

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

(Issued November 1984)

PROTEA EXPEDITION

LEG 7

Punta Arenas, Chile (01 April 1984)
to
Valparaiso, Chile (05 April 1984)

R/V Melville

Chief Scientist - R. E. Lange

Resident Marine Tech - E. G. Pillard

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

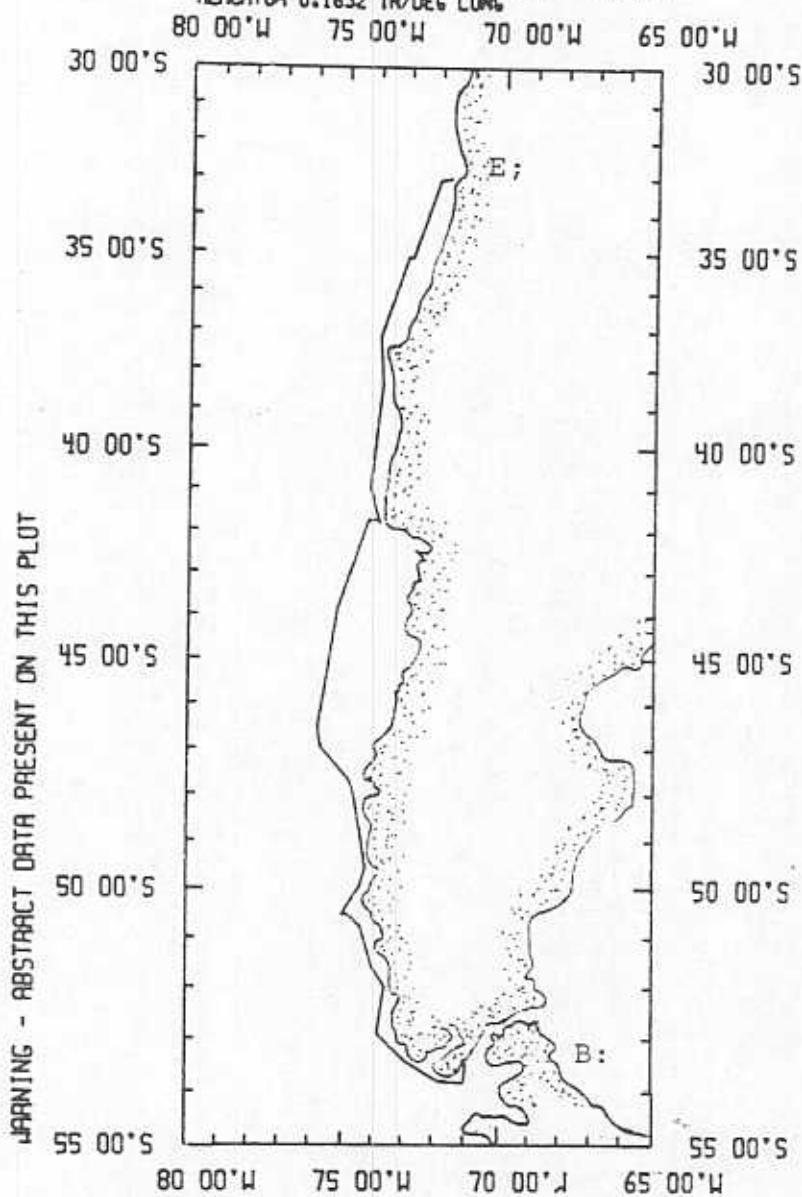
Data Collection Funded by NSF
Grant Number NSF OCE83-17741
Data Processing Funded by SIA and NSF

