

INFORMAL REPORT AND INDEX OF
NAVIGATION AND DEPTH DATA
(ISSUED APRIL 1981)

VULCAN EXPEDITION

LEG 3
Antofagasta, Chile (5 November 1980)
to
Valparaiso, Chile (10 November 1980)
Chief Scientist - L. D. Kulm (OSU)
Resident Marine Tech - W. E. Keith

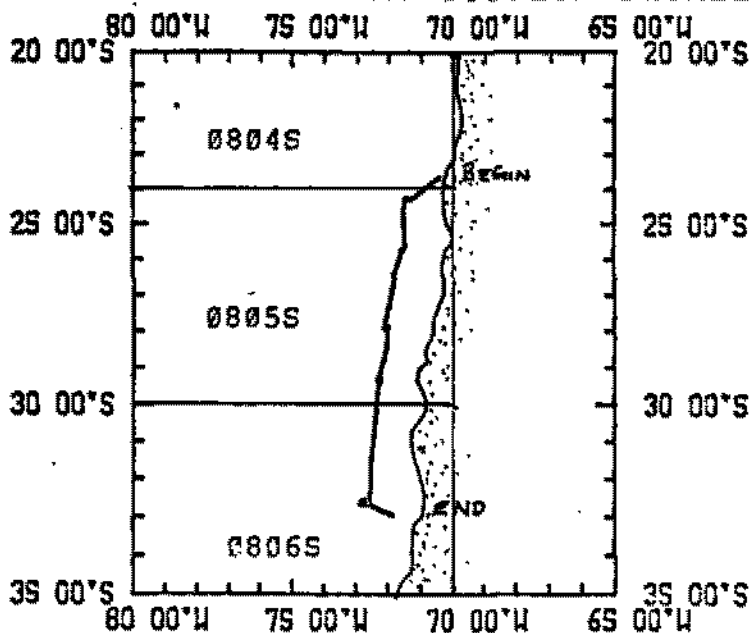
R/V Melville

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

Data Collection Funded by NSF
Grant Number OCE77-23258
Data Processing Funded by SIA

