

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

(Issued October 1983)

BENTHIC EXPEDITION

LEG 1

San Diego, California (4 October 1983)
to
Honolulu, Hawaii (26 October 1983)

R/V Melville

Chief Scientist - H. Craig (SIO)

Resident Marine Tech - R. Comer

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

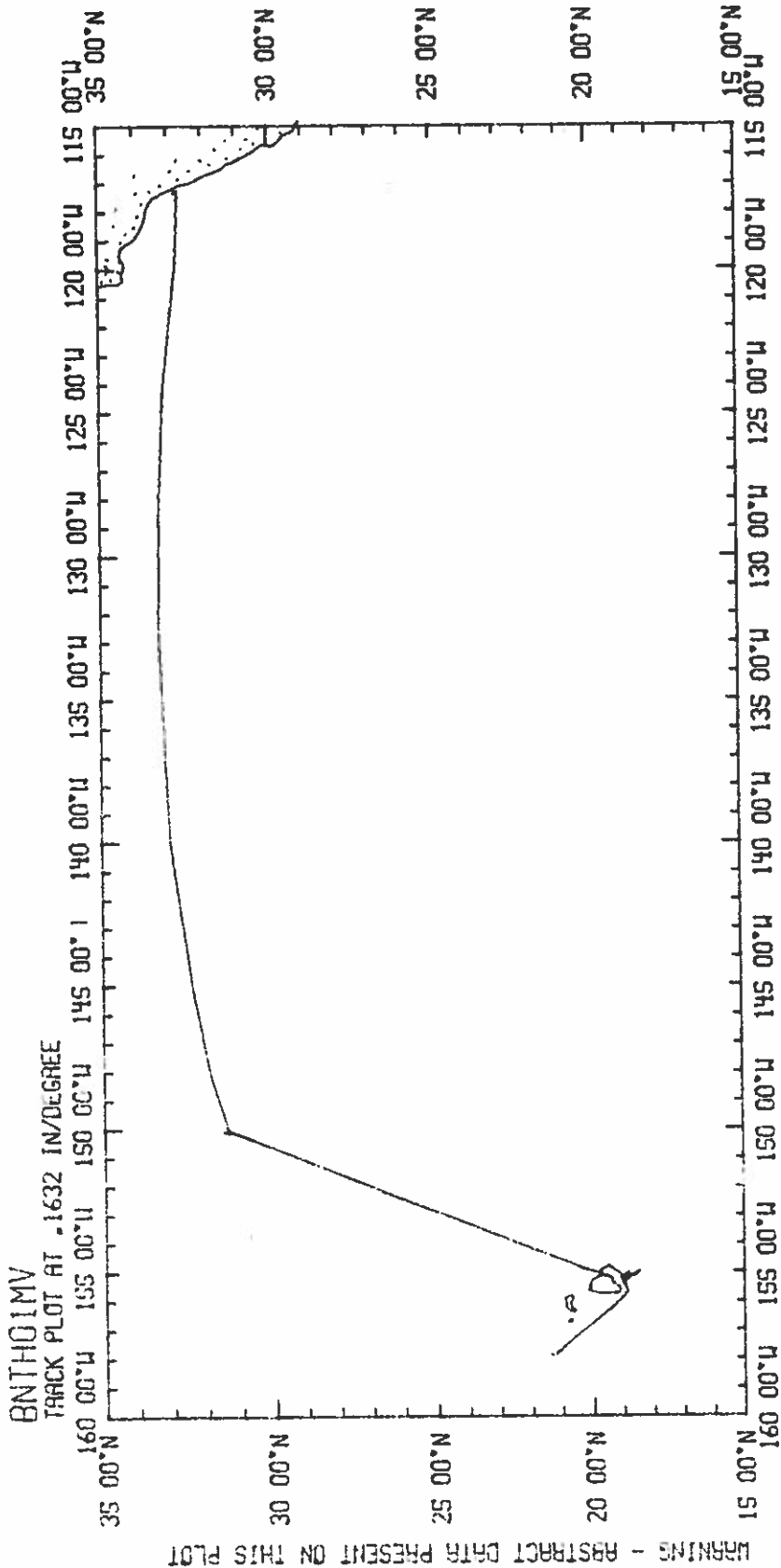
Data Collection Funded by NSF
Grant Number NSF-OCE80-24472
Data Processing funded by SIA and NSF

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.# - 204

* Only navigation and Sample Index included in this report.



