

INFORMAL REPORT AND

SAMPLE INDEX

(Issued June 1980)

LA PAZ EXPEDITION

LEGS 1 AND 2

LEG 1

Co-Chief Scientists - J. Orcutt (SIO) and K. MacDonald (UCS)
San Diego, California (10 July 1980)
to
La Paz, Mexico (20 July 1980)

LEG 2

Chief Scientist - P. Lonsdale (SIO)
La Paz, Mexico (22 July 1980)
to
San Diego, California (18 August 1980)

R/V Melville

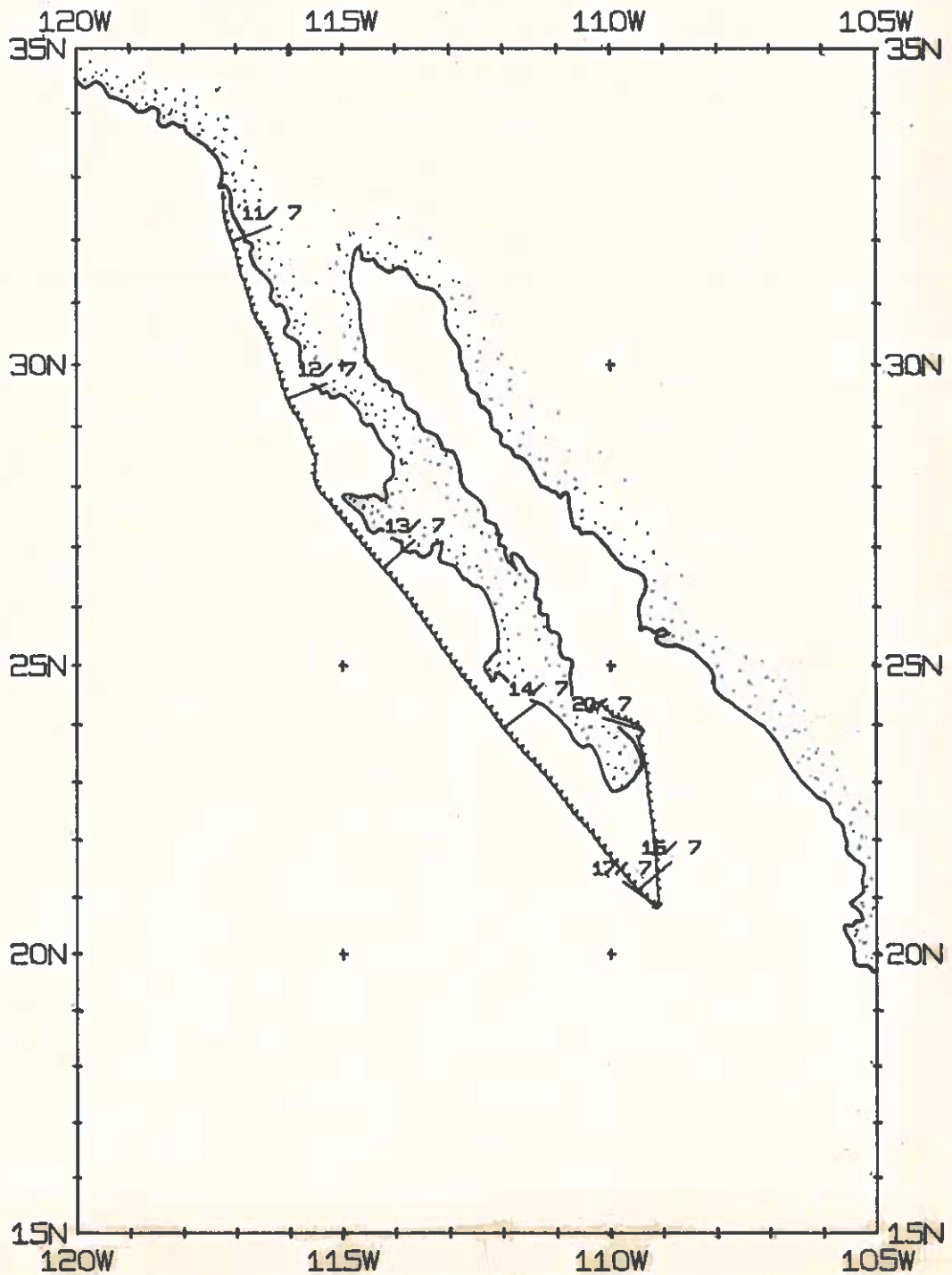
Resident Marine Tech - W. E. Keith

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 and ONR

LAPAZ LEG 1

MERCATOR PROJECTION, SCALE= 0.312 IN/DEG LONGITUDE



LAPAZ EXPEDITION LEG 1

Co-Chief Scientists - J. Orcutt (SIO) and K. MacDonald (U
Ports: San Diego, Calif. - La Paz, Mexico
Dates: 10 -20 July 1980
Ship: R/V Melville

