

**REPORT AND INDEX OF
UNDERWAY MARINE GEOPHYSICAL DATA**

KIWI EXPEDITION

LEG 11

(KIWI11RR)

R/V Revelle

(Issued August 1998)

Ports:

Suva, Fiji (3 May 1998)

to

Pago Pago, American Samoa (8 May 1998)

Chief Scientist:

Nancy Kanjorski, Scripps Institution
email:nkanjorski@ucsd.edu

No Resident Marine Technician on board
Dan Jacobson, Computer Technician

Post-Cruise Processing and Report Preparation by the
Geological Data Center, Scripps Institution of Oceanography
La Jolla, California 92093-0223
GDC email:gdcinfo@gdcmp1.ucsd.edu

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 92093-0223*

GDC Cruise I.D.# 276

**REPORT AND INDEX OF NAVIGATION
AND UNDERWAY GEOPHYSICAL DATA**

Processed by the Geological Data Center
Scripps Institution of Oceanography

Contents:

Index Chart - gives track of cruise leg, dates, ports, and mileage of each type of data collected.

Track Charts - annotated with dates and hour ticks.

Profiles - depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

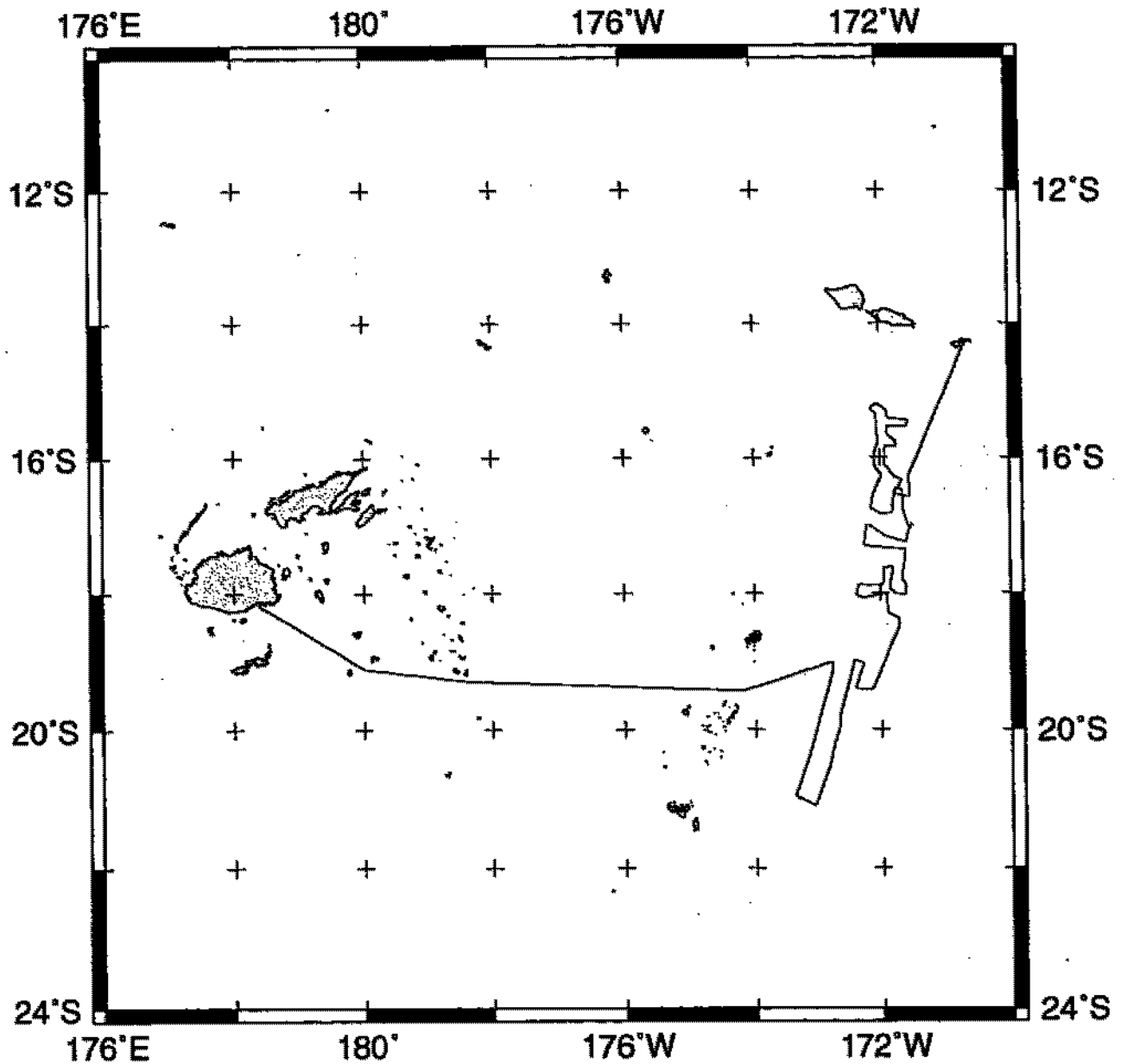
NOTE: One or more of the underway data types may not be collected on a given leg. For information on the availability and reproduction costs of data in the following forms, contact S.M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0223. Phone: (619)534-2752, FAX: (619)534-6500, Internet email: ssmith@ucsd.edu

1. Files via ftp or on 8mm (Exabyte) and 4mm (DAT) magnetic tape:
 - a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
 - b) Above data in a single merged ASCII file in the MGD77 Exchange Format.
 - c) SeaBeam depth data (binary, Sun byte order)
 - d) SeaBeam Sidescan data.

