

INFORMAL REPORT AND INDEX OF
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA *
(Issued November 1983)

WHIG EXPEDITION (WHOI/IGPP)

LEG 1

San Diego, Calif. (27 March 1978)
to
San Diego, Calif. (15 April 1978)
R/V T. Washington

Chief Scientist - R. Spindel (WHOI)

Resident Marine Tech - R. Wilson

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

Data Collection Funded by ONR
Grant Number ONR-0749
Data Processing funded by SIA and ONR

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.# - 213

* Only navigation and Sample Index included in this report.

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

Contents:

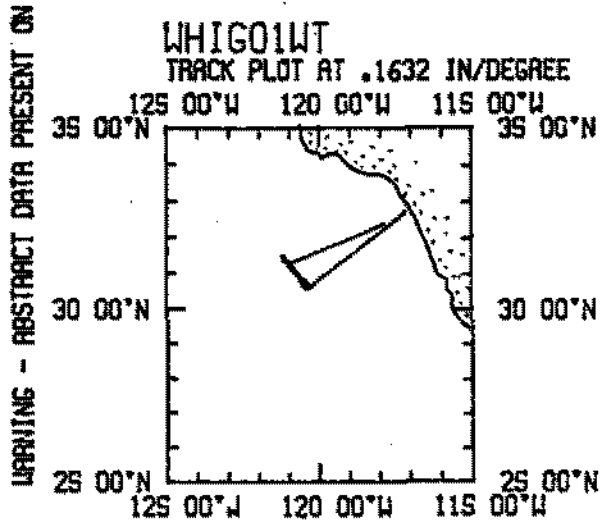
- Index Chart - gives track of cruise leg, dates, ports, and mileage of each type of data collected.
- Track Charts - annotated with dates (day/month) and hour ticks. The scale is .312 in/degree longitude.
- Profiles - depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (greater than 30 degrees) are annotated. Sections of track having subbottom profiler (airgun) 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.
2. 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 (2 $\frac{2}{3}$ 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 MGD77 Exchange format on magnetic tape.
5. Microfilm or Xerox copies of:
 - a. Echosounder records - 12 and 3.5 kHz frequency
 - b. Subbottom profiler records (airgun)
 - c. Magnetometer records
 - d. Underway data log

Rev June 1982 (Sea Beam)

* Only navigation and Sample Index included in this report.



WHIG EXPEDITION
LEG 1

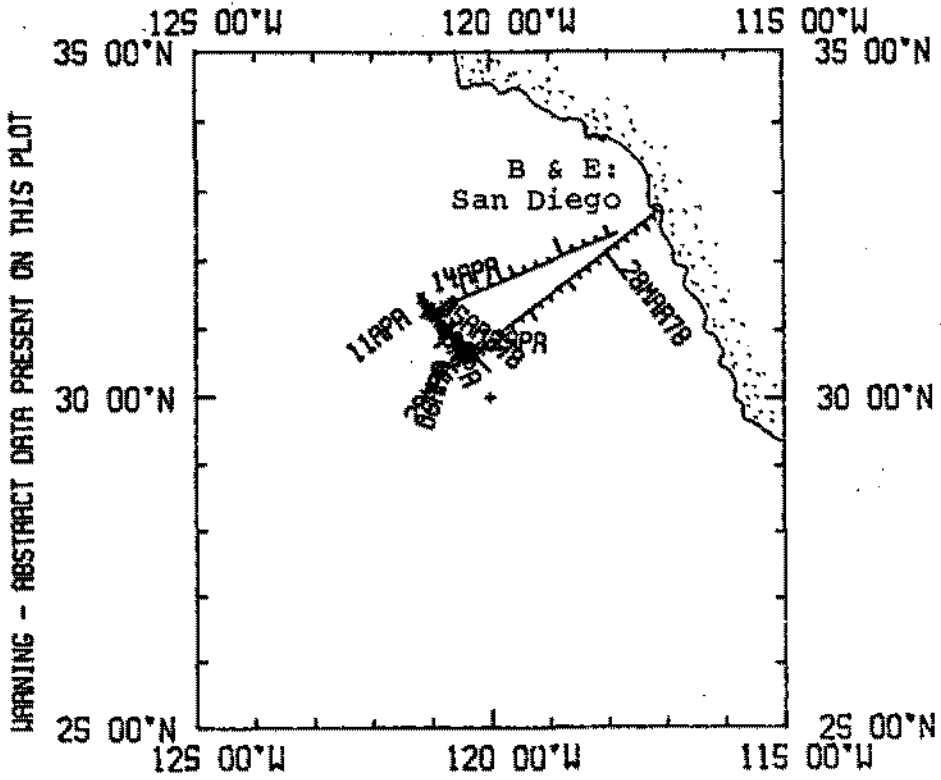
CHIEF SCIENTIST- R. Spindel (WHOI)
 Ports: San Diego - San Diego, Calif.
 Dates: 27 March - 15 April 1978
 Ship: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

- 1) Cruise - 1219 miles
- 2) Bathymetry - none collected
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected
- 5) Gravity - none collected

WHIGO1WT

TRACK PLOT AT .312 IN/DEGREE



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

WHIG EXPEDITION

Leg 1

San Diego, Calif. (27 March 1978)
to
San Diego, Calif. (15 April 1978)

R/V T. Washington

Chief Scientist - R. Spindel (WHOI)

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.)