Total distance steamed was 1194 miles
Navigation available through the IBM 1800 system only
No underway data was collected

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

DISP	TYPE		TOTAL	
	PE	SB		
GRD	I	7	I	7
LMD	I	14	I	14
MPL	I	1	I	1
MTG	I	2	I	2
SIO	I	6	I	6
UCS	I	5	I	5
VOL	I	1	I	1
TOTAL	I	22	I	36

SAMPLE 'TYPE' CODES USED ABOVE

PE = PERSONNEL IN SCIENTIFIC PARTY
 SB = SEISMIC BUOY

SAMPLE 'DISP' CODES USED ABOVE

GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
 LMD = LEROY M. DORMAN (EXT. 2406)
 MPL = MARINE PHYSICAL LAB. (EXT 2305)
 MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
 SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CAL. 92093
 UCS = UNIV. CALIF. SANTA BARBARA
 VOL = VOLUNTEER

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

*** PORTS ***

1900 10/ 7/80			LGPT B SAN DIEGO, CAL.		32 40.1N	117 13.5W	S LPAZ01MV
1900 20/ 7/80			LGPT F LA PAZ, MEXICO		24 12.8N	110 19.4W	S LPAZ01MV

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***	*** CAL. ***
1 ORCUTT, J.D.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
2 MAC DONALD, K.C.	CHIEF SCIENTIST	UNIV. CALIF. SANTA BARBARA	
3 OTT, J.D.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
4 KEITH, W.E.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
5 BEKLINER, D.L.	JR. DVLMT. ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
6 BISSEL, M.	LAB. ASST. II	UNIV. CALIF. SANTA BARBARA	
7 BOATRIGHT, F.D.	SR. ENG. AID	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
8 CHAVEZ DE OCHA, M.C.	LAB. ASST. I	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
9 COLLINS, K.F.	STUDENT	UNIV. CALIF. SANTA BARBARA	
10 CREAGER, K.C.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
11 DUZ, T.F.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
12 GLEASON, D.E.	DVLMT. ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
13 JACOBSON, R.S.	GEOPHYSICIST	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT. 2)	
14 MC LAJN, J.C.	POST DOCTORATE	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
15 MOORE, R.D.	SPECIALIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
16 PARK, J.J.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
17 POGLE, K.J.	STAFF RES. ASSO. I	UNIV. CALIF. SANTA BARBARA	
18 PRESLEY, J.A.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
19 RAISBOTTOM, L.	STUDENT	UNIV. CALIF. SANTA BARBARA	
20 RIEDEL, M.A.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
21 SHAW, P.R.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093
22 WILLOUGHBY, D.F.	ASST. DVLMT. ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA	CAL. 92093

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 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.

