

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH AND MAGNETIC DATA
(Issued February 1982)

PLUTO EXPEDITION

LEG 1

San Diego, Calif. (11 August 1981)
to
Balboa, Panama (12 September 1981)
R/V Melville

Co-Chief Scientists - P. Lonsdale (SIO)
G. Moore (SIO)

Resident Marine Tech - R. Wilson

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

Data Collection Funded by NSF
Grant Number OCE80-24472
Data Processing Funded by SIA, NSF and ONR

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:

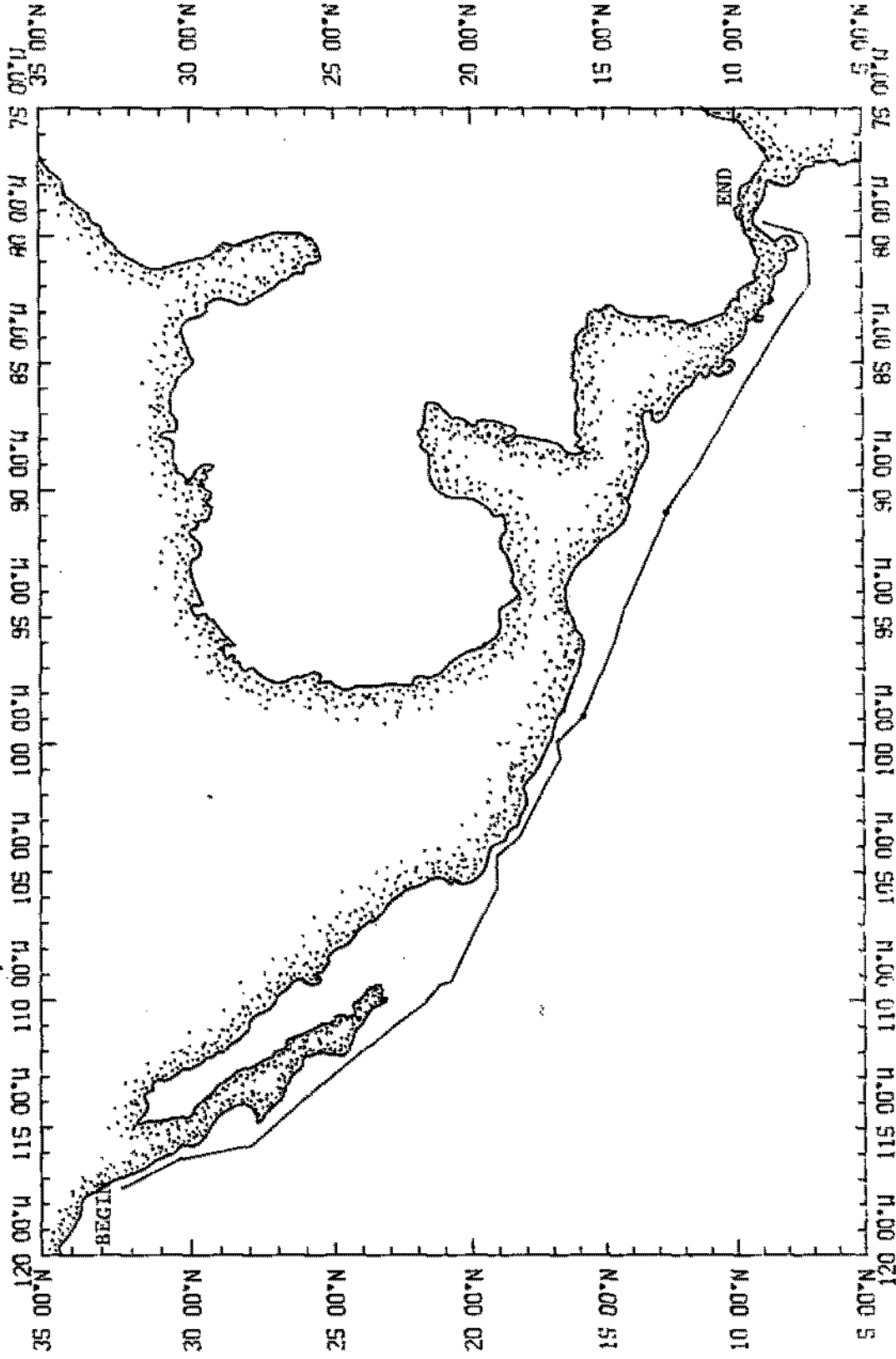
- Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).
- Track Charts - annotated with dates (day/month) and hour ticks. The scale is .3 in/degree longitude.
- Profiles - depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course 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

* No underway data collected on this leg. Navigation processed to provide track charts and positions for Sample Index.

