

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

(Issued June 1986)

MARATHON EXPEDITION

LEG 1

San Diego, California (24 March 1984)  
to  
Honolulu, Hawaii (27 April 1984)

R/V T. Washington

Chief Scientist - K. L. Smith

Resident Marine Tech - R. Wilson

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

Data Collection and Processing funded by  
NSF Grant Number OCE83-17741

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.# 215

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 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 (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 (619)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 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 magnetic anomaly profiles along track - map scale = 1.2in/degree, anomaly scale between 15N and 15S 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 (air or water guns)
  - c. Magnetometer records
  - d. Underway data log

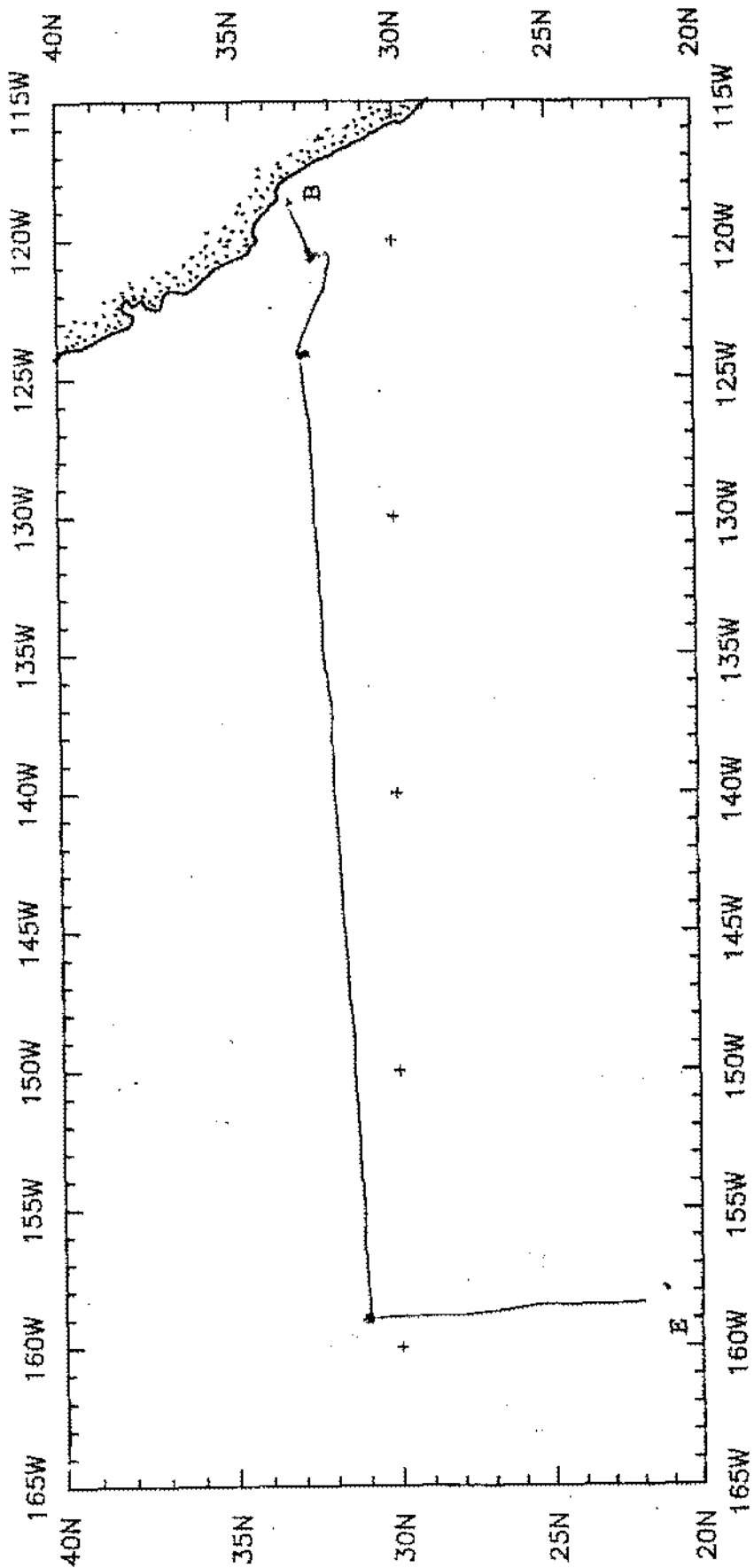
Revised June 1985 (Sea Beam)

## SIO Sea Beam Data

The following forms are available, subject to approval of the cruise leg chief scientist.