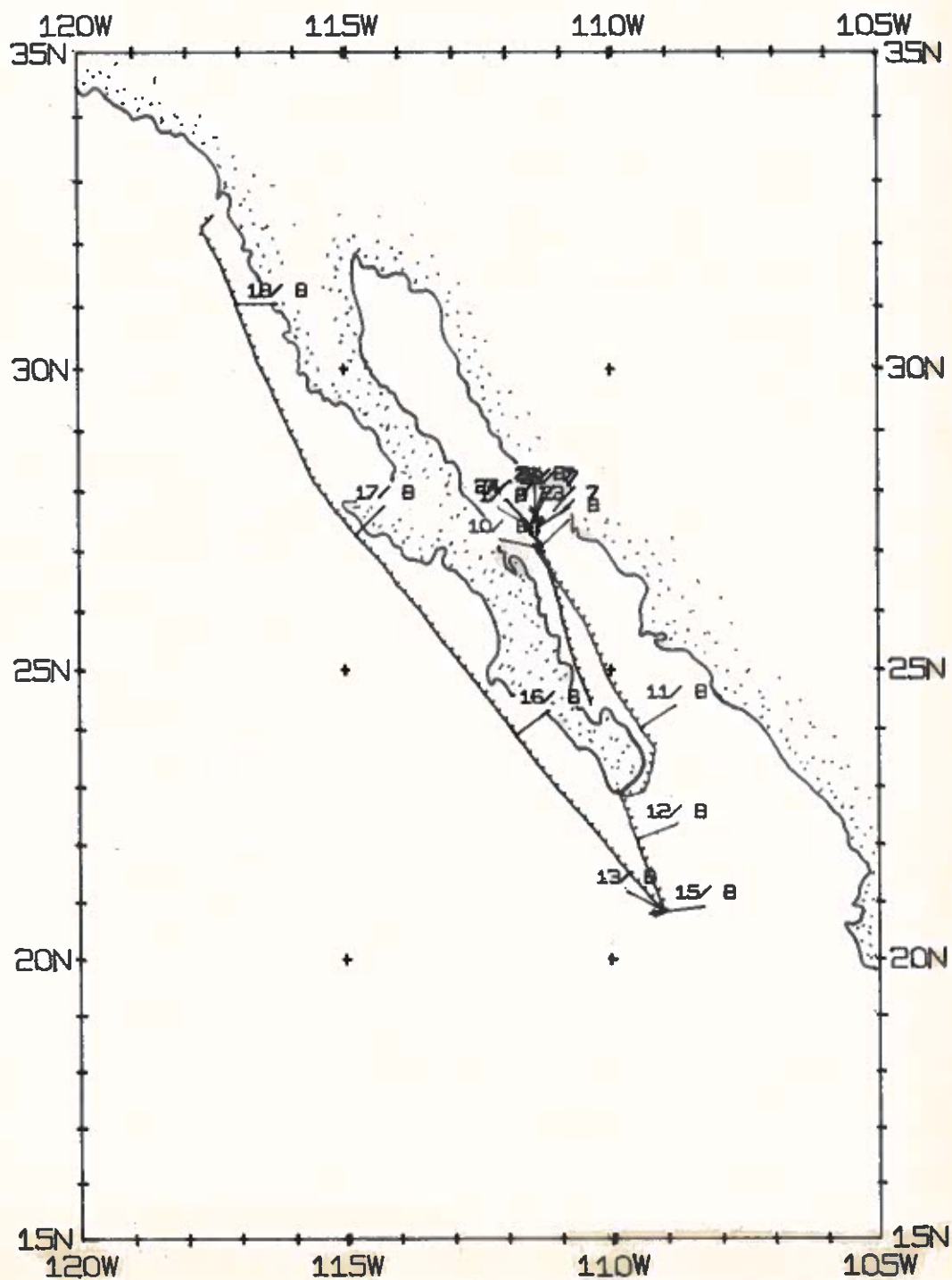
GMT D / M / Y	LOC LOC	CODE	SAMPLE IDENT.	CODE	LAT.	LONG.	LEG-SHIP
TIME DATE	TIME TZ	SAMP		DISP			CRUISE

SONOBUOY - OCEAN BOTTOM SEISMOMETER

1330 15/ 7/80		SB0B B	DRUP LPAZ01 DOF	LMD 20	50.6N	109 04.4W	S LPAZ01MV
1900 20/ 7/80		SB0B C	DRUP LPAZ01 DOF	LMD 24	12.8N	110 19.4W	S LPAZ01MV
0553 16/ 7/80		SB0B B	DRUP LPAZ01 INEZ	LMD 20	50.6N	109 06.8W	S LPAZ01MV
1900 20/ 7/80		SB0B C	DRUP LPAZ01 INEZ	LMD 24	12.8N	110 19.4W	S LPAZ01MV
1017 16/ 7/80		SB0B B	DRUP LPAZ01 GWEN	LMD 20	51.7N	109 05.8W	S LPAZ01MV
1900 20/ 7/80		SB0B C	DRUP LPAZ01 GWEN	LMD 24	12.8N	110 19.4W	S LPAZ01MV
0645 17/ 7/80		SB0B B	DRUP LPAZ01 DENI	LMD 20	50.0N	109 05.7W	S LPAZ01MV
1900 20/ 7/80		SB0B C	DRUP LPAZ01 DENI	LMD 24	12.8N	110 19.4W	S LPAZ01MV
1934 17/ 7/80		SB0B B	DRUP LPAZ01 PHRED	LMD 20	50.6N	109 05.0W	S LPAZ01MV
1900 20/ 7/80		SB0B C	DRUP LPAZ01 PHRED	LMD 24	12.8N	110 19.4W	S LPAZ01MV
1548 17/ 7/80		SB0B B	DRUP LPAZ01 JUAN	LMD 20	51.8N	109 04.6W	S LPAZ01MV
1900 20/ 7/80		SB0B C	DRUP LPAZ01 JUAN	LMD 24	12.8N	110 19.4W	S LPAZ01MV
0000 18/ 7/80		SB0B B	DRUP LPAZ01 U.W.	LMD 20	50.3N	109 04.4W	S LPAZ01MV
1900 20/ 7/80		SB0B C	DRUP LPAZ01 U.W.	LMD 24	12.8N	110 19.4W	S LPAZ01MV
9900			END SAMPLE INDEX				LPAZ01MV