PLUTO MV
 TRACK (ABSTRACT FILE) AT 1632IN/DEGRE



SPANNING - ABSTRACT DATA PRESENT ON THIS PLOT

PLUTO EXPEDITION
 LEG 1

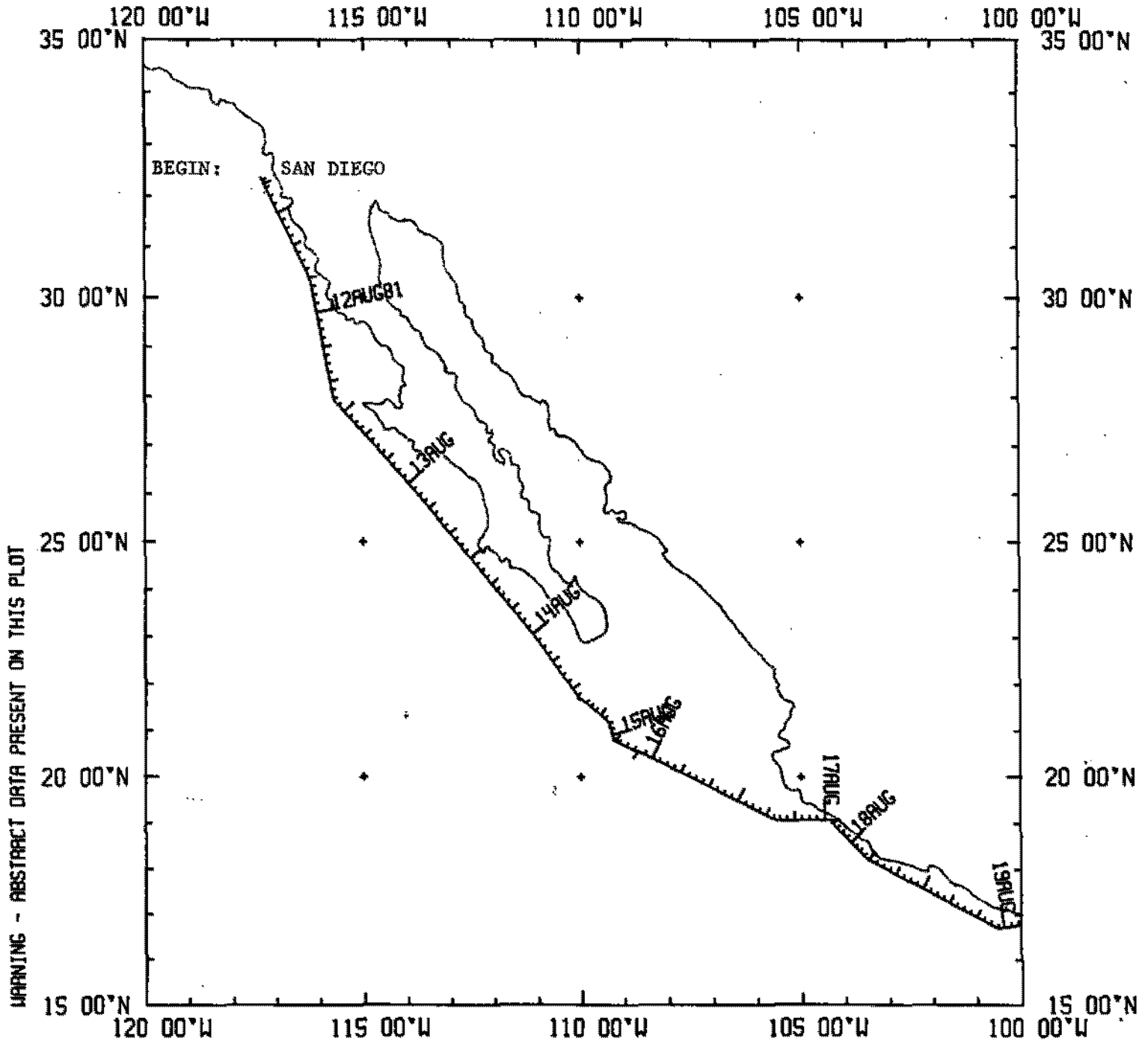
Co-Chief Scientists: P. Lonsdale, G. Moore (SIO)
 Ports: San Diego, Calif. - Balboa, Panama Canal Zone
 Dates: 11 August - 12 September, 1981
 Ship: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 3451 miles
- 2) Bathymetry - none collected
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected

