INFORMAL REPORT AND INDEX OF

NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA *

(Issued October 1983)

BENTHIC EXPEDITION

LEG 2

Honolulu, Hawaii (30 October 1982) to Honolulu, Hawaii (28 November 1982)

R/V Melville

Chief Scientist - K. Smith (SIO)

Resident Marine Tech - R. Wilson

Post-Cruise Processing end 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 Cceanography, La Jolla, California 92093.

GDC Cruise I.D.# - 204

* Only navigation and Sample Index included in this report.

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

Contents:

- Index Chart gives track of cruise leg, dates, ports, and mileage of each type of data collected.
- Track Charts annotated with dates (day/month) and hour ticks. The scale is .312 in/degree longitude.
- Profiles depth and megnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (greater than 30 degrees) are annotated. Sections of track having subbottom profiler (sirgun) records have a wide black line along the bottom of the profile. Sections having Sea Beam are indicated by a narrow line.
- Sample Index list of beginning and end times and positions of all underway records as well as all other samples (geology, biology, physical oceanography, etc.) collected on the cruise leg.

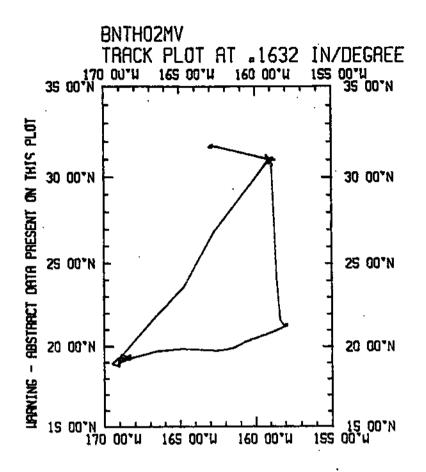
For information on the availability and reproduction costs of data in the following forms, contact S. M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093. Phone (714) 452-2752.

- 1. Navigation listing of times and positions of course and speed changes, fixes and drift velocity.
- Depth Compilation Plots Compilation plots at the traditional scale of 4"/degree longitude (1:1,000,000) are no longer produced for Sea Beam cruises. Custom plots may be requested of vertical beam (282/3 degree beam width) depths retrieved at one minute intervals of ship time.
- 3. Plots of magnetic anomaly profiles along track map scale = 1.2inch/degree, anomaly scale between 15N and 15 S latitude = 500 gamma/inch, anomaly scale north of 15N and south of 15S = 1000 gamma/inch, from values retrieved at approximately 1 mile spacing and regional field removed using the 1980 IGRF.
- 4. Separate time series files of navigation, depth and magnetics of data merged in the NGD77 Exchange format on magnetic tape.
- 5. Microfilm or Xerox copies of:
 - a. Echosounder records 12 and 3.5 kHz frequency
 - b. Subbottom profiler records (sirgun)
 - c. Magnetometer records
 - d. Underway data log

Rev June 1982 (Sea Beam)

* Only navigation and Sangle Index included in this report

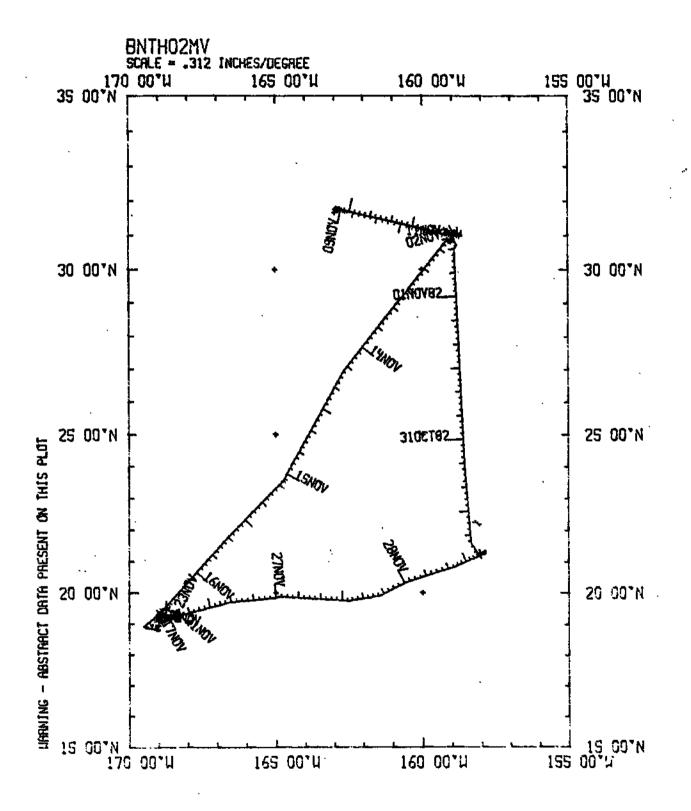
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BENTHIC EXPEDITION LEG 2

