05N 122 57W
30 09N 122 37W
30 05N 123 13W
30 13N 122 52W
30 20N 123 09W
30 14N 122 57W
30 15N 123 07W
00002 25/ 6/83
2232 25/ 6/83

Add 11 miles to mileage shown



Add 11 miles to mileage shown



S.I.O. Sample Index

(Issued August 1983)

SEAMOUNT

~~SEABEAM~~ EXPEDITION

Leg 1

San Diego, Calif. (17 June 1983)
to
San Diego, Calif. (28 June 1983)

R/V Melville

Chief Scientist - P. Lonsdale

Resident Marine Tech - R. Comer

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

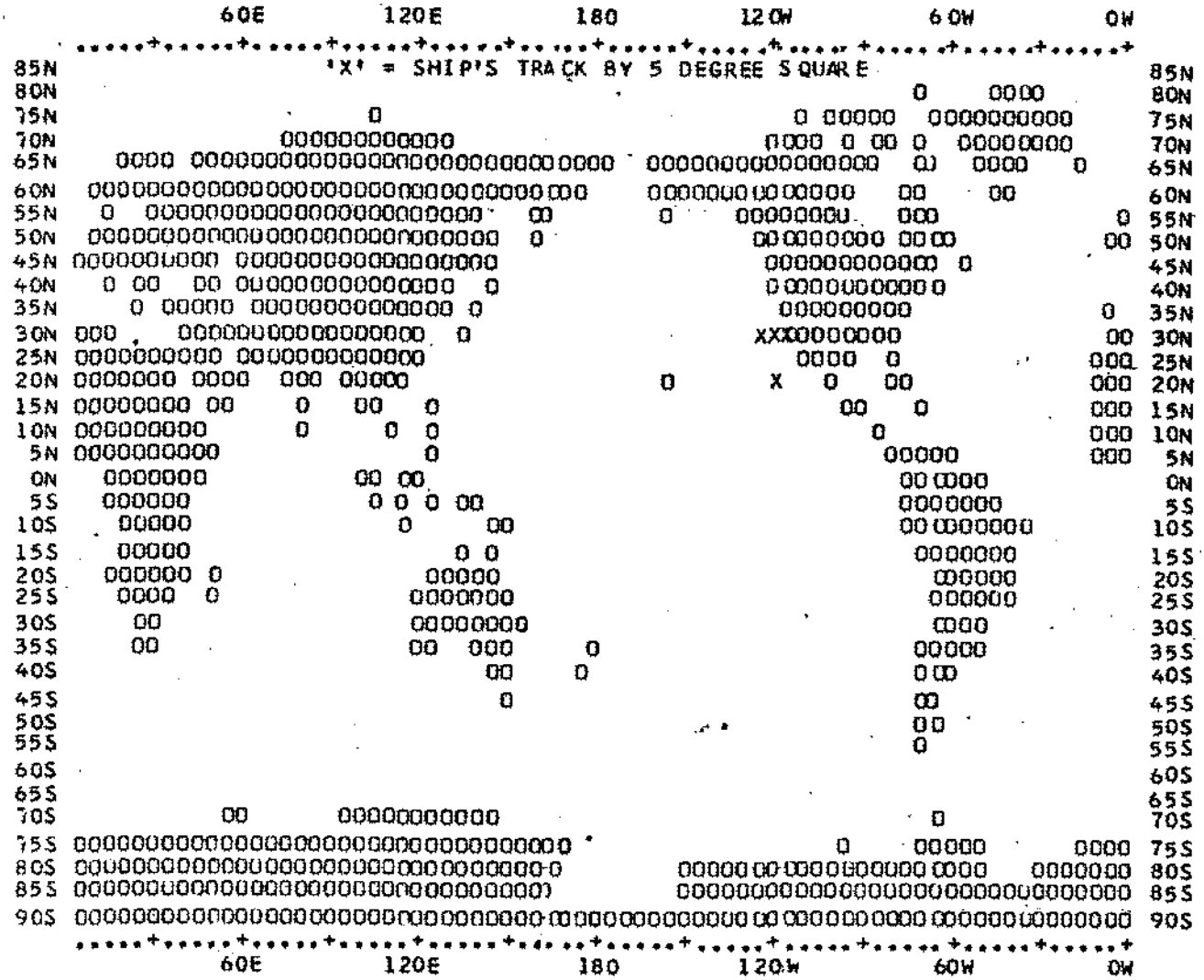
The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident technician and processed on shore by the S.I.O. Geological Data 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.# -208