S.I.O. SAMPLE INDEX

GENERATED 17NOV83

*** WHIG LEG 1 SAMPLE INDEX

(WHIG1WT) ***

	60E	120E	180	120W	60W	0W		
.....+.....+.....+.....+.....+.....+.....+.....+.....+								
	'X' = SHIP'S TRACK BY 5 DEGREE SQUARE							
85N							85N	
80N					0	0000	80N	
75N		0		0	00000	000000000	75N	
70N		00000000000		0000	0 00 0	00000000	70N	
65N	0000	0000000000000000000000000		0000000000000000000	00	0000	0	65N
60N	00000000000000000000000000000			0000000000000000000	00	00		60N
55N	0	000000000000000000000000	01	0	00000000	000	0	55N
50N	0000000000000000000000000000		0		000000000	0000	00	50N
45N	0000000000000000000000000000				00000000000	0		45N
40N	0 00	00	0000000000000000000		000000000000			40N
35N	0	00000000000000000000000			000000000		0	35N
30N	000	0000000000000000000			X00000000		00	30N
25N	000000000000000000000000000				0000	0	000	25N
20N	00000000	0000	0000	0	0	00	000	20N
15N	00000000	00	00	0	00	0	000	15N
10N	000000000	0	0	0	0		000	10N
5N	000000000				00000		000	5N
0N	0000000	00	00		000000		0N	
5S	000000	0	0	00	0000000		5S	
10S	00000	0	00		000000000		10S	
15S	00000		0	0	000000		15S	
20S	000000	0	00000		000000		20S	
25S	0000	0	0000000		000000		25S	
30S	00		00000000		0000		30S	
35S	00		00	000	00000		35S	
40S			00	0	000		40S	
45S			0		00		45S	
50S					00		50S	
55S					0		55S	
60S							60S	
65S							65S	
70S	00	00000000000			0		70S	
75S	00000000000000000000000000000				0	00000	0000	75S
80S	00000000000000000000000000000			0000000000000000000000000		00000000	00000000	80S
85S	00000000000000000000000000000			0000000000000000000000000		000000000000000000000000	00000000	85S
90S	00000000000000000000000000000			0000000000000000000000000		000000000000000000000000	000000000000000000000000	90S
.....+.....+.....+.....+.....+.....+.....+.....+								
	60E	120E	180	120W	60W	0W		

27MAR78 - SAN DIEGO, CALIF.
 TO
 15APR78 - SAN DIEGO, CALIF.

CHIEF SCIENTIST - SPINDEL, R. WHO

SHIP - R/V THOMAS WASHINGTON (SIO)

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
	AC	CM	PE	
IGP	1	12	1	13
MTG	1		2	2
OSU	1		1	1
SIO	1		8	8
WHO	1		10	10
TOTAL	1	12	1	21
				34

SAMPLE 'TYPE' CODES USED ABOVE

AC = ACOUSTICAL STUDIES
 CM = CURRENT MEASUREMENT
 PE = PERSONNEL IN SCIENTIFIC PARTY

SAMPLE 'DISP' CODES USED ABOVE

IGP = INSTITUTE GEOPHYSICS AND PLANETARY PHYSICS, SIO (VXT, 2870)
 MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
 OSU = OREGON STATE UNIVERSITY
 SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CAL. 92093
 WHO = WOODS HOLE OCEANOGRAPHIC INSTITUTION

17NOV83 PAGE 1

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

WHIG LEG 1 SAMPLE INDEX

WHIG01WT

*** PURTS ***

1814 27/ 3/78		LGPT B	SAN DIEGO, CALIF.	32 43. N	117 11. W	F	WHIG01WT
2015 15/ 4/78		LGPT E	SAN DIEGO, CALIF.	32 43. N	117 11. W	F	WHIG01WT

