

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

(Issued November 1984)

PROTEA EXPEDITION

LEG 8

Valparaiso, Chile (10 April 1984) ~~2~~
to
Manzanillo, Mexico (23 April 1984)

R/V Melville

Chief Scientist - E. G. Pillard

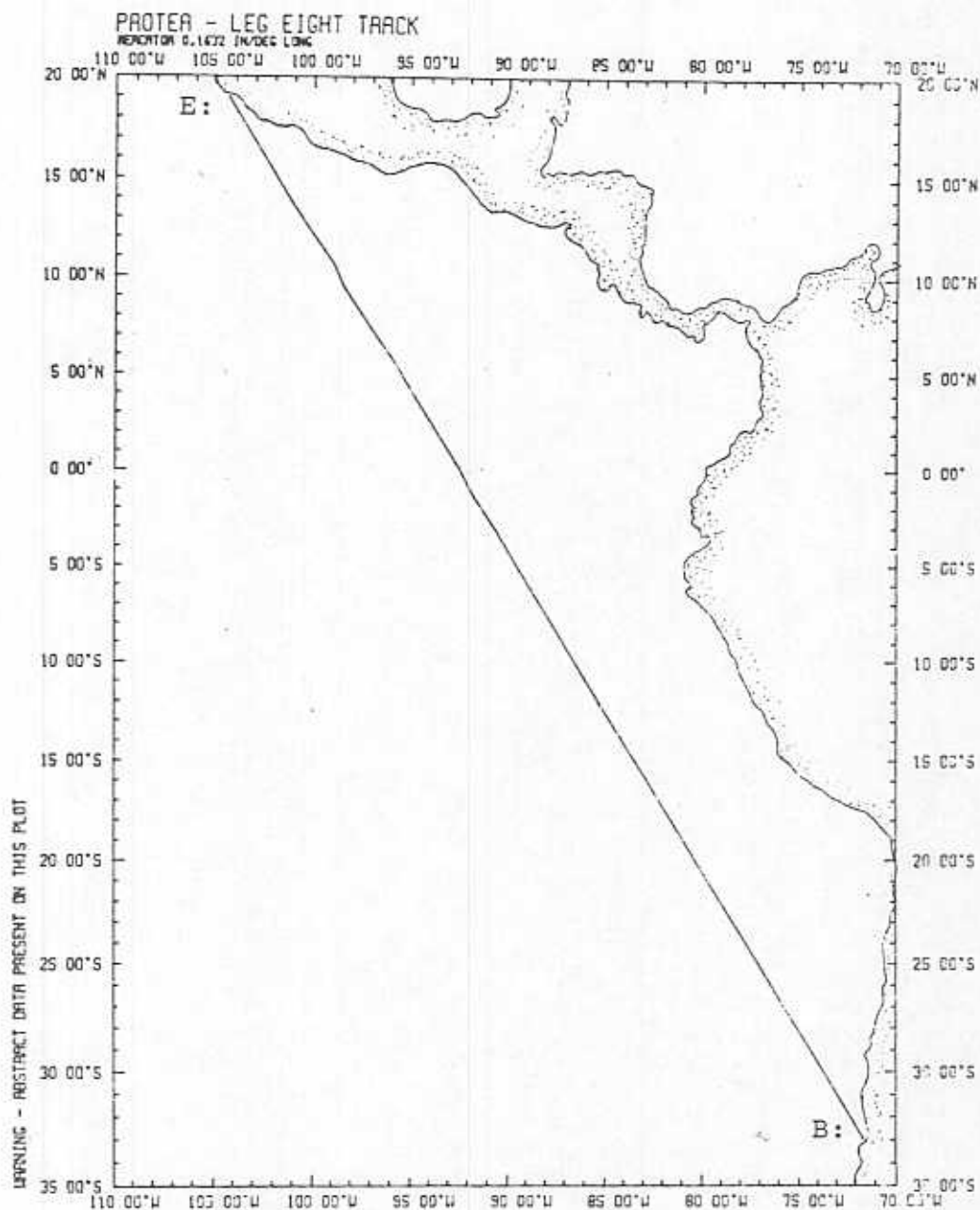
Resident Marine Tech - E. G. Pillard

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

Data Collection Funded by NSF
Grant Number NSF OCE83-17741
Data Processing Funded by SIA 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.# 212



PROTEA EXPEDITION
 LEG 8

CHIEF SCIENTIST: E. G. Pillard
 PORTS: Valparaiso, Chile - Manzanillo, Mexico
 DATES: 10 April - 23 April 1984
 SHIP: R/V Melville