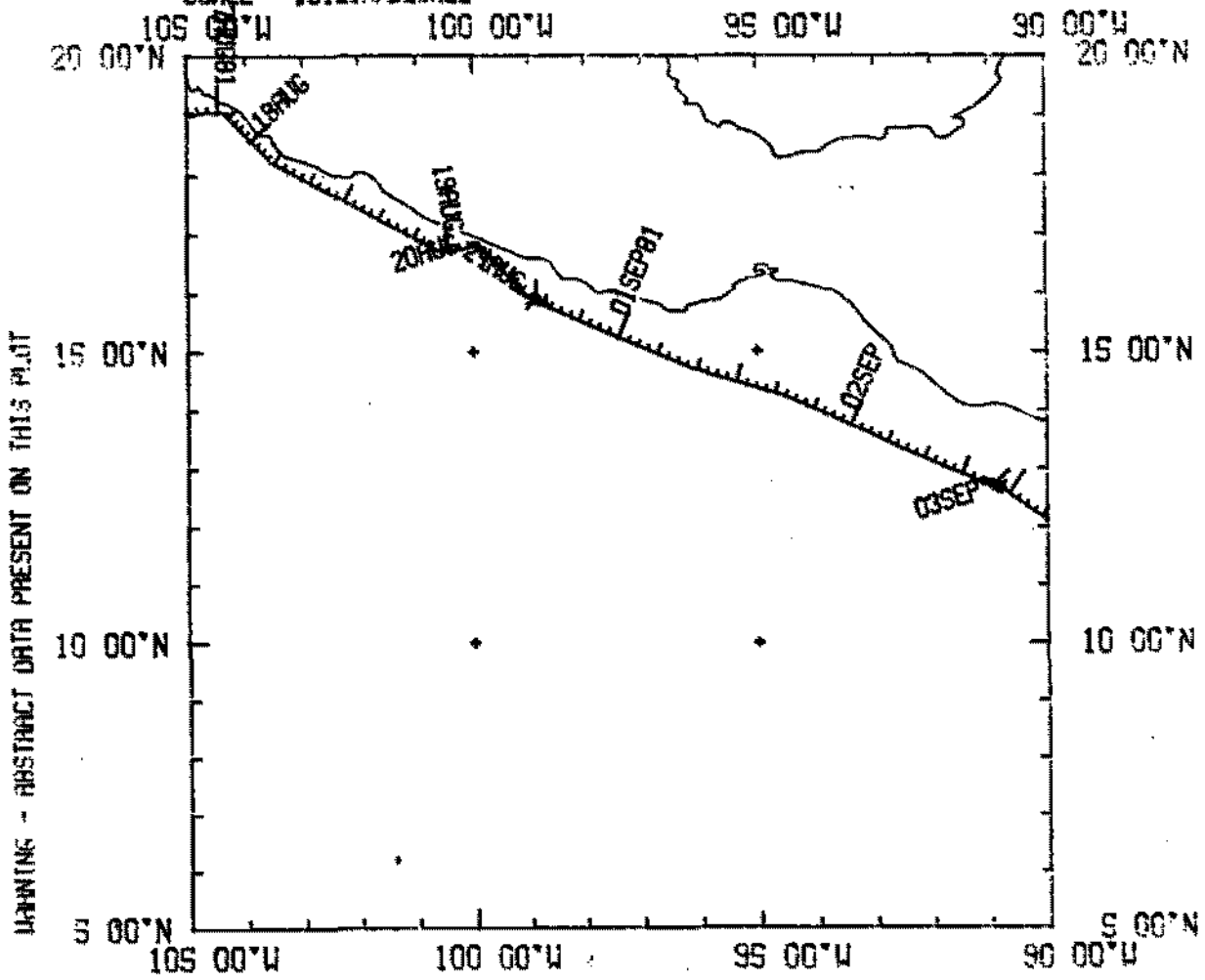
PLT001MV (TRACK 1 OF 3)

