

EURYDICE EXPEDITION

LEG 6

R/V THOMAS WASHINGTON

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

Surabaya, Indonesia (12 February 1975)

to

Cebu, Philippines (18 February 1975)

Chief Scientist - M. Rottman

Resident Marine Tech - M. Hausman

Post-Cruise Processing by - S. Smith, U. Albright,

G. Psaropulos, R. Lingley

Prepared by

Underway Data Processing Group

S.I.O. Geological Data Center

Scripps Institution of Oceanography

La Jolla, California

March 21, 1975

Preliminary Report and Index of Navigation, Depth, Magnetic and Subbottom Profiler Data

Contents:

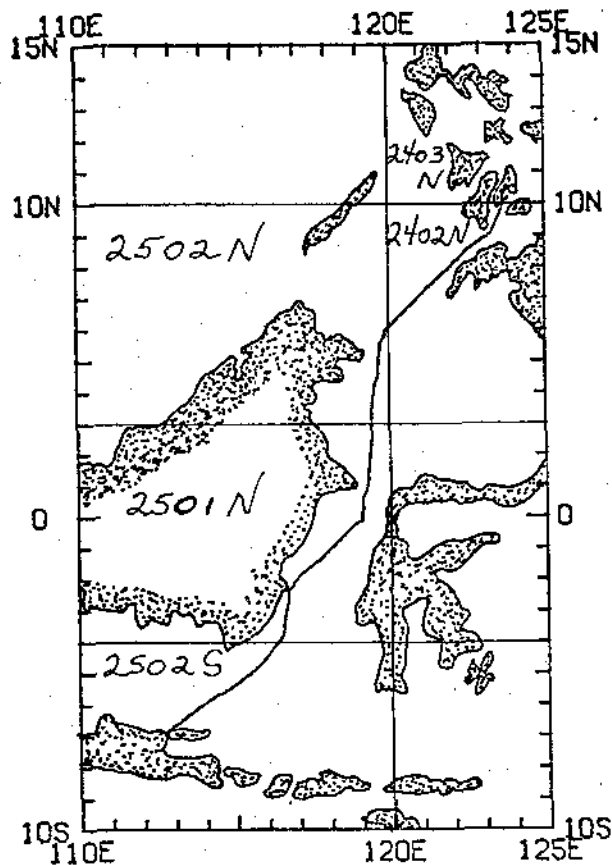
Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).

Track Charts - annotated with dates (day/month) and hour ticks. The scale (.3"/deg. long) is the same as the index charts of previous SIO cruises published as Report IMR TR-25.

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 T. E. Chase, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92037 (452-2182):

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.) at approximately 1 mile spacing, plotted at 4" degree with standard U.S. Navy Oceanographic Office BC series boundaries (see index chart).
 3. Plots of magnetic anomaly profiles along track-map scale = 1.2"/degree; anomaly scale between 15°N and 15°S latitude = 500 gamma/inch; anomaly scale north of 15°N and south of 15°S = 1000 gamma/inch) from values retrieved at approximately 1 mile spacing and regional field removed using the 1965 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
-