CHIEF SCIENTIST- K. Smith Forts: Honolulu - Honolulu, Hawaii Dates: 30 October - 26 November 1982 Ship: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED 1) Cruise - 3813 miles 2) Bathymetry - collected but not processed 3) Magnetics - none collected 4) Seismic Reflection - none collected 5) Gravity - none collected 6) Seabeam - none collected



S.I.O. Sample Index

(Issued October 1983)

BENTHIC EXPEDITION

Leg 2

Honolulu, Hawaii (30 October 1982) to Honolulu, Hawaii (28 November 1982)

R/V Melville

Chief Scientist - K. Smith

Resident Marine Tech - R. Wilson

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

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.)

GDC Cruise I.D.# -2C4

S.I.O. SAMPLE INDEX

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*** RENTHIC LEG 2 SAMPLE INDEX

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PRUDUCED BY GEOLOGICAL WATA CENTER.SCRIPPS INSTITUTION DF OCEAMOGRAPHY, LY JULLA, CALIFURMIA 92093

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UCS = UNIV. CALIF. SANTA BARBARA

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29SEP83 PAGE L CODE LFG-SHIP LUC LOC CODE SAMPLE IDENT. LUNG . GMT U /M /Y LAT. CRUISE TIME TZ SAMP 0159 TINE DATE 000 BENTHIC LEG > SAMPLE INDEX 00 00. 00.00. BNTH02MV 1 1 *** PURTS *** 2] 18. N 157 52. W F BNTHO2MV LGPT B HONOLULU, HAWAII 0241 30/10/87 21 18. N 157 52. W F BNTHO2MV LGPT E HUNDUILU, HAWAII 1510 28731782 ***PFRSONNEL*** 4FF IL1 /T ION * *** *** NAME *** **カカ**カ TITLE ### * ** CHIEF SCIENT(ST SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093 CAL. 92093 1 SMITH, K. RESIDENT TECH SCRIPPS INSTITUTION OF OCEAMOGRAPHY, LA JOLLA SCRIPPS INSTITUTION OF OCEAMOGRAPHY, LA JOLLA 2 WILSON, R. 3 STUBER, D. COMPUTER TECH CAL. 92093 SCRIPPS INSTITUTION (F. OCEANDGRAPHY, LA JOLLA CAL. 92093 4 PALDEIN, R. SCIENTIST SCRIPPS INSTITUTION OF OCFANOGRAPHY, LA JOLLA 5 FRUNN N. RESEARCH ASSE . CAL. 92093 SCRIPPS INSTITUTION OF DELANOGRAPHY, LA JOLLA CAL. 92093 6 EDELMAN, J. ELECTRONICS DECH. UNIV. CALIF. SANTA MARMARA UNIV. CALIF. SANTA MARMARA 7 BAILEY, T. SCIENTIST . STUDENT 8 GRUSS, J.

> CODE INDICATES NO SAMPLE UR DATA RECOVERED . A 'C' INDICATES CONTINUITION DE DATA COLLECTION EKUM REFURE THE REGIMMING OR AFTER THE END DE THIS LEG. (MOURED HOTTOM INSTRUMENTS, FOR EXAMPLE). THE NUMMER APPEARING IN THE COLUMNS BETWEEN THE SAMPLE IDENTIFIER AND THE DISPISITION CODE, FOR MARY SAN HEF ENTRIES, IS THE WATER DE PTH IN CORRECTED METERS.