VLCNO3MV

TRACK PLOT AT .1632IN/DEGREE



VULCAN EXPEDITION
LEG 3

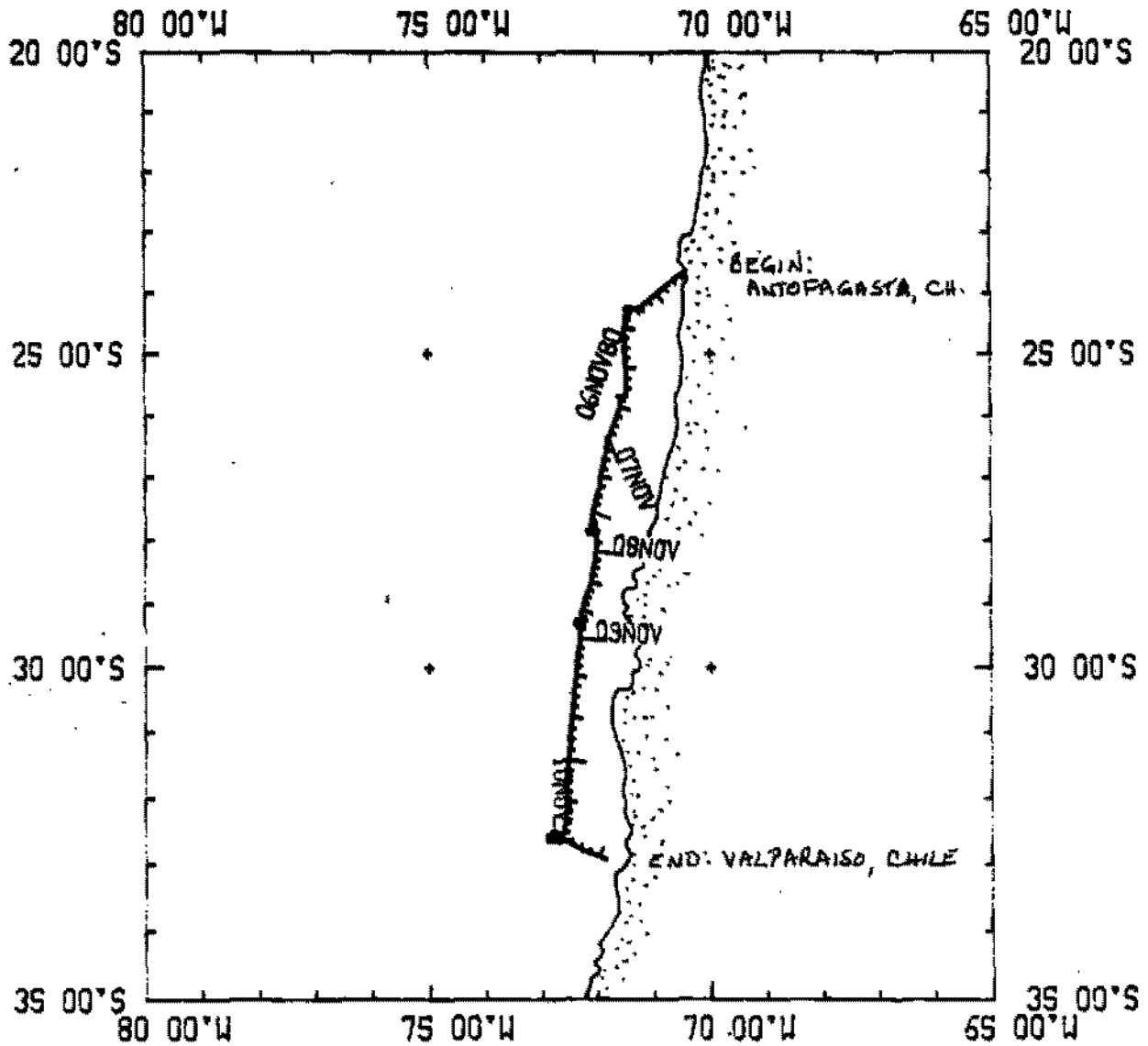
Chief Scientist: L. D. Kulm (OSU)
Ports: Antofagasta, Chile to Valparaiso, Chile
Dates: 5-10 November 1980
Ship: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