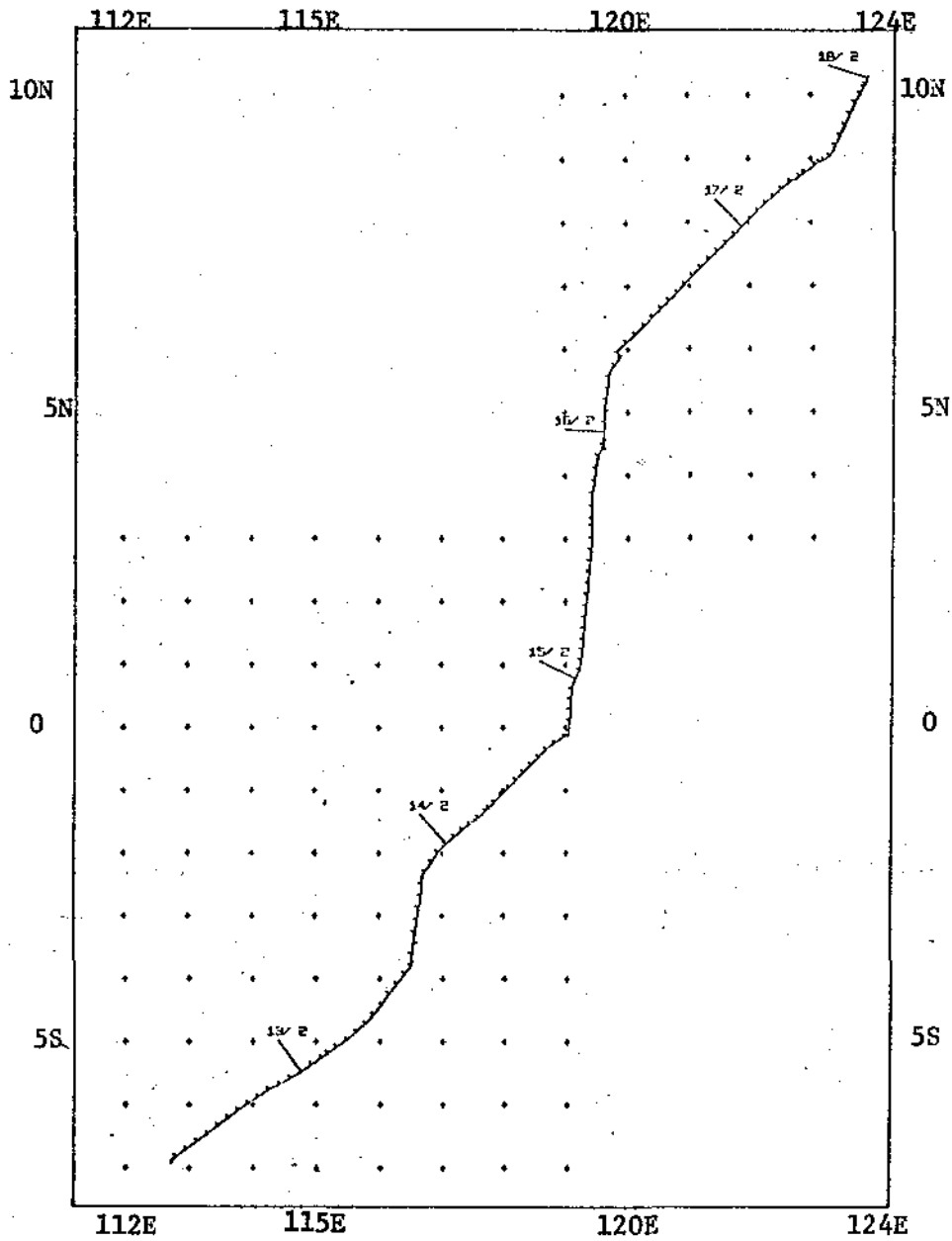


EURYDICE EXPEDITION
LEG 6

Chief Scientist-- M. Rottman
Surabaya, Indonesia - Cebu, Philippines (12 - 18 February 1975)

