

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH AND MAGNETIC DATA
(ISSUED December 1981)

PLUTO EXPEDITION

LEG 3

Puntarenas, Costa Rica (10 October 1981)
to
Manzanillo, Mexico (31 October 1981)

R/V Melville

Chief Scientist - R. Weiss (SIO)

Resident Marine Tech - R. Comer

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

Data Collection Funded by NSF
Grant Number OCE80-24472
Bathymetric Data Collection
and Processing Funded by
Defense Mapping Agency
Contract 800-81-C-0023
Data Processing Funded by SIA and DMA

NOTE

This is an index of underway geophysical data edited and processed shortly after the completion of the cruise leg and is intended primarily for informal use within the institution. This document is not to be reproduced or distributed outside Scripps without prior approval of the chief scientist or the Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093.

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

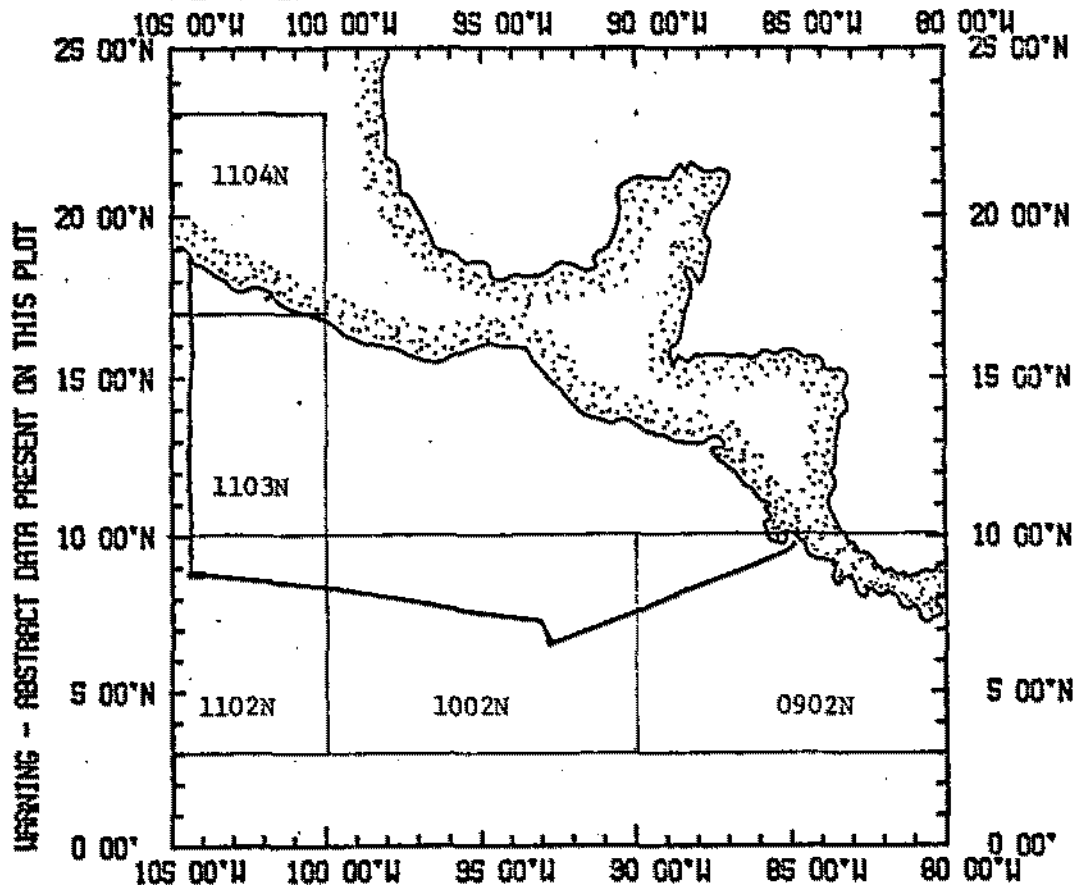
Contents:

- Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).
- Track Charts - annotated with dates (day/month) and hour ticks. The scale is .3 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 solid black line along the bottom of the profile.

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 - in fathoms (assumed sound velocity of 800 fm/sec) or meters (assumed sound velocity of 1500m/sec) at approximately 1 mile spacing, plotted at 4in/degree with standard U. S. Navy Oceanographic Office BC series boundaries (see index chart).
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 1975 IGRF.
4. Card decks of navigation, depth and magnetics (for specific formats, contact S. M. Smith, Geological Data Center).
5. S.I.O. 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.
6. 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