	LUC CODE SAMPLE IDEN	ı т.	CODE LAT.	EP83 PAGE LUNG.	2 LEG-SHIP
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·29SEP83 PAGE 3 GAT D /M /Y FAC FUC CODE SAMPLE IDENT. CODE LAT. LU NG. LEG-SHIP TIME DATE TIME TZ SAMP DISP CRUI SE 2046 22/11/82 0733 25/11/82 MRD 19 16 ON 168 23.4% S BNTHD2MV MRD 19 16.1N 168 24.3% S BNTHD2MV TREV B TRAPS KLS155HGB 5189M TREV E TRAPS LS155 HGH 5189M 2246 23/11/82 TREV & TRAPSKLS160HG8 5186N MBD 19 17.5N 168 21.0W S BNTHO2NY TREV E TRAPS LS16 OHGB 5186M 0557 26/11/82 MAD 19 17. 3N 168 18.5W S BNTHO2MY *** MIDWATER TRAWL *** 0715 THIK A INMTOLISOOM 3/11/82 50M UCS 30 45 AN 159 03.0W S BNTHO2MV 1510 3/11/82 TMIK E IKNTOLISOON 5 OM UCS 31 00.7N 158 57.0W S BNTHOZMY TMIK B IKMTOL SOOM LOOM 0950 4/11/82 UCS 30 57.3N 159 02.9W S BMTHO2MV 1660 4/11/82 THIR E INNTOL 500M 100M UCS 3) 08.6N 159 08.1W S BNTHO2MV 0720 5211/82 TMIK B IKMTOL 2000M 200M UCS 30 48 AN 158 59.5W S RNTHO2NV 1600 5/11/82 THIK E INMIGUZUOON ZOOM UCS 31 02.9N 159 03.6W S BNTHOZMV 0535 11/11/82 TMIK & IKMTOL BOOM LOOM UCS 30 56 .2N 159 09.7W S BNTHO2MV THIK E INMICL SCOM 100M 1515 11/11/82 UCS 31 07. ON 150 48.6W S BNTHO2MV 0415 12/11/82 TMIK H IKNTOU3500M 100M UCS 31 13 .7N 159 16.0W S BNTHOZMY 0750 12/11/82 TMIK E IK MTOL 35 00M 100M UCS 31 06.6N 159 11.3W S RNTHO2MV 0800 19/11/82 TWIK H IKMTOL BOOM LOOM UCS 19 16.8N 168 18.5W S BNTHOZMV 1400 19/31/82 TMIK E IKMIDL BOCH LOOM UCS 19 13. 3N 168 29.2W S BNTHO2MV 0720 20/11/87 UCS 19 18 .8N 168 58.2W S BNTHO2MV TMIK H IKMTPL 6CON 100M 1400 20/11/82 TMIK E IKNTOL & COM 100M UCS 19 29.9N 168 51.8W S BNTHO2MV

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0615 6/11/82	TATE & BEAM TRAWL	5845M USH 31 04 .3N 158 58.9N S ANTHO 2MV
1615 6/11/82	TRTH E REAM TRAWL	5845M USB 31 04. 3N 158 46.7W S BNTHUZMV
0620 JJJ1/82	THUA & OTTER TRAWL	4000M UCS 30 59 4N 159 00.4W S BNTHO2MV
1630 1/11/82	TROA E OTTER TRAVE	4000M UKS 30 59.0N 158 38.7W S BNTHOZMV
0120 22/11/82	THTH H BEAM TRAWL	1462M UCS 19 17.3N 168 60.0W 5 8NTHO2MV
0610 22/11/82	TRTB & BEAM TRAWL	1462M UCS 19 10.5N 169 01.5N 5 BNTHO2MV
0645 22/11/82	THTH B BEAM TRAFL	1653M UCS 19 10.4N 164 01.0W S HNTHO2MV
0830 22/11/82	THTE F BEAM TRAWL	1653M UCS 19 10. IN 168 59.08 S BNTHO2MV

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GRAB SAMPLE

2220 1/11/82	GREE A GRAM INTE FALL 5841 M	MPD 30 59 00 158 58.58 S BNTHO2MV
2145 5/11/82	GREE E RESPLEMENTER	MRD 30 58.40 158 59.58 S BNTHO2MV
2314 7/11/82	GREE H CHAH WEE SALL SANON	MHD 30 58 AN 158 57.20 S RATHO2MV
2267 11/11/82	GREE E RESPIKONETER	MPD 30 58.88 158 57.80 S BATHO2MV