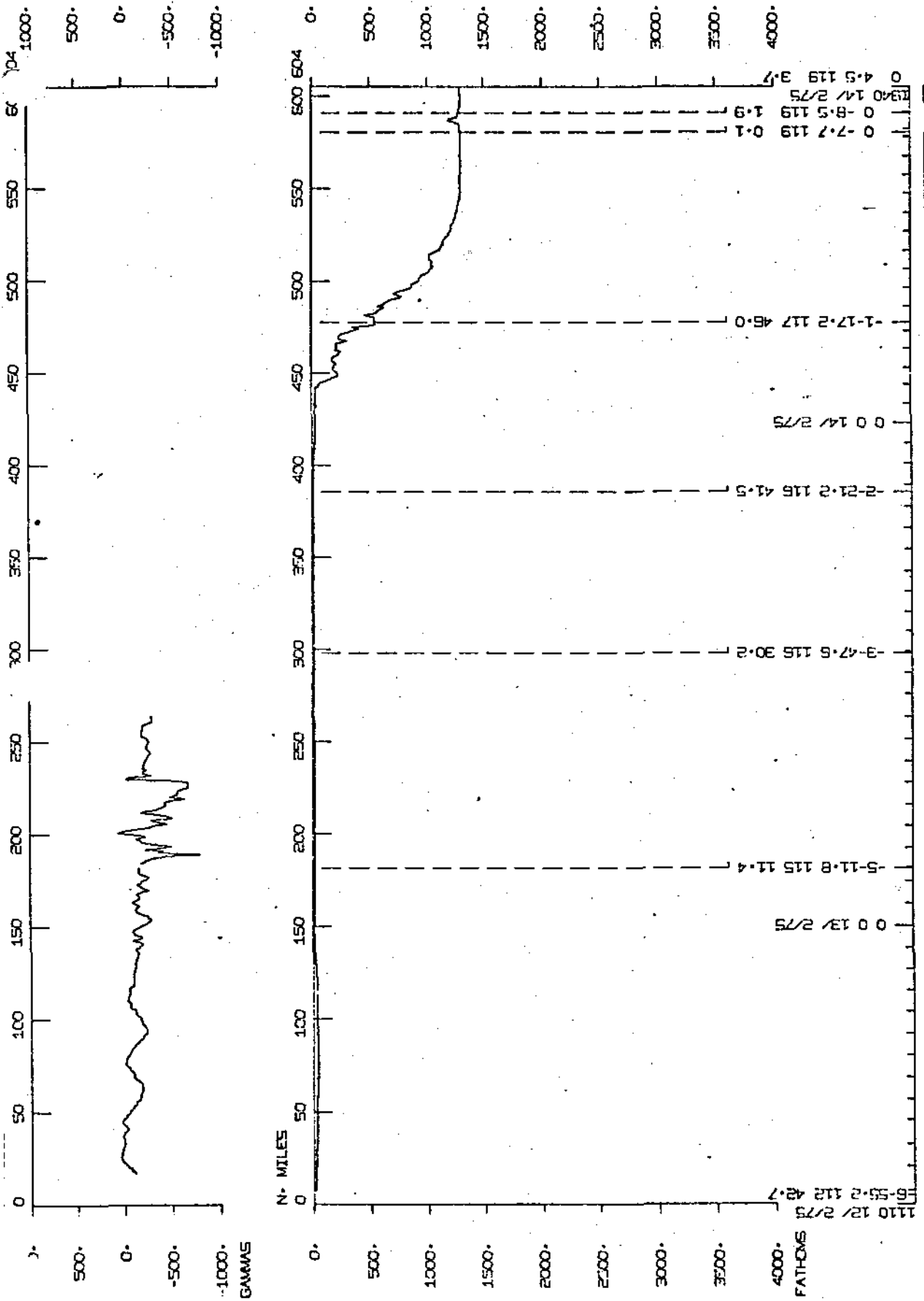
TOTAL MILEAGE

- 1) Cruise - 1344 miles
- 2) Bathymetry - 1332 miles
- 3) Magnetics - 809 miles
- 4) Seismic Reflection - 734 miles