LAPAZ LEG 2

MERCATOR PROJECTION, SCALE= 0.312 IN/DEG LONGITUDE



LAPAZ EXPEDITION LEG 2

Chief Scientist: P. F. Lonsdale (SIO)
Ports: La Paz, Mexico - San Diego, Calif.
Dates: 22 July - 18 August 1980
Ship: R/V Melville

Total distance steamed was 2343 miles
Navigation available through the IBM 1800 system only
No underway data was collected

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

DISP		TYPE								TOTAL	
		CM	CO	DR	DT	HC	HF	PE	SB		
DTG	I	4			5					1	9
GCR	I		28	10						1	38
GRD	I							2		1	2
HFP	I						15			1	15
LMD	I								7	1	7
MIT	I							1		1	1
MPL	I							6		1	6
MTG	I							2		1	2
SIU	I					10		9		1	19
SIX	I		3					5		1	8
UCR	I							1		1	1
UCS	I							1		1	1
UWA	I							1		1	1
VOL	I							1		1	1
TOTAL I		4	31	10	5	10	15	29	7	1	111

SAMPLE 'TYPE' CODES USED ABOVE

CM = CURRENT MEASUREMENT
 CO = CORE
 DR = DREDGE
 DT = DEEP TONED INSTRUMENT PACKAGE (MPL PROJECT)
 HC = HYDROGRAPHIC CAST
 HF = HEAT PROBE
 PE = PERSONNEL IN SCIENTIFIC PARTY
 SB = SEISMIC BUOY

SAMPLE 'DISP' CODES USED ABOVE

DTG = DEEP TON GROUP (MAR. PHYSICAL LAB) -- S. MILLER (EXT. 2850)
 GCR = GEOLOGICAL CURATING FACILITY -- W. RIEDEL, (EXT. 4386)
 GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
 HFP = HEAT FLOW PROGRAM (KIER BECKER EXT. 2504)
 LMD = LEROY M. DORMAN (EXT. 2406)
 MIT = MASS. INST. TECHNOLOGY
 MPL = MARINE PHYSICAL LAB. (EXT 2305)
 MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
 SIU = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CAL. 92092
 SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)
 UCR = UNIV. CALIF. RIVERSIDE
 UCS = UNIV. CALIF. SANTA BARBARA
 UWA = UNIV. OF WASHINGTON, SEATTLE
 VOL = VOLUNTEER

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

*** PURTS ***

0230	22/ 7/80		LGPT B	LA PAZ, MEXICO	24	24.7N	110 26.4W	S LPAZ02MV
1500	18/ 8/80		LGPT E	SAN DIEGO, CAL.	32	27.8N	117 26.9W	S LPAZ02MV
1400	11/ 8/80		LGSS B	CABO SAN LUCAS, MEX.	22	52.8N	109 52.3W	S LPAZ02MV
1930	11/ 8/60		LGSS E	CABO SAN LUCAS, MEX.	22	52.8N	109 52.3W	S LPAZ02MV

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 LONSDALE, P.F.	ASST.RES.GEOLG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
2 OTT, J.D.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3 KEITH, W.E.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 BEAUDRY, D.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 BECKER, K.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6 BERLINER, D.L.	JR.DVLMT.ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7 BOEGEMAN, D.E.	ENGINEER	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
8 CAMPBELL, A.C.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
9 EDBERG, J.R.	JET PROP.LAB	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3
10 ELDERS, W.A.	PROFESSOR	UNIV. CALIF. RIVERSIDE
11 ESQUER, I.F. (MEX)	CHEMIST	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3
12 GLEASON, D.E.	DVLMT.TFCH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
13 GUTIERREZ-WING, M.T.	STUDENT (CICESE)	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3
14 JIMENEZ, D.H.	PROFESSOR	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3
15 KARL, J.H.	PROFESSOR	UNIV. OF WASHINGTON, SEATTLE
16 KASTENS, K.A.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
17 LAWHEAD, K.M.	ASST.PROGRAMMER	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
18 LAVER, L.A.	GEOPHYSICIST	MASS. INST. TECHNOLOGY
19 LINZER, M.A.	LAB. ASST. I	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
20 MACDONALD, K.C.	LECTURER	UNIV. CALIF. SANTA BARBARA
21 MORIN, R.H.	STUDENT	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3
22 OLSSON, M.S.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
23 PAVLICEK, F.V.	ASSO.DVLMT.ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
24 RIEUSEL, M.A.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
25 SHELINE, H.E.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
26 STOUT, P.M.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
27 TELLEZ-DUARTE, E.M.	STUDENT	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3
28 VACQUIER, V.	PROFESSOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
29 WILLOUGHBY, D.F.	ASST.DVLMT.ENG.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093