- 1) Archive contour 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 1985



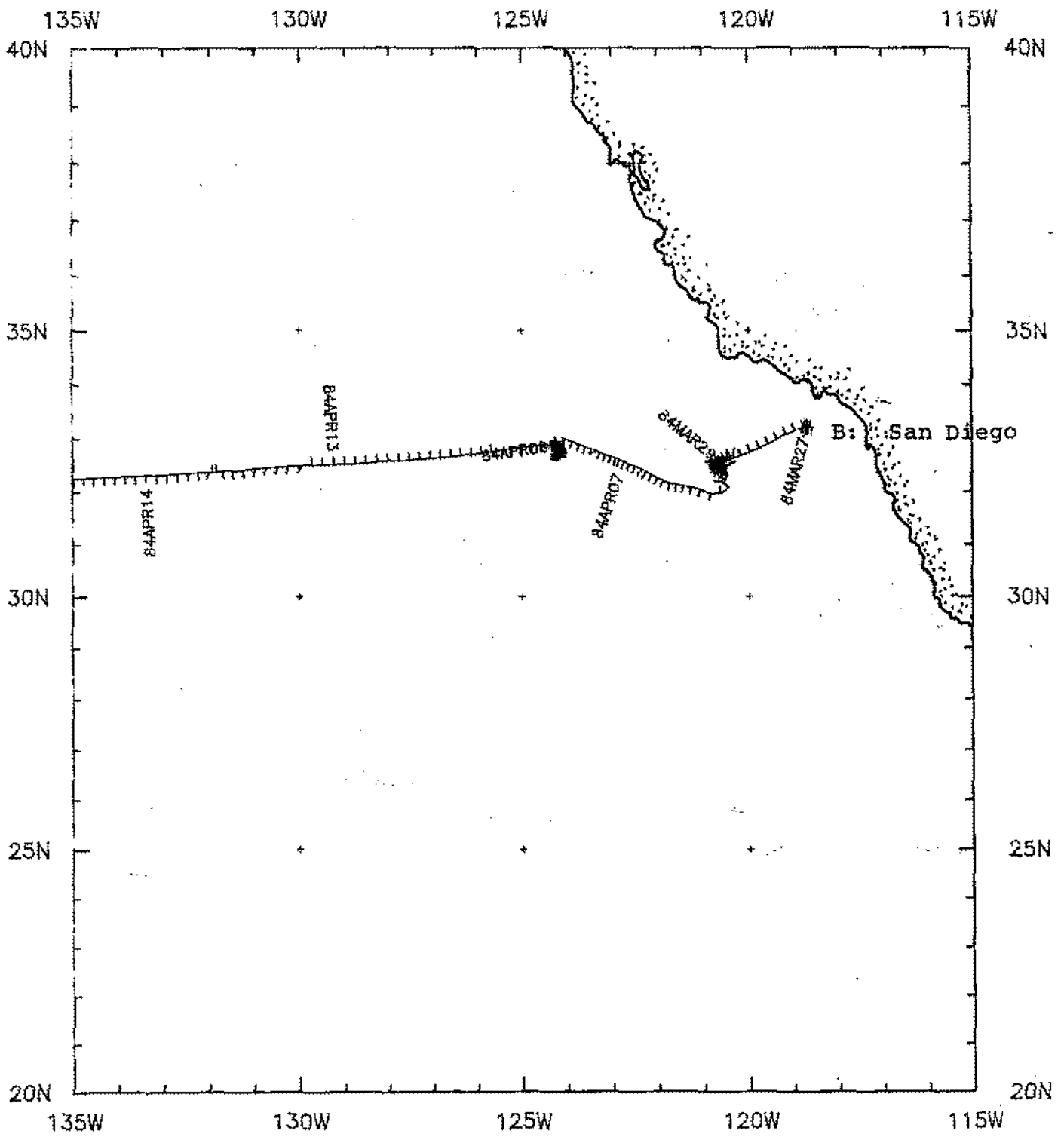
MARATHON LEG 01 Track at .1632in/degree

MARATHON EXPEDITION  
LEG 1

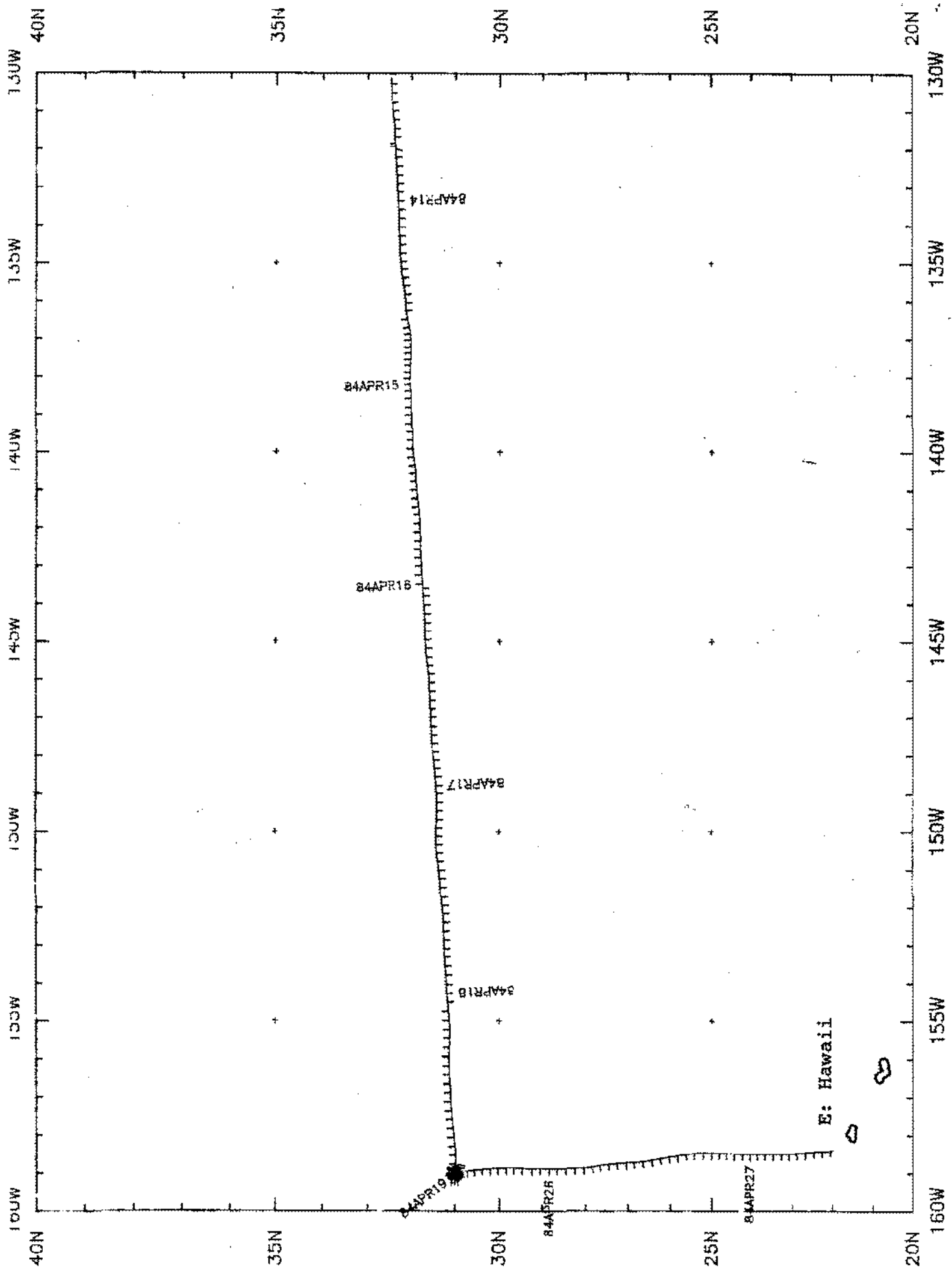
CHIEF SCIENTIST: K.L. Smith (SIO)  
 PORTS: San Diego - Honolulu, Hawaii  
 DATES: 24 March - 27 April 1984  
 SHIP: R/V Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 3690 processed miles
- 2) Bathymetry - 2600 miles
- 3) Magnetics - collected but not processed
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected
- 6) SeaBeam - 2600 miles

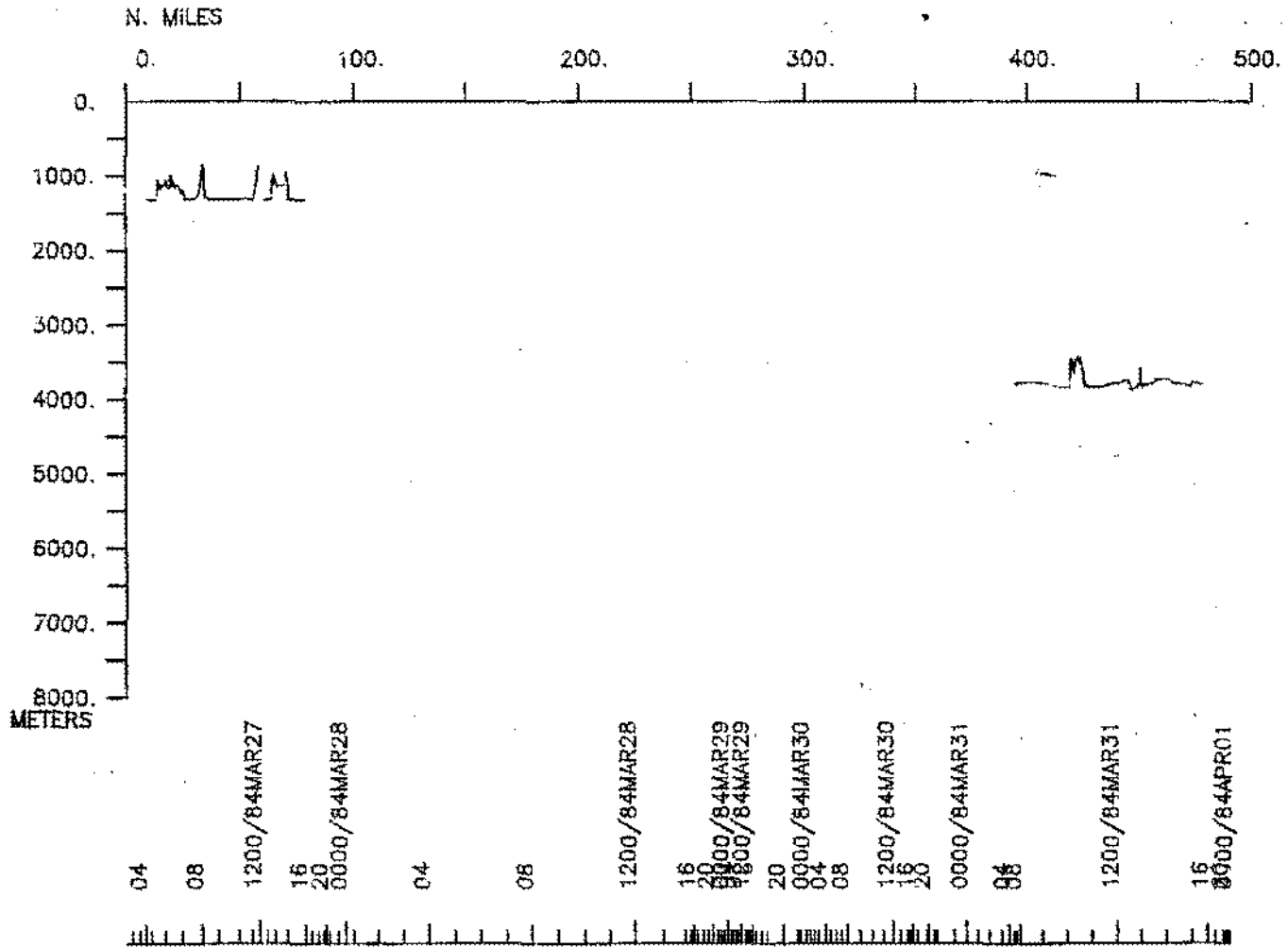


MARATHON LEG 1 Track at .312in/degree (plot 1 of 2)

