

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

**KIWI EXPEDITION**

**LEG 10**

**(KIWI10RR)**

**R/V Revelle**

**(Issued August 1998)**

**Ports:**

**Lyttelton, New Zealand (24 March 1998)**

**to**

**Suva, Fiji (29 April 1998)**

**Chief Scientist:**

**Douglas Capone, University of Maryland  
email:capone@cbl.cees.edu**

**No 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.

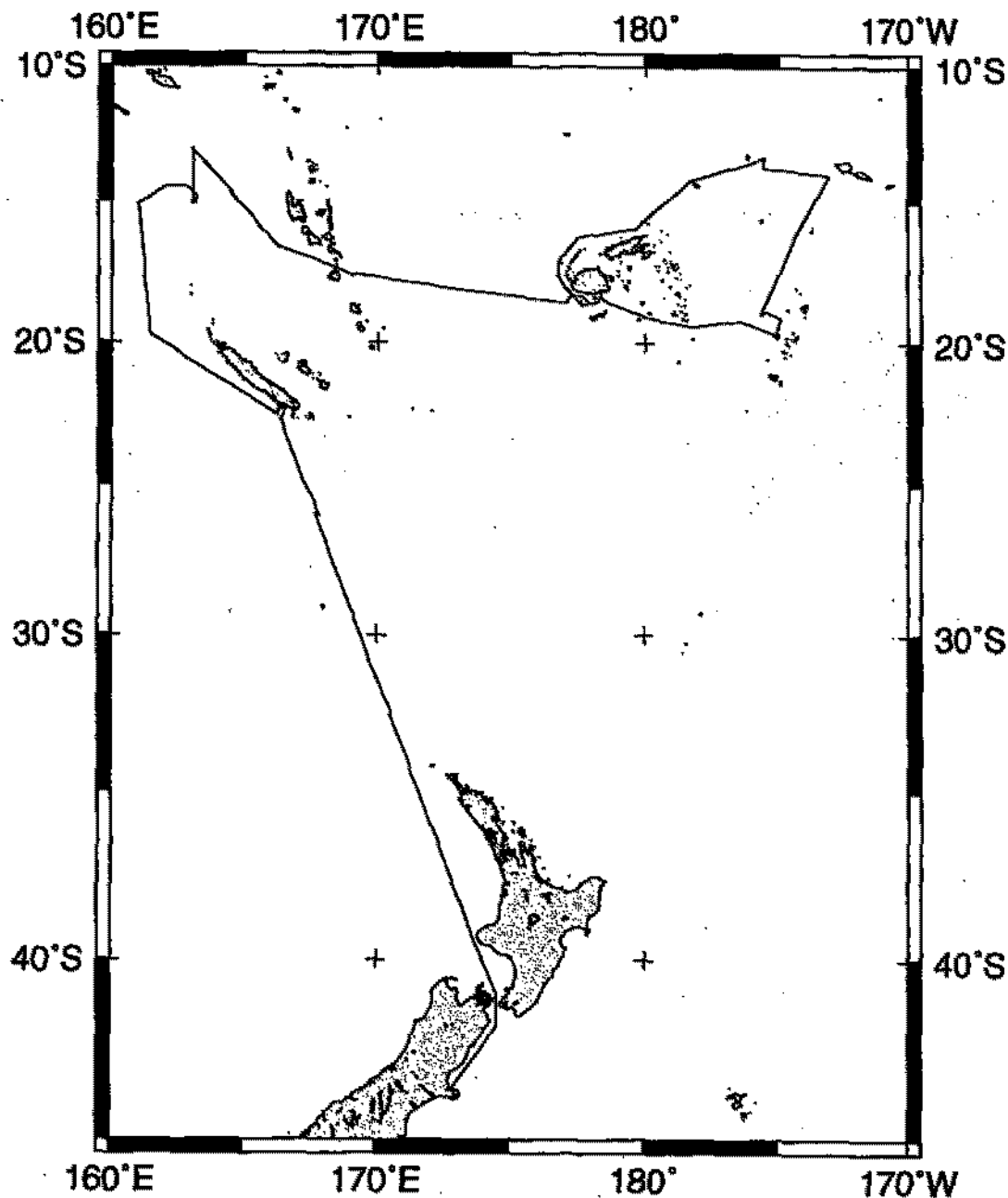
**Track Charts** - annotated with dates and hour ticks.