SCALE = .312IN/DEGREE



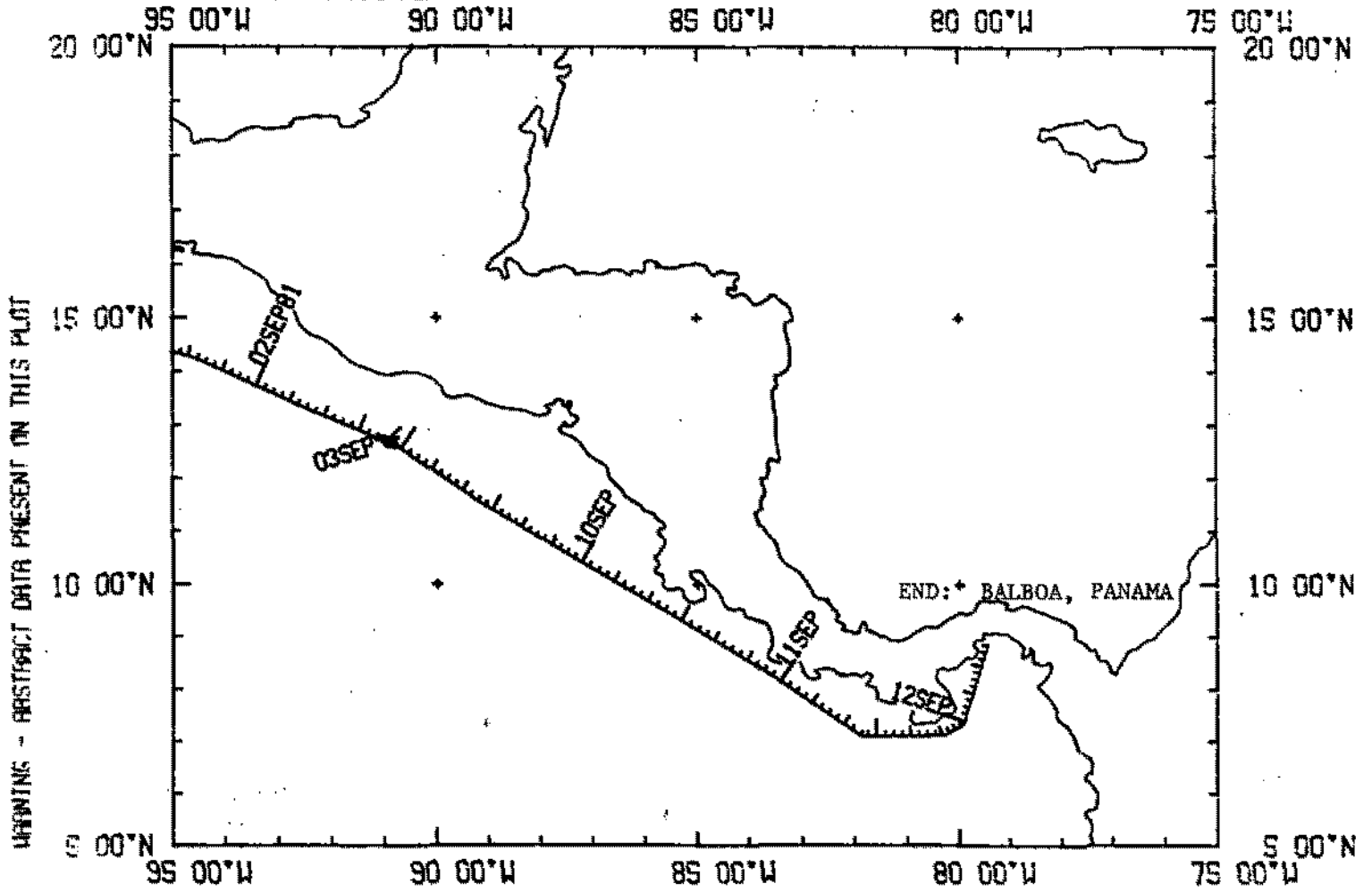
PLT001MV (TRACK PLOT 2 OF 3)

SCALE = .312IN/DEGREE



PLT001MV (TRACK PLOT 3 OF 3)

SCALE = .312IN/DEGREE



S.I.O. Sample Index
(Issued February 1982)

PLUTO EXPEDITION

Leg 1

San Diego, Calif. (11 August 1981)
to
Balboa, Panama (12 September 1981)

R/V Melville

Co-Chief Scientists - P. Lonsdale & G. Moore (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 04MAR82