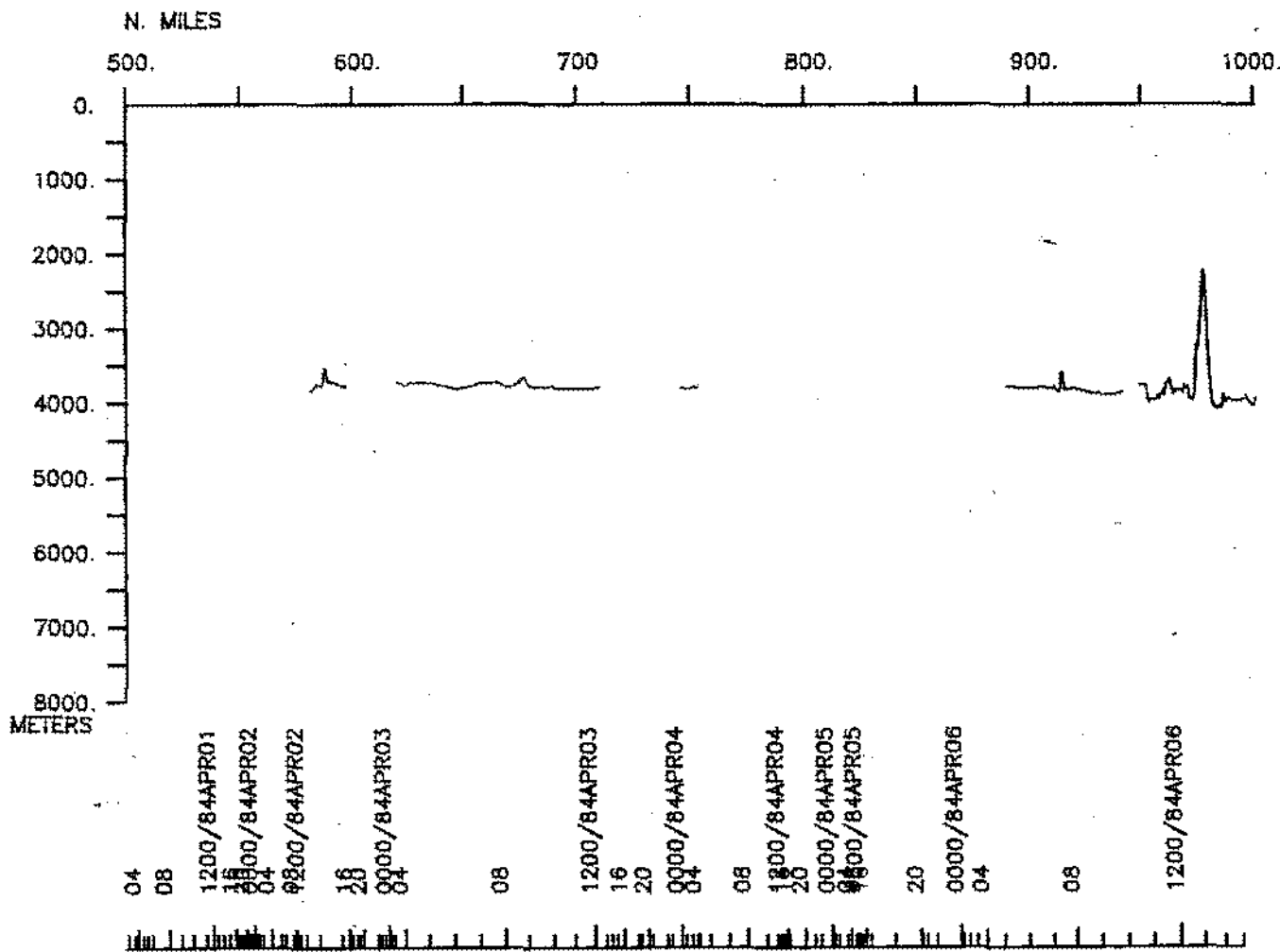


MARATHON IFC 1 Track at .312in/degree (plot 2 of 2)

MARATHON LEG 1 (MRTN01WT)

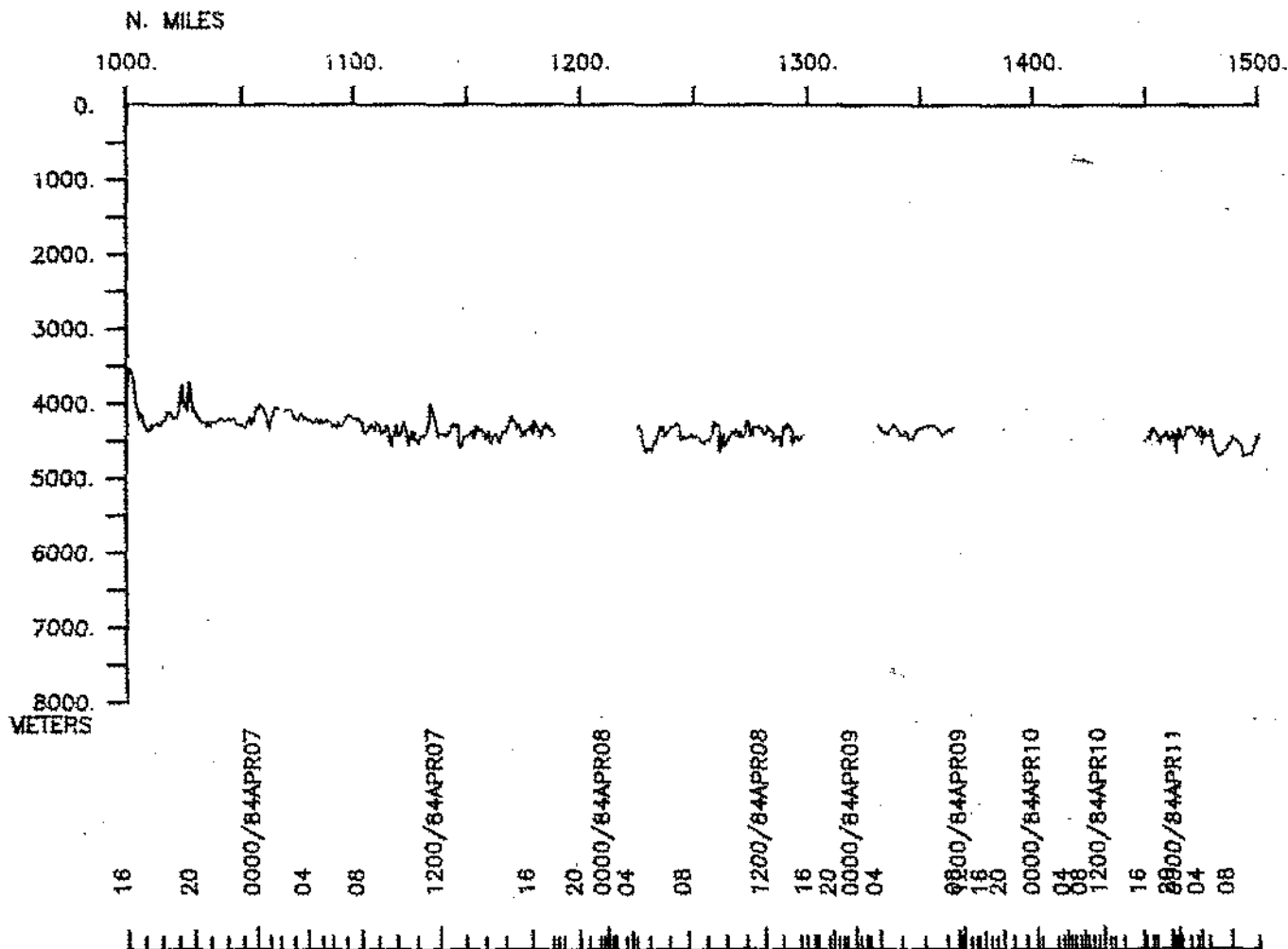


MARATHON LEG 1 (MIRNINO1WT)

