89002

CRUISE REPORT
OF THE
BRANCH OF PACIFIC MARINE GEOLOGY
U.S. GEOLOGICAL SURVEY

CRUISE: F2 89NC

SHIP: FARNELLA

CHIEF SCIENTIST: B.Schwab/J.Chin/H.Karl

	CALENDAR DATE/TIME AND DATUM	GMT DAY/TIME	ACTIVITY
CRUISE	12-Jan-1989 20:10 LMT	013/0400	start cruise
CRUISE	28-Jan-1989 17:50 GMT	028/1750	end cruise

PERSONNEL LIST:

PERSON	RESPONSIBILITY
Bill Schwab	CHIEF SCIENTIST
Herman Karl	CHIEF SCIENTIST
John Chin	CHIEF SCIENTIST
R. Sliter	DAFE CURATOR
D. Nicholls	ELECTRONICS T
J. Thomas	ELECTRONICS T
M. Boyle	ELECTRONICS T
T. O'Brien	ELECTRONICS T
H. Williams	MECHANICAL T
B. Seekins	NAVIGATOR
K. Kinoshita	NAVIGATOR
B. Danforth	WATCHSTANDER
G. Gabel	WATCHSTANDER
R. Frisch	WATCHSTANDER

TRACKLINE SUMMARY:

	KILOMETERS	NAUTICAL MILES	HOURS
LINE 0025	.1	.1	3
LINE 0026			1
LINE 0027	9.0	4.9	3
LINE 0029	11.5	6.2	1
LINE 0030	12.2	6.6	2
LINE 0031	25.9	14.1	3
LINE 000A	3.1	1.7	1
LINE 000B	3.6	2.0	<1
LINE 000C	3.5	1.9	<1
LINE 000D	3.8	2.1	1
LINE 000E	3.7	2.0	<1
LINE 000F	3.5	1.9	1
LINE 000G	3.6	2.0	1
LINE 000H	3.8	2.1	<1
LINE 000I	4.0	2.2	1
LINE 000J	3.7	2.0	1
LINE 000K	3.4	1.9	<1
LINE 000L	4.1	2.2	1
LINE 000M	4.2	2.3	<1
LINE 000N	3.6	2.0	<1
LINE 000O	4.5	2.5	1
LINE 000R	3.9	2.1	<1
LINE 000T	3.8	2.1	<1
LINE 000P	4.9	2.7	1
LINE 000S	4.3	2.4	<1
LINE 000Q	3.9	2.1	1
LINE 0033	20.4	11.1	4
LINE 0034	13.3	7.2	3
LINE 0035	31.5	17.1	7
LINE 0036	11.5	6.2	1
LINE 0037	155.1	84.3	4
LINE 0038	14.4	7.8	2
LINE 0039	3.2	1.8	<1
LINE 0040	16.4	8.9	2
LINE 0041	2.9	1.6	<1
LINE 0042	19.4	10.6	2
LINE 0043	2.8	1.5	1
LINE 0044	25.8	14.0	3
LINE 0045	2.7	1.4	<1
LINE 0046	26.3	14.3	3
LINE 0047	1.6	.9	<1
LINE 0048	24.1	13.1	2
LINE 002A	3.5	1.9	<1
LINE 002B	3.6	1.9	<1
LINE 002C	3.8	2.1	<1
LINE 002D	3.6	2.0	1
LINE 002E	4.0	2.1	<1
LINE 002F	4.3	2.3	1
LINE 002G	4.0	2.2	<1
LINE 002H	4.4	2.4	1
LINE 002I	4.3	2.3	1
LINE 002J	4.4	2.4	<1
LINE 002K	4.2	2.3	1