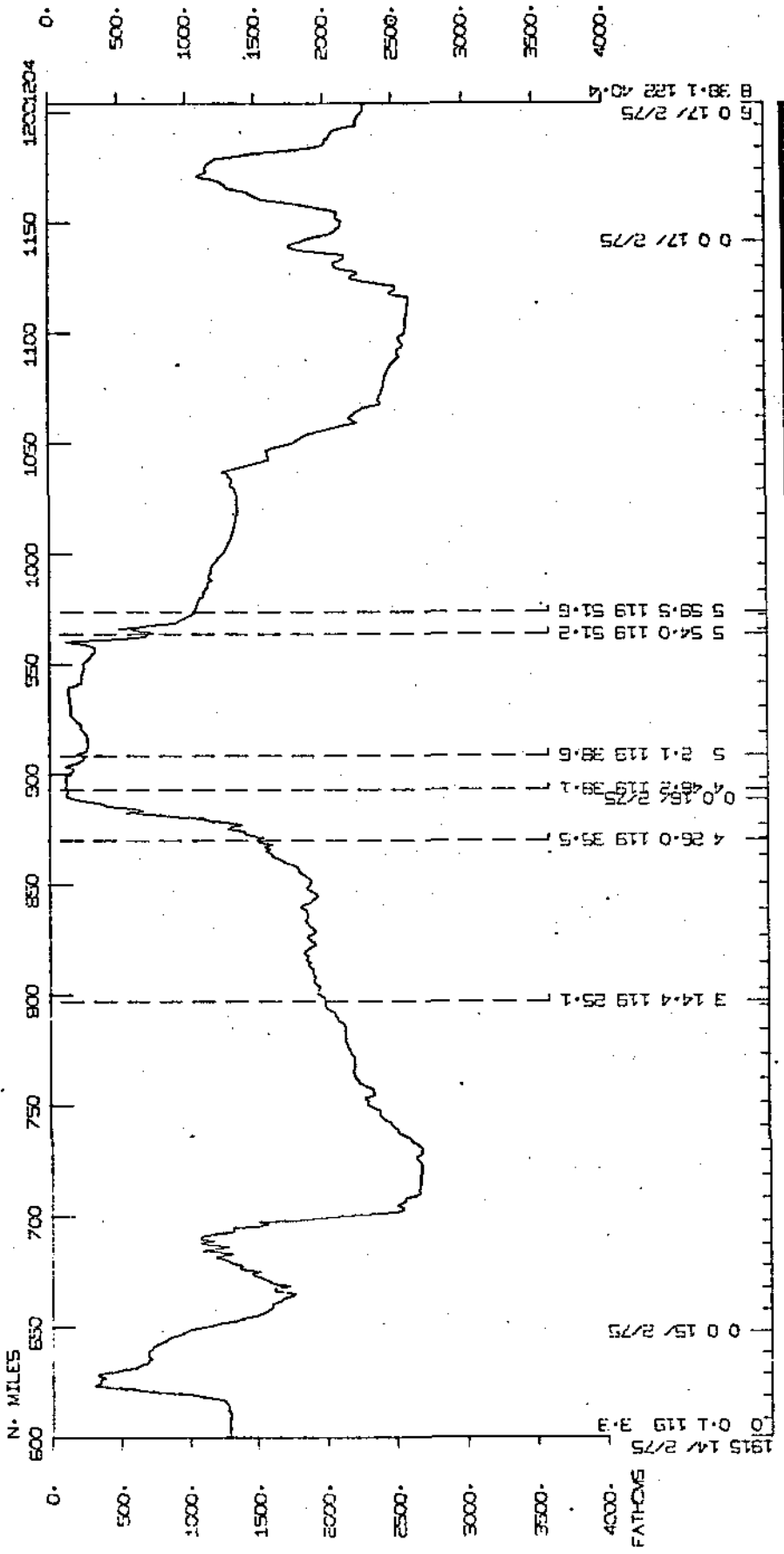
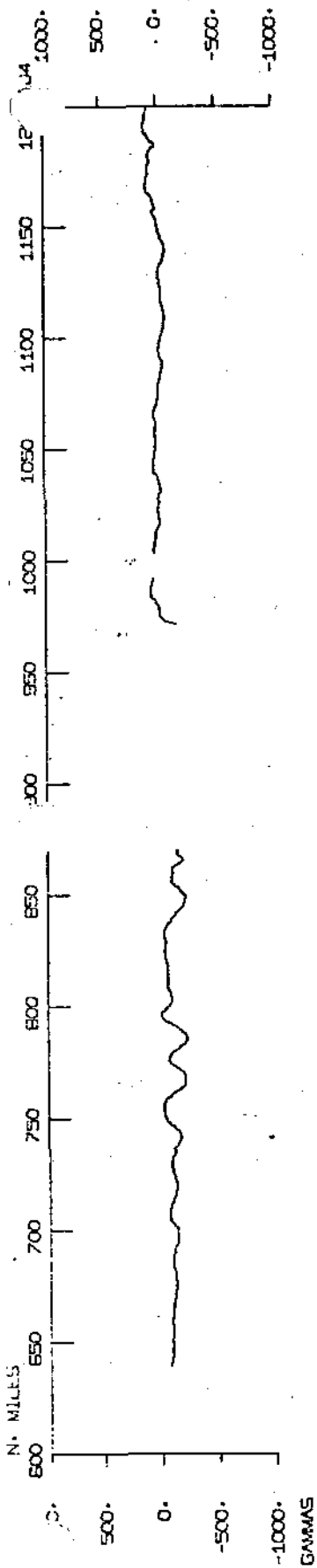