2. Microfilm (35 mm flowfilm) or hard copies of:
 - a) Underway watch log book.
 - b) SeaBeam vertical beam profile/Sidescan records.
 - c) 3.5 kHz and 12 kHz echosounder records.
 - d) Seismic reflection profiler records.

3. Navigation listing with times and positions of fixes and course and speed changes.

4. Custom plots in Mercator projection:
 - a) Track plots.
 - b) SeaBeam depth contour plots.
 - c) Depth, magnetic or gravity values printed or profiled along track.



KIWI EXPEDITION LEG 11

CHIEF SCIENTIST: Nancy Kanjorski, Scripps Institution

PORTS: Suva, Fiji - Pago Pago, American Samoa

DATES: 03 - 08 May 1998

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 1700 miles

Magnetics - 1180 miles

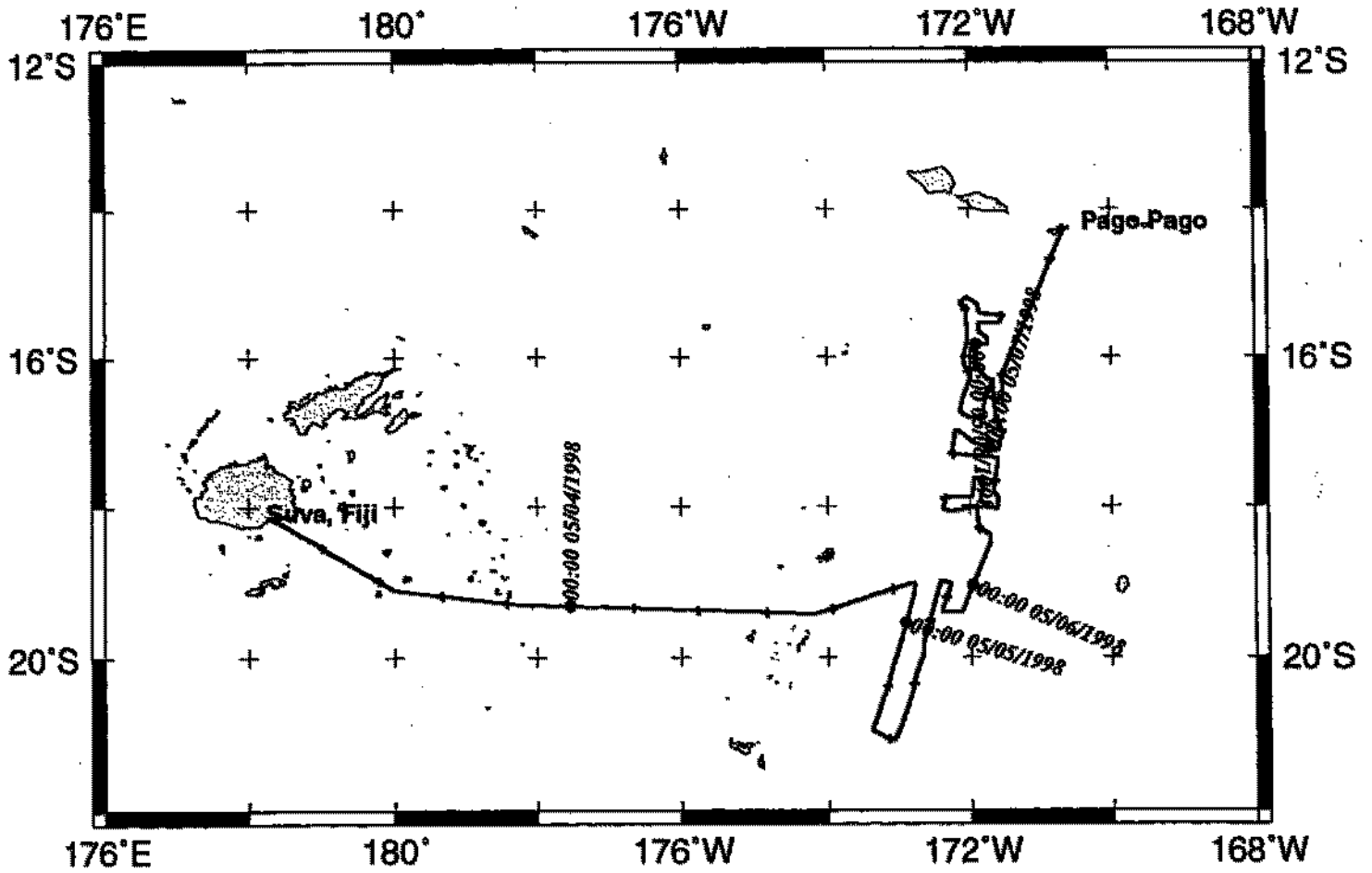
Bathymetry - 1650 miles

Seismic Reflection - 40 miles

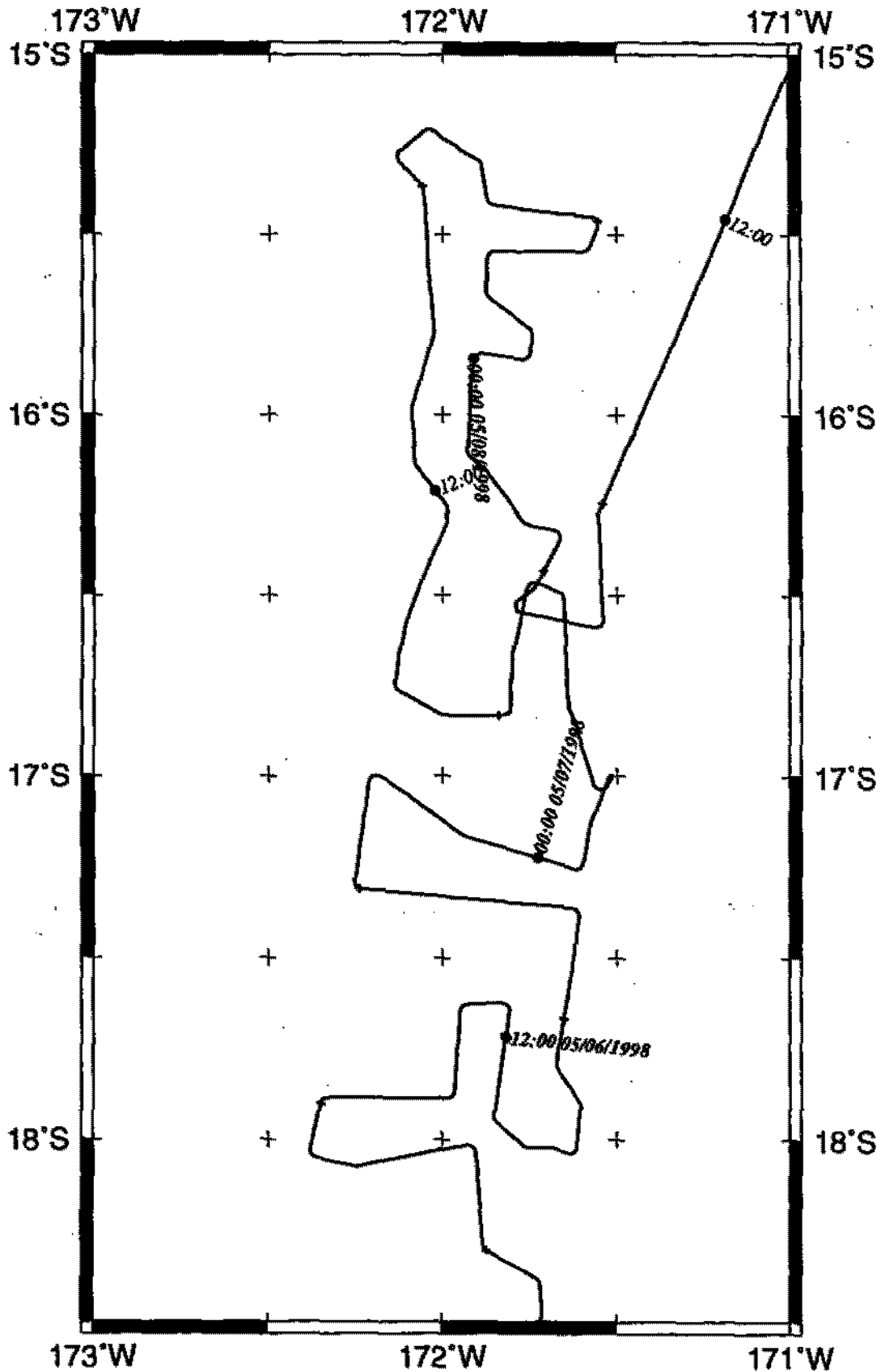
Sea Beam - 1650 miles

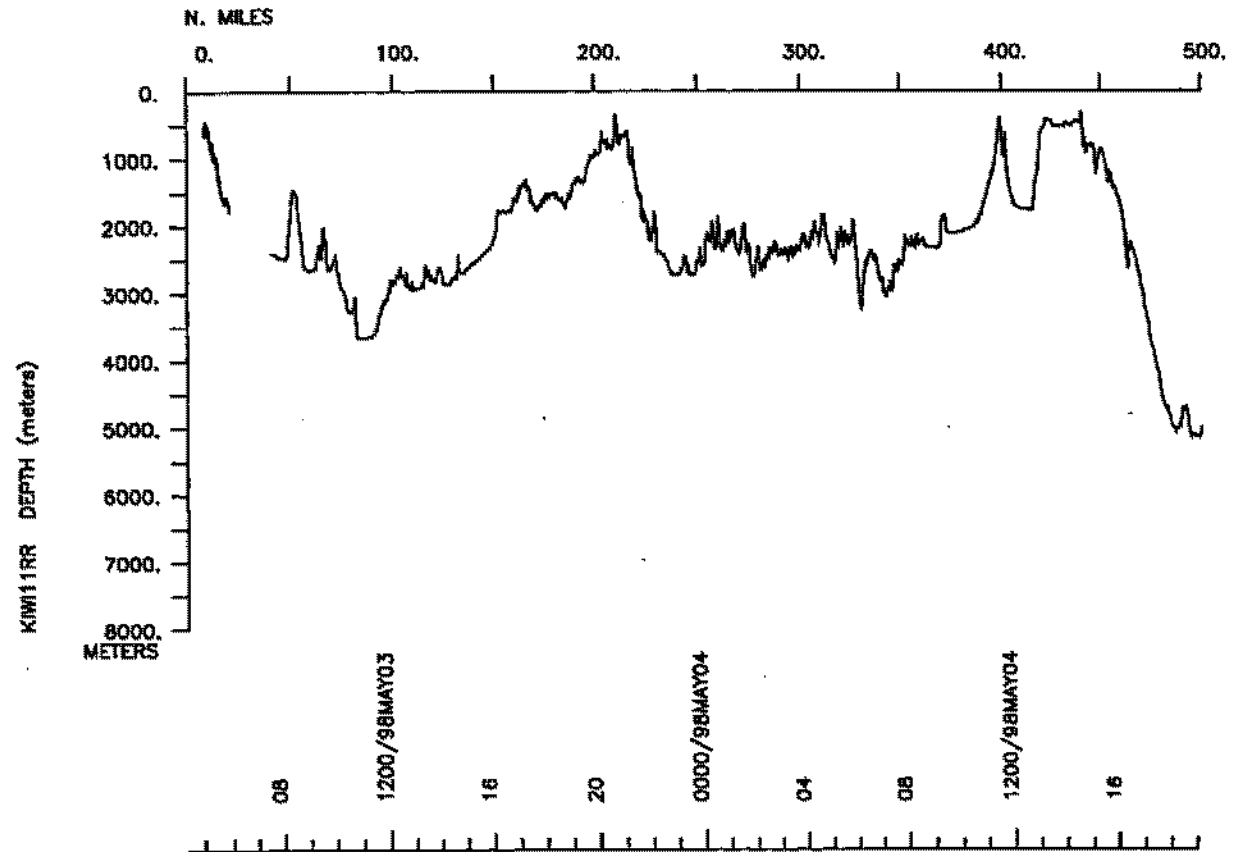
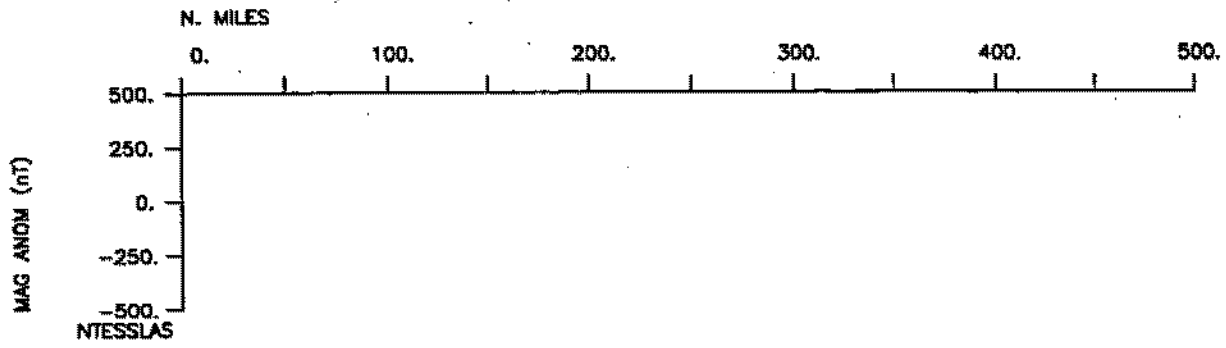
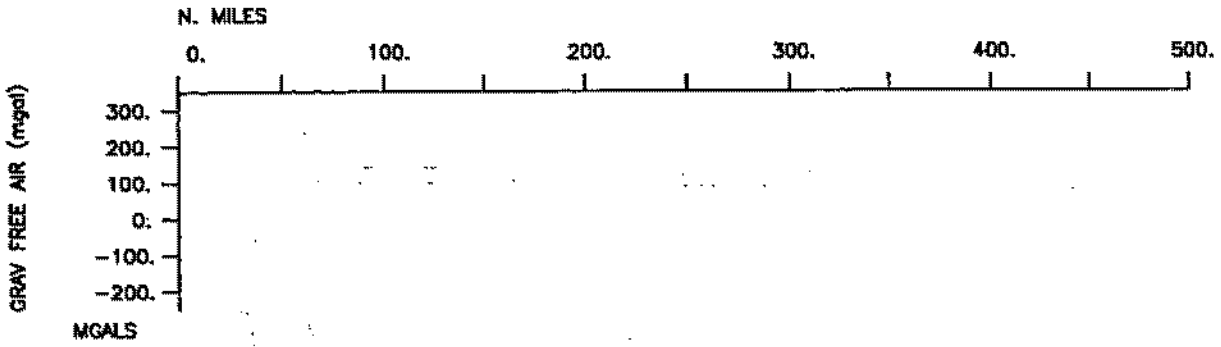
Gravity - none collected