S.I.O. SAMPLE INDEX GENERATED 06SEP83

*** SEAMOUNT LEG 1 SAMPLE INDEX (SMNTO1WT) ***



17JUN83 - SAN DIEGO, CALIF

TO

28JUN83 - SAN DIEGO, CALIF

CHIEF SCIENTIST - LONSDALE, P. 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	SB	SP	TG	
FNC								2				2
GCR			3									3
GDC		2			2	13	1			5	1	24
GRD								11		1		12
LMD	1			1					7			9
MPL								1				1
MTG								1				1
SCG								2				2
SGG								1				1
SIX								3				3
TOTAL	1	2	3	1	2	13	1	21	7	6	1	58

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
SB = SEISMIC BUOY
SP = SEISMIC REFLECTION PROFILE AIRGUN
TG = THERMOGRAPH

SAMPLE 'DISP' CODES USED ABOVE

FNC = FRANCE
GCR = GEOLOGICAL CURATING FACILITY -- W. RIEDEL, (EXT. 4386)
GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
LMD = LEROY M. DORMAN (EXT. 2406)
MPL = MARINE PHYSICAL LAB. (EXT 2305)
MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
SCG = SHIPBOARD COMPUTER GROUP (EXT. 4195)
SGG = SHIPBOARD GEOPHYSICAL GROUP--P. CRAMPTON (EXT. 2075)
SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT. 3675)

GMT D /M /Y TIME DATE	LOC LOC TIME TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
			SEAMOUNT LEG 1 SAMPLE INDEX				SMNT01WT
*** PORTS ***							
1505 17/ 6/83		LGPT B	SAN DIEGO,CAL		32 43. N	117 11. W	F SMNT01WT
0650 28/ 6/83		LGPT E	SAN DIEGO,CAL		32 43. N	117 11. W	F SMNT01WT

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 LONSDALE,P.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
2 DORMAN,L.	SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3 SHIPLEY,T.	SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 COMER,R.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 CHARTERS,J.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6 CRAMPTON,P.	AIRGUN TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7 HYLAS,T.	SEABEAM ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
8 LINZER,M.	SEABEAM OPERATOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
9 WILLOUGHBY,D.	ELECT. ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
10 WEEKS,D.	ELECT.TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
11 SAUTER,A.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
12 TANZER,M.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
13 BENGTSON,M.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
14 RENSBERG,A.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
15 STURTZ,A.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
16 SMITH,D.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
17 HALL,R.	VOLUNTEER	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
18 FORTI,S.	STUDENT	FRANCE
19 WYATT,A.	OBSERVER	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
20 BATTERSON,B.	VOLUNTEER	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
21 FLOC,H.	TECHNICIAN	FRANCE