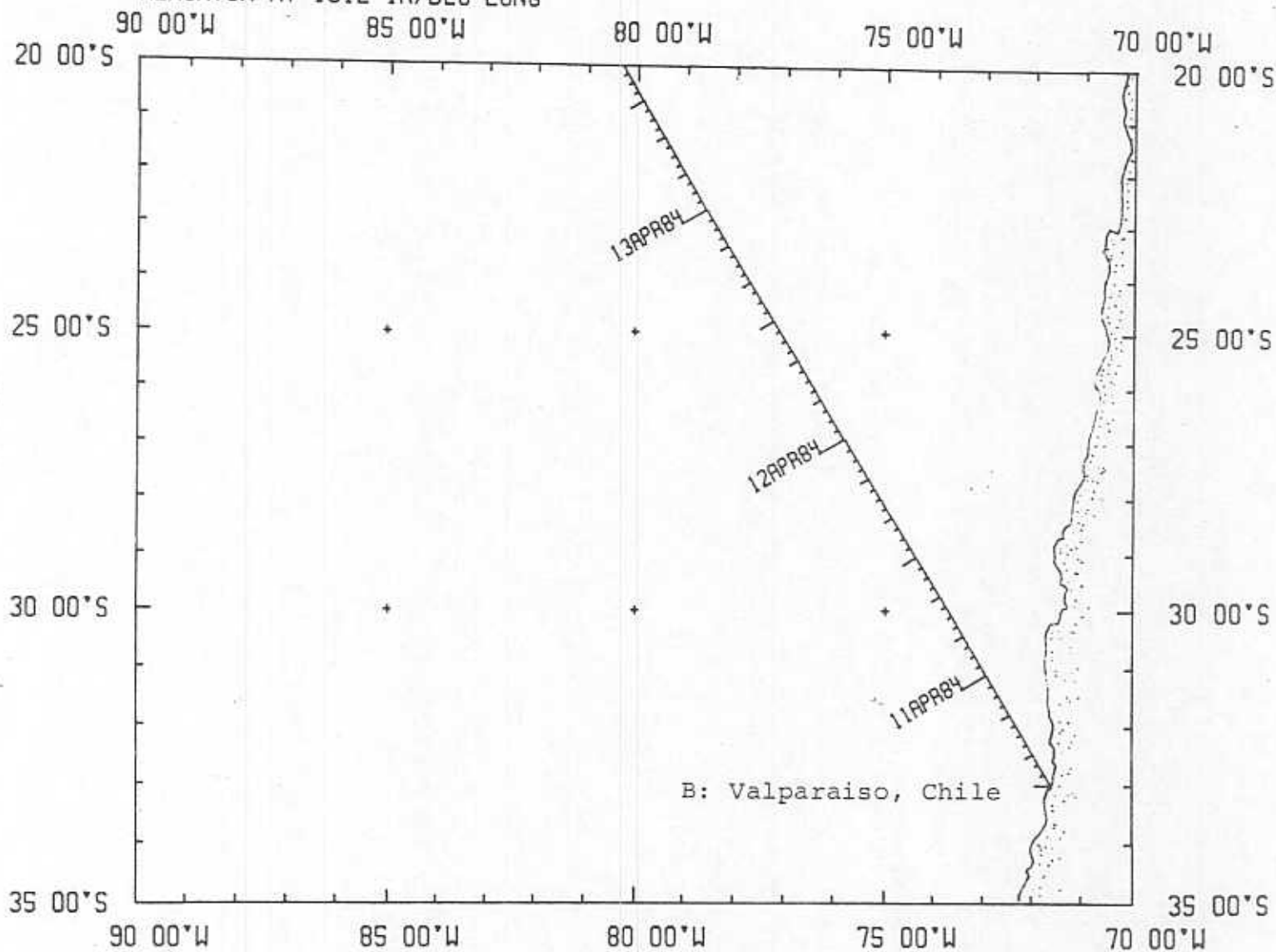
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 3661 miles
- 2) Bathymetry - collected but not processed
- 3) Magnetics - collected but not processed
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected
- 6) SeaBeam - (on R/V Thomas Washington only)