EURYDICE LEG 6 TRACK PLOT

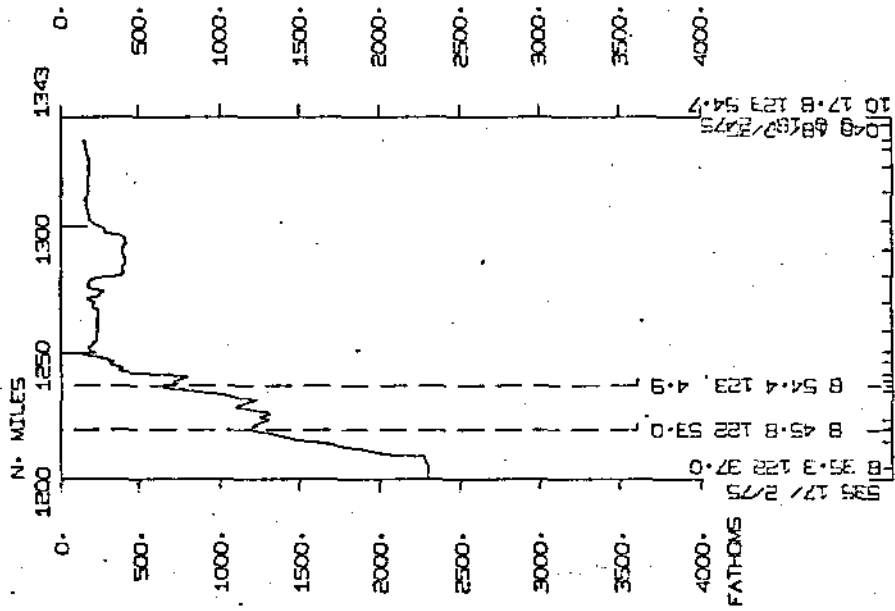
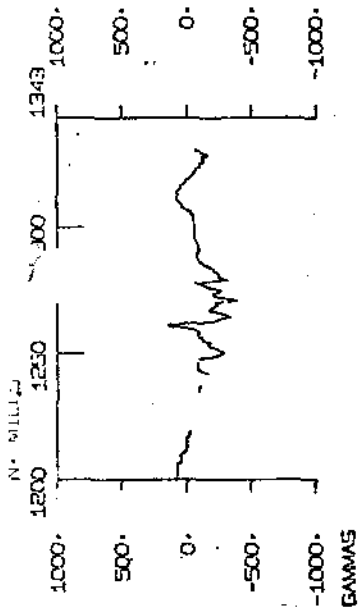
EURYDICE LEG B