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 M. SMITH EXT. 2752 ***										
*** LOG BOOKS ***										
1505	17/ 6/83			LBUW B	UNDERWAY WATCH LOG	GDC	32 40.0N	117 14.4W	S	SMNT01WT
0451	28/ 6/83			LBUW E	UNDERWAY WATCH LOG	GDC	32 35.5N	117 23.0W	S	SMNT01WT
1505	17/ 6/83			LBSC B	SEABEAM LOG BOOK	GDC	32 40.0N	117 14.4W	S	SMNT01WT
0500	28/ 6/83			LBSC E	SEABEAM LOG BOOK	GDC	32 35.5N	117 23.0W	S	SMNT01WT
*** FATHOGRAMS ***										
1834	18/ 6/83			DPR3 B	3.5 KHZ EPC R-01	GDC	32 34.9N	120 33.2W	S	SMNT01WT
0447	19/ 6/83			DPR3 E	3.5 KHZ EPC R-01	GDC	32 31.5N	120 56.8W	S	SMNT01WT
0454	19/ 6/83			DPR3 B	3.5 KHZ EPC R-02	GDC	32 31.0N	120 57.1W	S	SMNT01WT
0908	26/ 6/83			DPR3 E	3.5 KHZ EPC R-02	GDC	30 36.4N	122 33.4W	S	SMNT01WT
*** MAGNETOMETER ***										
1900	18/ 6/83			MGRA B	MAGNETICS R-01	GDC	32 32.8N	120 36.7W	S	SMNT01WT
0945	27/ 6/83			MGRA E	MAGNETICS R-01	GDC	32 31.6N	120 41.0W	S	SMNT01WT
GRAVIMETRIC RECORDS										
1955	17/ 6/83			GVRA B	GRAVIMETER	LMD	32 39.4N	117 57.0W	S	SMNT01WT
0600	28/ 6/83			GVRA E	GRAVIMETER	LMD	32 35.5N	117 23.0W	S	SMNT01WT
SEABEAM MONITOR RECORD - VERTICAL BEAM										
1530	17/ 6/83			MBMR B	SB MONITOR EPC R-01	GDC	32 40.0N	117 14.4W	S	SMNT01WT
0750	22/ 6/83			MBMR E	SB MONITOR EPC R-01	GDC	30 57.0N	124 10.6W	S	SMNT01WT
0757	22/ 6/83			MBMR B	SB MONITOR EPC R-02	GDC	30 56.5N	124 09.1W	S	SMNT01WT
0440	28/ 6/83			MBMR E	SB MONITOR EPC R-02	GDC	32 35.6N	117 23.9W	S	SMNT01WT
SEABEAM MAG TAPE - RAW LOGGED DATA										
1615	17/ 6/83			MBMT B	SB MAG TAPE 1	GDC	32 39.9N	117 20.1W	S	SMNT01WT
2358	20/ 6/83			MBMT E	SB MAG TAPE 1	GDC	31 50.9N	126 14.0W	S	SMNT01WT
0000	21/ 6/83			MBMT B	SB MAG TAPE 2	GDC	31 50.9N	126 14.0W	S	SMNT01WT
2358	25/ 6/83			MBMT E	SB MAG TAPE 2	GDC	31 50.9N	126 14.0W	S	SMNT01WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.		LEG-SHIP CRUISE
0000	26/ 6/83			MBMT	B SB MAG TAPE 3	GDC	31 50.9N	126 14.0W	S	SMNT01WT
0430	28/ 6/83			MBMT	E SB MAG TAPE 3	GDC	32 35.6N	117 26.4W	S	SMNT01WT
SEABEAM SWATH BOOK - REALTIME CONTOUR SWATH										
1653	17/06/83			MBSB	B SB SWATH BOOK 1	GDC	32 39.9N	117 20.1W	S	SMNT01WT
0140	19/06/83			MBSB	E SB SWATH BOOK 1	GDC	32 35.9N	120 24.1W	S	SMNT01WT
0305	19/06/83			MBSB	B SB SWATH BOOK 2	GDC	32 38.4N	120 37.6W	S	SMNT01WT
1705	20/06/83			MBSB	E SB SWATH BOOK 2	GDC	31 29.3N	124 54.6W	S	SMNT01WT
1705	20/06/83			MBSB	B SB SWATH BOOK 3	GDC	31 29.3N	124 54.6W	S	SMNT01WT
0958	22/06/83			MBSB	E SB SWATH BOOK 3	GDC	30 47.4N	123 43.9W	S	SMNT01WT
0958	22/06/83			MBSB	B SB SWATH BOOK 4	GDC	30 47.4N	123 43.9W	S	SMNT01WT
1544	23/06/83			MBSB	E SB SWATH BOOK 4	GDC	30 28.5N	123 09.1W	S	SMNT01WT
1544	23/06/83			MBSB	B SB SWATH BOOK 5	GDC	30 28.5N	123 09.1W	S	SMNT01WT
0153	25/06/83			MBSB	E SB SWATH BOOK 5	GDC	20 41.9N	123 14.3W	S	SMNT01WT
0153	25/06/83			MBSB	B SB SWATH BOOK 6	GDC	20 41.9N	123 14.3W	S	SMNT01WT
0820	26/06/83			MBSB	E SB SWATH BOOK 6	GDC	30 38.9N	122 41.2W	S	SMNT01WT
0820	26/06/83			MBSB	B SB SWATH BOOK 7	GDC	30 38.9N	122 41.2W	S	SMNT01WT
2318	27/06/83			MBSB	E SB SWATH BOOK 7	GDC	32 25.3N	118 41.6W	S	SMNT01WT
2321	27/06/83			MBSB	B SB SWATH BOOK 8	GDC	32 25.6N	118 41.9W	S	SMNT01WT
0429	28/06/83			MBSB	E SB SWATH BOOK 8	GDC	32 35.6N	117 27.1W	S	SMNT01WT
*** SEISMIC PROFILER ***										
2030	18/ 6/83			SPRF	B AIRGUN 2.5SEC R-01	GDC	32 30.7N	120 37.3W	S	SMNT01WT
0108	25/ 6/83			SPRF	E AIRGUN 2.5SEC R-01	GDC	30 32.6N	123 12.3W	S	SMNT01WT
2030	18/ 6/83			SPRS	B AIRGUN 8 SEC R-01	GDC	32 30.7N	120 37.3W	S	SMNT01WT
0717	20/ 6/83			SPRS	E AIRGUN 8 SEC R-01	GDC	31 49.7N	123 54.1W	S	SMNT01WT
2030	18/ 6/83			SPRS	B AIRGUN 4 SEC R-01	GDC	32 30.7N	120 37.3W	S	SMNT01WT
1754	22/ 6/83			SPRS	E AIRGUN 4 SEC R-01	GDC	30 24.7N	122 38.7W	S	SMNT01WT
0202	25/ 6/83			SPRF	B WATERGUN R-02	GDC	30 41.9N	123 14.3W	S	SMNT01WT
0945	27/ 6/83			SPRF	E WATERGUN R-02	GDC	32 31.6N	120 41.0W	S	SMNT01WT
1843	22/ 6/83			SPRS	B WATERGUN 4 SEC R-02	GDC	30 27.7N	122 48.6W	S	SMNT01WT
0945	27/ 6/83			SPRS	E WATERGUN 4 SEC R-02	GDC	32 31.6N	120 41.0W	S	SMNT01WT