29 SEP83 PAGE LFG-SHIP CODE LAT. LU NG. LUC LUC SAMPLE IDENT. GET D /M /Y CODE DISP CRUISE TINE TZ SAMP TIME DATE _____ GREF B GRAB IREE FALL 1447M MRD 19 17.5N 168 59.0W S BNTHO2MV GREF E RESPIROMETER MRD 19 18.4N 169 00.6W S BNTHO2MV 2100 16/11/82 1423 197)1782 MR0 19 17 4N 168 19.8W S BNTHO2HV MBD 19 17.0N 168 18.5W S BNTHO2MV GREF 8 GRAS IREE FALL 5170 2018 20/11/82 GBEE E RESPIROMETER 1818 24/11/82 ***INYDRINGRAPHIC CAST*** MBD 30 59.1N 155 58.8W S BNTH02MV 18TL 5841M HCNI Ŧ 0048 2/11/82 MAD 30 58.7N 158 57.8W S ANTHO2MV HCEV B MINIPID KLS112P 0445 3711782 MRD 30 58 5N 155 58.3W S RNTHO2MV 68TL 5895M HCEV & TSUN 1442 3/11/87 MAU 30 59. 1N 159 00.9W S BNTHO2MV 18TL 5831M HCMI Т 5/11/87 0148 MBD 30 56 .8N 155 58.9W S BNTHO2MV 18TL 5855M HCN1 ĩ 0136 6/11/82 MAD 19 17. IN 168 58.78 S BNTHO2MV 18TL 1471M HCNI Ŧ 2153 16/11/82 MHD 19 15 .9N 169 04.6W S HNJHOZMV HCEV H MINIPUD KLSI36HG 0205 12/11/82 MHD 19 15.8N 169 03.8W S BNTHO2KV 68TL 14564 HCEV E TSUN 1750 17711782 MED 19 17.8N 168 59.8W S BNTHO2NV 18TL 1443 M HCM1 2327 21/11/82 т MPD 19 15.8N 168 23.2W S BNTHU2MV HCEV & MINIPLO KLS156HG8 2334 22/11/82 MRU 19 16.1M 168 74.3W S HNTHO2MV 68TL 5186* HCEV E TSHN 2620 23/11/82 MAD 19 16.5N 168 22.8W S ANTHO2NV 18TL 5186M HONI T 0214 23/11/82 ÷ -1 N ***CURRENT NEASURENENT*** CMAB B CURMT KLS135HG 1462M - MRO 19 17 .0N 169 01.2W S BNTHO2MV 0(-4 11/))/82 NBD 19 16.6N 168 59.9W S BNTHO2MV CMAR E KLS13 HG 1720 18/11/87 CMAR B CURNT KLS149HG 5172M MHD 19 17 .7N 166 18.8W S BNTHO2MV 2254 20/11/82 MHD 19 -17. 9N 168 18.64 5 MNTHOZMV CMAR E KLS149 HG 0015 24/11/82 WWW CAMERA WWW MAD 31 01.9N 154 01.3W S BNTHO2MV 5771 № CAFV B FREE IAMERA 002F 3711782 NHU 31 04. 3N 154 00.4W S ANTHO2MV CARV E KUSIIP 4/11787 0510 MAD 31 00 .2N 158 59.0W S BNTHOZAV CARV & FREE (AMERA 58451 2018 10/11/82 NED 31 00.0N 158 59.4. S BNTHO2MV CAEV E HOOKS KLS127P. 0411 11/11/82 ANA CURES AAA NHD 30 59 .6% 154 01.3W S HOTHO 2MV 5831 H BNTH01 COGV 7/11/82 0037 WHI 30 58. IN 150 56.38 S MATHO2MV 58704 COGV **BNTH02** 01(3)-8733785 MAD 19 18 4N 164 CO.ON S BNTHOZMV 14688 SNTH04 COGV 1+12 16/11/82 NHO 19 18. 2N 169 00.5W S PMTH02MV 1453.4 COGV BNTHOS 1412 16/11/82 MED 19 16.4N 168 18.9W S ENTHORNY 51701 COGV HNTHO-8 (4) 5 19733782

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2256 16/31/82		SEDIMENT TRAP	1475M					
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0234 21/])/82 0431 26/]1/82		SEDIMENT TRAP KESISIHGH	5172M					S HNTHOZMI
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