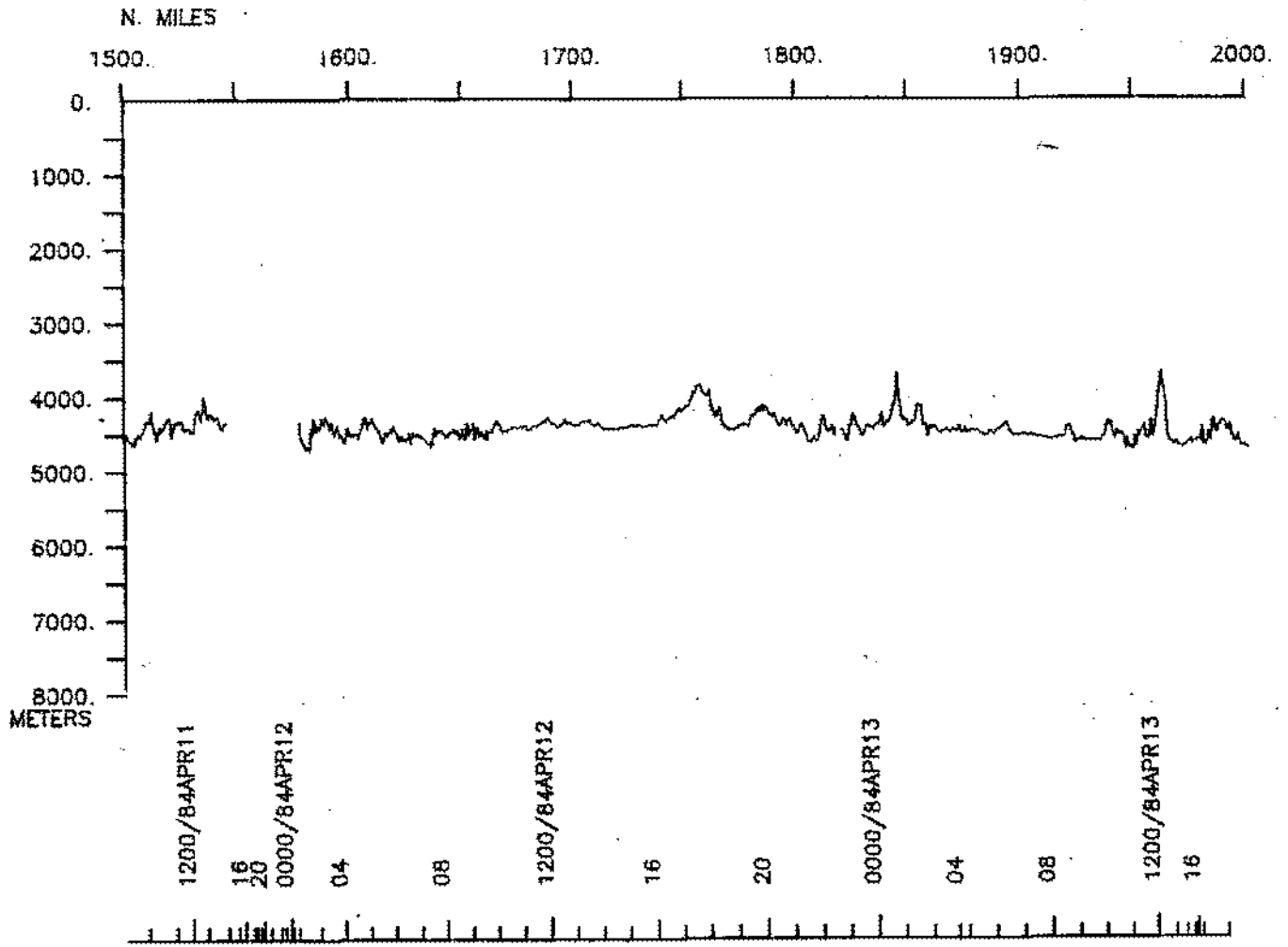




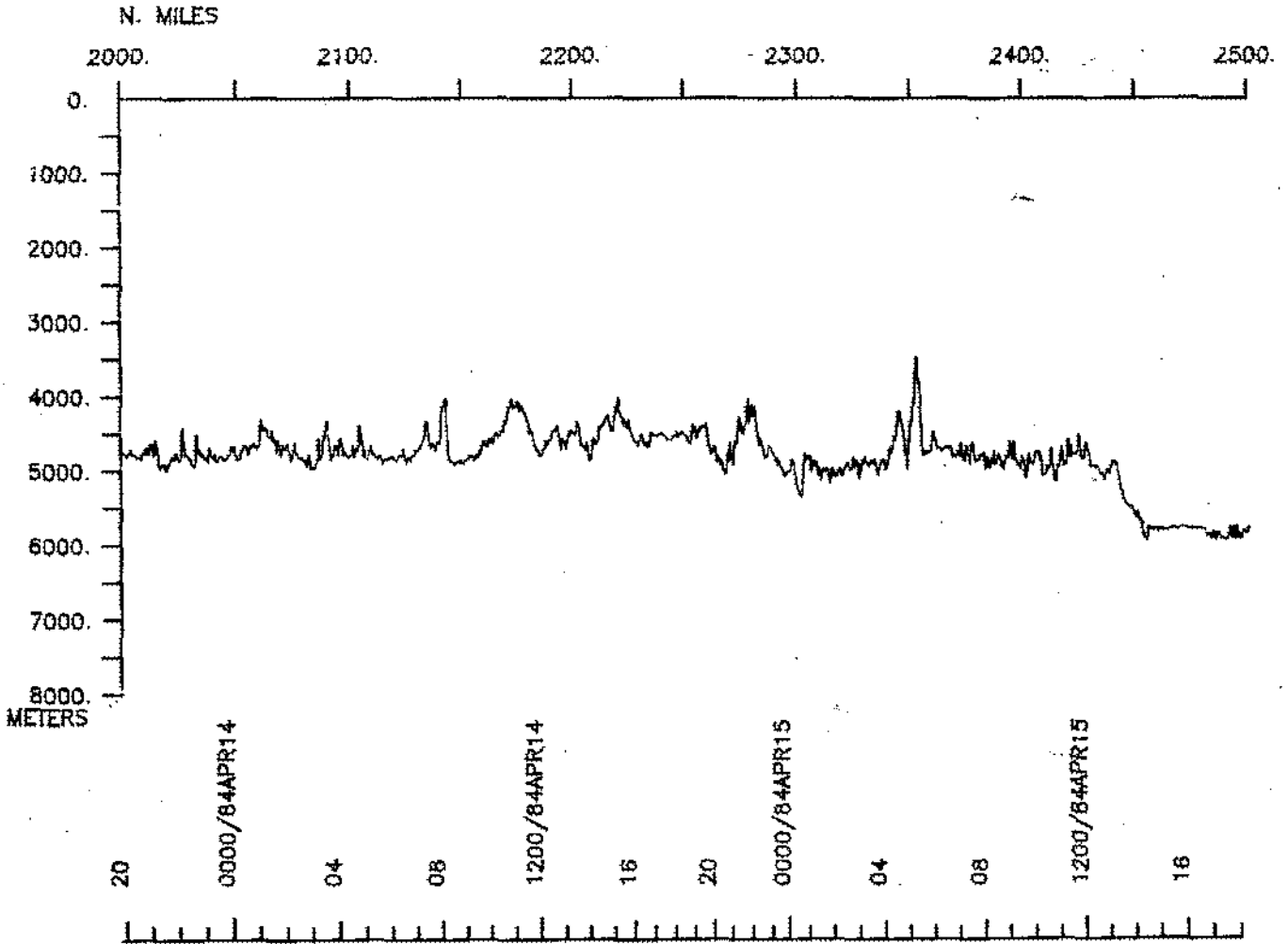
MARATHON LEG 1 (MRTN01WT)



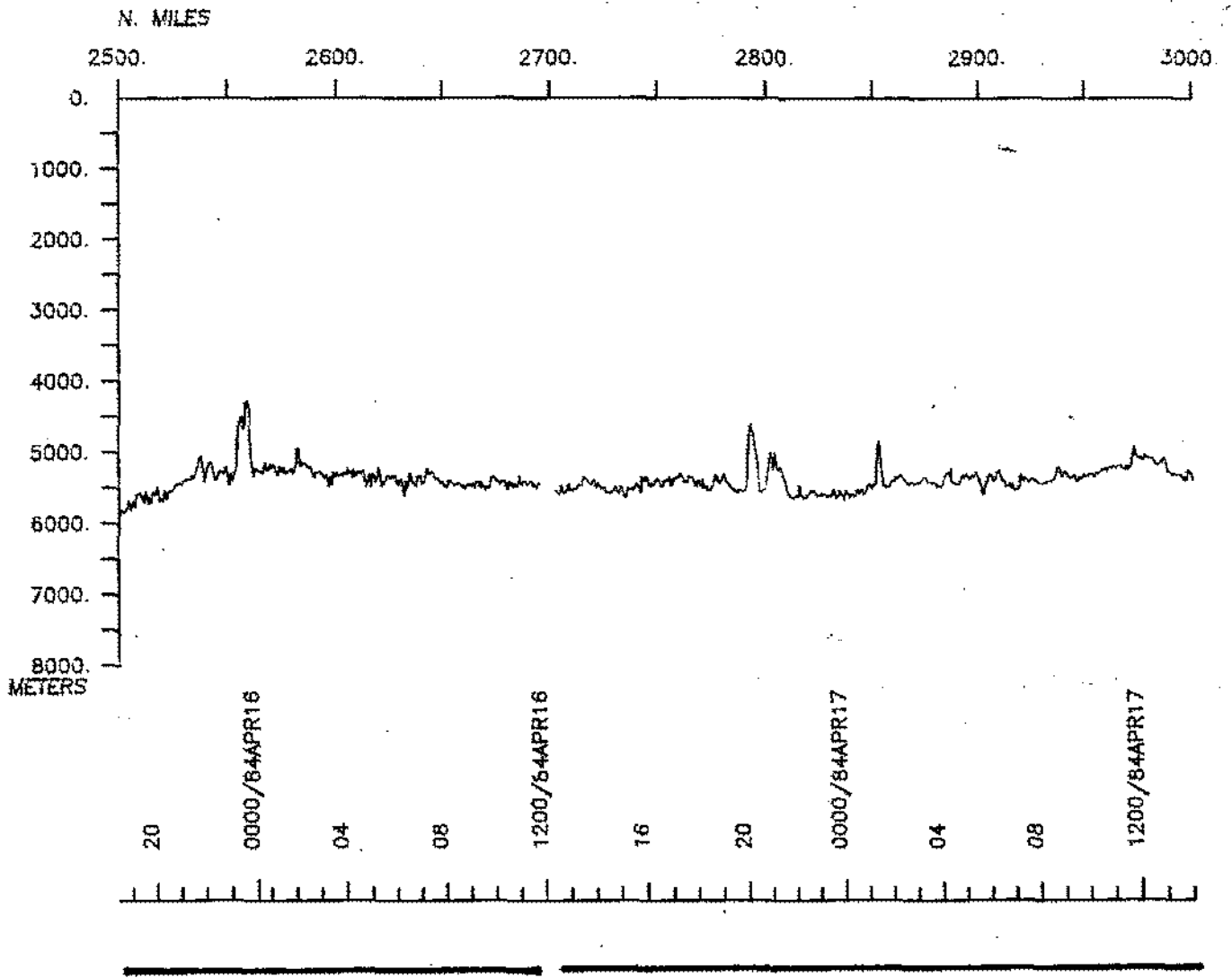
MARATHON LEG 3 (MRTNO1WT)