*** SAMPLE INDEX PLUTO LEG 01

(PLT001MV) ***

| | 60E | 120E | 180 | 120W | 60W | 0W | |
|-----|---|------------|-----|---|--------|-----|-----|
| 85N | IXI = SHIP'S TRACK BY 5 DEGREE SQUARE | | | | | | 85N |
| 80N | | | | | 0 0000 | 80N | |
| 75N | | 0 | | 0 00000 0000000000 | | 75N | |
| 70N | | 0000000000 | | 0000 0 00 0 00000000 | | 70N | |
| 65N | 0000 00 | | | 0000000000000000 00 0000 0 | | 65N | |
| 60N | 000 | | | 00000000000000 00 00 | | 60N | |
| 55N | 0 0000000000000000000000 00 | | 0 | 00000000 000 | | 55N | |
| 50N | 0000000000000000000000000000 0 | | | 000000000 0000 | | 50N | |
| 45N | 0000000000 0000000000000000000000 | | | 000000000000 0 | | 45N | |
| 40N | 0 00 00 0000000000000000 0 | | | 000000000000 | | 40N | |
| 35N | 0 00000 00000000000000 0 | | | 000000000 | | 35N | |
| 30N | 000 000 0000000000000000 0 | | | 00000000 | | 30N | |
| 25N | 0000000000 000000000000 | | | 0000 0 | | 25N | |
| 20N | 0000000 0000 000 00000 | | 0 | X0 00 | | 20N | |
| 15N | 00000000 00 0 00 0 | | | NO 0 | | 15N | |
| 10N | 000000000 0 0 0 0 | | | X0 | | 10N | |
| 5N | 0000000000 | | | 08000 | | 5N | |
| 0N | 0000000 | 00 00 | | 000000 | | 0N | |
| 5S | 000000 | 0 0 0 00 | | 0000000 | | 5S | |
| 10S | 00000 | 0 00 | | 000000000 | | 10S | |
| 15S | 00000 | 0 0 | | 0000000 | | 15S | |
| 20S | 000000 0 | 0000 | | 000000 | | 20S | |
| 25S | 0000 0 | 000000 | | 000000 | | 25S | |
| 30S | 00 | 00000000 | | 0000 | | 30S | |
| 35S | 00 | 00 000 | 0 | 00000 | | 35S | |
| 40S | | 00 0 | | 000 | | 40S | |
| 45S | | 0 | | 00 | | 45S | |
| 50S | | | | 00 | | 50S | |
| 55S | | | | 0 | | 55S | |
| 60S | | | | | | 60S | |
| 65S | | | | | | 65S | |
| 70S | 00 0000000000 | | | 0 | | 70S | |
| 75S | 000 | | | 0 00000 0000 | | 75S | |
| 80S | 000 | | | 000000000000000000000000 00000000 | | 80S | |
| 85S | 000 | | | 000 | | 85S | |
| 90S | 000 | | | 000 | | 90S | |

11AUG81 - SAN DIEGO, CA.
TO
12SEP81 - BALBOA, PANAMA C.Z.
CHIEF SCIENTISTS - MOORE, G. GRD
 LONSDALE, P. MPL

SHIP - R/V MELVILLE (SID)
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 |
|-------|------|----|----|----|----|----|----|-------|
| | CM | CO | DR | DT | LB | NV | PE | |
| FNC | I | | | | | | | 1 |
| GCR | I | | 8 | 1 | | | | 9 |
| GRD | I | | | | | | | 3 |
| JPN | I | | | | | | | 1 |
| MPL | I | 6 | | | 5 | 1 | 19 | 41 |
| MTG | I | | | | | | | 2 |
| SIX | I | | | | | | | 3 |
| TOTAL | I | 6 | 8 | 1 | 5 | 1 | 19 | 60 |

SAMPLE 'TYPE' CODES USED ABOVE

CM = CURRENT MEASUREMENT
 CO = CORE
 DR = DREDGE
 DT = DEEP TOWED INSTRUMENT PACKAGE (MPL PROJECT)
 LB = LOG BOOKS
 NV = NAVIGATION
 PE = PERSONNEL IN SCIENTIFIC PARTY

SAMPLE 'DISP' CODES USED ABOVE

FNC = FRANCE
 GCR = GEOLOGICAL CURATING FACILITY -- W. RIEDEL, (EXT. 4386)
 GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
 JPN = JAPAN
 MPL = MARINE PHYSICAL LAB. (EXT 2305)
 MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
 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 |
|--------------------------|--------------------|--------------|---------------|--------------|------|-------|--------------------|
|--------------------------|--------------------|--------------|---------------|--------------|------|-------|--------------------|

SAMPLE INDEX PLUTO LEG 01

PLT001MV

*** PORTS ***

| | | | | | | | |
|---------------|--|--------|---------------------|--|----------|-----------|------------|
| 0254 11/ 8/81 | | LGPT B | SAN DIEGO, CA. | | 32 43. N | 117 11. W | F PLT001MV |
| 1300 12/ 9/81 | | LGPT E | BALBOA, PANAMA C.Z. | | 08 57. N | 79 34. W | F PLT001MV |
| 0113 17/ 8/81 | | LGUS B | MANZANILLO, MEXICO | | 19 03. N | 104 20. W | F PLT001MV |
| 1910 17/08/81 | | LGUS E | MANZANILLO, MEXICO | | 19 03. N | 104 20. W | F PLT001MV |
| 0345 19/ 8/81 | | LGUS B | ACAPULCO, MEXICO | | 16 51. N | 99 56. W | F PLT001MV |
| 1535 23/08/81 | | LGUS E | ACAPULCO, MEXICO | | 16 51. N | 99 56. W | F PLT001MV |