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 - LEG SEVEN TRACK

MERCATOR 0.1632 IN/DEG LONG



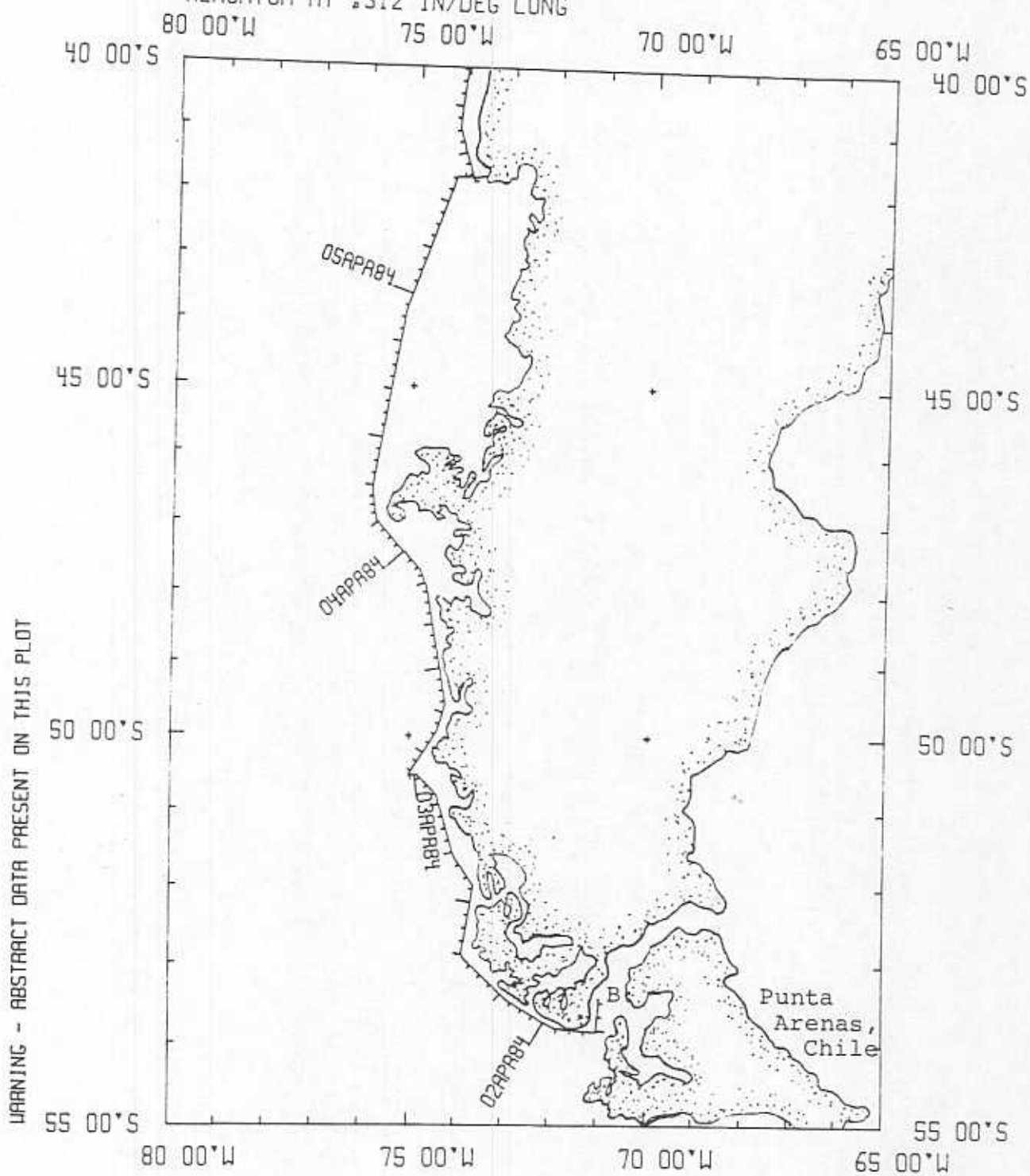
PROTEA EXPEDITION LEG 7

CHIEF SCIENTIST: R. E. Lange
PORTS: Punta Arenas, Chile - Valparaiso, Chile
DATES: 01 April - 05 April 1984
SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 1485 miles
- 2) Bathymetry - collected but not processed
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected
- 6) SeaBeam - (on R/V Thomas Washington only)