EURYDICE LEG 6



EURYOICE LEG B



EURYDICE EXPEDITION LEG 06 SAMPLE DATA INDEX

900 12 275 LG B SURABAYA INDONESIA 6 553S 112 426E S ERDC06WT
 0 18 275 LG E CEBU PHILIPPINES 10 160N 123 530E S ERDC06WT

PERSONNEL

PECS	M. ROTTMAN	COO	ERDC06WT
PERT	M. HAUSMAN	MTG	ERDC06WT
PECT	L. ABBOTT	MTG	ERDC06WT
PEAT	P. CRAMPTON	MTG	ERDC06WT

*** NOTE *** TIME ZONES AND MINUTES OF LATITUDE AND LONGITUDE ARE LISTED
 IN TENTHS (E.G. 10.6 IS LISTED AS 106)

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

UNDERWAY DATA - CURATOR T.E. CHASE 2ND FLOOR AQUARIUM (EXT.1534)

*** NAVIGATION PLOTS ***

1100	12	275		NVBP B BRIDGE PLOT 6-01	GDC	6 553S	112 426E	S ERDC06WT
1630	13	275		NVBP E BRIDGE PLOT 6-01	GDC	3 90S	116 354E	S ERDC06WT
1630	13	275		NVBP B BRIDGE PLOT 6-02	GDC	3 90S	116 354E	S ERDC06WT
1638	15	275		NVBP E BRIDGE PLOT 6-02	GDC	3 396N	119 261E	S ERDC06WT
1638	15	275		NVBP B BRIDGE PLOT 6-03	GDC	3 396N	119 261E	S ERDC06WT
2345	17	275		NVBP E BRIDGE PLOT 6-03	GDC	10 141N	123 530E	S ERDC06WT
945	12	275		NVCP B COMPUTER PLOT 6-01	GDC	6 553S	112 426E	S ERDC06WT
1115	14	275		NVCP E COMPUTER PLOT 6-01	GDC	0 408S	118 220E	S ERDC06WT
1145	14	275		NVCP B COMPUTER PLOT 6-02	GDC	0 373S	118 255E	S ERDC06WT
1030	16	275		NVCP E COMPUTER PLOT 6-02	GDC	6 101N	120 30E	S ERDC06WT
1045	16	275		NVCP B COMPUTER PLOT 6-03	GDC	6 121N	120 51E	S ERDC06WT
30	18	275		NVCP E COMPUTER PLOT 6-03	GDC	10 177N	123 546E	S ERDC06WT

*** MAGNETOMETER ***

1230	12	275		MGR B MAGNETICS ROLL 6-01	GDC	6 456S	112 525E	S ERDC06WT
2156	17	275		MGR E MAGNETICS ROLL 6-01	GDC	10 74N	123 498E	S ERDC06WT

*** FATHOMGRANS ***

1210	12	275		DPR3 B 3.5KHZ GDR ROLL 6-01	GDC	6 481S	112 489E	S ERDC06WT
145	15	275		DPR3 E 3.5KHZ GDR ROLL 6-01	GDC	1 33N	119 147E	S ERDC06WT
147	15	275		DPR3 B 3.5KHZ GDR ROLL 6-02	GDC	1 36N	119 147E	S ERDC06WT
2300	17	275		DPR3 E 3.5KHZ GDR ROLL 6-02	GDC	10 106N	123 515E	S ERDC06WT

*** SEISMIC REFLECTION PROFILES ***

230	14	275		SPRS B AIRGUN ROLL 6-01	GDC	1 357S	117 230E	S ERDC06WT
2204	17	275		SPRS E AIRGUN ROLL 6-01	GDC	10 78N	123 500E	S ERDC06WT

*** SONOBOUY DROP *** SEISMIC REFRACTION MONITORING

1351	14	275		SPWA B SONOBOUY RUN 6-01	GDC	0 218S	118 405E	S ERDC06WT
1504	14	275		SPWA E SONOBOUY RUN 6-01	GDC	0 142S	118 501E	S ERDC06WT
1515	14	275		SPWA B SONOBOUY RUN 6-02	GDC	0 131S	118 517E	S ERDC06WT
1609	14	275		SPWA E SONOBOUY RUN 6-02	GDC	0 80S	118 597E	S ERDC06WT