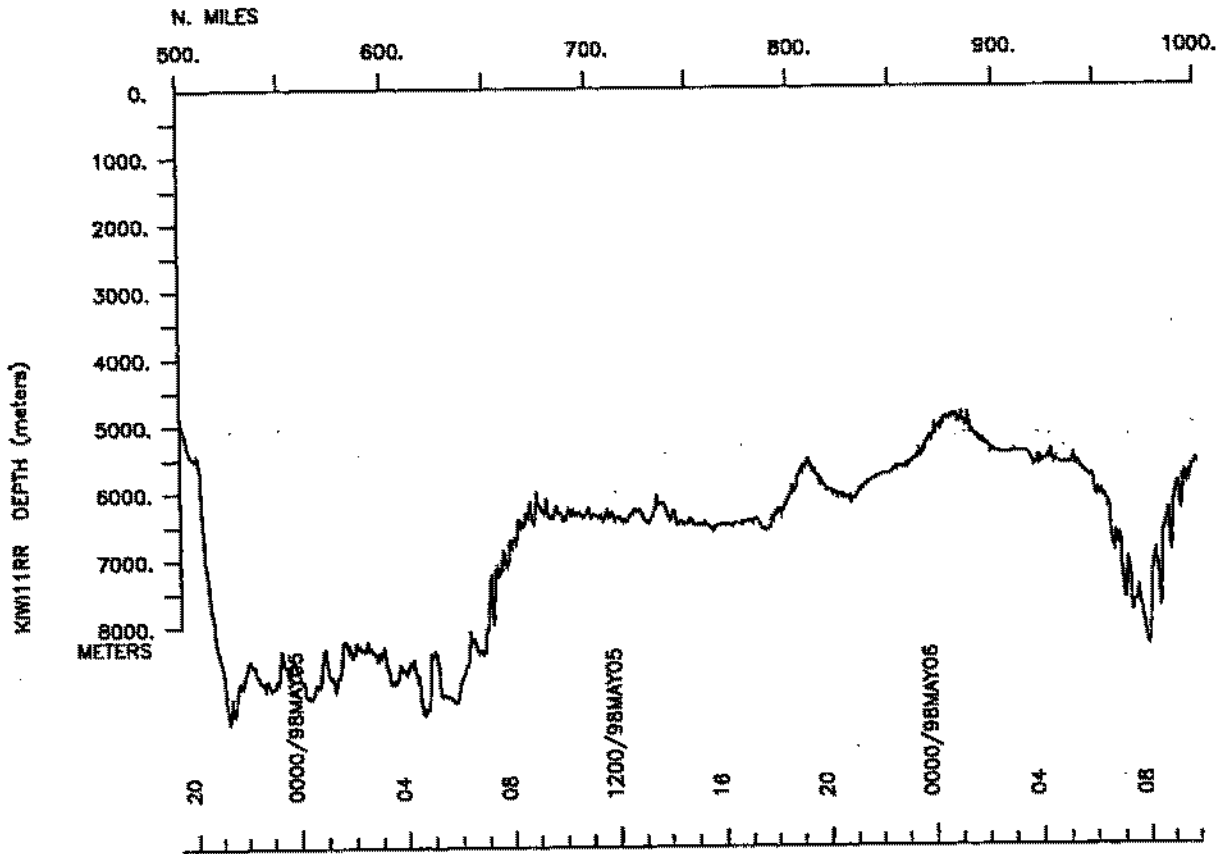
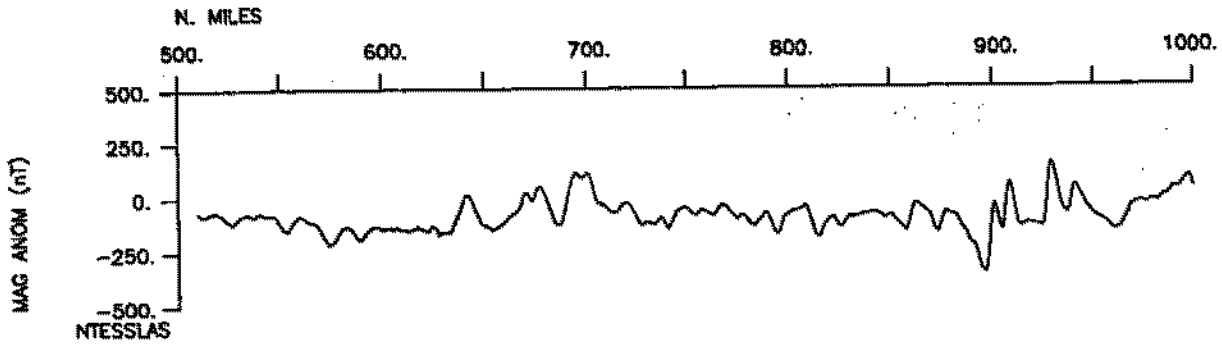
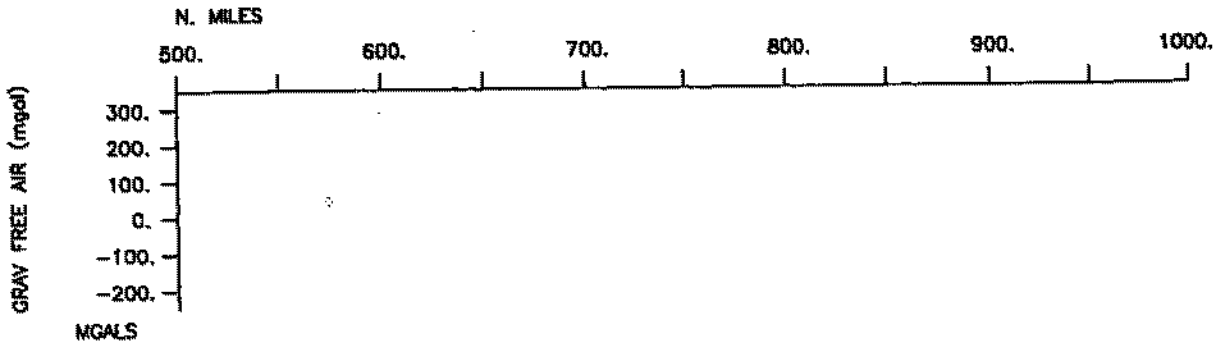
KIWI11RR Track