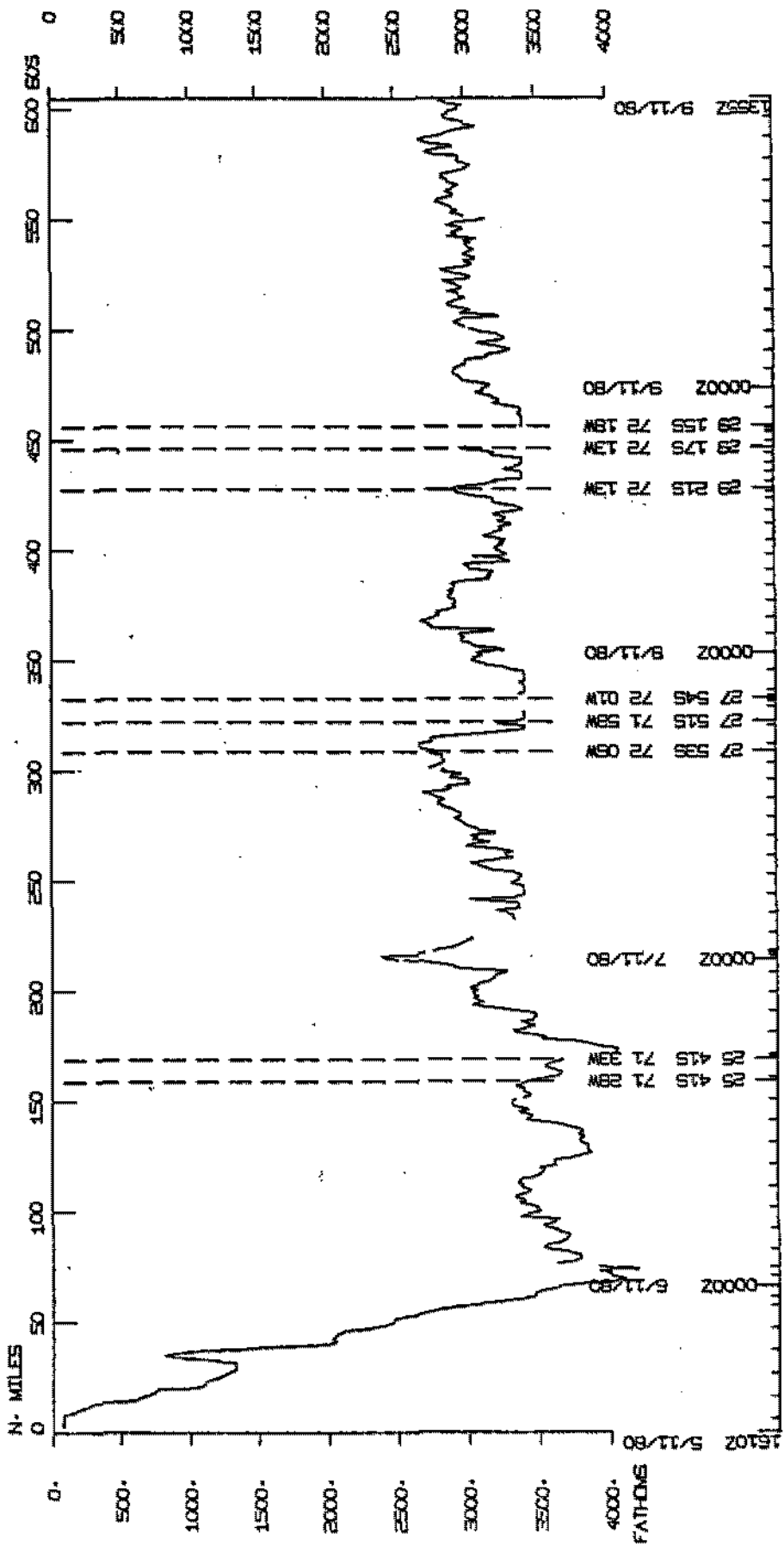
- 1) Cruise - 755 miles
- 2) Bathymetry - 730 miles (processed by GDC, SIO)
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected

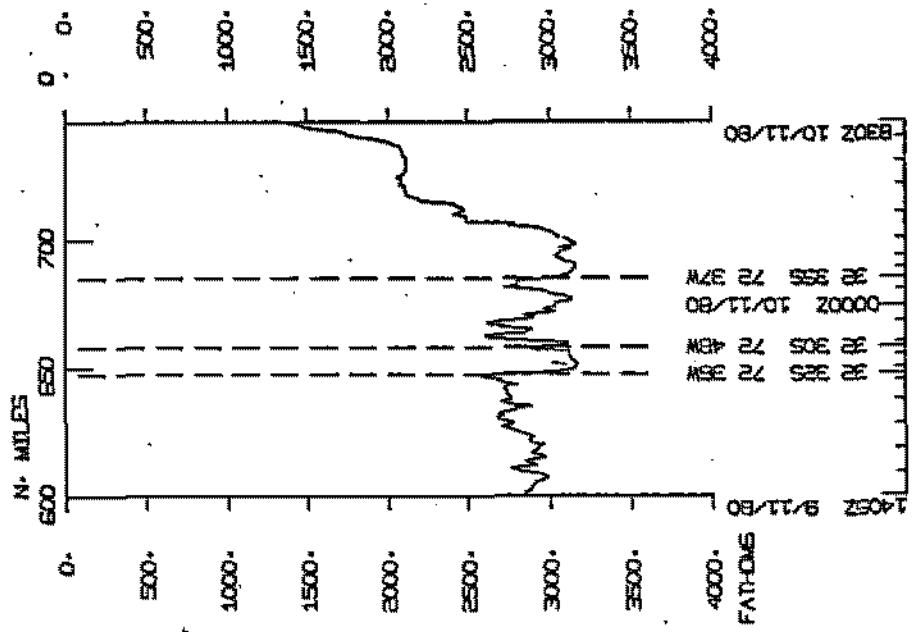
VLCN03MV

TRACK PLOT AT .312IN/DEGREE



VLONOBMV





VLONOBMV

NUMBER OF SAMPLES OF CLASS 'TYPE' GOING TO DESTINATION 'DISP'