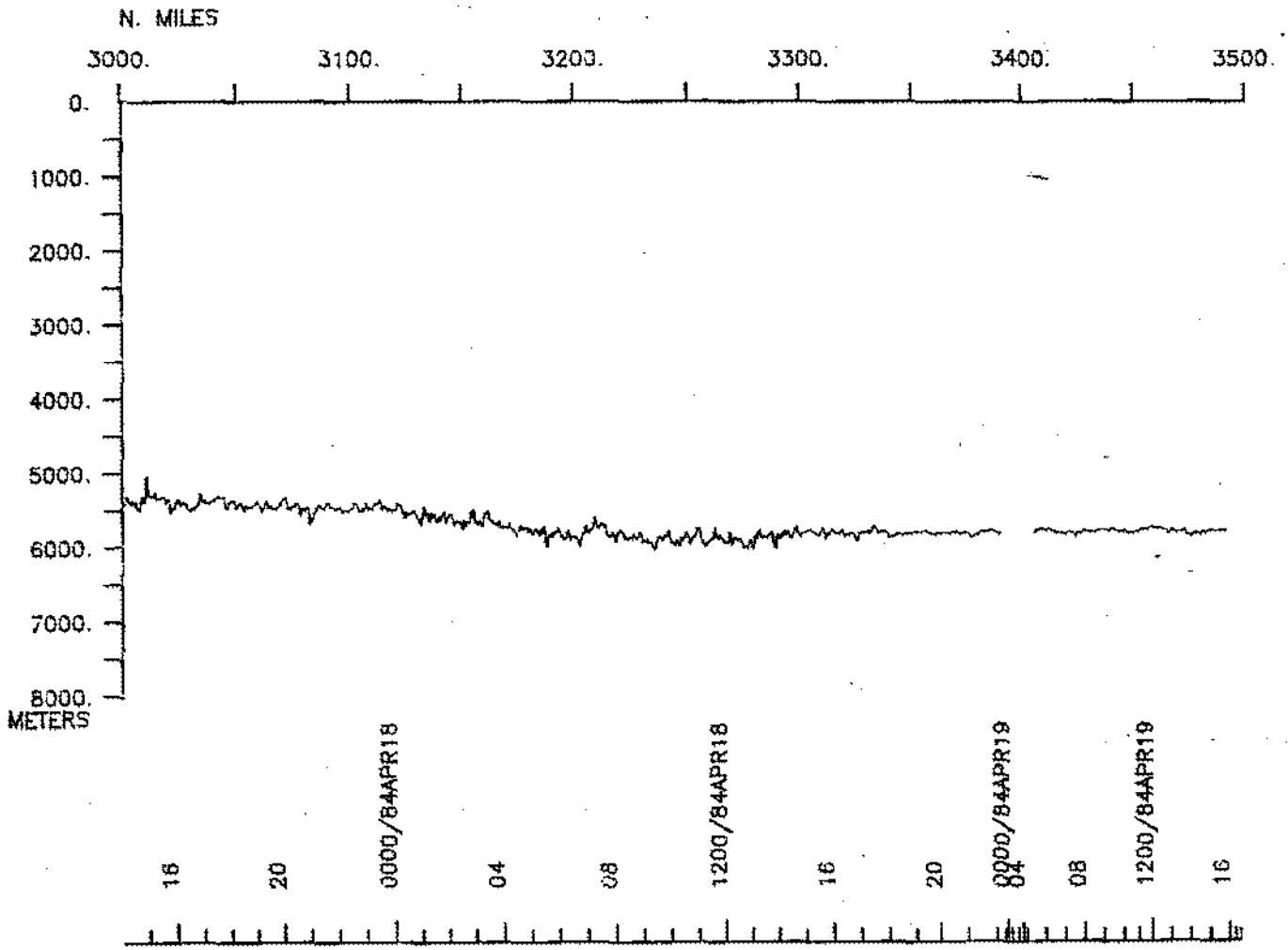
MARATHON LEG 1 (MRTNO1WT)



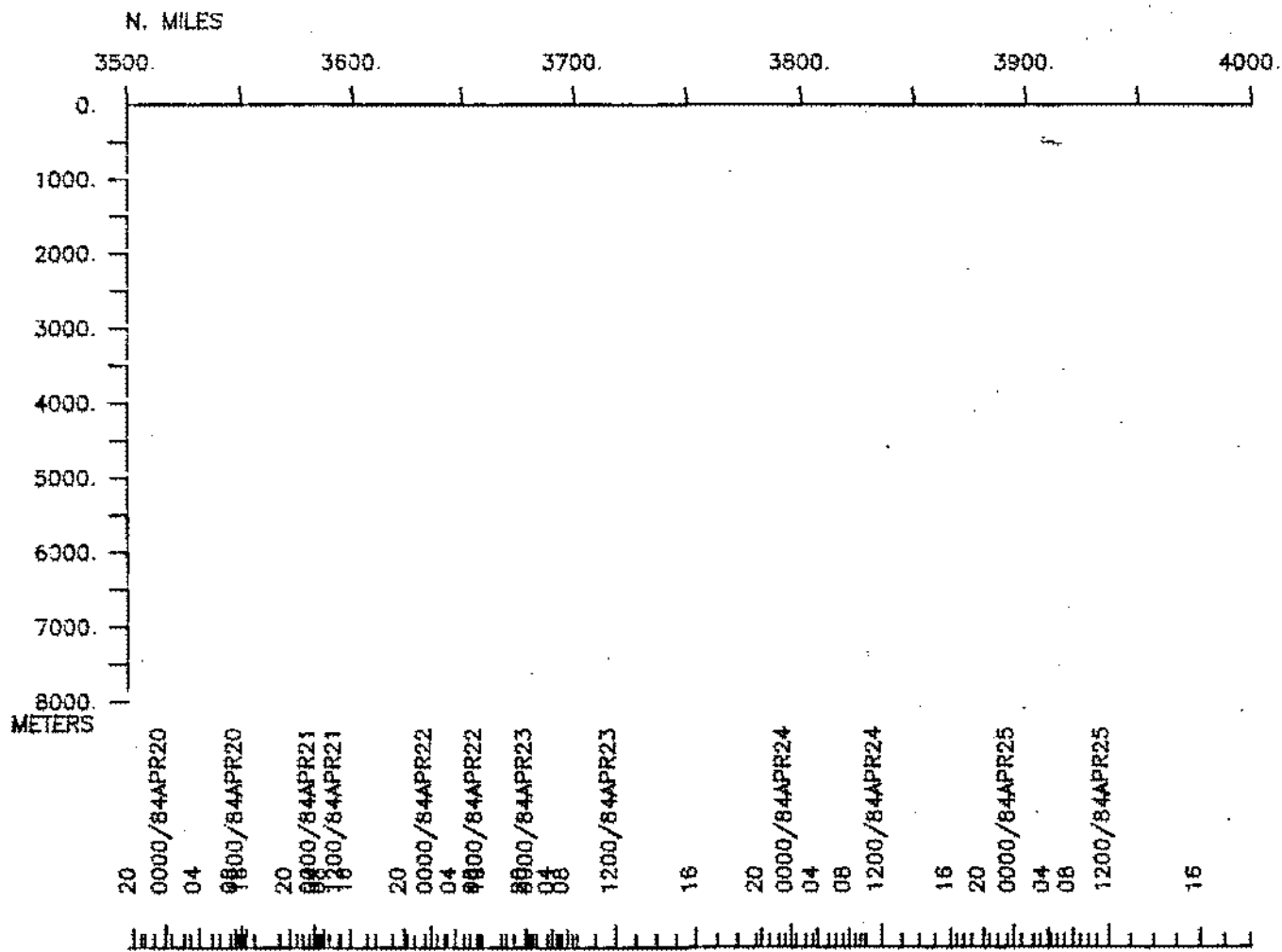
MARATHON LEG 1 (MRTNO1WT)