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 SPINDEL, R.	CHIEF SCIENTIST	WOODS HOLE OCEANOGRAPHIC INSTITUTION
2 WILSON, R.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3 BURKHALTER, A.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 ALTMAN, D.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 CRESSY, S.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
6 DORMER, F.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7 GLASS, G.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
8 HERNANDEZ, M.	ELECTRONICS TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
9 KUCWASKI, W.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
10 HULSMAN, W.	TECHNICIAN	OREGON STATE UNIVERSITY
11 KEMP, J.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
12 LIBKATORE, S.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
13 MUNK, W.	SCIENTISTI	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
14 OTTALINI, K.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
15 PEAL, K.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
16 ROSENBLAD, S.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
17 SIMONS, R.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
18 SMITH, E.	TECHNICIAN	WOODS HOLE OCEANOGRAPHIC INSTITUTION
19 TRUESDALE, R.	TECHNICIAN	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
20 WILLIAMS, G.	TECHNICIAN	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
21 WORCESTER, P.	TECHNICIAN	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093

NOTES AN 'X' IN THE (B)EGIN/(F)NO 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

CURRENT MEASUREMENT

0138	30 / 3 / 78		CMXX B CURRENTMETER MOORING	IGP 30	42.2N	120 24.8W	S WHIGOIWT
2017	12 / 4 / 78		CMXX E CURRENTMETER 3794M	IGP 30	42.8N	120 25.1W	S WHIGOIWT

ACOUSTIC SURVEY

0118	29 / 3 / 78		ACXX B SOUND SOURCE MOORING	IGP 30	40.0N	120 23.3W	S WHIGOIWT
2328	9 / 4 / 78		ACXX E SOUND SOURCE 3926M	IGP 30	40.3N	120 23.5W	S WHIGOIWT
0758	31 / 3 / 78		ACXX B SIO/WHOI CAP MOORING	IGP 30	38.2N	120 21.9W	S WHIGOIWT
0500	4 / 4 / 78		ACXX E SIO/WHOI MOOR 3898M	IGP 30	39.1N	120 18.2W	S WHIGOIWT
0124	1 / 4 / 78		ACXX B BEACON MOORING 1	IGP 30	40.7N	120 20.4W	S WHIGOIWT
0500	10 / 4 / 78		ACXX E BEACON MOORING 1	IGP 30	39.5N	120 20.2W	S WHIGOIWT
0339	1 / 4 / 78		ACXX B BEACON MOORING 2	IGP 30	38.0N	120 23.2W	S WHIGOIWT
0740	10 / 4 / 78		ACXX E BEACON MOORING 2	IGP 30	39.0N	120 22.7W	S WHIGOIWT
0445	2 / 4 / 78		ACXX B SIO/WHOI CAP MOORING	IGP 30	48.1N	120 30.2W	S WHIGOIWT
2204	11 / 4 / 78		ACXX E SIO/WHOI MOOR 3794M	IGP 30	49.2N	120 29.5W	S WHIGOIWT
0606	2 / 4 / 78		ACXX B BEACON MOORING	IGP 30	46.1N	120 30.1W	S WHIGOIWT
0015	12 / 4 / 78		ACXX E BEACON MOOR 3852M	IGP 30	46.7N	120 29.1W	S WHIGOIWT
0731	2 / 4 / 78		ACXX B BEACON MOORING	IGP 30	47.9N	120 27.7W	S WHIGOIWT
0326	7 / 4 / 78		ACXX E BEACON MOOR 3832M	IGP 30	47.8N	120 27.9W	S WHIGOIWT
0523	5 / 4 / 78		ACXX B BEACON MOORING 6	IGP 31	30.2N	121 12.5W	S WHIGOIWT
0205	13 / 4 / 78		ACXX E BEACON MOOR 6 3907M	IGP 30	46.2N	120 28.6W	S WHIGOIWT
0833	5 / 4 / 78		ACXX B BEACON MOORING 6.1	IGP 31	29.3N	121 13.2W	S WHIGOIWT
0453	14 / 4 / 78		ACXX E BEACON MOORING 6.1	IGP 31	28.7N	121 12.8W	S WHIGOIWT
0910	5 / 4 / 78		ACXX X BEACON MOORING 6.2	IGP 31	30.3N	121 10.9W	S WHIGOIWT
0136	7 / 4 / 78		ACXX B BEACON MOORING 4	IGP 30	46.4N	120 27.6W	S WHIGOIWT
0055	13 / 4 / 78		ACXX E BEACON MOOR 4 3832M	IGP 30	46.4N	120 28.6W	S WHIGOIWT
0225	11 / 4 / 78		ACXX B SOUND SOURCE MOORING	IGP 31	19.0N	121 04.1W	S WHIGOIWT
2250	14 / 4 / 78		ACXX E SOUND SOURCE 3973M	IGP 31	19.2N	121 03.3W	S WHIGOIWT
0348	11 / 4 / 78		ACXX B BEACON MOORING	IGP 31	17.9N	121 03.6W	S WHIGOIWT
0052	15 / 4 / 78		ACXX E BEACON MOORING	IGP 31	17.1N	121 01.8W	S WHIGOIWT

5900

END SAMPLE INDEX

WHIGOIWT