DISP	TYPE			TOTAL
	CO	DP	PE	
CHL	I		6	I 6
MTG	I		2	I 2
OSU	I	6	1	11 I 18
TOTAL	I	6	1	19 I 26

SAMPLE 'TYPE' CODES USED ABOVE

CO = CORE
 DP = DEPTH
 PE = PERSONNEL IN SCIENTIFIC PARTY

SAMPLE 'DISP' CODES USED ABOVE

CHL = CHILE
 MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
 OSU = OREGON STATE UNIVERSITY

D / M / Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
VULCAN LEG 03 SAMPLE INDEX								VLCN03MV

PORTS ***

5/11/80			LGPT B	ANTOFAGASTA, CHILE		23 38. S	70 25. W	F VLCN03MV
10/11/80			LGPT E	VALPARAISO, CHILE		33 02. S	71 37. W	F VLCN03MV

PERSONNEL***

NAME ***	TITLE ***	AFFILIATION ***
ULM, L.D.	PROFESSOR	OREGON STATE UNIVERSITY
EITH, W.E.	RESIDENT TECH.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
TUBER, D.V.	COMPUTER TECH.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
ATTEY, R.	RESEARCH ASST.	OREGON STATE UNIVERSITY
LAUSON, H.L.	RESEARCH ASST.	OREGON STATE UNIVERSITY
EVRIES, T.J.	STUDENT	OREGON STATE UNIVERSITY
LEISCHBEIN, J.H.	OCEAN TECH.	OREGON STATE UNIVERSITY
OWER, M.E.	OCEAN TECH.	OREGON STATE UNIVERSITY
DHNSTON, S.A.	OCEAN TECH.	OREGON STATE UNIVERSITY
ALK, P.A.	RESEARCH ASST.	OREGON STATE UNIVERSITY
OSBY, D.E.	RESEARCH ASST.	OREGON STATE UNIVERSITY
KORDAL, J.B.	OCEAN TECH.	OREGON STATE UNIVERSITY
HORNBERG, T.M.	STUDENT	OREGON STATE UNIVERSITY
ABEZAS, A.C.	NAVAL OFFICER	CHILE
SPINOSA, R.R.	NAVAL OFFICER	CHILE
ONARDES, R.M.	NAVAL OFFICER	CHILE
ALDIVIA, M.S.R.	STUDENT UNIV. CHL	CHILE
ALENZUELA, E.A.	PROF UNIV. CHL	CHILE
ERGARA, H.C.	REP. HYDRO. OFFICE	CHILE

NOTES*** AN 'X' IN THE (BEGIN/END) 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 T2	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
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*** FATHOGRAMS ***

1650	5/11/80	DPR3 B	PDR 3.5KHZ M-8011-01	OSU 23	41.0S	70 28.4W	S VLCN03MV
0930	10/11/80	DPR3 E	PDR 3.5KHZ M-8011-01	OSU 32	55.7S	71 50.2W	S VLCN03MV

*** CORES ***

1447	6/11/80	COPS	M-8011-01PC	7595	OSU 25 41.7S	71 32.0W	S VLCN03MV
1447	6/11/80	COPG	M-8011-01GC	7595	OSU 25 41.7S	71 32.0W	S VLCN03MV
1852	7/11/80	COPS	M-8011-02PC	6508	OSU 27 54.8S	72 01.2W	S VLCN03MV
1852	7/11/80	COPG	M-8011-02GC	6508	OSU 27 54.8S	72 01.2W	S VLCN03MV
1850	8/11/80	COPG	M-8011-03GC	6512	OSU 29 16.7S	72 19.1W	S VLCN03MV
1852	8/11/80	COPS	M-8011-03PC	6512	OSU 29 16.7S	72 19.1W	S VLCN03MV

9900

END SAMPLE INDEX

VLCN03MV