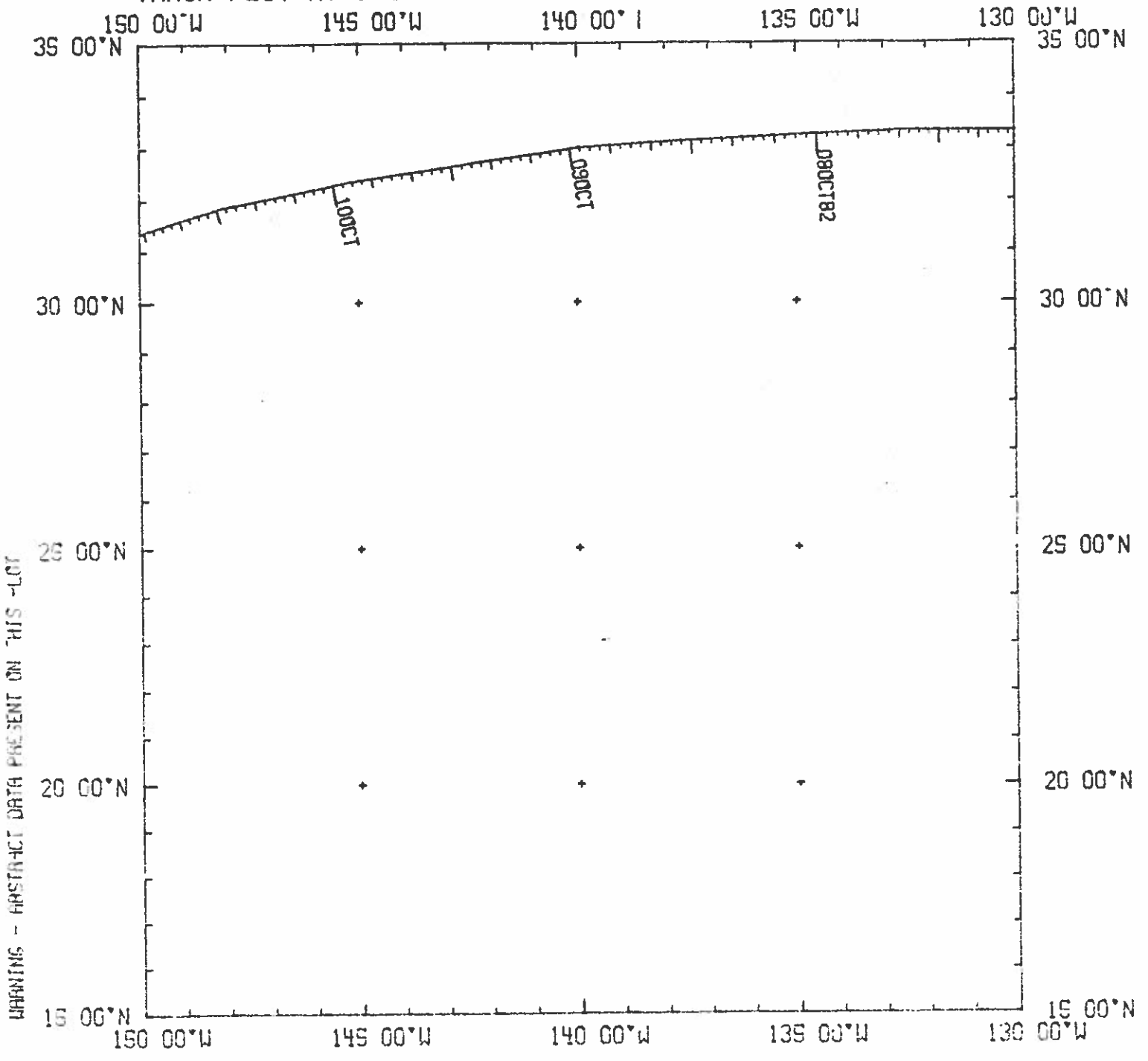
BENTHIC EXPEDITION
 LEG 1

CHIEF SCIENTIST- H. Craig
 Ports: San Diego - Honolulu, Hawaii
 Dates: 4 - 26 October 1982
 Ship: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 3189 miles
- 2) Bathymetry - collected but not processed
- 3) Magnetics - collected but not processed
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected
- 6) Seabeam - 1350 miles

BNTH01MV (PLOT 2 OF 3)
TRACK PLOT AT .312 IN/DEGREE



S.I.O. Sample Index
(Issued October 1983)

BENTHIC EXPEDITION

Leg 1

San Diego, Calif. (4 October 1982)
to
Honolulu, Hawaii (26 October 1982)

R/V Melville

Chief Scientist - H. Craig

Resident Marine Tech - R. Comer

Post-Cruise Processing and Report Preparation
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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 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 cards. 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.)

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

DISP	TYPE							TOTAL
	UP	DR	GC	HC	MG	PE		
GCK	1		4				1	4
GDC	1	3			2		1	5
GRD	1		28	14		3	1	45
MTG	1					1	1	1
NDA	1					1	1	1
SCG	1					1	1	1
TOTAL	1	3	4	28	14	2	6	57

SAMPLE 'TYPE' CODES USED ABOVE

DP = DEPTH
 DR = DREDGE
 GC = GEOCHEMICAL SAMPLING
 HC = HYDROGRAPHIC CAST
 MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
 PE = PERSONNEL IN SCIENTIFIC PARTY