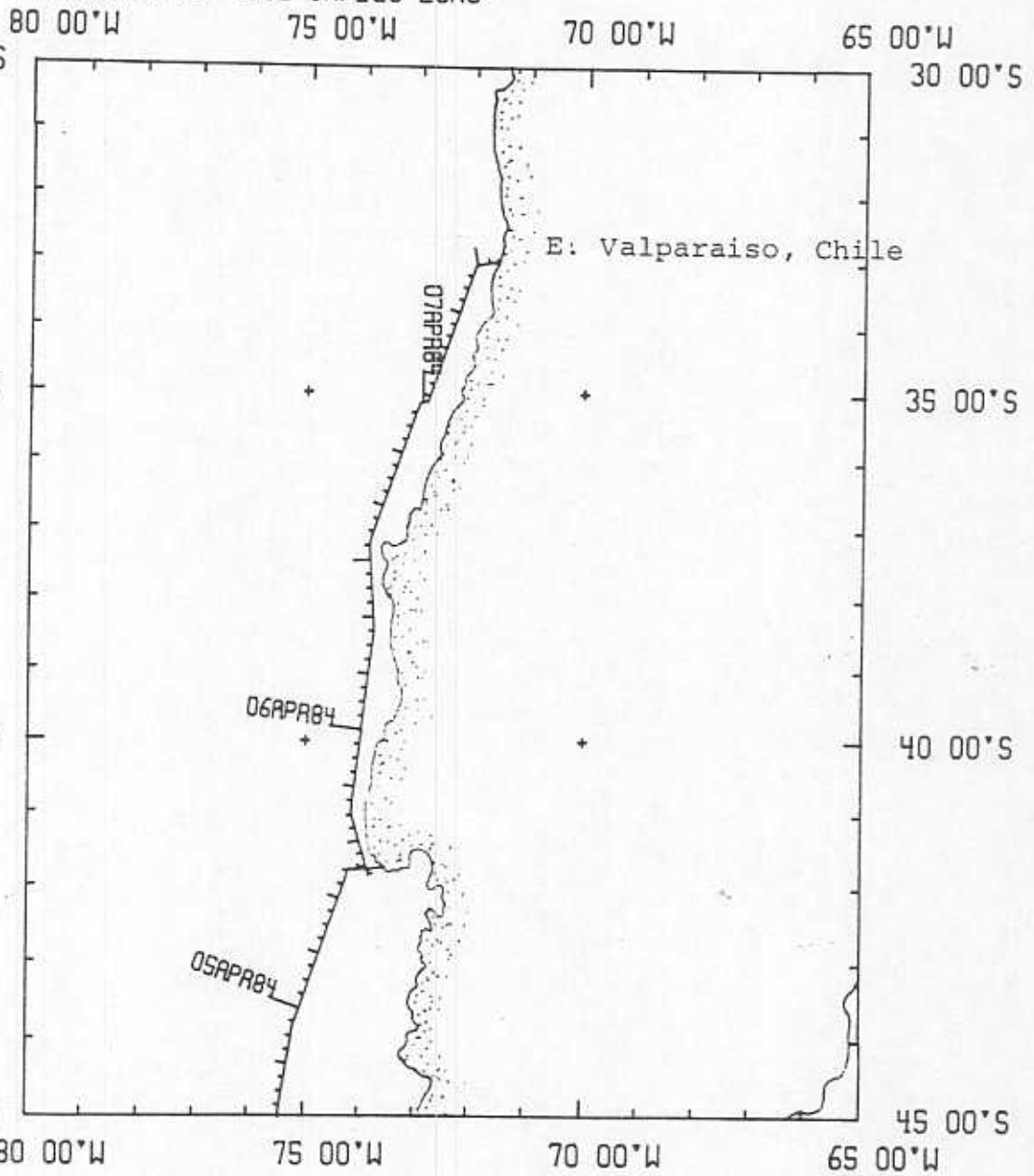
PROTO7MV
TRACK PLOT 1 OF 2
MERCATOR AT .312 IN/DEG LONG



PROTO7MV

TRACK PLOT 2 OF 2

MERCATOR AT .312 IN/DEG LONG



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

PROTEA EXPEDITION

Leg 7

Punta Arenas, Chile (01 April 1984)
to
Valparaiso, Chile (05 April 1984)
R/V Melville

Chief Scientist - R. E. Lange

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.)