PERSONNEL

| *** NAME *** | *** TITLE *** | *** AFFILIATION *** |
|-------------------|-----------------|--|
| 1 MOORE, G. | CHIEF SCIENTIST | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 2 LONSDALE, P. | CHIEF SCIENTIST | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 3 CASTILLO, D. | STUDENT | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 4 CHARTERS, J. | COMP. TECH. | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 5 DEMOUSTIER, C. | STUDENT | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 6 GLEASON, D. | DEV. TECH | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 7 JAIN, J. | ENGINEER | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 8 KLEINROCK, M. | STUDENT | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 9 LAWHEAD, R. | COMP. TECH. | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 10 LINZER, M. | ENG. AIDE | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 11 METZLER, C. | STUDENT | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 12 OKAZAKI, D. | VOLUNTEER | SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675) |
| 13 CORDERO, J. | GUATEMALA OBS | SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675) |
| 14 PAVLICEK, V. | ENGINEER | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 15 ROUMP, J. | STUDENT | FRANCE |
| 16 SAKAI, A. | JAPAN OBS. | JAPAN |
| 17 STEVENS, S. | STUDENT | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 18 THORNBURGH, C. | STUDENT | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 19 WILSON, R. | RES. TECH. | SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 |
| 20 GALIVIZ, A. | MEXICO OBS. | SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675) |

NOTES

AN 'X' IN THE (REGION/E)MD 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 D /M /Y TIME DATE | LOC LOC TIME TZ | CODE SAMP | SAMPLE IDENT. | CODE DISP | LAT. | LONG. | LEG-SHIP CRUISE |
|--------------------------|--------------------|--------------|---------------|--------------|------|-------|--------------------|
|--------------------------|--------------------|--------------|---------------|--------------|------|-------|--------------------|

*** LOG BOOKS ***

| | | | | | | | |
|---------------|--|--------|------------------|--------|-------|-----------|------------|
| 2349 15/ 8/81 | | LBOT B | DEEPTOW LOG BOOK | MPL 20 | 24.7N | 108 24.9W | S PLT001MV |
| 2131 8/ 9/81 | | LBOT E | DEEPTOW LOG BOOK | MPL 12 | 38.9N | 90 52.4W | S PLT001MV |

**** DEEP TOW SURVEY **** CURATOR ROBERT LAWHEAD EXT. 4892

| | | | | | | | |
|---------------|--|--------|----------------|--------|-------|-----------|------------|
| 0337 15/ 8/81 | | DTWS B | DEEPTOW SURVEY | MPL 20 | 47.6N | 109 16.6W | S PLT001MV |
| 1500 15/ 8/81 | | DTWS E | DEEPTOW SURVEY | MPL 20 | 47.7N | 109 15.9W | S PLT001MV |
| 0715 24/ 8/81 | | DTWS B | DEEPTOW SURVEY | MPL 15 | 56.5N | 98 49.1W | S PLT001MV |
| 1914 26/ 8/81 | | DTWS E | DEEPTOW SURVEY | MPL 15 | 49.8N | 98 53.0W | S PLT001MV |
| 0400 27/ 8/81 | | DTWS B | DEEPTOW SURVEY | MPL 15 | 57.3N | 98 52.5W | S PLT001MV |
| 2250 27/ 8/81 | | DTWS E | DEEPTOW SURVEY | MPL 15 | 51.6N | 98 54.6W | S PLT001MV |
| 1628 28/ 8/81 | | DTWS B | DEEPTOW SURVEY | MPL 15 | 55.6N | 98 51.5W | S PLT001MV |
| 1330 30/ 8/81 | | DTWS E | DEEPTOW SURVEY | MPL 15 | 52.6N | 98 52.5W | S PLT001MV |
| 0108 3/ 9/81 | | DTWS B | DEEPTOW SURVEY | MPL 12 | 37.0N | 90 50.2W | S PLT001MV |
| 1038 6/ 9/81 | | DTWS E | DEEPTOW SURVEY | MPL 12 | 38.3N | 90 52.1W | S PLT001MV |

*** DREDGES *** CURATOR - W. RIEDEL EXT. 4386

| | | | | | | | | |
|---------------|--|--------|----------|------|--------|-------|----------|------------|
| 0315 31/ 8/81 | | DRRO B | DREDGE01 | 4370 | GCR 15 | 53.4N | 98 52.8W | S PLT001MV |
| 1138 31/ 8/81 | | DRRO E | DREDGE01 | 4370 | GCR 15 | 51.5N | 98 52.9W | S PLT001MV |