PLT003MV TRACK AT .1632IN/DEGREE
PLOTTED FROM ABSTRACT FILE



PLUTO EXPEDITION
LEG 3

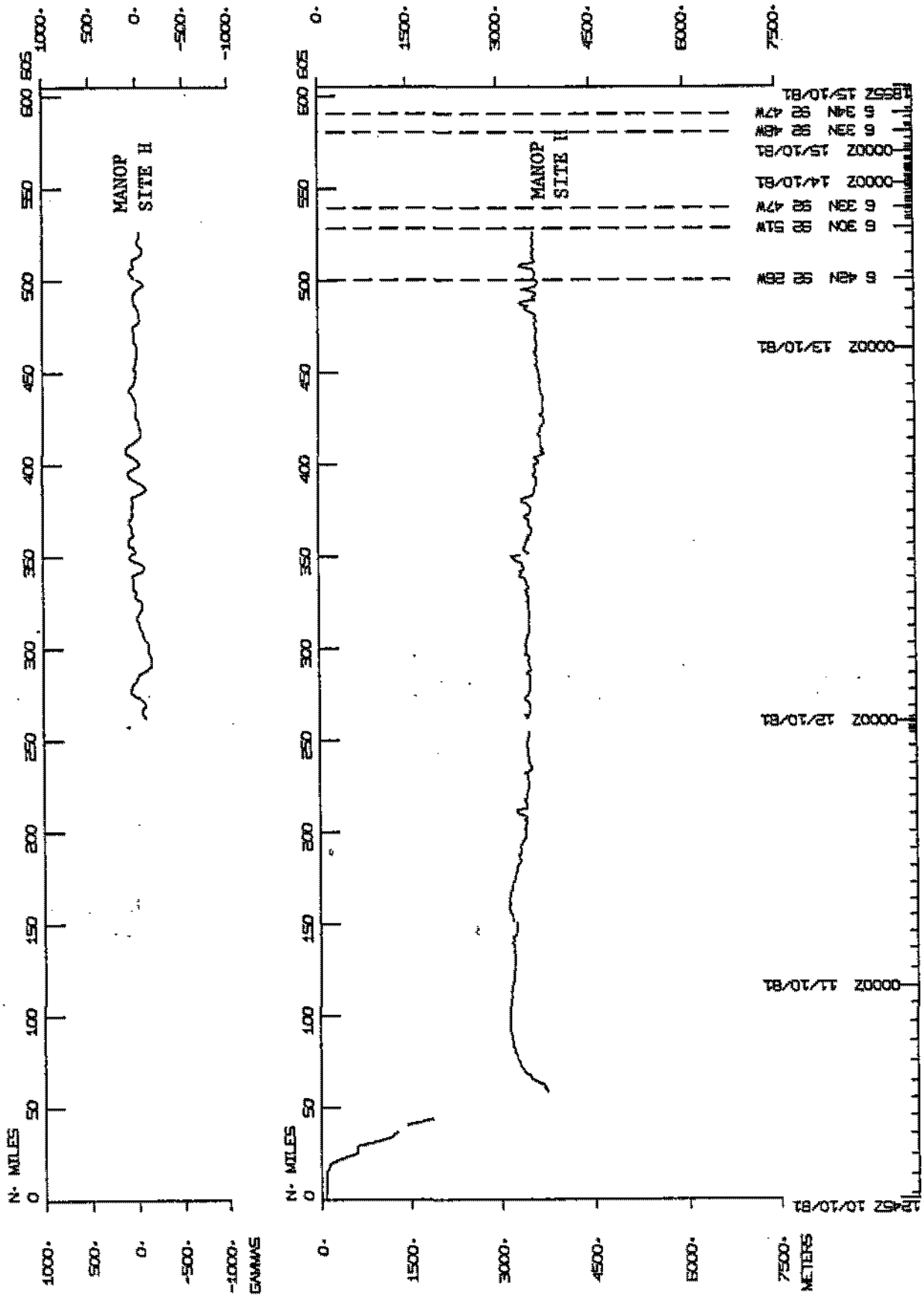
Chief Scientist: R. Weiss (SIO)
Ports: Puntarenas, Costa Rica - Manzanillo, Mexico
Dates: 10 - 31 October 1981
Ship: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