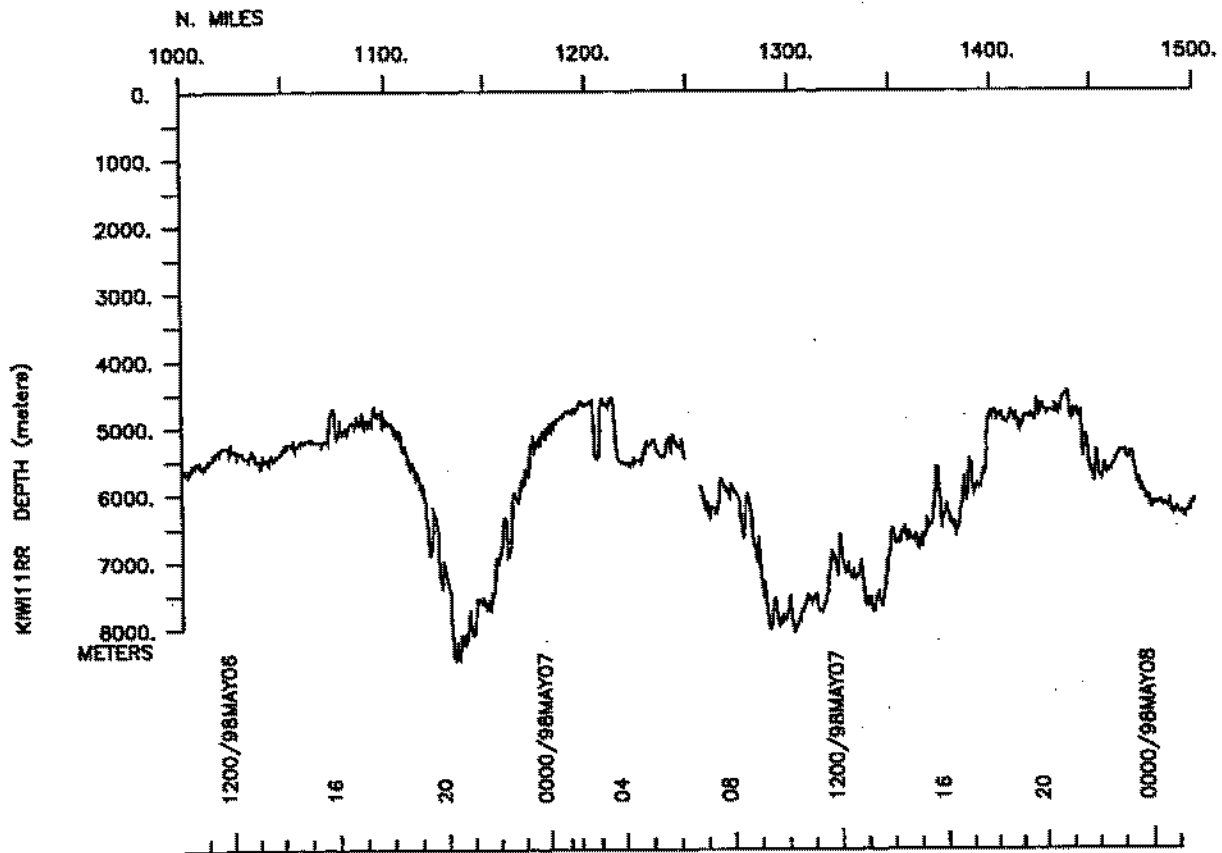
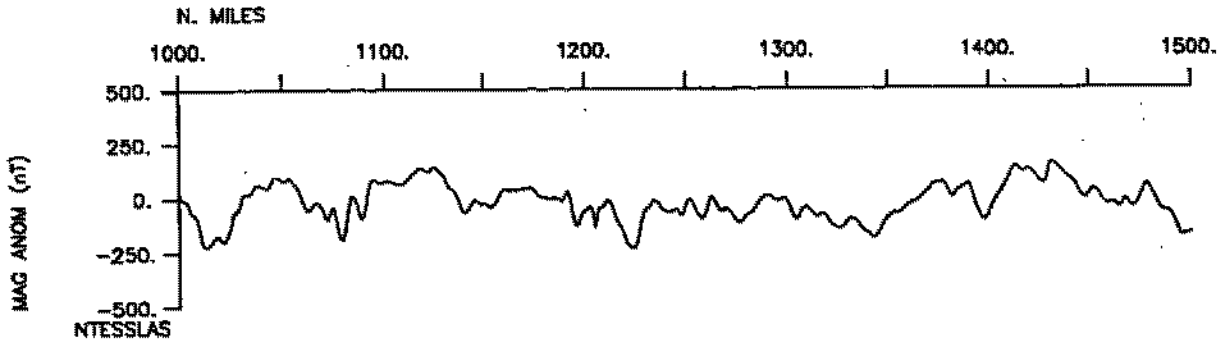
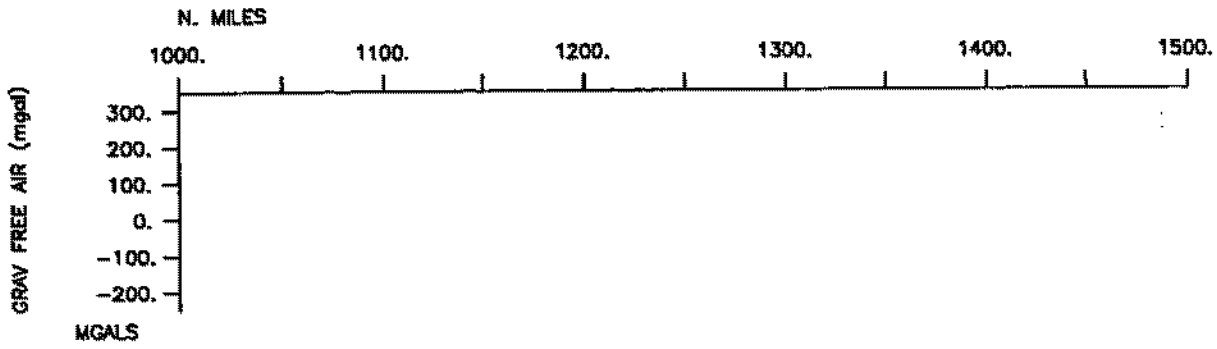