*** CORES ***

| | | | | | | | | |
|---------------|--|------|---------|------|--------|-------|----------|------------|
| 2137 26/ 8/81 | | COGV | PLT01G | 3975 | GCR 15 | 52.9N | 98 49.1W | S PLT001MV |
| 2007 30/ 8/81 | | COPS | PLT02P | 4430 | GCR 15 | 53.5N | 98 52.4W | S PLT001MV |
| 2007 30/ 8/81 | | COPG | PLT02PG | 4430 | GCR 15 | 53.5N | 98 52.4W | S PLT001MV |
| 0315 31/ 8/81 | | COPS | PLT03P | 4400 | GCR 15 | 53.4N | 98 52.8W | S PLT001MV |
| 0315 31/ 8/81 | | COPG | PLT03PG | 4400 | GCR 15 | 53.4N | 98 52.8W | S PLT001MV |
| 2242 7/ 9/81 | | COGV | PLT04G | 5462 | GCR 12 | 43.0N | 90 55.1W | S PLT001MV |
| 0522 8/ 9/81 | | COGV | PLT05G | 6090 | GCR 12 | 38.5N | 90 53.1W | S PLT001MV |
| 1607 8/ 9/81 | | COGV | PLT06G | 5905 | GCR 12 | 38.3N | 90 56.7W | S PLT001MV |

CURRENT MEASUREMENT

| | | | | | | | | |
|---------------|--|--------|----------|---|--------|-------|----------|------------|
| 0124 24/ 8/81 | | CMAB B | CM1 1008 | G | MPL 15 | 51.5N | 98 53.7W | S PLT001MV |
| 1313 31/ 8/81 | | CMAB E | CM1 1008 | G | MPL 15 | 52.2N | 98 54.6W | S PLT001MV |
| 0306 24/ 8/81 | | CMAB B | CM2 1007 | G | MPL 15 | 54.3N | 98 51.2W | S PLT001MV |
| 1418 31/ 8/81 | | CMAB E | CM2 1007 | G | MPL 15 | 52.9N | 98 53.4W | S PLT001MV |

| GMT D /M /Y | LOC LOC | CODE | SAMPLE IDENT. | CODE | LAT. | LONG. | LEG-SHIP |
|---------------|---------|--------|---------------|--------|-------|----------|------------|
| TIME DATE | TIME TZ | SAMP | | DISP | | | CRUISE |
| 0528 24/ 8/81 | | CMAB B | CM3 1021 G | MPL 15 | 49.7N | 98 50.8W | S PLT001MV |
| 1525 31/ 8/81 | | CMAB E | CM3 1021 G | MPL 15 | 50.0N | 98 50.4W | S PLT001MV |
| 1531 2/ 9/81 | | CMAB B | CM4 1008 G | MPL 12 | 39.8N | 90 55.8W | S PLT001MV |
| 2137 8/ 9/81 | | CMAB E | CM4 1008 G | MPL 12 | 39.1N | 90 52.1W | S PLT001MV |
| 1718 2/ 9/81 | | CMAB B | CM5 1007 G | MPL 12 | 42.6N | 90 55.9W | S PLT001MV |
| 1844 2/ 9/81 | | CMAB E | CM5 1007 G | MPL 12 | 36.9N | 90 55.2W | S PLT001MV |
| 1844 2/ 9/81 | | CMAB B | CM6 1021 G | MPL 12 | 36.9N | 90 55.2W | S PLT001MV |
| 2104 8/ 9/81 | | CMAB E | CM6 1021 G | MPL 12 | 38.2N | 90 55.5W | S PLT001MV |