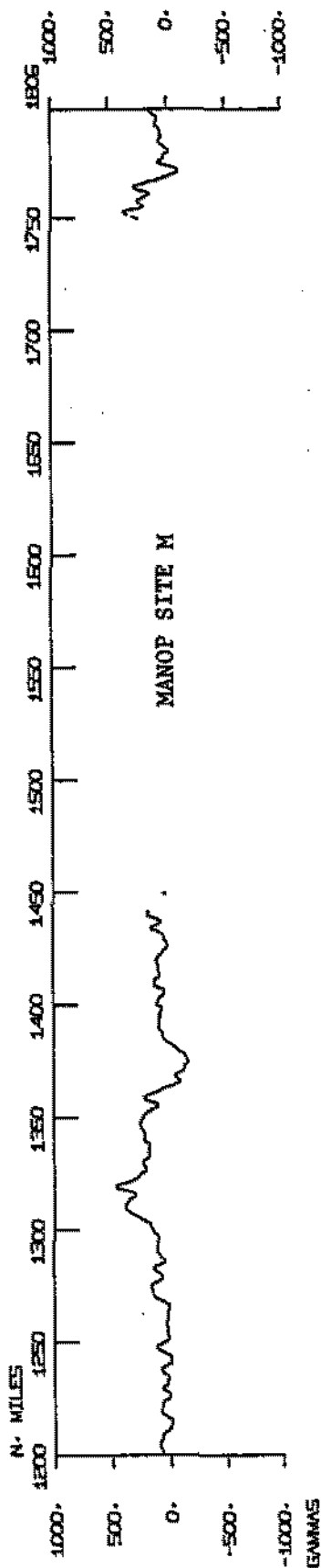
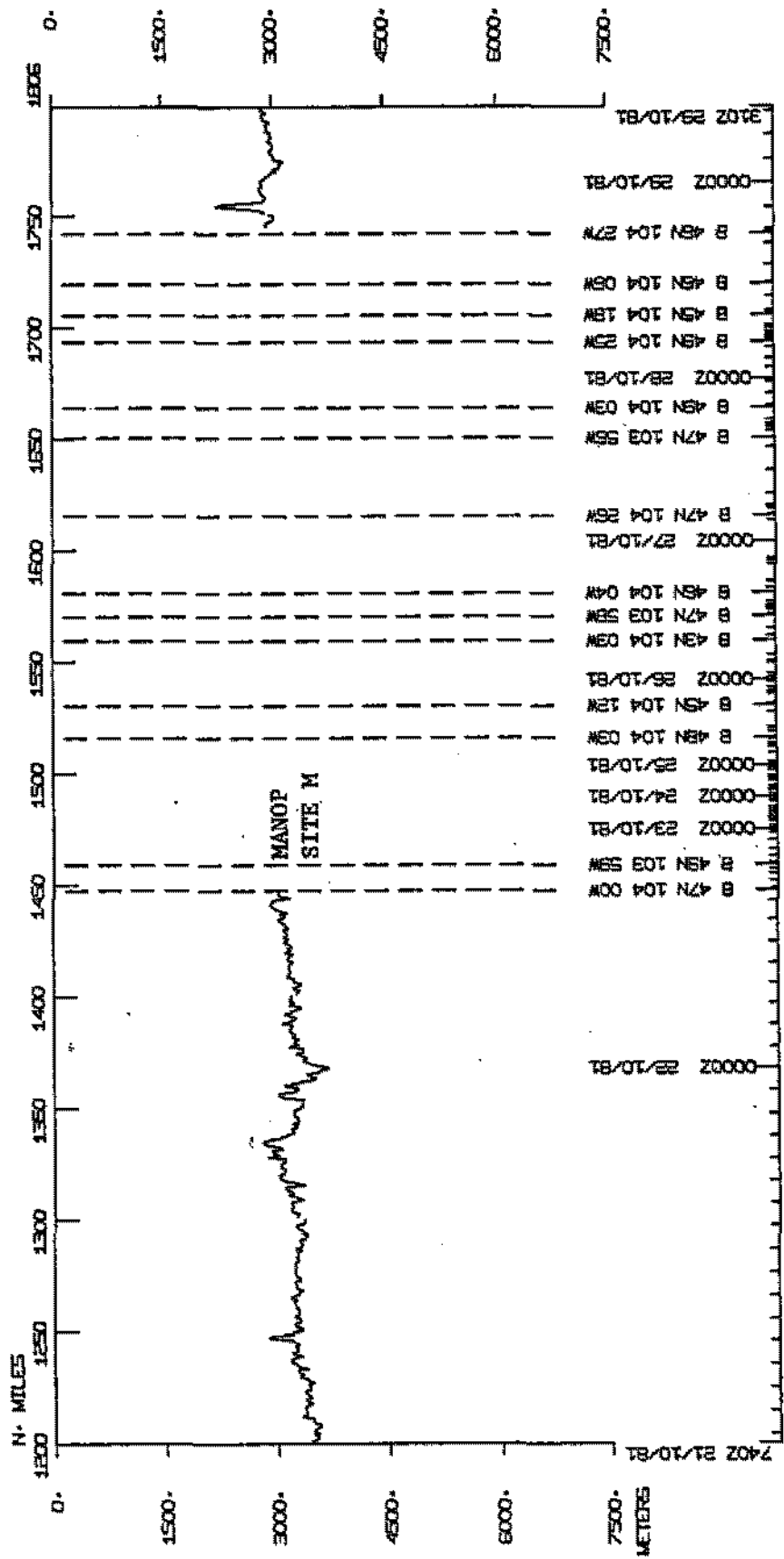
- 1) Cruise - 2353 miles
- 2) Bathymetry - 1723 miles
- 3) Magnetics - 1288 miles
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected