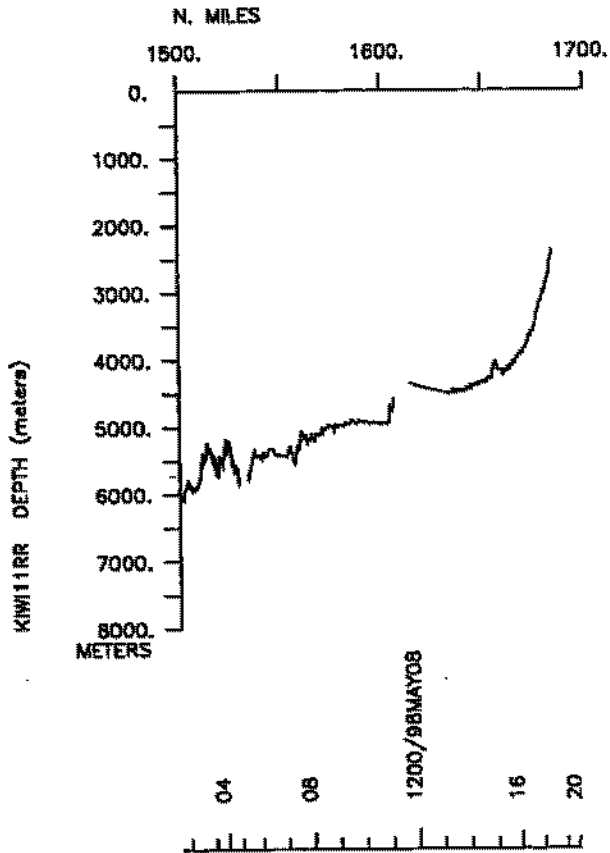
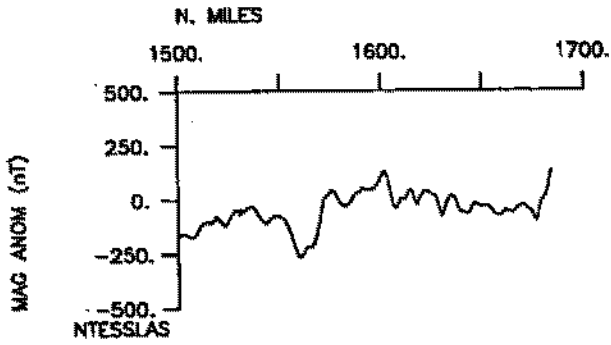
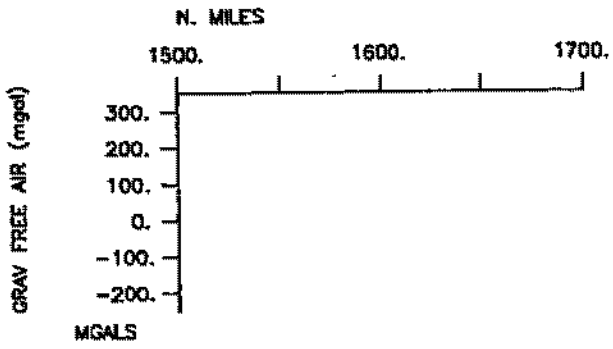
KIWI11RR Survey