TIME GMT	DATE D.M.Y.	TIME LDC	TZ LDC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
-------------	----------------	-------------	-----------	--------------	---------------	--------------	------	-------	--------------------

GRAVIMETRIC RECORDS CURATOR L.M. DURMAN (EXT.2406)

1040	12	275		GVR	B GRAVIMETER ROLL 6-01	LMD	6 553S	112 426E	S ERDC06WT
1200	16	275		GVR	E GRAVIMETER ROLL 6-01	LMD	6 221N	120 158E	S ERDC06WT
1300	16	275		GVR	B GRAVIMETER ROLL 6-02	LMD	6 299N	120 239E	S ERDC06WT
0	18	275		GVR	E GRAVIMETER ROLL 6-02	LMD	10 160N	123 530E	S ERDC06WT

GEOLOGICAL SAMPLES - CURATOR W.R. RIFDEL (EXT.1579)

GRAB SAMPLES

257	13	275		GB	GRAB SAMPLE NO. 13	GCR	5 115S	115 110E	S ERDC06WT
545	14	275		GB	GRAB SAMPLE NO. 14	GCR	1 172S	117 459E	S ERDC06WT
2136	15	275		GB	GRAB SAMPLE NO. 15	GCR	4 256N	119 352E	S ERDC06WT
25	16	275		GB	GRAB 16 NO SAMPLE	GCR	4 462N	119 381E	S ERDC06WT
154	16	275		GB	GRAB SAMPLE NO. 17	GCR	5 20N	119 387E	S ERDC06WT
750	16	275		GB	GRAB SAMPLE NO. 18	GCR	5 529N	119 509E	S ERDC06WT
759	17	275		GB	GRAB SAMPLE NO. 19	GCR	8 459N	122 528E	S ERDC06WT
1039	17	275		GB	GRAB 20 NO SAMPLE	GCR	8 537N	123 41E	S ERDC06WT
1238	17	275		GB	GRAB SAMPLE NO. 21	GCR	8 561N	123 70E	S ERDC06WT

INVERTEBRATE BIOLOGY-CURATOR ABRAHAM FLEMINGER (EXT. 2071)

OPEN NET

240	13	275		UNIN	B OPEN NET NO. 6-01	MIC	5 116S	115 113E	S ERDC06WT
250	13	275		UNIN	E OPEN NET NO. 6-01	MIC	5 115S	115 111E	S ERDC06WT
1616	14	275		UNIN	B OPEN NET NO. 6-02	MIC	0 77S	119 1E	S ERDC06WT
1647	14	275		UNIN	E OPEN NET NO. 6-02	MIC	0 83S	118 599E	S ERDC06WT
608	15	275		UNIN	B OPEN NET NO. 6-03	MIC	1 475N	119 184E	S ERDC06WT
1638	15	275		UNIN	E OPEN NET NO. 6-03	MIC	3 396N	119 261E	S ERDC06WT
1252	17	275		UNIN	B OPEN NET NO. 6-04	MIC	8 561N	123 70E	S ERDC06WT
1317	17	275		UNIN	E OPEN NET NO. 6-04	MIC	8 563N	123 76E	S ERDC06WT

BATHYTHERMOGRAPHS-CURATORIAL GROUP (EXT.3775)

*** BATHYTHERMOGRAPH ***

0	14	275		BTX	NO. SAMPLES = 2	GTG	1 512S	117 43E	S ERDC06WT
0	15	275		BTX	NO. SAMPLES = 4	GTG	0 471N	119 93E	S ERDC06WT
0	16	275		BTX	NO. SAMPLES = 2	GTG	4 422N	119 379E	S ERDC06WT
0	17	275		BTX	NO. SAMPLES = 1	GTG	7 555N	121 538E	S ERDC06WT