SAMPLE 'DISP' CODES USED ABOVE

GCK = GEOLOGICAL CURATING FACILITY -- W. RIEDEL, (EXT. 4386)
 GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
 GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
 MTG = MARINE TECHNOLOGY GROUP (EXT. 4194)
 NDA = NATIONAL OCEANOGR. + ATMOSP. ADMINISTRATION
 SCG = SHIPBOARD COMPUTER GROUP (EXT. 4195)

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GMT D /M /Y TIME DATE	LOC LOC TIME TZ	CODE SAMP	SAMPL F IDENT.	CODE DISP	LAT	LONG.	LEG-SHIP CRUISE
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*** UNDERWAY DATA CURATOR - STUART M. SMITH EXT. 2752 ***

*** FATHOGRAMS ***

1950	4/10/82	DPRT B	12KHZ EDD R-01 (5S)	GDC 32	38.0N	117 32.3W	S BNTH01MV
0430	5/10/82	DPRT F	12KHZ EDD R-01 (5S)	GDC 32	42.5N	119 28.4W	S BNTH01MV
0442	5/10/82	DPRT B	12KHZ EDD R-02 (5S)	GDC 32	42.5N	119 31.0W	S BNTH01MV
2307	19/10/82	DPRT E	12KHZ FDD R-02 (5S)	GDC 22	43.4N	153 52.6W	S BNTH01MV
2314	19/10/82	DPRT B	12KHZ EDD R-03(1-2S)	GDC 22	42.2N	153 53.2W	S BNTH01MV
2003	25/10/82	DPRT E	12KHZ EDD R-03(1-2S)	GDC 18	59.2N	155 16.2W	S BNTH01MV

*** MAGNETOMETER ***

2136	5/10/82	MGRA B	MAGNETICS R-01	GDC 33	03.7N	123 07.2W	S BNTH01MV
0412	10/10/82	MGRA E	MAGNETICS R-01	GDC 32	08.4N	146 30.4W	S BNTH01MV
0421	10/10/82	MGRA B	MAGNETICS R-02	GDC 32	08.1N	146 32.5W	S BNTH01MV
1355	20/10/82	MGRA E	MAGNETICS R-02	GDC 20	12.8N	154 55.1W	S BNTH01MV

*** DREDGE *** CURATOR WM. RIEDEL (EXT. 3360)

0610	23/10/82	DRRO	ROCK DREDGE 1 1116M	GCR 18	56.2N	155 14.8W	S BNTH01MV
0648	24/10/82	DRRO	ROCK DREDGE 2 1156M	GCR 18	54.3N	155 14.6W	S BNTH01MV
0006	25/10/82	DRRO	ROCK DREDGE 3 1008M	GCR 18	55.4N	155 15.1W	S BNTH01MV
1858	25/10/82	DRRO	ROCK DREDGE 4 1769M	GCR 18	58.9N	155 16.6W	S BNTH01MV

*** GEOCHEMICAL STATION - LARGE VOLUME ***

2225	10/10/82	GCLV	GERARD CAST 1 ST.204	GRD 31	22.8N	149 59.6W	S BNTH01MV
2225	10/10/82	GCLV	CAST 1 4BTLS. 225M	GRD 31	22.8N	149 59.6W	S BNTH01MV
0436	11/10/82	GCLV	GERARD CAST 2 ST.204	GRD 31	21.4N	150 01.9W	S BNTH01MV
0436	11/10/82	GCLV	CAST 2 4BTLS. 225M	GRD 31	21.4N	150 01.9W	S BNTH01MV
1921	11/10/82	GCLV	GERARD CAST 3 ST.204	GRD 31	21.7N	150 03.2W	S BNTH01MV
1921	11/10/82	GCLV	CAST 3 4BTLS. 1069	GRD 31	21.7N	150 03.2W	S BNTH01MV
2323	11/10/82	GCLV	GERARD CAST 4 ST.204	GRD 31	23.7N	150 01.9W	S BNTH01MV
2323	11/10/82	GCLV	CAST 4 4BTLS. 1085	GRD 31	23.7N	150 01.9W	S BNTH01MV
1927	12/10/82	GCLV	GERARD CAST 5 ST.204	GRD 31	22.2N	150 00.6W	S BNTH01MV
1927	12/10/82	GCLV	CAST 5 4BTLS. 3540M	GRD 31	22.2N	150 00.6W	S BNTH01MV
0054	13/10/82	GCLV	GERARD CAST 6 ST.204	GRD 31	22.0N	150 00.5W	S BNTH01MV
0054	13/10/82	GCLV	CAST 6 4BTLS. 3540M	GRD 31	22.0N	150 00.5W	S BNTH01MV
1755	13/10/82	GCLV	GERARD CAST 7 ST.204	GRD 31	21.9N	150 03.1W	S BNTH01MV
1755	13/10/82	GCLV	CAST 7 4BTLS. 7557	GRD 31	21.9N	150 03.1W	S BNTH01MV
2225	13/10/82	GCLV	GERARD CAST 8 ST.204	GRD 31	21.1N	150 02.6W	S BNTH01MV
2225	13/10/82	GCLV	CAST 8 4BTLS. 7557	GRD 31	21.1N	150 02.6W	S BNTH01MV