S.I.O. SAMPLE INDEX

KIWI EXPEDITION

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R/V Revelle

(Issued August 1998)

Ports:

Suva, Fiji (3 May 1998)

to

Pago Pago, American Samoa (8 May 1998)

Chief Scientist:

Nancy Kanjorski (Scripps Institution)

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 marine 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 lines. 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.# 276

**** Ports ****

0400 030598 0 LGPT B Suva, Fiji 18-08.00S 178-25.00E f KIWI11RR
 1900 080598 0 LGPT E Pago Pago, Amer. Samoa 14-17.00S 170-40.00W f KIWI11RR

**** Personnel ****

#	*****NAME*****	*****TITLE*****	*****AFFILIATION****	**CRID**
PECS MPL	Kanjorski, N.	Chief scientist	Scripps Institution	KIWI11RR
PECT STS	Jacobson, D.	Computer tech	Scripps Institution	KIWI11RR
PESP MPL	Andres, M.	Scientist	Scripps Institution	KIWI11RR
PESP STS	Mogk, S.	Geophys tech	Scripps Institution	KIWI11RR
PESP SIO	Fong, K.	Scientist	Scripps Institution	KIWI11RR
PESP SIX	Aicher, J.	Scientist	Amer. Samoa Com. Col.	KIWI11RR
PESP SIX	Toliniu, T.	Student	Amer. Samoa Com. Col.	KIWI11RR
PEBO SIX	Vaiomounga, R.	Observer	Tonga	KIWI11RR

**** 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 a particular 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	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#	TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP

**** Underway Data Curator - S. M. Smith ext. 42752 ****

**** Log Books ****

0400 030598 0 LBUW B Underway watch log GDC 18-08.02S 178-25.42E g KIWI11RR
 1900 080598 0 LBUW E Underway watch log GDC 14-16.48S 170-41.04W g KIWI11RR

**** Sea Beam Records (vertical beam and side scan) ****

0210 030598 0 MBSR B v.beam&sidescan r-01 GDC 18-08.02S 178-25.42E g KIWI11RR
 1900 080598 0 MBSR E v.beam&sidescan r-01 GDC 14-16.48S 170-41.04W g KIWI11RR

**** Echo Sounder Records ****

0210 030598 0 DPR3 B PDR 3.5khz r-01 GDC 18-08.02S 178-25.42E g KIWI11RR
 1900 080598 0 DPR3 E PDR 3.5khz r-01 GDC 14-16.48S 170-41.04W g KIWI11RR
 0630 030598 0 DPRT B PDR 12 khz r-01 GDC 18-22.92S 178-42.96E g KIWI11RR
 1715 080598 0 DPRT E PDR 12 khz r-01 GDC 14-28.32S 170-44.81W g KIWI11RR

**** Seismic Reflection Records ****

0325 070598 0 SPRS B 4Sec Watergun r-01 GDC 17-00.02S 171-34.41W g KIWI11RR
 0503 070598 0 SPRS E 4Sec Watergun r-01 GDC 16-38.80S 171-38.92W g KIWI11RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				P	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP

*** Expendable Bathythermographs ***

0812	030598	0	BTXP	MK-12 XBT # 01	GDC	18-34.09S	179-02.65E	g		KIWI11RR
0905	030598	0	BTXP	MK-12 XBT # 02	GDC	18-40.22S	179-12.69E	g		KIWI11RR
0047	040598	0	BTXP	MK-12 XBT # 03	GDC	19-20.00S	177-21.89W	g		KIWI11RR
0119	040598	0	BTXP	MK-12 XBT # 04	GDC	19-20.13S	177-14.82W	g		KIWI11RR
0226	050598	0	BTXP	MK-12 XBT # 05	GDC	20-03.76S	173-03.75W	g		KIWI11RR
1919	070598	0	BTXP	MK-12 XBT # 06	GDC	15-26.28S	171-41.29W	g		KIWI11RR

End Sample Index KIWI11RR