	KILOMETERS	NAUTICAL MILES	HOURS
LINE 002L	3.6	1.9	<1
LINE 002M	3.6	1.9	<1
LINE 002N	3.4	1.9	1
LINE 002O	3.3	1.8	<1
LINE 002P	3.4	1.9	1
LINE 002Q	3.6	2.0	<1
LINE 002R	3.6	2.0	<1
LINE 002S	3.7	2.0	1
LINE 002T	3.6	1.9	<1
LINE 003A	3.6	2.0	<1
LINE 003B	3.5	1.9	1
LINE 003C	3.4	1.9	<1
LINE 003D	3.5	1.9	1
LINE 003E	3.4	1.9	<1
LINE 003F	4.1	2.2	<1
LINE 003G	3.7	2.0	1
LINE 003H	3.6	2.0	<1
LINE 003I	3.6	2.0	1
LINE 003J	3.6	2.0	<1
LINE 003K	3.7	2.0	1
LINE 003L	3.7	2.0	<1
LINE 003M	3.6	2.0	<1
LINE 003N	3.2	1.7	1
LINE 003O	3.6	2.0	<1
LINE 003P	4.3	2.3	1
LINE 003Q	3.5	1.9	1
LINE 003R	4.3	2.3	<1
LINE 003S	3.5	1.9	1
LINE 003T	3.4	1.8	<1
LINE 004A	7.8	4.2	1
LINE 004B	6.6	3.6	1
LINE 004C	6.2	3.3	1
LINE 004D	6.9	3.7	<1
LINE 004E	7.0	3.8	<1
LINE 004F	6.1	3.3	<1
LINE 004G	6.1	3.3	1
LINE 004H	6.2	3.4	1
LINE 004I	6.0	3.3	1
LINE 004J	6.2	3.4	1
LINE 004K	6.0	3.3	<1
LINE 004L	6.0	3.3	<1
LINE 004M	6.1	3.3	1
LINE 004N	6.2	3.4	1
LINE 004O	6.1	3.3	1
LINE 004P	6.0	3.3	1
LINE 004Q	6.1	3.3	1
LINE 004R	6.1	3.3	1
LINE 004S	6.1	3.3	1
LINE 004T	6.5	3.5	1
LINE 005A	9.6	5.2	1
LINE 005B	8.8	4.8	1
LINE 005C	11.5	6.2	1
LINE 005D	8.9	4.8	1
LINE 005E	9.1	5.0	1
LINE 005F	25.0	13.6	2
LINE 005G	9.8	5.3	1

	KILOMETERS	NAUTICAL MILES	HOURS
LINE 005H	8.7	4.7	1
LINE 005I	243.6	132.4	1
LINE 005J	8.6	4.7	<1
LINE 005K	8.5	4.6	1
LINE 005L	6.5	3.5	1
LINE 005M	8.5	4.6	1
LINE 005N	8.5	4.6	1
LINE 005O	9.3	5.1	1
LINE 005P	8.6	4.7	1
LINE 005Q	8.8	4.8	1
LINE 005R	8.6	4.7	1
LINE 005S	8.7	4.7	1
LINE 005T	9.1	4.9	1
LINE 006A	9.1	4.9	1
LINE 006B	9.4	5.1	1
LINE 006C	8.8	4.8	1
LINE 006D	9.1	5.0	1
LINE 005E			<1
LINE 006E			<1
LINE 006F	9.1	5.0	1
LINE 006G	9.5	5.2	1
LINE 006H	9.5	5.2	1
LINE 006I	9.2	5.0	1
LINE 006J	8.6	4.7	1
LINE 006K	8.7	4.7	<1
LINE 006L	8.7	4.7	1
LINE 006M	8.7	4.7	1
LINE 006N	8.6	4.7	1
LINE 006O	8.7	4.7	1
LINE 006P	8.7	4.7	1
LINE 006Q	8.8	4.8	1
LINE 006R	8.7	4.7	1
LINE 006S	8.6	4.7	1
LINE 006T	11.9	6.5	1
LINE 007A	8.7	4.7	1
LINE 007B	9.3	5.0	1
LINE 007C	9.1	4.9	1
LINE 007D	8.4	4.6	1
LINE 007E	8.8	4.8	1
LINE 007F	8.6	4.7	<1
LINE 007G	9.0	4.9	1
LINE 007H	8.9	4.8	1
LINE 007I	9.0	4.9	1
LINE 007J	8.7	4.7	1
LINE 007K	8.8	4.8	1
LINE 007L	8.7	4.7	1
LINE 007M	3.3	1.8	<1
LINE 007N	8.6	4.7	1
LINE 007O	8.8	4.8	1
LINE 007P	8.6	4.7	1
LINE 007Q	8.8	4.8	1
LINE 007R	8.7	4.8	1
LINE 007S	8.6	4.7	<1
LINE 007T	9.2	5.0	1
LINE 008A	6.4	3.5	1
LINE 008B	6.2	3.4	1