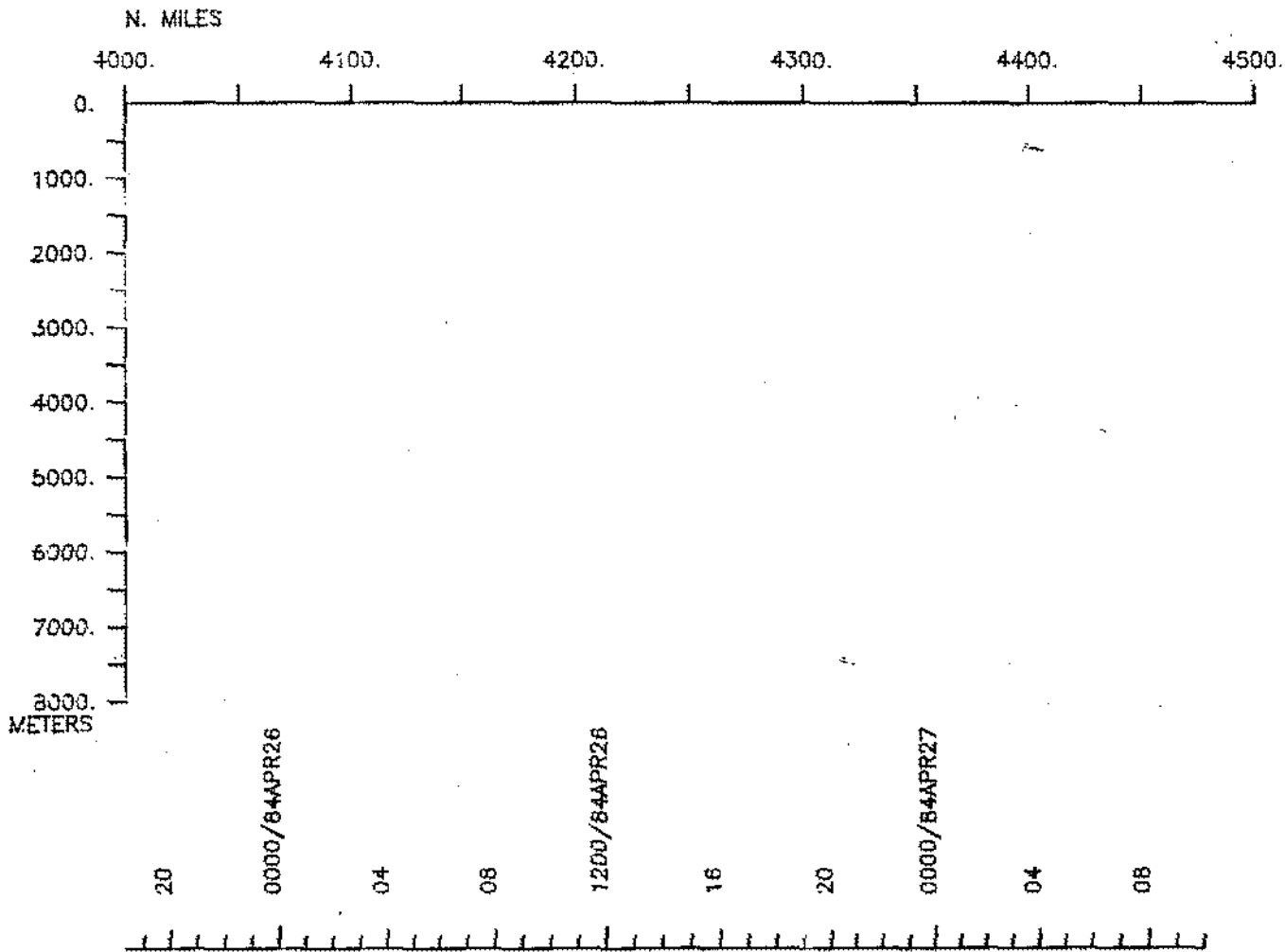
MARATHON LEG 1 (MRTNO1WT)



MARATHON LEG 1 (MRTN01WT)



MARATHON LEG 1 (MRTN01WT)



S.I.O. SAMPLE INDEX

(Issued June 1986)

MARATHON EXPEDITION

Leg 01

San Diego, California (24 March 1984)  
to  
Honolulu, Hawaii (27 April 1984)

R/V T. Washington

Chief Scientist - K. L. Smith (SIO)

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

Index Encoding Funded by NSF  
Grant Number OCE83-16603  
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 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 future computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

GDC Cruise I.D. #215



\*\*\*PORTS\*\*\*

2000 24MAR84	LGPT B SAN DIEGO, CAL.	32 43 N 117 11 W	FMRTNO1WT
1800 27APR84	LGPT E HONOLULU, HAWAII	21 18 N 157 52 W	FMRTNO1WT

\*\*\*PERSONNEL\*\*\*

#	***NAME***	***TITLE***	***AFFILIATION***	**CRID**
PECS MBD	SMITH, K.L.	CHIEF SCIENTIST	SCRIPPS INSTITUTION	MRTNO1WT
PEET MBD	EDELMAN, J.	ELECTRONICS TECH	SCRIPPS INSTITUTION	MRTNO1WT
PESP MBD	BROWN, N.O.	BIOLOGIST	SCRIPPS INSTITUTION	MRTNO1WT
PERT MTG	WILSON, R.W.	RESIDENT TECH	SCRIPPS INSTITUTION	MRTNO1WT
PEBE MTG	ABBOTT, J.L.	SEABEAM ENGINEER	SCRIPPS INSTITUTION	MRTNO1WT
PECT MTG	MOORE, J.M.	COMPUTER TECH	SCRIPPS INSTITUTION	MRTNO1WT
PECT MTG	MOE, R.	COMPUTER TECH	SCRIPPS INSTITUTION	MRTNO1WT
PESP MBD	LAVER, M.	BIOLOGIST	SCRIPPS INSTITUTION	MRTNO1WT
PESP MBD	BALDWIN, R.	BIOLOGIST	SCRIPPS INSTITUTION	MRTNO1WT
PESP MBD	WILSON, R.R.	BIOLOGIST	SCRIPPS INSTITUTION	MRTNO1WT
PESP MBD	RIEMERS, C.	BIOLOGIST	SCRIPPS INSTITUTION	MRTNO1WT
PEST MBD	WALBURG, D.	STUDENT	SCRIPPS INSTITUTION	MRTNO1WT
PESP MBD	STOCKTON, W.	ZOOLOGIST	SCRIPPS INSTITUTION	MRTNO1WT

\*\*\*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.  
#

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

\*\*\*UNDERWAY DATA CURATOR - S. M. SMITH EXT.2752

\*\*\*LOG BOOKS\*\*\*

0155	120484	LBUW B	UNDERWAY LOG BOOK	GDC 32-535N	124-79W	fMRTN01WT
1545	190484	LBUW E	UNDERWAY LOG BOOK	GDC 31-08N	158-536W	fMRTN01WT

\*\*\*SEABEAM MONITOR\*\*\*

1609	250384	MBMR B	SB UGR MONITOR R-01	GDC 33-128N	118-405W	sMRTN01WT
1440	020484	MBMR E	SB UGR MONITOR R-01	GDC 32-331N	120-396W	sMRTN01WT
1440	020484	MBMR B	SB UGR MONITOR R-02	GDC 32-331N	120-396W	sMRTN01WT
1935	220484	MBMR E	SB UGR MONITOR R-02	GDC 30-558N	159-003W	sMRTN01WT
2000	220484	MBMR B	SB UGR MONITOR R-03	GDC 30-582N	159-029W	sMRTN01WT
1151	270484	MBMR E	SB UGR MONITOR R-03	GDC 31-009N	158-546W	sMRTN01WT