15 00'N
10 00'N
5 00'N

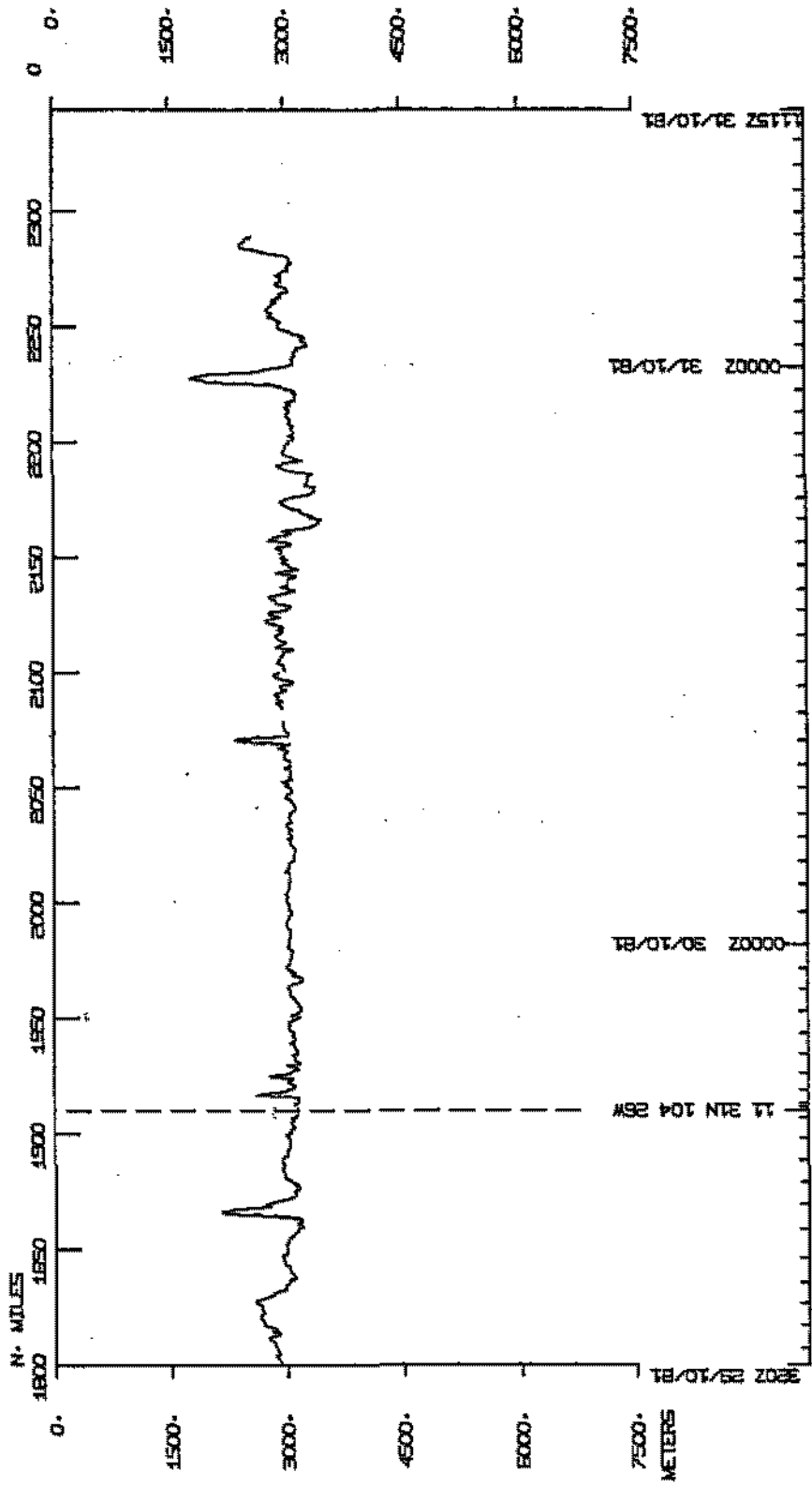
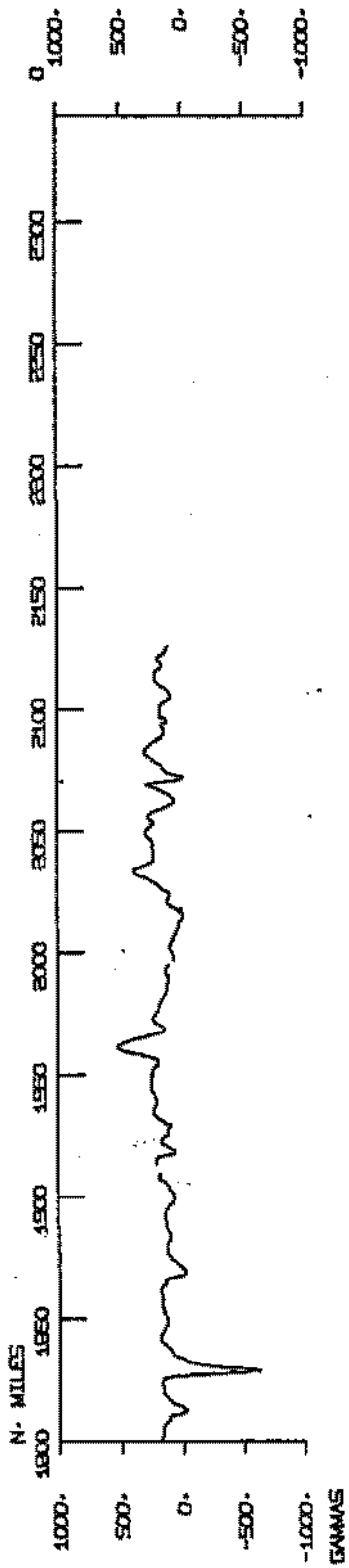
PLUTONIUM



PLUTONIUM



PLUTOO3MV



S.I.O. Sample Index
(Issued December 1981)

PLUTO EXPEDITION

Leg 3

Puntarenas, Costa Rica (10 October 1981)
to
Manzanillo, Mexico (31 October 1981)

R/V Melville

Chief Scientist - R. Weiss (SIO)

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.)

S.I.O. SAMPLE INDEX

GENERATED 10DEC81

*** PLUTO LIG 03 MV SAMPLE INDEX

(PLT003MV) ***

```

      60E      120E      180      120W      60W      0W
.....+.....+.....+.....+.....+.....+.....+
      'X' = SHIP'S TRACK BY 5 DEGREE SQUARE
85N
80N
75N
70N
65N
60N
55N
50N
45N
40N
35N
30N
25N
20N
15N
10N
5N
0N
5S
10S
15S
20S
25S
30S
35S
40S
45S
50S
55S
60S
65S
70S
75S
80S
85S
90S
.....+.....+.....+.....+.....+.....+.....+
      60E      120E      180      120W      60W      0W

```

10OCT81 - PUNTARENAS, CO. RICA

TN

31OCT81 - MANZANILLO, MEXICO

CHIEF SCIENTIST - WFISS, R.DK. GRD

SHIP - R/V MELVILLE (S10)

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
	CA	CO	DP	DR	GC	HC	LB	MG	PE	SD	
ANS	1	5								1	5
GCR	1			2						1	2
GDC	1		4				1	1		1	6
GRD	1								7	1	7
GSU	1					7			1	1	8
LDO	1	1							1	1	2
MLR	1								2	1	2
MPL	1								2	1	2
MTG	1								2	1	2
OSU	1	17							6	7	30
RFW	1				2					1	2
SIX	1		4		1		2		5	1	12
UWA	1				8				4	1	12
WHO	1								1	1	1
TOTAL	1	22	8	2	11	7	3	1	31	7	93

