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

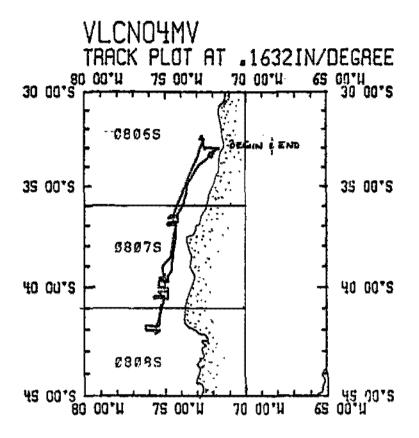
VULCAN EXPEDITION

LEG 4
Valparaiso, Chile (10 November 1980)
to
Valparaiso, Chile (28 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



VULCAN, EXPEDITION LEG 4

Chief Scientist: L. D. Kulm (OSU)

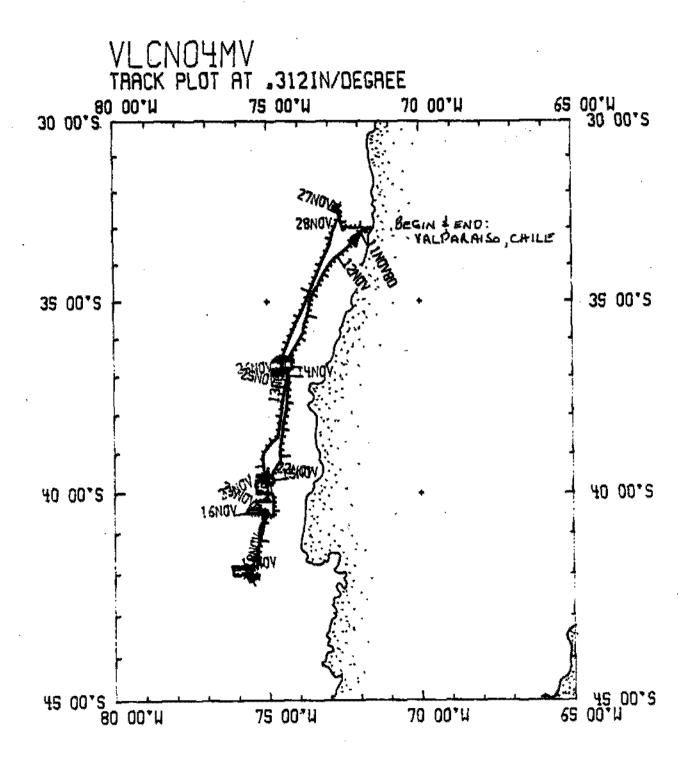