\*\*\*SEABEAM SWATH BOOKS\*\*\*

1608	250384	MBSB B	SB SWATH BOOK 01	GDC 33-128N	118-405W	sMRTN01WT
0657	270384	MBSB E	SB SWATH BOOK 01	GDC 33-146N	118-436W	sMRTN01WT
0701	270384	MBSB B	SB SWATH BOOK 02	GDC 33-141N	118-433W	sMRTN01WT
0956	280384	MBSB E	SB SWATH BOOK 02	GDC 32-326N	120-364W	sMRTN01WT
1002	280384	MBSB B	SB SWATH BOOK 03	GDC 32-326N	120-364W	sMRTN01WT
1151	060484	MBSB E	SB SWATH BOOK 03	GDC 32-011N	121-020W	sMRTN01WT
1202	060484	MBSB B	SB SWATH BOOK 04	GDC 32-018N	121-043W	sMRTN01WT
1218	110484	MBSB E	SB SWATH BOOK 04	GDC 32-556N	124-062W	sMRTN01WT
1218	110484	MBSB B	SB SWATH BOOK 05	GDC 32-556N	124-062W	sMRTN01WT
1452	130484	MBSB E	SB SWATH BOOK 05	GDC 32-215N	131-597W	sMRTN01WT
1501	130484	MBSB B	SB SWATH BOOK 06	GDC 32-216N	132-005W	sMRTN01WT
0550	150484	MBSB E	SB SWATH BOOK 06	GDC 31-585N	139-261W	sMRTN01WT
0551	150484	MBSB B	SB SWATH BOOK 07	GDC 31-585N	139-263W	sMRTN01WT
1740	160484	MBSB E	SB SWATH BOOK 07	GDC 31-328N	147-236W	sMRTN01WT
1741	160484	MBSB B	SB SWATH BOOK 08	GDC 31-328N	147-238W	sMRTN01WT
0426	180484	MBSB E	SB SWATH BOOK 08	GDC 31-069N	155-202W	sMRTN01WT
0427	180484	MBSB B	SB SWATH BOOK 09	GDC 31-069N	155-204W	sMRTN01WT
1200	240484	MBSB E	SB SWATH BOOK 09	GDC 31-009N	158-546W	sMRTN01WT
1232	240484	MBSB B	SB SWATH BOOK 10	GDC 31-009N	158-546W	sMRTN01WT
1945	260484	MBSB E	SB SWATH BOOK 10	GDC 31-009N	158-546W	sMRTN01WT
1945	260484	MBSB B	SB SWATH BOOK 11	GDC 31-009N	158-546W	sMRTN01WT
1151	270484	MBSB E	SB SWATH BOOK 11	GDC 31-009N	158-546W	sMRTN01WT
0436	270384	MBSB B	SB SWATH BOOK 01	MBD 33-120N	118-377W	sMRTN01WT
1535	270384	MBSB E	SB SWATH BOOK 01	MBD 33-154N	118-386W	sMRTN01WT
0635	280384	MBSB B	SB SWATH BOOK 02	MBD 32-464N	119-532W	sMRTN01WT
0907	310384	MBSB E	SB SWATH BOOK 02	MBD 32-291N	120-335W	sMRTN01WT

#GMT #TIME	DDMMYY DATE	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0913	310384	MBSB B	SB SWATH BOOK 03	MBD	32-291N	120-335W	sMRTNO1WT
0649	090484	MBSB E	SB SWATH BOOK 03	MBD	32-481N	124-105W	sMRTNO1WT
0655	090484	MBSB B	SB SWATH BOOK 04	MBD	32-480N	124-100W	sMRTNO1WT
1504	240484	MBSB E	SB SWATH BOOK 04	MBD	31-009N	158-546W	sMRTNO1WT
1519	040484	MBSB B	SB SWATH BOOK 05	MBD	32-286N	120-409W	sMRTNO1WT
1625	040484	MBSB E	SB SWATH BOOK 05	MBD	32-284N	120-414W	sMRTNO1WT

## \*\*\*MAGNETICS\*\*\*

0222	120484	MGRA B	MAGNETICS R-01	GDC	32-535N	124-124W	sMRTNO1WT
1945	180484	MGRA E	MAGNETICS R-01	GDC	32-324N	120-450W	sMRTNO1WT

## \*\*\*BOX CORES\*\*\*

0014	260384	COBX	MRTNO1	1325M	MBD	33-128N	118-405W	sMRTNO1WT
1819	260384	COBX	MRTNO2	1315M	MBD	33-128N	118-405W	sMRTNO1WT
0615	290384	COBX	MRTNO3	3782M	MBD	32-309N	120-384W	sMRTNO1WT
1034	020484	COBX	MRTNO4	3834M	MBD	32-314N	120-442W	sMRTNO1WT
1140	040484	COBX	MRTNO5	3750M	MBD	32-292N	120-389W	sMRTNO1WT
0807	050484	COBX	MRTNO6	3755M	MBD	31-009N	158-546W	sMRTNO1WT
1012	090484	COBX	MRTNO7	4430M	MBD	31-009N	158-546W	sMRTNO1WT
0956	200484	COBX	MRTNO8	5785M	MBD	32-324N	120-450W	sMRTNO1WT
1520	200484	COBX	MRTNO9	5795M	MBD	32-324N	120-450W	sMRTNO1WT
1238	210484	COBX	MRTNO10	5804M	MBD	31-009N	158-546W	sMRTNO1WT
0958	220484	COBX	MRTNO11	5785M	MBD	31-009N	158-546W	sMRTNO1WT
1520	200484	COBX	BOXCORE KLS161P5820M		MBD	30-504N	159-072W	sMRTNO1WT

## \*\*\*CURRENT METERS\*\*\*

1505	260384	CMAB B	CR.MTR.KLS105S	1318M	MBD	33-128N	118-405W	sMRTNO1WT
2113	260384	CMAB E	CR.MTR.KLS105S	1318M	MBD	33-128N	118-405W	sMRTNO1WT
1409	280384	CMAB B	CR.MTR.KLS109C	3790M	MBD	32-312N	120-382W	sMRTNO1WT
1440	290384	CMAB E	CR.MTR.KLS109C	3790M	MBD	32-314N	120-396W	sMRTNO1WT
1720	290384	CMAB B	CR.MTR.KLS116C	3755M	MBD	32-328N	120-423W	sMRTNO1WT
0310	010484	CMAB E	CR.MTR.KLS116C	3755M	MBD	32-312N	120-415W	sMRTNO1WT
1859	010484	CMAB X	CR.MTR.KLS120C	3811M	MBD	32-305N	120-350W	sMRTNO1WT
2040	070484	CMAB B	CR.MTR.KLS136F	4399M	MBD	32-521N	124-086W	sMRTNO1WT
2200	080484	CMAB E	CR.MTR.KLS136F	4399M	MBD	32-523N	124-089W	sMRTNO1WT
0429	080484	CMAB B	CR.MTR.KLS139F	4416M	MBD	32-503N	124-092W	sMRTNO1WT
2210	110484	CMAB E	CR.MTR.KLS139F	4416M	MBD	32-505N	124-083W	sMRTNO1WT
2230	180484	CMAB B	CR.MTR.KLS151P	5802M	MBD	31-015N	158-596W	sMRTNO1WT
0423	200484	CMAB E	CR.MTR.KLS151P	5802M	MBD	31-013N	159-018W	sMRTNO1WT
0406	190484	CMAB X	CR.MTR.KLS154P	5789M	MBD	31-022N	158-599W	sMRTNO1WT
0655	210484	CMAB B	CR.MTR.KLS165P	5817M	MBD	31-008N	158-556W	sMRTNO1WT
0400	230484	CMAB E	CR.MTR.KLS165P	5817M	MBD	31-013N	158-559W	sMRTNO1WT

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

\*\*\*CONDUCTIVITY, TEMPERATURE, DEPTH - CTD\*\*\*

1415	040484	TDCT B 1	KLS132C 3726M 12B	MBD 32-287N	120-403W	sMRTNO1WT
1840	040484	TDCT E 1	KLS132C 3726M 12B	MBD 32-278N	120-417W	sMRTNO1WT
1410	050484	TDCT B 2	KLS135C 3817M 12B	MBD 32-296N	120-379W	sMRTNO1WT
1750	050484	TDCT E 2	KLS135C 3817M 12B	MBD 32-277N	120-397W	sMRTNO1WT

\*\*\*CONDUCTIVITY, TEMPERATURE, DEPTH AND OXYGEN\*\*\*

1319	090484	TDOT B 1	KLS146F 4412M 12B	MBD 32-489N	124-088W	sMRTNO1WT
1800	090484	TDOT E 1	KLS146F 4412M 12B	MBD 31-009N	158-546W	sMRTNO1WT
0015	210484	TDOT B CTD	KLS164P5815M R12	MBD 31-004N	158-558W	sMRTNO1WT
0545	210484	TDOT E CTD	KLS164P5815M R12	MBD 31-009N	158-546W	sMRTNO1WT
2007	220484	TDOT B CTD	5820M R12	MBD 30-582N	159-028W	sMRTNO1WT