GMT D /M /Y LOC LOC TIME DATE TIME TZ	CODE SAMPLE IDENT. SAMP	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
*** SONOBUOY DROP *** SEISMIC REFRACTION MONITORING					
0940 18/ 6/83	SBOB B DROP OBS LYNN	LMD	32 37.8N	120 32.3W S	SMNT01WT
0650 28/ 6/83	SBOB C DROP OBS LYNN	LMD	32 35.5N	117 23.0W S	SMNT01WT
1351 18/ 6/83	SBOB B DROP PBS KAREN	LMD	32 37.6N	120 32.1W S	SMNT01WT
0650 28/ 6/83	SBOB C DROP PBS KAREN	LMD	32 35.5N	117 23.0W S	SMNT01WT
1749 18/ 6/83	SBOB B DROP OBS SUZY	LMD	32 35.8N	120 32.6W S	SMNT01WT
0650 28/ 6/83	SBOB C DROP OBS SUZY	LMD	32 35.5N	117 23.0W S	SMNT01WT
1130 27/ 6/83	SBOB B DROP OBS JUAN	LMD	32 36.4N	120 34.5W S	SMNT01WT
1230 27/ 6/83	SBOB X LEAKED	LMD	32 35.9N	120 34.1W S	SMNT01WT
*** SEISMIC REFLECTION DIGITAL MAGNETIC TAPE ***					
2036 18/ 6/83	SPDT B SEISMIC DIGITAL TAPE	GRD	32 31.3N	120 36.8W S	SMNT01WT
0946 27/ 6/83	SPDT E SEISMIC DIGITAL TAPE	GRD	32 31.7N	120 40.8W S	SMNT01WT
*** BATHYTHERMOGRAPH ***					
0325 19/ 6/83	BTXP XBT 1 460M	LMD	32 37.8N	120 41.0W S	SMNT01WT
*** THERMOGRAPH ***					
2200 17/ 6/83	TGRC B THERMOGRAPHS 1-8	GDC	32 38.1N	118 25.0W S	SMNT01WT
0220 28/ 6/83	TGRC E THERMOGRAPHS 1-8	GDC	32 32.3N	117 58.4W S	SMNT01WT
DREDGE CURATOR WM. RIEDEL (EXT. 3360)					
1330 21/ 6/83	DRRO ROCK DREDGE DR-1	GCR	31 44.0N	126 13.4W S	SMNT01WT
1330 21/ 6/83	DRRO ROCK DREDGE DR-1	GCR	31 44.0N	126 13.4W S	SMNT01WT
1533 21/ 6/83	DRRO ROCK DREDGE DR-2	GCR	31 43.8N	126 14.2W S	SMNT01WT
9900	END SAMPLE INDEX				SMNT01WT