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 THIS LEG.
 (BORED 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 TIME	D / M / Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
----------	----------------	----------	--------	-----------	---------------	-----------	------	-------	-----------------

SONOBODY - OCEAN BOTTOM SEISMOMETER

0230	22/ 7/80			SBOB C	LPAZ01 DOE	LMD 24	24.7N	110 26.4W	S LPAZ02MV
0400	14/ 8/80			SBOB E RCVR	LPAZ01 DOE	LMD 20	50.6N	109 07.9W	S LPAZ02MV
0230	22/ 7/80			SBOB C	LPAZ01 INEZ	LMD 24	24.7N	110 26.4W	S LPAZ02MV
0230	22/ 7/80			SBOB X LOST	LPAZ01 INEZ	LMD 24	24.7N	110 26.4W	S LPAZ02MV
0230	22/ 7/80			SBOB C	LPAZ01 GWEN	LMD 24	24.7N	110 26.4W	S LPAZ02MV
1230	12/ 8/80			SBOB E RCVR	LPAZ01 GWEN	LMD 20	51.9N	109 06.0W	S LPAZ02MV
0230	22/ 7/80			SBOB C	LPAZ01 DENI	LMD 24	24.7N	110 26.4W	S LPAZ02MV
0230	22/ 7/80			SBOB X LOST	LPAZ01 DENI	LMD 24	24.7N	110 26.4W	S LPAZ02MV
0230	22/ 7/80			SBOB C RCVR	LPAZ01 PHRED	LMD 24	24.7N	110 26.4W	S LPAZ02MV
0900	13/ 8/80			SBOB E RCVR	LPAZ01 PHRED	LMD 20	49.1N	109 05.2W	S LPAZ02MV
0230	22/ 7/80			SBOB C	LPAZ01 JUAN	LMD 24	24.7N	110 26.4W	S LPAZ02MV
0300	13/ 8/80			SBOB E RCVR	LPAZ01 JUAN	LMD 20	50.8N	109 05.9W	S LPAZ02MV
0230	22/ 7/80			SBOB C	LPAZ01 U.W.	LMD 24	24.7N	110 26.4W	S LPAZ02MV
0400	13/ 8/80			SBOB E RCVR	LPAZ01 U.W.	LMD 20	50.6N	109 06.3W	S LPAZ02MV

**** DEEP TOW SURVEY **** CURATOR ROBERT LAWHEAD EXT. 4892

1600	23/ 7/80			DTWS B	NORTH TROUGH	DTG 27	20.9N	111 32.4W	S LPAZ02MV
1830	24/ 7/80			DTWS E	NORTH TROUGH	DTG 27	18.2N	111 28.0W	S LPAZ02MV
0700	25/ 7/80			DTWS B	PEAK-N-TROUGH	DTG 27	21.3N	111 36.0W	S LPAZ02MV
1230	27/ 7/80			DTWS E	PEAK-N-TROUGH	DTG 27	17.6N	111 28.4W	S LPAZ02MV
0700	30/ 7/80			DTWS B	N.TROUGH-LONG.PROF.	DTG 27	17.2N	111 31.4W	S LPAZ02MV
2050	31/ 7/80			DTWS E	N.TROUGH-LONG.PROF.	DTG 27	28.6N	111 20.1W	S LPAZ02MV
2250	3/ 8/80			DTWS B	N.TRANSFORM	DTG 27	34.1N	111 28.2W	S LPAZ02MV
1200	5/ 8/80			DTWS E	N.TRANSFORM	DTG 27	40.1N	111 33.9W	S LPAZ02MV
0200	7/ 8/80			DTWS B	S. TROUGH	DTG 27	03.1N	111 24.2W	S LPAZ02MV
0200	9/ 8/80			DTWS E	S. TROUGH	DTG 27	00.6N	111 23.7W	S LPAZ02MV