\*\*\*FREE VEHICLE TRAPS\*\*\*

0125	290384	TRFV B TRAPS	KLS113C 3800M	MBD 32-312N	120-342W	sMRTNO1WT
1810	300384	TRFV E TRAPS	KLS113C 3800M	MBD 32-294N	120-315W	sMRTNO1WT
0248	290384	TRFV B TRAPS	KLS114C 3785M	MBD 32-309N	120-355W	sMRTNO1WT
1935	300384	TRFV E TRAPS	KLS114C 3785M	MBD 32-310N	120-343W	sMRTNO1WT
2140	290384	TRFV B TRAPS	KLS117C 3788M	MBD 33-128N	118-405W	sMRTNO1WT
0150	310384	TRFV E TRAPS	KLS117C 3788M	MBD 32-259N	120-292W	sMRTNO1WT
0020	230384	TRFV B TRAPS	KLS118C 3795M	MBD 33-128N	118-405W	sMRTNO1WT
0340	310384	TRFV E TRAPS	KLS118C 3795M	MBD 32-301N	120-349W	sMRTNO1WT
2125	010484	TRFV B TRAPS	KLS121C 3778M	MBD 32-312N	120-381W	sMRTNO1WT
1740	020484	TRFV E TRAPS	KLS121C 3778M	MBD 32-306N	120-383W	sMRTNO1WT
1740	020484	TRFV E TRAPS	KLS121C 3778M	MBD 32-306N	120-383W	sMRTNO1WT
1758	030484	TRFV B TRAPS	KLS127C 3811M	MBD 32-346N	120-331W	sMRTNO1WT
2115	040484	TRFV E TRAPS	KLS127C 3811M	MBD 32-346N	120-333W	sMRTNO1WT
2340	030484	TRFV B TRAPS	KLS129C 3806M	MBD 32-303N	120-317W	sMRTNO1WT
2253	040484	TRFV E TRAPS	KLS129C 3806M	MBD 32-324N	120-336W	sMRTNO1WT
0100	040484	TRFV B AMPHIPOD RES.	KLS130C	MBD 32-288N	120-315W	sMRTNO1WT
0020	050484	TRFV E AMPH.	KLS130C 3794M	MBD 32-284N	120-311W	sMRTNO1WT
1530	080484	TRFV B TRAPS	KLS140F 4487M	MBD 32-503N	124-050W	sMRTNO1WT
1930	090484	TRFV E TRAPS	KLS140F 4487M	MBD 32-511N	124-045W	sMRTNO1WT
1752	080484	TRFV B TRAPS	KLS141F 4487M	MBD 32-499N	124-064W	sMRTNO1WT
1715	100484	TRFV E TRAPS	KLS141F 4487M	MBD 32-499N	124-043W	sMRTNO1WT
1935	080484	TRFV B TRAPS	KLS142F 4428M	MBD 32-502N	124-043W	sMRTNO1WT
1855	100484	TRFV E TRAPS	KLS142F 4428M	MBD 32-502N	124-028W	sMRTNO1WT
0027	090484	TRFV B TRAPS	KLS143F 4346M	MBD 32-497N	124-120W	sMRTNO1WT
2045	100484	TRFV E TRAPS	KLS143F 4346M	MBD 32-495N	124-113W	sMRTNO1WT
0239	090484	TRFV B TRAPS	KLS144F 4312M	MBD 32-506N	124-108W	sMRTNO1WT
0420	110484	TRFV E TRAPS	KLS144F 4312M	MBD 32-506N	124-112W	sMRTNO1WT
2315	090484	TRFV B TRAPS	KLS148F 4356M	MBD 32-513N	124-091W	sMRTNO1WT
0000	110484	TRFV E TRAPS	KLS148F 4356M	MBD 32-510N	124-098W	sMRTNO1WT

#GMT #TIME #	DDMMYY DATE	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
0225	190484	TRFV B	SED.TR.KLS153P 5806M	MBD	31-012N	159-013W	sMRTNO1WT
2350	240484	TRFV E	SED.TR.KLS153P 5806M	MBD	31-009N	158-546W	sMRTNO1WT
1709	190484	TRFV B	FISH T.KLS155P 5802M	MBD	31-003N	158-542W	sMRTNO1WT
2010	200484	TRFV E	FISH T.KLS155P 5802M	MBD	30-599N	158-540W	sMRTNO1WT
1930	190484	TRFV B	TRAPS KLS156P 5840M	MBD	30-578N	158-551W	sMRTNO1WT
2025	210484	TRFV E	TRAPS KLS156P 5840M	MBD	30-577N	158-538W	sMRTNO1WT
2114	190484	TRFV B	TRAPS KLS157P 5870M	MBD	30-577N	158-553W	sMRTNO1WT
2100	210484	TRFV E	TRAPS KLS157P 5870M	MBD	30-572N	158-538W	sMRTNO1WT
0019	200484	TRFV B	TRAPS KLS158P 5820M	MBD	30-571N	158-593W	sMRTNO1WT
0141	220484	TRFV E	TRAPS KLS158P 5820M	MBD	30-565N	159-027W	sMRTNO1WT
0209	200484	TRFV B	AMP.TR.KLS159P 5831M	MBD	31-004N	158-568W	sMRTNO1WT
2344	200484	TRFV E	AMP.TR.KLS159P 5831M	MBD	31-000N	158-565W	sMRTNO1WT
0545	200484	TRFV B	TRAPS KLS160P 5821M	MBD	30-561N	159-018W	sMRTNO1WT
0230	220484	TRFV E	TRAPS KLS160P 5821M	MBD	30-564N	159-018W	sMRTNO1WT
2208	210484	TRFV B	AMP.TR.KLS167P 5836M	MBD	30-571N	158-560W	sMRTNO1WT
1721	220484	TRFV E	AMP.TR.KLS167P 5836M	MBD	30-569N	158-563W	sMRTNO1WT
0525	220484	TRFV B	TRAP KLS169P 5803M	MBD	30-597N	158-589W	sMRTNO1WT
0520	240484	TRFV E	TRAP KLS169P 5803M	MBD	31-009N	158-546W	sMRTNO1WT
0508	230484	TRFV B	AMP.TR.KLS173P 5807M	MBD	31-009N	158-546W	sMRTNO1WT
2215	230484	TRFV E	AMP.TR.KLS173P 5807M	MBD	31-009N	158-546W	sMRTNO1WT
***SEDIMENT TRAPS***							
0407	250384	SDTR B	SD.TR.KLS101S 1325M	MBD	33-128N	118-405W	sMRTNO1WT
2340	270384	SDTR E	SD.TR.KLS101S 1325M	MBD	33-133N	118-407W	sMRTNO1WT
2155	280384	SDTR X	SED.TRAP KLS111C	MBD	32-319N	120-354W	sMRTNO1WT
0743	020484	SDTR B	SD.TR. KLS122C 3721M	MBD	32-308N	120-421W	sMRTNO1WT
0100	060484	SDTR E	SD.TR. KLS122C 3721M	MBD	32-305N	120-423W	sMRTNO1WT
0317	080484	SDTR B	SD.TR.KLS138F 4455M	MBD	32-515N	124-073W	sMRTNO1WT
0000	120484	SDTR E	SD.TR.KLS138F 4455M	MBD	31-009N	158-546W	sMRTNO1WT
***OPEN NET - BONGO***							
0727	230484	ONBG B	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
0751	230484	ONBG E	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
0819	230484	ONBG B	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
0842	230484	ONBG E	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
0851	230484	ONBG B	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
0910	230484	ONBG E	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
0920	230484	ONBG B	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
0938	230484	ONBG E	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
1933	230484	ONBG B	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
1951	230484	ONBG E	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
1959	230484	ONBG B	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT
2015	230484	ONBG E	SURFACE 150M OBLIQUE	FCR	31-009N	158-546W	sMRTNO1WT

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

\*\*\*OTTER TRAWL\*\*\*

0420	100484	TBO4 B	OTTER TRAWL 40FT.NET	MBD	32-475N	124-079W	sMRTN01WT
1330	100484	TBO4 E	OTTER TRAWL 40FT.NET	MBD	32-374N	124-099W	sMRTN01WT

\*\*\*FREE FALL GRAB\*\*\*

1857	250384	GBFF B	GRAB FREEFALL 1324M	MBD	33-128N	118-405W	sMRTN01WT
2315	260384	GBFF E	GRAB FREEFALL 1324M	MBD	33-132N	118-404W	sMRTN01WT
1821	280384	GBFF B	GRAB RESPIROM.KLS	MBD	32-320N	120-367W	sMRTN01WT
1750	310384	GBFF E	GRAB KLS 3794M	MBD	32-321N	120-371W	sMRTN01WT
2130	020484	GBFF B	GRAB RESPIROM.KLS124C	MBD	32-295N	120-386W	sMRTN01WT
2145	050484	GBFF E	GRAB KLS124C 3747M	MBD	32-289N	120-382W	sMRTN01WT
2219	070484	GBFF B	GRAB RESPIROM.KLS	MBD	32-493N	124-076W	sMRTN01WT
1700	110484	GBFF E	GRAB KLS 4372M	MBD	32-493N	124-086W	sMRTN01WT
0010	190484	GBFF X	RESPIR.KLS152P 5818M	MBD	31-003N	159-016W	sMRTN01WT

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END SAMPLE INDEX