Ports: Valparaiso to Valparaiso, Chile

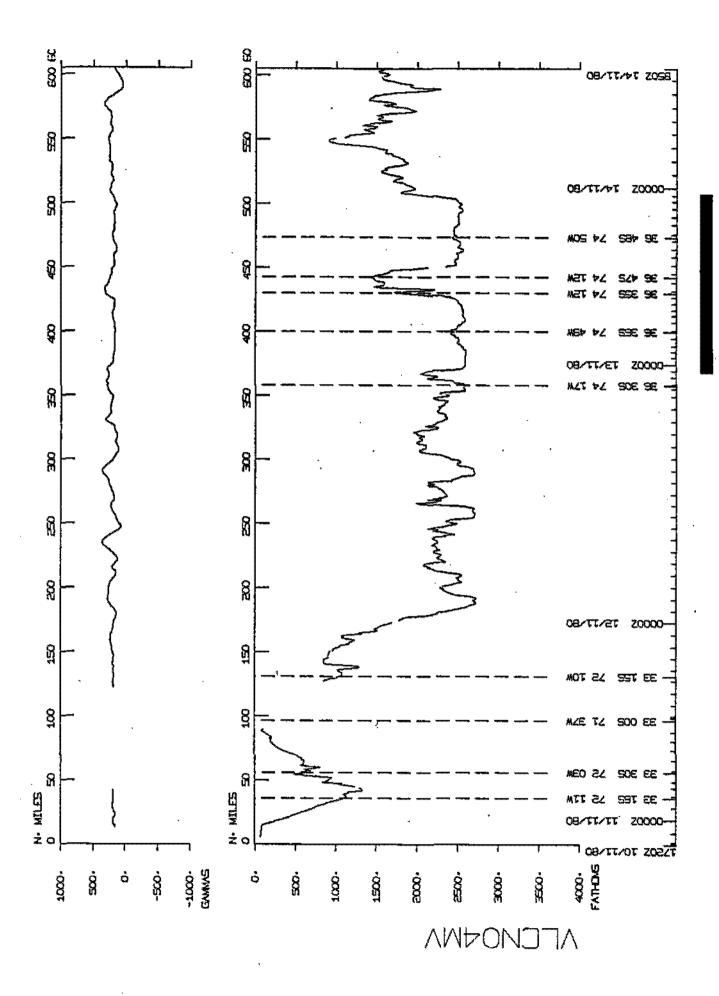
Dates: 10-28 November 1980

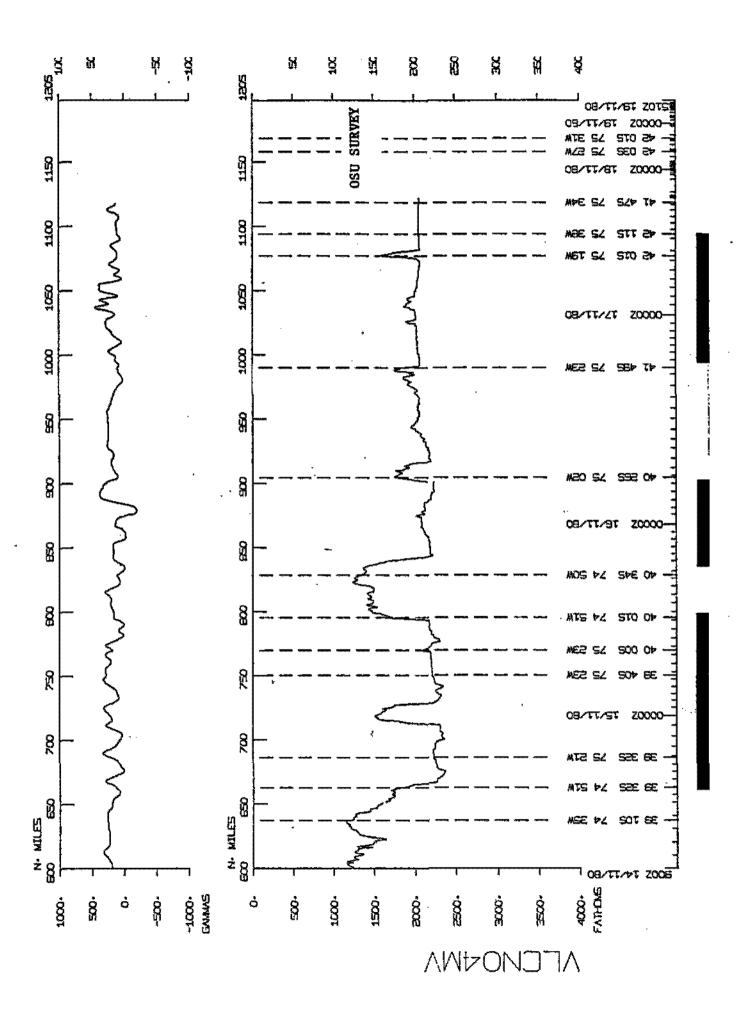
Ship: R/V Melville

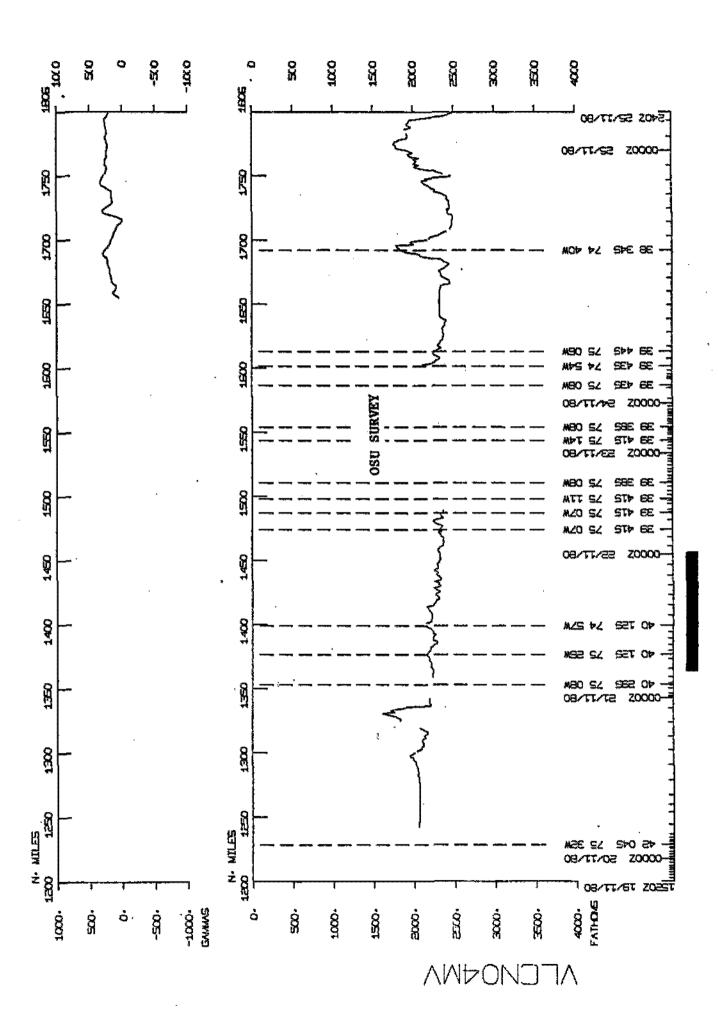
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

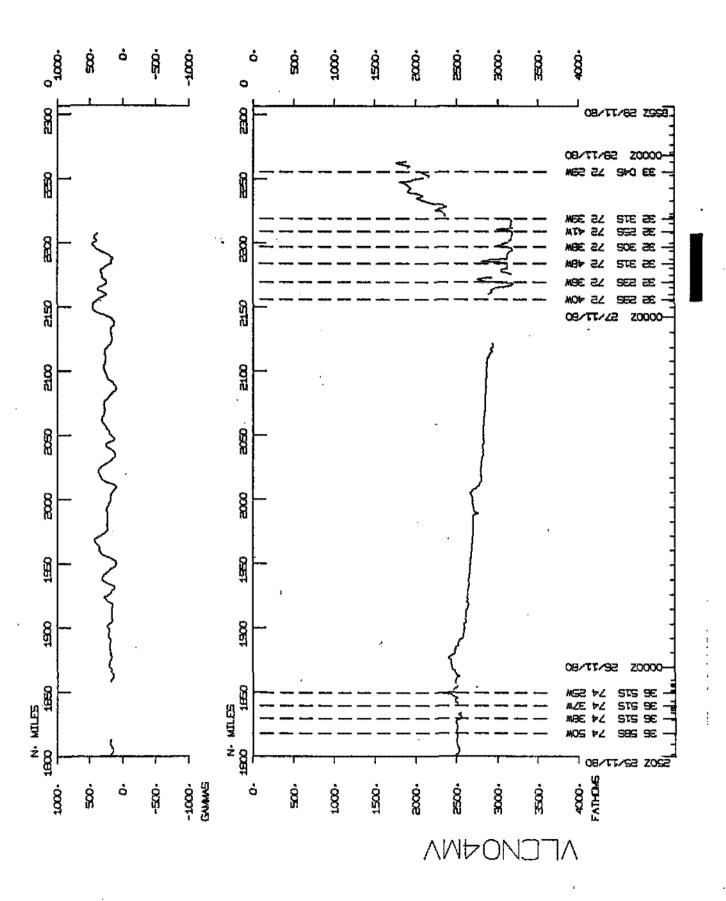
- 1) Cruise 2311 miles
- 2) Bathymetry 1931 miles (processed by GDC, SIO)3) Magnetics 1556 miles
- 4) Seismic Reflection 595 miles
- 5) Gravity none collected











(VLCNO4NV)	本事本
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10NOV80 - VALPARAISO.CHILE

TO

28NOV80 - VALPARAISO CHILE

osu

CHIEF SCIENTIST - KULM.L.D.