	KILOMETERS	NAUTICAL MILES	HOURS
LINE 008C	6.8	3.7	<1
LINE 008D	6.1	3.3	<1
LINE 008E	6.6	3.6	1
LINE 008F	6.4	3.5	1
LINE 008G	6.2	3.4	1
LINE 008H	6.3	3.4	1
LINE 008I	6.5	3.5	<1
LINE 008J	6.3	3.4	<1
LINE 008K	6.5	3.5	1
LINE 008L	6.5	3.5	1
LINE 008M	6.4	3.5	1
LINE 008N	6.3	3.4	1
LINE 008O	6.1	3.3	1
LINE 008P	94.0	51.1	<1
LINE 008Q	6.2	3.4	<1
LINE 008R	6.2	3.4	<1
LINE 008S	6.2	3.3	1
LINE 008T	6.1	3.3	1

TOTAL NUMBER OF TRACKLINES RUN = 182

TOTAL NUMBER OF HOURS RUNNING TRACKLINES = 157

UNDERWAY AND GEOPHYSICAL DATA COLLECTION:

DATA OR CATEGORY	KILOMETERS	NAUTICAL MILES	TIME IN HOURS	NUMBER OF ROLLS/REELS
TRACKLINE	1902.0	1033.7	157	
BOOMER	1903.0	1034.2	159	5
3.5KH BATHYMETRY	1908.0	1037.0	133	4
SHIPBOARD GRAVTY	2641.0	1435.3	745	12
HUNTEC DEEP TOW SIDE SCAN	1905.0	1035.3	352	118
SIDE SCAN SONAR	326.0	177.2	50	42
2 CHANNEL AIRGUN	59.0	32.1	34	7

GEOLOGICAL / HYDROLOGICAL SAMPLING:

DATA CATEGORY = GEOLOGIC
SYSTEM = SEAFLOOR GRAB

	STATION ID
SOUTAR GRAB SAMPLE ID = G33	01
SOUTAR GRAB SAMPLE ID = G34	02
SOUTAR GRAB SAMPLE ID = G35	03
SOUTAR GRAB SAMPLE ID = G36	04
SOUTAR GRAB SAMPLE ID = G37	05
SOUTAR GRAB SAMPLE ID = G38	06
SOUTAR GRAB SAMPLE ID = G32	07
SOUTAR GRAB SAMPLE ID = G31	08
SOUTAR GRAB SAMPLE ID = G30	09
SOUTAR GRAB SAMPLE ID = G29	10
SOUTAR GRAB SAMPLE ID = G28	11
SOUTAR GRAB SAMPLE ID = G27	12
SOUTAR GRAB SAMPLE ID = G26	13
SOUTAR GRAB SAMPLE ID = G25	14
SOUTAR GRAB SAMPLE ID = G20	15
SOUTAR GRAB SAMPLE ID = G19	16
SOUTAR GRAB SAMPLE ID = G18	17
SOUTAR GRAB SAMPLE ID = G17	18
SOUTAR GRAB SAMPLE ID = G12	19
SOUTAR GRAB SAMPLE ID = G11	20
SOUTAR GRAB SAMPLE ID = G10	21
SOUTAR GRAB SAMPLE ID = G9	22
SOUTAR GRAB SAMPLE ID = G1	23
SOUTAR GRAB SAMPLE ID = G2	24
SOUTAR GRAB SAMPLE ID = G3	25
SOUTAR GRAB SAMPLE ID = G4	26
SOUTAR GRAB SAMPLE ID = G5	27
SOUTAR GRAB SAMPLE ID = G6	28
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SOUTAR GRAB SAMPLE ID = G13	34
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SOUTAR GRAB SAMPLE ID = G46	39
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SOUTAR GRAB SAMPLE ID = G42	43
SOUTAR GRAB SAMPLE ID = G41	44
SOUTAR GRAB SAMPLE ID = G40	45
SOUTAR GRAB SAMPLE ID = G39	46
SOUTAR GRAB SAMPLE ID = M1	47
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SOUTAR GRAB SAMPLE ID = M5	51
SOUTAR GRAB SAMPLE ID = M6	52

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SOUTAR GRAB SAMPLE ID = M14	60
SOUTAR GRAB SAMPLE ID = M15	61
SOUTAR GRAB SAMPLE ID = M16	62
SOUTAR GRAB SAMPLE ID = M17	63
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SOUTAR GRAB SAMPLE ID = M20	66
SOUTAR GRAB SAMPLE ID = M21	67
SOUTAR GRAB SAMPLE ID = M22	68
SOUTAR GRAB SAMPLE ID = G47	69
SOUTAR GRAB SAMPLE ID = G48	70
SOUTAR GRAB SAMPLE ID = G50	72
SOUTAR GRAB SAMPLE ID = G51	73
SOUTAR GRAB SAMPLE ID = G52	74
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SOUTAR GRAB SAMPLE ID = G61	76
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