PROTO8MV

TRACK PLOT 1 OF 3

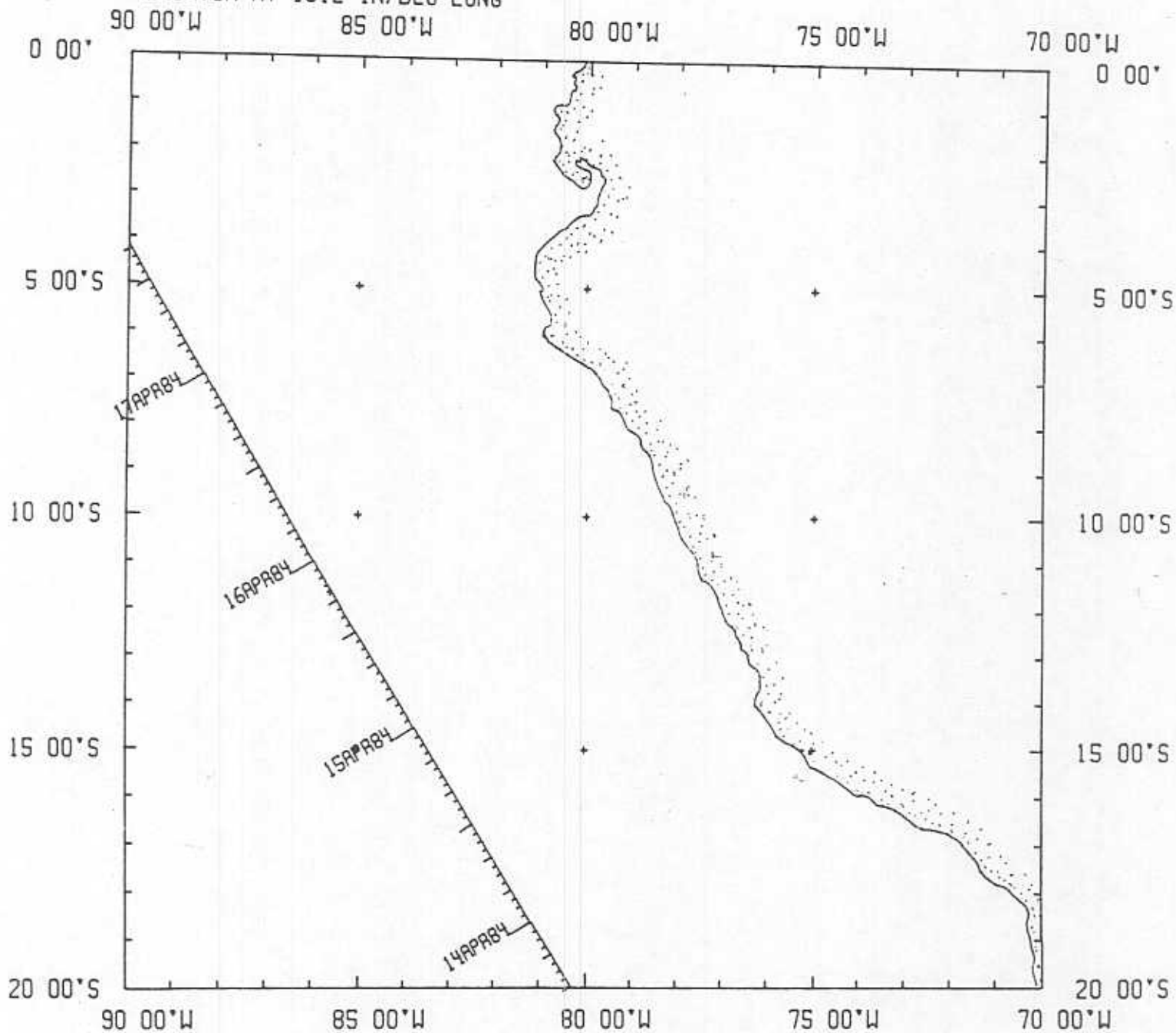
MERCATOR AT .312 IN/DEG LONG



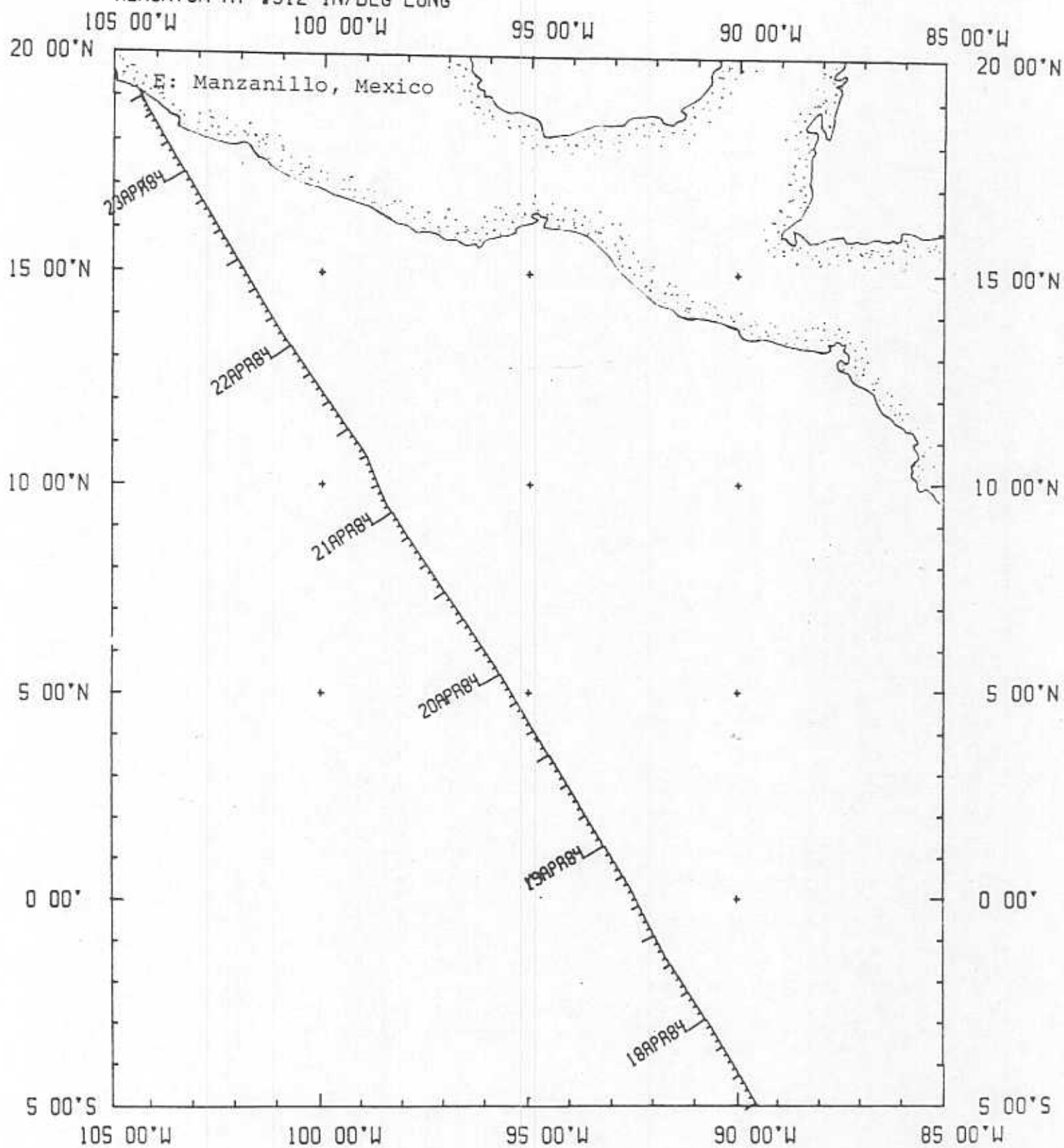
PROT08MV

TRACK PLOT 2 OF 3

MERCATOR AT .312 IN/DEG LONG



PROT08MV
TRACK PLOT 3 OF 3
MERCATOR AT .312 IN/DEG LONG



S.I.O. SAMPLE INDEX
(Issued November 1984)

PROTEA EXPEDITION

Leg 8

Valparaiso, Chile (10 April 1984)
to
Manzanillo, Mexico (23 April 1984)
R/V Melville

Chief Scientist - E. G. Pillard

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 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.)

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GMT TIME	DDMMYY DATE	SAMP CODE	SAMPLE IDENTIFIER	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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***UNDERWAY DATA CURATOR - S. M. SMITH EXT.2752

FATHOGRAMS

1237	104084	DPRT B	12 KHZ GDR R-01	GDC 33	01.15	71 37.2W	PROTO8MV
1328	130484	DPRT E	12 KHZ GDR R-01	GDC 20	24.3S	80 06.0W	PROTO8MV