SHIP - R/V HELVILLE (SIG)

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		
		CO	DP	MG	PE	SP			•	
CHL			**************************************	14M mil 2000	4		1)-m-m	
MTG	ï	-			2		Ï	2		
OSU	I	35	2		11	6	I	54		
510	I			2			Ţ	2		
osu	1				1.		I	1		
TOTAL	,	34	2	,	18				*	

SAMPLE 'TYPE' CODES USED ABOVE

CO = CORE

DP = DEPTH

MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
PE = PERSONNEL IN SCIENTIFIC PARTY

SP = SEISMIC REFLECTION PROFILE AIRGUN

SAMPLE 'DISP' CODES USED ABOVE

CHL * CHILE

MTG = MARINE TECHNOLOGY GROUP (EXT 4194)

OSU = OREGON STATE UNIVERSITY

SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JULLA, CAL. 92093

	D /M /'	Y LOC	LOC TZ	CODE Samp	SAMPLE	IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE	
***************************************				VULCAN	LEG 04	SAMPLE INDI	EX	•	······································	VLCN04HV	
***	PORTS	本本本					•			•	
	10/11/0					VISO, CHILE		3 02. 5 3 02. S	71 37. W I		
	11/11/0					ISO, CHILE		3 02. S 3 02. S	71 37. W 1 71 37. W 1	F VLCNO4MV F VLCNO4MV	
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**	NAME '	***	本本本	TITLE	***		*** AF	= LIATI	. *** NC		
2 KE 3 ST 4 BA 5 OE 7 FL 9 JC 1 BA 1 BA 2 SE 3 SE 4 TH 5 OE 7 FL 7 VE	JLM.L.O. EITH.W.I UBER.O. ATTEY.R. AUSON,I EVRIES.I EISCHBI DWER.M.I OHNSTON LLS.P.A. EIFERT,I GORDBLL. HORNBLL ERGARA.I ERGARA.I	1	•	COMPUTI RESEARI RESEARI STUDENT OCEAN OCEAN OCEAN RESEARI RESEARI RESEARI STUDENT STUDENT STUDENT REP.HYI	TECH. CH ASST. CH ASST. FECH. FECH. CH ASST. CH ASST. CH ASST. CH ASST. FECH.	SCRIPP: SCRIPP: OREGON OREGON OREGON OREGON OREGON OREGON OREGON OREGON CHILE HL CHILE	STATE UNIX S INSTITUT S INSTITUT: STATE UNIX STATE UNIX STATE UNIX STATE UNIX STATE UNIX STATE UNIX STATE UNIX STATE UNIX STATE UNIX STATE UNIX	ION OF (ION OF (VERSITY	OC E ANO GRAPH IC E ANO GRAPH	r, LA JOLLA v, LA JOLLA	CAL. 92093 CAL. 92093

NOTES* AN 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE CUDE INDICATES NO SAMPLE OR DATA RECOVERED .

A 'C' INDICATES CONTINUATION OF DATA COLLECTION FROM BEFORE THE REGINNING OR AFTER THE END OF THIS LEG. (MODRED 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 LOC LOC TIME DATE TIME TZ	CODE SAMPLE IDENT.	CODE LAT. LONG. DISP	LEG-SHIP CRUISE
*** FATHOGRAMS ***	•	•	
2250 10/11/80 0300 22/11/80	DPR3 B PDR 3.5KH2 M-8011-02 DPR3 E PDR 3.5KH2 M-8011-02		
0308 22/11/80 0042 27/11/80	DPR3-8 PDR 3.5KHZ M-8011-03 DPR3 6 PDR 3.5KHZ M-8011-03	OSU 39 41.25 75 08.7W 5	
*** MAGNETOMETER ***			,
2323 10/11/80 2015 26/11/80	MGRA B MAGNETICS R-01 MGRA E MAGNETICS R-01	\$10 33 04.55 71 47.5W 5	
2108 26/11/80 1057 27/11/80	MGRA 8 MAGNETICS R-02 MGRA E MAGNETICS R-02	* * * * * * * * * * * * * * * * * * *	S VLCNO4MV
*** SEISMIC REFLECTION	PROFILES ***		
2300 12/11/80 2300 13/11/80	SPSV B 4SEC,8SECREP,2-401N3 SPSV E 4SEC,8SECREP,2-401N3		
1600 14/11/80 1242 15/11/80	SPSV B 4SEC.8SECREP.2-401N3 SPSV E 4SEC.8SECREP.2-401N3		S VLCNO4MV S VLCNO4MV
1824 15/11/80 0529 16/11/80	SPSV 8 4SEC.8SECREP.2-40IN3 SPSV E 4SEC.8SECREP.2-40IN3		S VLCNO4MV S VLCNO4MV
1700 16/11/80 0830 17/11/80	SPSV 8 4SEC.8SECREP.2-40IN3 SPSV E 4SEC.8SECREP.2-40IN3		S VLCNO4MV S VLCNO4MV
0950 21/11/80 0014 22/11/80	SPSV B 4SEC,8SECREP,2-40IN3 SPSV E 4SEC,8SECREP,2-40IN3		S VLCNO4MV S VLCNO4MV
0200 27/11/80 1100 27/11/80	SPSV 8 45EC.8SECREP.2-40IN3 SPSV E 4SEC.8SECREP.2-40IN3		S VLCNO4MV S VLCNO4MV
*** CORES ***			
0655 18/11/80 0655 18/11/80 1241 18/11/80 1241 18/11/80 1746 18/11/80	COPS M-8011-04PC 3891M COPG M-8011-04GC 3891M COPS M-8011-05PC 3910M COPG M-8011-05GC 3910M COGV M-8011-06GC 3925M	4 OSU 42 06.55 75 35.4W 3 4 OSU 42 04.25 75 26.9W 3 4 OSU 42 04.25 75 26.9W 3	S VLCNO4MV S VLCNO4MV S VLCNO4MV S VLCNO4MV S VLCNO4MV