CURRENT MEASUREMENT

0340	23/ 7/80			CMAB B	LPAZ01CM	DTG 27	17.5N	111 31.0W	S LPAZ02MV
2013	6/ 8/80			CMAB E	LPAZ01CM	DTG 27	17.3N	111 30.1W	S LPAZ02MV
0422	23/ 7/80			CMAB B	LPAZ02CM	DTG 27	17.2N	111 29.5W	S LPAZ02MV
2115	6/ 8/80			CMAB E	LPAZ02CM	DTG 27	16.9N	111 29.8W	S LPAZ02MV
0025	25/ 7/80			CMAB B	LPAZ03CM	DTG 27	26.4N	111 23.1W	S LPAZ02MV
1819	5/ 8/80			CMAB E	LPAZ03CM	DTG 27	26.7N	111 22.6W	S LPAZ02MV
0252	25/ 7/80			CMAB B	LPAZ04CM	DTG 27	30.1N	111 20.3W	S LPAZ02MV
1644	5/ 8/80			CMAB E	LPAZ04CM	DTG 27	25.1N	111 21.9W	S LPAZ02MV

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

*** DREDGES *** CURATOR - W. RIEDEL EXT. 4386

1035	18/ 7/80	DRRO B	LPAZ01DR		GCR 24	24.7N 110	26.4W S LPAZ02MV
1140	18/ 7/80	DRRO E	LPAZ01DR		GCR 24	24.7N 110	26.4W S LPAZ02MV
0405	28/ 7/80	DRRO B	LPAZ02	1850M	GCR 27	23.2N 111	36.0W S LPAZ02MV
0455	28/ 7/80	DRRO E	LPAZ02	1663M	GCR 27	23.2N 111	36.2W S LPAZ02MV
1645	28/ 7/80	DRRO B	LPAZ03	1850M	GCR 27	23.1N 111	35.9W S LPAZ02MV
1730	28/ 7/80	DRRO E	LPAZ03	1665M	GCR 27	23.5N 111	36.5W S LPAZ02MV
1910	29/ 7/80	DRRO B	LPAZ04	NO SAMPLE	GCR 27	18.0N 111	33.2W S LPAZ02MV
2000	29/ 7/80	DRRO E	LPAZ04	NO SAMPLE	GCR 27	18.4N 111	32.2W S LPAZ02MV
0000	2/ 8/80	DRRO B	LPAZ05	1975M	GCR 27	20.5N 111	28.1W S LPAZ02MV
0110	2/ 8/80	DRRO E	LPAZ05	1825M	GCR 27	20.9N 111	28.6W S LPAZ02MV
2305	2/ 8/80	DRRO B	LPAZ06	2000M	GCR 27	18.0N 111	31.2W S LPAZ02MV
2340	2/ 8/80	DRRO E	LPAZ06	1813M	GCR 27	18.1N 111	31.2W S LPAZ02MV
0050	9/ 8/80	DRRO B	LPAZ07	2000M	GCR 27	01.5N 111	22.5W S LPAZ02MV
0150	10/ 8/80	DRRO E	LPAZ07	1850M	GCR 27	01.5N 111	24.7W S LPAZ02MV
1550	12/ 8/80	DRRO B	LPAZ08	2000M	GCR 20	48.4N 109	18.1W S LPAZ02MV
1630	12/ 8/80	DRRO E	LPAZ08	1630M	GCR 20	48.6N 109	18.5W S LPAZ02MV
1732	13/ 8/80	DRRO B	LPAZ09	2690M	GCR 20	47.3N 109	17.6W S LPAZ02MV
1905	13/ 8/80	DRRO E	LPAZ09	1950M	GCR 20	48.2N 109	17.2W S LPAZ02MV
1147	14/ 8/80	DRRO B	LPAZ10	2550M	GCR 20	50.0N 109	06.3W S LPAZ02MV
1420	14/ 8/80	DRRO E	LPAZ10	2550M	GCR 20	50.4N 109	06.6W S LPAZ02MV