SAMPLE 'TYPE' CODES USED ABOVE

CA = CAMERA
CO = CORE
DP = DEPTH
DR = DREDGE
GC = GEOCHEMICAL SAMPLING
HC = HYDROGRAPHIC CAST
LB = LOG BOLKS
MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
PE = PERSONNEL IN SCIENTIFIC PARTY
SD = SEDIMENT TRAP

SAMPLE 'DISP' CODES USED ABOVE

ANS = ANDREW SOUTAR (PALEOECOLOGY EXT. 2171)
GCR = GEOLOGICAL CURATING FACILITY -- W. RIEDEL, (EXT. 4386)
GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2152)
GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
GSU = U.S. GEOLOGICAL SURVEY
LDO = LAMONT-DHHERTY GEOPHYSICAL OBSERVATORY, COLUMBIA UNIVERSITY
MLR = MARINE LIFE RESEARCH GROUP (EXT. 2886)
MPL = MARINE PHYSICAL LAB. (EXT 2305)
MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
OSU = OREGON STATE UNIVERSITY
RFW = RAY WEISS (GRD, EXT. 2598)
SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT. 3675)
UWA = UNIV. OF WASHINGTON, SEATTLE
WHO = WOODS HOLE OCEANOGRAPHIC INSTITUTION

GMT D / M / Y	LOC	LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	LEG-SHIP
TIME DATE	TIME T2	SAFP	DISP					CRUISE
/ / 000				PLUTO LFG 03 MV SAMPLE INDEX		00 00.	00 00.	PLT003MV

*** PORTS ***

1059 10/10/81				LGPT R PUNTARENAS, CU, KICA		09 54. N	84 50. W	F PLT003MV
1400 31/10/81				LGPT E MANZANILLO, MEXICO		19 03. N	104 20. W	F PLT003MV

PERSONNEL

*** NAME *** *** TITLE *** *** AFFILIATION ***

1 WEISS, R. LR.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
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14 KIRSTEN, D.	DEVELOPMENT ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
15 JAHNKE, R. DR.	POST DOC.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
16 RAUSE, A.	DEVELOPMENT TECH.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
17 CHRISTIANSEN, M.	DEVELOPMENT TECH.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
18 MANSIR, F.	ELECT. TECH.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
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22 SOUTAR, A.	SPECIALIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
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27 MCCORKLE, D.	GRAD. STUD.	UNIV. OF WASHINGTON, SEATTLE
28 FISCHER, K.	GRAD. STUDENT	OREGON STATE UNIVERSITY
29 FINNEY, B.	GRAD. STUD.	OREGON STATE UNIVERSITY
30 HUM, C.	GRAD. STUD.	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT. 3675)
31 HUMPHY, K.	GRAD. STUD.	OREGON STATE UNIVERSITY

NOTES AN 'X' IN THE IREGIN/FIND 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.
(MOREON 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 D / M / Y	LOC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	LEG-SHIP
TIME DATE	TIME TZ	SAMP		DISP			CRUISE

**** UNDERWAY DATA CURATOR - STUART M. SMITH EXT. 2752 ***

*** LOG BOOKS ***

1059 10/10/81	LBWU B UNDERWAY DATA LOG	GDC 09 43.1N 84 53.1W S PLT003MV
2355 30/10/81	LBWU E UNDERWAY DATA LOG	GDC 16 48.4N 104 22.7W S PLT003MV
0837 11/10/81	LBSC B SITE H LOG BOOK	GDX 08 29.7N 87 56.2W S PLT003MV
0604 19/10/81	LBSC E SITE H LOG BOOK	GDX 06 35.7N 92 45.5W S PLT003MV
1000 22/10/81	LBSC B SITE M LOG BOOK	GDX 08 47.6N 103 57.9W S PLT003MV
2205 27/10/81	LBSC E SITE M LOG BOOK	GDX 08 49.4N 104 11.2W S PLT003MV

*** FATHOGRAMS ***

1059 10/10/81	DPR3 B EDO 3.5KHZ R-01	GDC 09 43.1N 84 53.1W S PLT003MV
1142 11/10/81	DPR3 E EDO 3.5KHZ R-01	GDC 08 18.6N 88 23.0W S PLT003MV
1204 11/10/81	DPR3 B EDO 3.5KHZ R-02	GDC 08 17.2N 88 26.1W S PLT003MV
2140 13/10/81	DPR3 E EDO 3.5KHZ R-02	GDC 06 34.0N 92 46.9W S PLT003MV
2155 13/10/81	DPR3 B EDO 3.5KHZ R-03 ST M	GDX 06 34.0N 92 46.9W S PLT003MV
2220 16/10/81	DPR3 E EDO 3.5KHZ R-03 ST M	GDX 06 39.0N 92 49.7W S PLT003MV
2245 16/10/81	DPR3 B EDO 3.5KHZ R-04 ST H	GDX 06 39.0N 92 49.4W S PLT003MV
1335 19/10/81	DPR3 E EDO 3.5KHZ R-04 ST H	GDX 07 18.0N 93 06.1W S PLT003MV
0859 22/10/81	DPR3 B EDO 3.5KHZ R-05 ST M	GDX 08 47.9N 104 00.4W S PLT003MV
0650 23/10/81	DPR3 E EDO 3.5KHZ R-05 ST M	GDX 08 47.8N 104 00.1W S PLT003MV
0730 23/10/81	DPR3 B EDO 3.5KHZ R-06 ST M	GDX 08 48.1N 103 59.9W S PLT003MV
2210 28/10/81	DPR3 E EDO 3.5KHZ R-06 ST M	GDX 08 46.1N 104 25.0W S PLT003MV
1340 19/10/81	DPRT B EDO 12KHZ R-01	GDC 07 18.1N 93 06.1W S PLT003MV
0730 22/10/81	DPRT E EDO 12KHZ R-01	GDC 08 46.1N 103 52.7W S PLT003MV
2215 28/10/81	DPRT B EDO 12KHZ R-02	GDC 08 47.1N 104 24.9W S PLT003MV
0001 31/10/81	DPRT E EDO 12KHZ R-02	GDC 16 49.4N 104 22.9W S PLT003MV