PORTS

1640	010484	LGPT B PUNTA ARENAS, CHILE	53 10 S	70 54 W	PROTO7MV
1402	050484	LGPT E VALPARAISO, CHILE	33 02 S	71 37 W	PROTO7MV
1227	050484	LGUS B BA DE ANCUD, CHILE	41 52 S	73 50 W	PROTO7MV
1302	050484	LGUS E BA DE ANCUD, CHILE	41 52 S	73 50 W	PROTO7MV

PERSONNEL

	NAME	***TITLE***	***AFFILIATION***	**CRID**
PECS ORD	LANGE, R.E.	CHIEF SCIENTIST	SCRIPPS INST.OF OCEAN.	PROTO7MV
PERT MTG	PILLARD, E.G.	RESIDENT TECH	SCRIPPS INST.OF OCEAN.	PROTO7MV
PESP CHL	ANTEZANA, T.J.	PROFESSOR	CHILE	PROTO7MV
PEST CHL	ANTEZANA, K.R.	STUDENT	CHILE	PROTO7MV
PESP MLR	BRINTON, E.	RES. BIOLOGIST	SCRIPPS INST.OF OCEAN.	PROTO7MV
PESP CAN	DELISLE, G.	PROFESSOR	CANADA	PROTO7MV
PESP MLR	HEWES, C.D.	RESEARCH ASSO.	SCRIPPS INST.OF OCEAN.	PROTO7MV
PESP SIX	JERDE, C.	MUSEUM SCIENTIST	SCRIPPS NON-EMPLOYEE	PROTO7MV
PEVL SIX	LANGE, E.D.	VOLUNTEER	SCRIPPS NON-EMPLOYEE	PROTO7MV
PEST UWA	METHISEN, H.	STUDENT	UNIV. OF WASHINGTON	PROTO7MV
PECT SIO	STUBER, D.	COMPUTER TECH	SCRIPPS INST.OF OCEAN.	PROTO7MV
PESP SIO	WHEELLOCK, G.R.	MEDICAL DOCTOR	U. OF CAL. SAN DIEGO	PROTO7MV
PEVL SIX	WHEELLOCK, M.	VOLUNTEER	SCRIPPS NON-EMPLOYEE	PROTO7MV
PESP URI	WISHNER, K.	PROFESSOR	UNIV. OF RHODE ISLAND	PROTO7MV

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.

GHT 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

1640	010484	DPRT B 12	KHZ GDR R-01	GDC 53	25.6S	70 55.5W	PROTO7MV
1402	070484	DPRT E 12	KHZ GDR R-01	GDC 33	02.3S	71 36.8W	PROTO7MV

OPEN NETS

2140	020484	ONBG B 505	MESH 01 250M	ORD 50	40.5S	74 38.8W	PROTO7MV
2212	020484	ONBG E 505	OBLIQUE 01 250M	CHL 50	39.7S	73 38.7W	PROTO7MV
2328	020484	ONBG B 505	MESH 02 250M	ORD 50	30.5S	74 50.3W	PROTO7MV
2352	020484	ONBG E 505	OBLIQUE 02 250M	CHL 50	29.7S	74 50.8W	PROTO7MV
0057	030484	ONBG B 505	MESH 03 250M	ORD 50	30.6S	75 00.0W	PROTO7MV
0122	030484	ONBG E 505	OBLIQUE 03 250M	CHL 50	31.7S	75 01.0W	PROTO7MV
0226	030484	ONBG B 505	MESH 04 250M	ORD 50	23.7S	74 50.4W	PROTO7MV
0254	030484	ONBG E 505	OBLIQUE 04 250M	CHL 50	22.7S	74 50.3W	PROTO7MV

BATHYTHERMOGRAMS

2145	020484	BTXP	XBT-01 T-11	ORD 50	40.4S	74 38.5W	PROTO7MV
2205	020484	BTXP	XBT-02 T-11	ORD 50	39.9S	74 38.7W	PROTO7MV
2218	020484	BTXP	XBT-03 T-11	ORD 50	39.5S	74 38.7W	PROTO7MV
2300	020484	BTXP	XBT-04 T-11	ORD 50	35.5S	74 44.9W	PROTO7MV
0040	030484	BTXP	XBT-05 T-11	ORD 50	30.2S	74 57.9W	PROTO7MV
0120	030484	BTXP	XBT-05 T-11	ORD 50	31.0S	75 00.8W	PROTO7MV
0240	030484	BTXP	XBT-06 T-11	ORD 50	23.1S	74 50.2W	PROTO7MV

END SAMPLE INDEX