*** CORES ***

1345	22/ 7/80	COGV	LPAZ01G	362M	GCR 25	52.8N 111	00.2W S LPAZ02MV
0207	25/ 7/80	COGV	LPAZ02G (URI)	1897M	SIX 27	30.5N 111	20.0W S LPAZ02MV
1700	27/ 7/80	COGV	LPAZ03G NO SAMPLE		SIX 27	22.5N 111	36.7W S LPAZ02MV
1128	28/ 7/80	COPS	LPAZ04P	1834M	GCR 27	22.5N 111	36.0W S LPAZ02MV
1128	28/ 7/80	COPG	LPAZ04PG	1834M	GCR 27	22.5N 111	36.0W S LPAZ02MV
1208	29/ 7/80	COGV	LPAZ05G (URI)	1775M	SIX 27	21.0N 111	30.3W S LPAZ02MV
1523	29/ 7/80	COPS	LPAZ06P	2020M	GCR 27	19.2N 111	28.9W S LPAZ02MV
1523	29/ 7/80	COPG	LPAZ06PG	2020M	GCR 27	19.2N 111	28.9W S LPAZ02MV
1125	1/ 8/80	COGV	LPAZ07G NO SAMPLE		GCR 27	20.8N 111	28.9W S LPAZ02MV
1350	1/ 8/80	COPS	LPAZ08P	1957M	GCR 27	20.6N 111	29.1W S LPAZ02MV
1350	1/ 8/80	COPG	LPAZ08PG	1957M	GCR 27	20.6N 111	29.1W S LPAZ02MV
1947	1/ 8/80	COPS	LPAZ09P	1957M	GCR 27	20.9N 111	29.1W S LPAZ02MV
1947	1/ 8/80	COPG	LPAZ09PG NO SAMPLE		GCR 27	20.9N 111	29.1W S LPAZ02MV
2207	1/ 8/80	COGV	LPAZ10G	1976M	GCR 27	20.9N 111	28.2W S LPAZ02MV
0320	2/ 8/80	COGV	LPAZ11G	2006M	GCR 27	20.2N 111	29.2W S LPAZ02MV
0625	2/ 8/80	COPS	LPAZ12P	1848M	GCR 27	20.9N 111	30.1W S LPAZ02MV
0625	2/ 8/80	COPG	LPAZ12PG	1848M	GCR 27	20.9N 111	30.1W S LPAZ02MV

GMT TIME	D / M / Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	28MAY81		PAGE	4	LEG-SHIP CRUISE
							LAT.	LONG.			
1852	2/ 8/80			COPS	LPAZ13P	1940M	GCR 27	18.0N	111	29.2W	S LPAZ02MV
1852	2/ 8/80			COPG	LPAZ13PG	1940M	GCR 27	18.0N	111	29.2W	S LPAZ02MV
2116	2/ 8/80			CUGV	LPAZ14G	1978M	GCR 27	18.2N	111	30.6W	S LPAZ02MV
1700	3/ 8/80			COPS	LPAZ15P	2007M	GCR 27	18.1N	111	30.0W	S LPAZ02MV
1700	3/ 8/80			COPG	LPAZ15PG	2007M	GCR 27	18.1N	111	30.0W	S LPAZ02MV
1030	5/ 8/80			CUGV	LPAZ16G	1970M	GCR 27	38.1N	111	32.3W	S LPAZ02MV
1923	5/ 8/80			CUGV	LPAZ17G	1984M	GCR 27	28.7N	111	20.0W	S LPAZ02MV
2022	9/ 8/80			COPS	LPAZ18P	1986M	GCR 27	02.7N	111	22.9W	S LPAZ02MV
2022	9/ 8/80			COPG	LPAZ18PG	1986M	GCR 27	02.7N	111	22.9W	S LPAZ02MV
2244	9/ 8/80			CUGV	LPAZ19G	1975M	GCR 27	02.5N	111	22.4W	S LPAZ02MV
0357	11/ 8/80			COPS	LPAZ20P NO SAMPLE		GCR 23	32.0N	109	15.6W	S LPAZ02MV
0357	11/ 8/80			COPG	LPAZ20PG	1510M	GCR 23	32.0N	109	15.6W	S LPAZ02MV
0939	11/ 8/80			COPS	LPAZ21P	624M	GCR 22	55.0N	109	28.0W	S LPAZ02MV
0939	11/ 8/80			COPG	LPAZ21PG	624M	GCR 22	55.0N	109	28.0W	S LPAZ02MV