GMT D / M / Y	LOC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LUNG.	LEG-SHIP
TIME DATE	TIME T7	SAMP		DISP			CRUISE

*** UNDERWAY DATA CURATOR - STUART M. SMITH EXT. 2752 ***

*** LOG BOOKS ***

1059 10/10/81		LRBW R UNDERWAY DATA LOG	GDC 09 43.1N 84 53.1W S PLT003MV
2355 30/10/81		LRBW E UNDERWAY DATA LOG	GDC 16 48.4N 104 22.7W S PLT003MV

0837 11/10/81		LRSC B SITE H LOG BOOK	SIX 08 29.7N 87 56.2W S PLT003MV
0604 19/10/81		LRSC E SITE H LOG BOOK	SIX 06 35.7N 92 45.5W S PLT003MV

1000 22/10/81		LRSC B SITE M LOG BOOK	SIX 08 47.6N 103 57.9W S PLT003MV
2205 27/10/81		LRSC E SITE M LOG BOOK	SIX 08 49.4N 104 11.2W S PLT003MV

*** FATHOGRAMS ***

1059 10/10/81		DPR3 R FDU 3.5KHZ R-01	GDC 09 43.1N 84 53.1W S PLT003MV
1142 11/10/81		DPR3 E FDU 3.5KHZ R-01	GDC 08 18.4N 88 23.0W S PLT003MV

1204 11/10/81		DPR3 R FDU 3.5KHZ R-02	GDC 08 17.2N 88 26.1W S PLT003MV
2140 13/10/81		DPR3 E FDU 3.5KHZ R-02	GDC 06 34.0N 92 46.9W S PLT003MV

2155 13/10/81		DPR3 R FDU 3.5KHZ R-03 ST M	SIX 06 34.0N 92 46.9W S PLT003MV
2220 16/10/81		DPR3 E FDU 3.5KHZ R-03 ST M	SIX 06 39.0N 92 49.7W S PLT003MV

2245 16/10/81		DPR3 R FDU 3.5KHZ R-04 ST H	SIX 06 39.0N 92 49.4W S PLT003MV
1335 19/10/81		DPR3 E FDU 3.5KHZ R-04 ST H	SIX 07 18.0N 93 06.1W S PLT003MV

0859 22/10/81		DPR3 R FDU 3.5KHZ R-05 ST M	SIX 08 47.9N 104 00.4W S PLT003MV
0650 23/10/81		DPR3 E FDU 3.5KHZ R-05 ST M	SIX 08 47.8N 104 00.1W S PLT003MV

0730 23/10/81		DPR3 R FDU 3.5KHZ R-06 ST M	SIX 08 48.1N 103 59.9W S PLT003MV
2210 28/10/81		DPR3 E FDU 3.5KHZ R-06 ST M	SIX 08 46.1N 104 25.0W S PLT003MV

1340 19/10/81		DPRT R FDU 12KHZ R-01	GDC 07 18.1N 93 06.1W S PLT003MV
0730 22/10/81		DPRT E FDU 12KHZ R-01	GDC 08 46.1N 103 52.7W S PLT003MV

2215 28/10/81		DPRT R FDU 12KHZ R-02	GDC 08 47.1N 104 24.9W S PLT003MV
0001 31/10/81		DPRT E FDU 12KHZ R-02	GDC 16 49.4N 104 22.9W S PLT003MV

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GMT D / M / Y	LOC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	LEG-SHIP
TIME DATE	TIME T2	SAMP		DISP			CRUISE

*** MAGNETOMETER ***

0835 16/10/81 MGRA E MAGNETICS R-01 GRE 92 48:5N 104 57:3W S PLT003MV

*** DREDGES ***

2028 16/10/81	DRRO B DREDGE DR-02	3453M	GCR 06 39.7N	92 50.9W	S	PLT003MV
2207 16/10/81	DRRO E DREDGE DR-02		GCR 06 39.0N	92 49.9W	S	PLT003MV
1501 24/10/81	DRRO B DREDGE DR-03	3230M	GCR 08 46.7N	103 58.7W	S	PLT003MV
1615 24/10/81	DRRO E DREDGE DR-03		GCR 08 46.7N	103 58.2W	S	PLT003MV