2029	220484	DPRT B	12 KHZ GDR R-02	GDC 16	42.2N	102 55.8W	PROTO8MV
1300	230484	DPRT E	12 KHZ GDR R-02	GDC 19	04.0N	104 20.2W	PROTO8MV

1334	130484	DPR3 B	3.5 KHZ GDR R-01	GDC 20	23.3S	80 08.0W	PROTO8MV
0231	220484	DPR3 E	3.5 KHZ GDR R-01	GDC 13	41.1N	101 03.3W	PROTO8MV

MAGNETICS

1936	110484	MGRA B	MAGNETICS R-01	GDC 27	38.0S	75 22.3W	PROTO8MV
1528	170484	MGRA E	MAGNETICS R-01	GDC 4	24.1S	89 53.3W	PROTO8MV
1536	170484	MGRA B	MAGNETICS R-02	GDC 4	23.0S	89 54.0W	PROTO8MV
0231	220484	MGRA E	MAGNETICS R-02	GDC 13	41.4N	101 03.3W	PROTO8MV

END SAMPLE INDEX

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PORTS

1220 100484	LGPT B VALPARAISO, CHILE	33 02 S 71 37 W	PROTO8MV
1300 230484	LGPT E MANZANILLO, MEXICO	19 03 N 104 20 W	PROTO8MV

PERSONNEL

	NAME	***TITLE***	***AFFILIATION***	**GRID**
PERT MTG	PILLARD, E.G.	RESIDENT TECH	SCRIPPS INST.OF OCEAN.	PROTO8MV
PECT SIO	STUBER, D.	COMPUTER TECH	SCRIPPS INST.OF OCEAN.	PROTO8MV

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.