GMT D /M /Y TIME DATE	LOC LOC CODE TIME TZ SAMP	SAMPLE IDENT.		CODE LAT.	LONG.	LEG-SHIP CRUISE
0742 20/11/80	COPS	M-8011-10PC	3867M	OSU 42 04.95	75 31.9W	S VLCNOAMV
0742 20/11/80		M-8011-10GC	3867M	OSU 42 04.95	75 31.9W	S VLCNO4MV
0117 21/11/80		M-8011-11PC	4160M	OSU 40 29.0S	75 14.8W :	S VLCNOAMV
0117 21/11/80		M-8011-11GC	4160M	OSU 40 29.0S	75 14.8W :	S VLCNOAMV
0706 21/11/80		M-8011-12PC	4192M	OSU 40 29.75	75 08.8W :	S VLCNO4MV
0706 21/11/80		M-8011-12GC	4192H	GSU 40 29.75	75 08.8W S	S VLCNOAMY
0738 23/11/80		M-8011-13PC	443 7M	OSU 39 39.3S	75 11.1W	S VLCNO4MV
0738 23/11/80	COPG	M-8011-13GC	4437M	OSU 39 39.35	75 11.1W	S VLCNO4MV
1249 23/11/80		M-8011-14PC	4345M	DSU 39 39.6S	75 11.1W	S VLCNO4MV
1249 23/11/80		M-8011-14GC	4345M	QSU 39 39.6S	75 11.1W S	S VLCNO4HV
1945 23/11/80	COPS	M-8011-15PC	4360M	QSU 39 39.7S	75 14.6W	S VLCNO4MV
1945 23/11/80		M-8011-15GC	4360M	OSU 39 39.75	75 14.6W	S VLCNO4MV
0430 24/11/80		M-8011-16PC	4353M	OSU 39 44.7S	75 02.1W	S VLCNO4MV
0430 24/11/80		M-8011-16GC	4353M	OSU 39 44.7S	75 02.1W	S VLCNO4MV
0836 25/11/80		M-8011-17PC	4825M	OSU 36 54.15	74 38.7H	S VLCNOAMV
0836 25/11/80		M-8011-17GC	4825M	OSU 36 54.1S	74 38.7W	S VLCNOAMV
1447 25/11/80		M-8011-18PC	4660M	OSU 36 51.2S	74 25.5W	S VLCNO4MV
1447 25/11/80	COPG	M-8011-18GC	4660M	OSU 36 51.2S	74 25.5W	S VLCNOAMV
1948 25/11/80	COPS	M-8011-19PC	4728M	OSU 36 51.85	74 29.5W	S VLCNOANY '
1948 25/11/80		M-8011-19GC	4728M	QSU 36 51.8S	74 29.5W	S VLCNO4MV
1433 27/11/80	COPS	M-8011-20PC	6035M	OSU 32 31.25		S VLCNO4MV
1433 27/11/80		M-8011-20GC	6035M	OSU 32 31.25		S VLCNOAMV
2350 27/11/80	COPS	M-8011-21PC	4065M	OSU 33 00.4S	72 29.8W	S VLCNO4MV
2350 27/11/80	COPG	H-8011-21GC	4065M	OSU 33 00.4S	72 29.8H	S VLCNO4MV
		•				

9900 . END SAMPLE INDEX

VLC NO4MV