*** NAVIGATIONAL INSTRUMENT ***

| | | | | | | | |
|---------------|--|--------|------------------|--------|-------|-----------|------------|
| 0104 15/ 8/81 | | NVFB B | TRANSPONDER | MPL 20 | 50.1N | 109 18.8W | S PLT001MV |
| 1520 15/ 8/81 | | NVFB E | 70GREEN | MPL 20 | 47.8N | 109 15.5W | S PLT001MV |
| 0235 15/ 8/81 | | NVFB B | DROP PLT001MV 71 | MPL 20 | 49.3N | 109 17.8W | S PLT001MV |
| 1300 12/ 9/81 | | NVFB C | RED TRANSPONDER | MPL 08 | 52.0N | 79 27.6W | S PLT001MV |
| 0147 15/08/81 | | NVFB B | DROP PLT001MV 72 | MPL 20 | 48.5N | 109 19.1W | S PLT001MV |
| 1300 12/ 9/81 | | NVFB C | BLUE TRANSPONDER | MPL 08 | 52.0N | 79 27.6W | S PLT001MV |
| 0044 24/ 8/81 | | NVFB B | TRANSPONDER | MPL 15 | 53.3N | 98 50.4W | S PLT001MV |
| 1249 31/ 8/81 | | NVFB E | RED60 | MPL 15 | 51.5N | 98 53.5W | S PLT001MV |
| 0124 24/ 8/81 | | NVFB B | TRANSPONDER | MPL 15 | 51.5N | 98 53.7W | S PLT001MV |
| 1313 31/ 8/81 | | NVFB E | BLUES1 | MPL 15 | 52.2N | 98 54.6W | S PLT001MV |
| 0206 24/ 8/81 | | NVFB B | TRANSPONDER | MPL 15 | 54.2N | 98 54.9W | S PLT001MV |
| 1344 31/ 8/81 | | NVFB E | GREEN | MPL 15 | 53.1N | 98 54.9W | S PLT001MV |
| 0306 24/ 8/81 | | NVFB B | TRANSPONDER | MPL 15 | 54.3N | 98 51.2W | S PLT001MV |
| 1418 31/ 8/81 | | NVFB E | BLUE | MPL 15 | 52.9N | 98 53.4W | S PLT001MV |
| 0350 24/ 8/81 | | NVFB B | TRANSPONDER | MPL 15 | 55.0N | 98 48.5W | S PLT001MV |
| 1506 30/ 8/81 | | NVFB E | GREEN 74 | MPL 15 | 52.9N | 98 49.0W | S PLT001MV |
| 0528 24/ 8/81 | | NVFB B | TRANSPONDER | MPL 15 | 49.7N | 98 50.8W | S PLT001MV |
| 1525 31/ 8/81 | | NVFB E | BLUES3 | MPL 15 | 50.0N | 98 50.4W | S PLT001MV |
| 0632 24/ 8/81 | | NVFB B | TRANSPONDER | MPL 15 | 51.3N | 98 48.3W | S PLT001MV |
| 1540 30/ 8/81 | | NVFB E | RED62 | MPL 15 | 51.9N | 98 48.8W | S PLT001MV |
| 1531 2/ 9/81 | | NVFB B | TRANSPONDER | MPL 12 | 39.8N | 90 55.8W | S PLT001MV |
| 2137 8/ 9/81 | | NVFB E | RED60 | MPL 12 | 39.1N | 90 52.1W | S PLT001MV |
| 1617 2/ 9/81 | | NVFB B | TRANSPONDER | MPL 12 | 43.3N | 90 54.6W | S PLT001MV |
| 2207 8/ 9/81 | | NVFB E | BLUES1 | MPL 12 | 42.1N | 90 52.6W | S PLT001MV |
| 1718 2/ 9/81 | | NVFB B | TRANSPONDER | MPL 12 | 42.6N | 90 55.9W | S PLT001MV |
| 2230 8/ 9/81 | | NVFB E | GREEN 70 | MPL 12 | 41.8N | 90 53.6W | S PLT001MV |

| GMT D /M /Y TIME DATE | LOC LOC TIME TZ | CODE SAMP | SAMPLE IDENT. | CODE DISP | LAT. | LONG. | LEG-SHIP CRUISE |
|--------------------------|--------------------|--------------|---------------------|--------------|-------|----------|--------------------|
| 1844 | 2/ 9/81 | | NV FV B TRANSPONDER | MPL 12 | 36.9N | 90 55.2W | S PLT001MV |
| 2104 | 8/ 9/81 | | NV FV E BLUE53 | MPL 12 | 38.2N | 90 55.5W | S PLT001MV |
| 1937 | 2/ 9/81 | | NV FV B TRANSPONDER | MPL 12 | 36.3N | 90 52.9W | S PLT001MV |
| 2252 | 5/ 9/81 | | NV FV E GREEN74 | MPL 12 | 43.5N | 90 58.3W | S PLT001MV |
| 2025 | 2/ 9/81 | | NV FV B TRANSPONDER | MPL 12 | 38.2N | 90 51.3W | S PLT001MV |
| 2307 | 8/ 9/81 | | NV FV E RED62 | MPL 12 | 39.5N | 90 49.2W | S PLT001MV |
| 2122 | 2/ 9/81 | | NV FV B TRANSPONDER | MPL 12 | 37.1N | 90 49.7W | S PLT001MV |
| 2330 | 8/ 9/81 | | NV FV E BLUE61 | MPL 12 | 37.7N | 90 47.3W | S PLT001MV |
| 9900 | | | END SAMPLE INDEX | | | | PLT001MV |