*** CORES ***

0854 15/10/81	CORX B SOUTAR BOX 08	3585M	ANS 06 35.0N	92 49.9W	S	PLT003MV
1154 15/10/81	CORX E SBC 6		ANS 06 34.9N	92 50.0W	S	PLT003MV
0615 17/10/81	CORX B SOUTAR BOX 11	3570M	ANS 06 35.5N	92 48.1W	S	PLT003MV
0920 17/10/81	CORX E SBC12		ANS 06 35.3N	92 48.2W	S	PLT003MV
0552 18/10/81	CORX B SOUTAR BOX 13	3590M	ANS 06 32.6N	92 49.2W	S	PLT003MV
0836 18/10/81	CORX E SBC16		ANS 06 33.2N	92 49.0W	S	PLT003MV
0100 23/10/81	CORX B SOUTAR BOX 14	3125M	ANS 08 48.3N	103 59.6W	S	PLT003MV
0443 23/10/81	CORX E SBC20		ANS 08 47.5N	103 59.5W	S	PLT003MV
1959 24/10/81	CORX B SOUTAR BOX 16		ANS 08 47.5N	104 00.5W	S	PLT003MV
2234 24/10/81	CORX E SBC25		ANS 08 47.7N	104 00.7W	S	PLT003MV
2206 11/10/81	CORX B OSU BOX CO 07	3477M	OSU 08 08.3N	88 44.2W	S	PLT003MV
0130 12/10/81	CORX X RC3 NO SAMPLE		OSU 08 08.2N	88 42.4W	S	PLT003MV
0420 16/10/81	CORX B OSU BOX CO 09	3565M	OSU 06 33.2N	92 47.8W	S	PLT003MV
0755 16/10/81	CORX X RC 9 NO SAMPLE		OSU 06 33.1N	92 46.9W	S	PLT003MV
0856 16/10/81	CORX B OSU BOX CO 10	3565M	OSU 06 33.2N	92 48.0W	S	PLT003MV
1225 16/10/81	CORX X RC10 NO SAMPLE		OSU 06 32.5N	92 47.7W	S	PLT003MV
2141 17/10/81	CORX B OSU BOX CO 12	3592M	OSU 06 35.5N	92 46.7W	S	PLT003MV
0042 18/10/81	CORX E RC15		OSU 06 35.4N	92 46.3W	S	PLT003MV
0858 23/10/81	CORX B OSU BOX CO 15		OSU 08 47.2N	104 00.4W	S	PLT003MV
1204 23/10/81	CORX E RC22		OSU 08 46.9N	103 59.7W	S	PLT003MV

GMT D / M / Y TIME DATE	LOC LOC TIME T7	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
0135 26/10/81		COBX B	OSU BOX CO 24 3250M	OSU OR	43.5N	104 18.4W	S PLT003MV
0358 26/10/81		COBX X	RC37 NO SAMPLE	OSU OR	44.2N	104 11.5W	S PLT003MV
0522 26/10/81		COBX B	OSU BOX CO 25 2985M	OSU OR	44.1N	104 04.6W	S PLT003MV
08 ¹ 26/10/81		C ^N X	RC38 NO TRIP	OSU OR	42.3N	104 04.5W	S PLT003MV
0652 25/10/81		COGV	OSU CO-17 GC27 3125M	OSU OR	47.2N	104 05.3W	S PLT003MV
1130 25/10/81		COGV X	OSU CO-18 GC28 3080M	OSU OR	50.6N	104 04.1W	S PLT003MV
2054 25/10/81		COGV	OSU CO-19 GC30 3112M	OSU OR	45.7N	104 16.8W	S PLT003MV
2353 25/10/81		COGV X	OSU CO-20 GC31 3135M	OSU OR	43.9N	104 19.1W	S PLT003MV
0356 26/10/81		COGV	SIO CO-21 GC32 2635M	OSU OR	44.3N	104 11.5W	S PLT003MV
0703 26/10/81		COGV X	OSU CO-22 GC33 3025M	OSU OR	42.6N	104 04.8W	S PLT003MV
1718 26/10/81		COGV X	OSU CO-23 GC35 2960M	OSU OR	45.4N	104 03.8W	S PLT003MV
1930 26/10/81		COGV X	SIO CO-26 GC39 2956M	OSU OR	45.9N	104 09.6W	S PLT003MV
2200 26/10/81		COGV X	SIO CO-27 GC40 2625M	OSU OR	45.5N	104 13.4W	S PLT003MV
2330 26/10/81		COGV	SIO CO-28 GC41 2530M	OSU OR	46.0N	104 14.9W	S PLT003MV
0150 27/10/81		COGV	SIO CO-29 GC42 2990M	OSU OR	46.8N	104 26.3W	S PLT003MV
0440 27/10/81		COGV	OSU CO-30 GC43 2970M	OSU OR	45.6N	104 25.9W	S PLT003MV
1024 27/10/81		COGV	OSU CO-31 GC45 3015M	OSU OR	46.5N	104 06.7W	S PLT003MV
1305 27/10/81		COGV	SIO CO-31 GC46 3087M	OSU OR	48.2N	103 60.0W	S PLT003MV
1609 27/10/81		COGV	SIO CO-32 GC47 3105M	OSU OR	48.1N	103 58.7W	S PLT003MV
2050 27/10/81		COGV	OSU CO-33 GC48 2943M	OSU OR	49.5N	104 05.4W	S PLT003MV
*** CAMERA ***							
1059 10/10/81		CAXX C	BOTTOM DCFAN MONITORING	LDD 09	43.1N	R4 53.1W	S PLT003MV
1236 18/10/81		CAXX E	RCVD CM AND CA	LDD 06	33.4N	92 45.3W	S PLT003MV
SEDIMENT TRAP							
1059 10/10/81		SDTP C	SED. TRAP RECOVERY	OSU 09	43.1N	R4 53.1W	S PLT003MV
0056 15/10/81		SDTR E	RCVD H-2 (VLCN01)	OSU 06	34.1N	92 44.1W	S PLT003MV
1054 10/10/81		SDTP C	SED. TRAP RECOVERY	OSU 09	43.1N	R4 53.1W	S PLT003MV
2056 17/10/81		SDTP F	RCVD H-1 (VLCN01)	OSU 06	34.1N	92 45.2W	S PLT003MV
1059 10/10/81		SDTR C	SED. TRAP RECOVERY	OSU 09	43.1N	R4 53.1W	S PLT003MV
1625 23/10/81		SDTR F	RCVD H-1 (VLCN01)	OSU 08	47.0N	103 59.1W	S PLT003MV
1059 10/10/81		SDTR C	SED. TRAP RECOVERY	OSU 09	43.1N	R4 53.1W	S PLT003MV
2219 23/10/81		SDTR E	RCVD H-2 (VLCN01)	OSU 08	48.0N	103 59.7W	S PLT003MV