HEAT FLOW

1523	29/ 7/80			HFCH	LPAZ06P		HFP 27	19.2N	111	28.9W	S LPAZ02MV
1852	2/ 8/80			HFCH	LPAZ13P		HFP 27	18.0N	111	29.2W	S LPAZ02MV
2202	9/ 8/80			HFCH	LPAZ18P		HFP 27	02.6N	111	22.0W	S LPAZ02MV
0500	23/ 7/80			HFME B	LPAZ01	ENTRIES = 3	HFP 27	18.5N	111	28.5W	S LPAZ02MV
0900	23/ 7/80			HFME E	LPAZ01	ENTRIES = 3	HFP 27	19.7N	111	30.3W	S LPAZ02MV
1000	23/ 7/80			HFME B	LPAZ02	ENTRIES = 3	HFP 27	20.1N	111	30.3W	S LPAZ02MV
1300	23/ 7/80			HFME E	LPAZ02	ENTRIES = 3	HFP 27	19.4N	111	31.2W	S LPAZ02MV
1430	27/ 7/80			HFME B	LPAZ03	ABORT	HFP 27	22.2N	111	36.2W	S LPAZ02MV
1530	27/ 7/80			HFME X	LPAZ03	ABORT	HFP 27	22.1N	111	36.3W	S LPAZ02MV
1800	27/ 7/80			HFME B	LPAZ04	12	HFP 27	21.6N	111	36.3W	S LPAZ02MV
0200	28/ 7/80			HFME E	LPAZ04	12	HFP 27	21.1N	111	35.1W	S LPAZ02MV
0200	29/ 7/80			HFME B	LPAZ05	13	HFP 27	21.0N	111	29.0W	S LPAZ02MV
1030	29/ 7/80			HFME E	LPAZ05	13	HFP 27	21.5N	111	30.8W	S LPAZ02MV
2000	29/ 7/80			HFME B	LPAZ06	13	HFP 27	18.4N	111	32.2W	S LPAZ02MV
0600	30/ 7/80			HFME E	LPAZ06	13	HFP 27	18.4N	111	33.9W	S LPAZ02MV
2245	31/ 7/80			HFME B	LPAZ07	24	HFP 27	20.2N	111	29.4W	S LPAZ02MV
1000	1/ 8/80			HFME E	LPAZ07	24	HFP 27	19.6N	111	28.8W	S LPAZ02MV
0915	2/ 8/80			HFME B	LPAZ08	8	HFP 27	16.6N	111	28.3W	S LPAZ02MV
1400	2/ 8/80			HFME E	LPAZ08	8	HFP 27	19.2N	111	30.2W	S LPAZ02MV
0130	3/ 8/80			HFME B	LPAZ09	37	HFP 27	17.0N	111	30.4W	S LPAZ02MV
1530	3/ 8/80			HFME E	LPAZ09	37	HFP 27	18.8N	111	30.8W	S LPAZ02MV
2345	5/ 8/80			HFME B	LPAZ10	24	HFP 27	18.2N	111	29.3W	S LPAZ02MV
0830	6/ 8/80			HFME E	LPAZ10	24	HFP 27	19.0N	111	28.8W	S LPAZ02MV

GMT D /M /Y TIME DATE	LOC LOC TIME TZ	CODE SAPP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1500 6/ 8/80		HFME B	LPAZ11	7	HFP 27 19.7N	111 29.7W	S LPAZ02MV
1730 6/ 8/80		HFME E	LPAZ11	7	HFP 27 21.3N	111 30.1W	S LPAZ02MV
0445 9/ 8/80		HFME B	LPAZ12	30	HFP 27 03.2N	111 21.2W	S LPAZ02MV
1430 9/ 8/80		HFME E	LPAZ12	30	HFP 27 00.2N	111 25.9W	S LPAZ02MV

HYDROGRAPHIC CAST

2226 24/ 7/80		HCNI	TSONI	0	DEEP 10	SIO 27 26.6N	111 22.4W	S LPAZ02MV
0715 28/ 7/80		HCNI	TSONI	0	DEEP 10	SIO 27 22.2N	111 35.1W	S LPAZ02MV
1408 28/ 7/80		HCNI	NO SAMPLES		PRETRIP	SIO 27 22.8N	111 35.9W	S LPAZ02MV
2100 28/ 7/80		HCNI	TSONI	0	DEEP 5	SIO 27 21.6N	111 35.4W	S LPAZ02MV
1657 1/ 8/80		HCNI	TSONI	0	DEEP 9	SIO 27 20.5N	111 28.1W	S LPAZ02MV
1610 2/ 8/80		HCNI	TSONI	0	DEEP 9	SIO 27 17.4N	111 30.1W	S LPAZ02MV
2014 5/ 8/80		HCNI	TSONI	0	DEEP 9	SIO 27 28.5N	111 20.7W	S LPAZ02MV
1316 6/ 8/80		HCNI	TSONI	0	1000 10	SIO 27 19.6N	111 29.0W	S LPAZ02MV
1714 9/ 8/80		HCNI	TSONI	0	DEEP 9	SIO 27 02.6N	111 23.0W	S LPAZ02MV
2350 12/ 8/80		HCNI	T NI	0	DEEP 5	SIO 20 50.0N	109 05.2W	S LPAZ02MV

9900

END SAMPLE INDEX

LPAZ02MV