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GMT TIME	D / M / Y DATE	LOC TIME T2	LOC	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1441	15/10/81			SDTR	MUURED SED. TRAP 01	DSU 06	34.6N	92 48.0W	S PLT003MV
0930	17/10/81			SDTR	MUURED SED. TRAP 02	DSU 06	35.3N	92 48.2W	S PLT003MV
0853	18/10/81			SDTR	MUURED SED. TRAP 03	DSU 06	33.0N	92 49.1W	S PLT003MV

GE/CHEMICAL SAMPLE

1616	11/10/81			GCXX B	PURE WATER SAMPLER	UWA 08	08.1N	88 46.7W	S PLT003MV
1954	11/10/81			GCXX E	01 EHP 2 3577M	UWA 08	07.7N	88 45.3W	S PLT003MV
0453	14/10/81			GCXX B	PURE WATER SAMPLER	UWA 06	33.9N	92 46.9W	S PLT003MV
0814	14/10/81			GCXX F	02 EHP 5 3562M	UWA 06	33.9N	92 45.4W	S PLT003MV
1705	15/10/81			GCXX B	PURE WATER SAMPLER	SIX 06	36.9N	92 50.0W	S PLT003MV
1816	15/10/81			GCXX X	03 HMP 8 LOST 3565M	SIX 06	36.9N	92 50.3W	S PLT003MV
0952	17/10/81			GCXX B	PURE WATER SAMPLER	UWA 06	35.3N	92 48.3W	S PLT003MV
1326	17/10/81			GCXX E	04 EHP14 3570M	UWA 06	35.3N	92 48.4W	S PLT003MV
1820	18/10/81			GCXX B	PURE WATER SAMPLER	UWA 06	34.7N	92 46.1W	S PLT003MV
2145	18/10/81			GCXX E	05 EHP17 3577M	UWA 06	34.7N	92 46.5W	S PLT003MV
2022	23/10/81			GCXX B	PURE WATER SAMPLER	UWA 08	48.0N	103 58.5W	S PLT003MV
2249	23/10/81			GCXX B	PURE WATER SAMPLER	UWA 08	47.9N	103 59.8W	S PLT003MV
0228	24/10/81			GCXX E	07 EHP23	UWA 08	47.7N	103 59.7W	S PLT003MV
2311	24/10/81			GCXX B	PURE WATER SAMPLER	UWA 08	47.7N	104 01.0W	S PLT003MV
0236	25/10/81			GCXX E	08 EHP26	UWA 08	48.1N	104 00.4W	S PLT003MV
1160	26/10/81			GCXX B	PURE WATER SAMPLER	UWA 08	47.5N	104 00.4W	S PLT003MV
1428	26/10/81			GCXX E	09 EHP34	UWA 08	47.4N	104 01.8W	S PLT003MV
1728	14/10/81			GCXX B	LANDER 01 M 3570M	RFW 06	34.1N	92 46.7W	S PLT003MV
1415	18/10/81			GCXX E	IN SITU WATER, SED.	RFW 06	34.3N	92 48.8W	S PLT003MV
1738	22/10/81			GCXX B	LANDER 02 M 3125M	RFW 08	48.0N	103 59.7W	S PLT003MV
1340	26/10/81			GCXX E	IN SITU WATER, SED.	RFW 08	47.4N	104 01.2W	S PLT003MV

HYDROGRAPHIC CAST

0912	11/10/81			HCN1	HC1 HC01 28TL 300M	GSU 08	27.7N	88 01.5W	S PLT003MV
2351	13/10/81			HCN1	HC2 HC04 98TL 3578M	GSU 06	34.0N	92 46.7W	S PLT003MV
0540	19/10/81			HCN1	HC3 HC18 88TL 3577M	GSU 06	35.7N	92 45.5W	S PLT003MV
0628	23/10/81			HCN1	HC4 HC21 98TL 3125M	GSU 08	47.5N	104 00.2W	S PLT003MV
1611	25/10/81			HCN1	HC5 HC29 98TL 2625M	GSU 08	46.0N	104 12.8W	S PLT003MV
2119	25/10/81			HCN1	HC6 HC36 98TL 2615M	GSU 08	45.2N	104 17.2W	S PLT003MV
0724	27/10/81			HCN1	HC7 HC44 98TL 2925M	GSU 08	45.0N	104 26.0W	S PLT003MV

9900

END SAMPLE INDEX

PLT003MV