**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](mailto: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 10**

**CHIEF SCIENTIST:** Douglas Capone, University of Maryland

**PORTS:** Lyttelton, New Zealand - Suva, Fiji

**DATES:** 24 March - 29 April 1998

**SHIP:** R/V Revelle

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

**Cruise - 5258 miles**

**Magnetics - none collected**

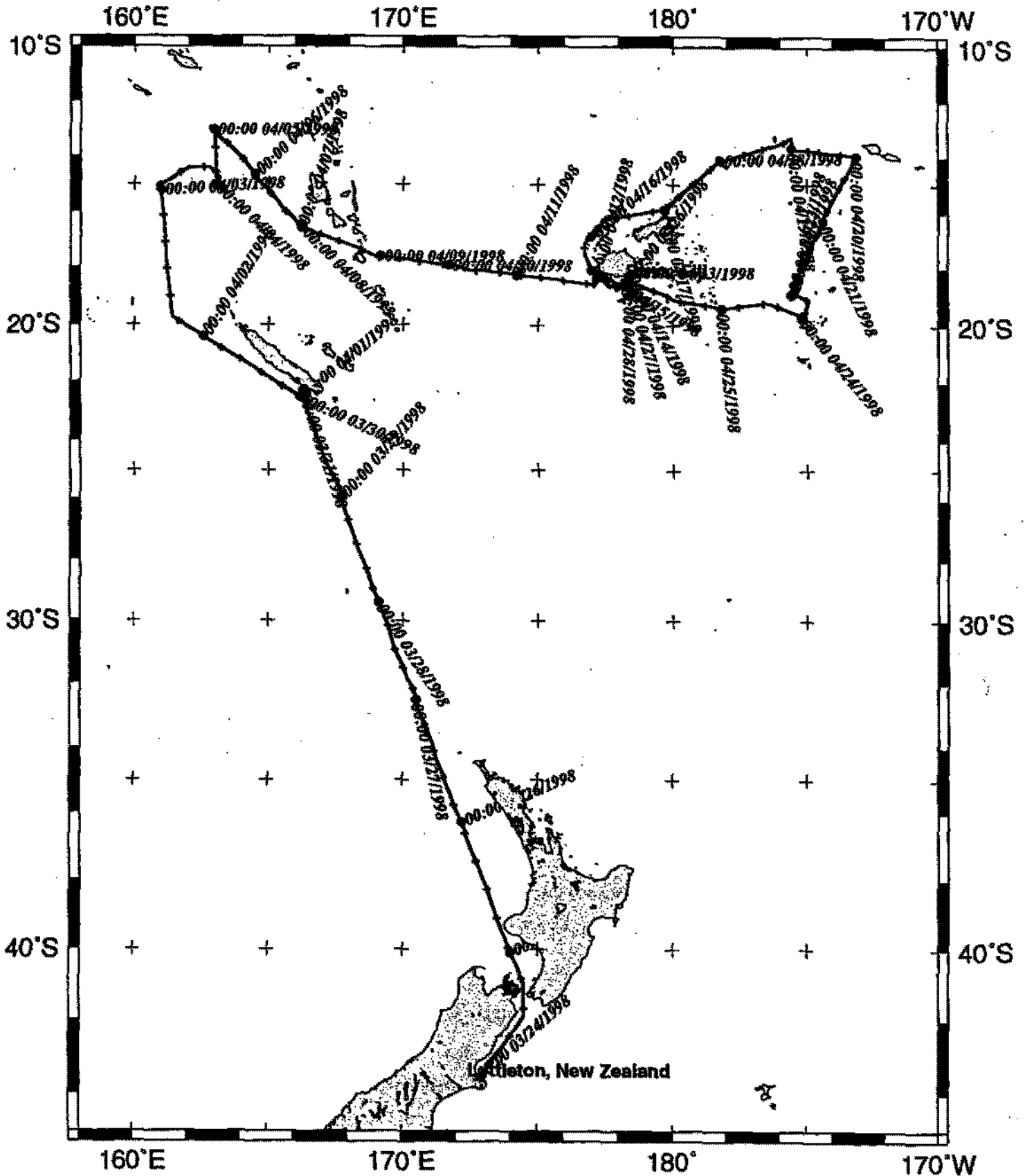
**Bathymetry - 3013 miles**

**Seismic Reflection - none collected**

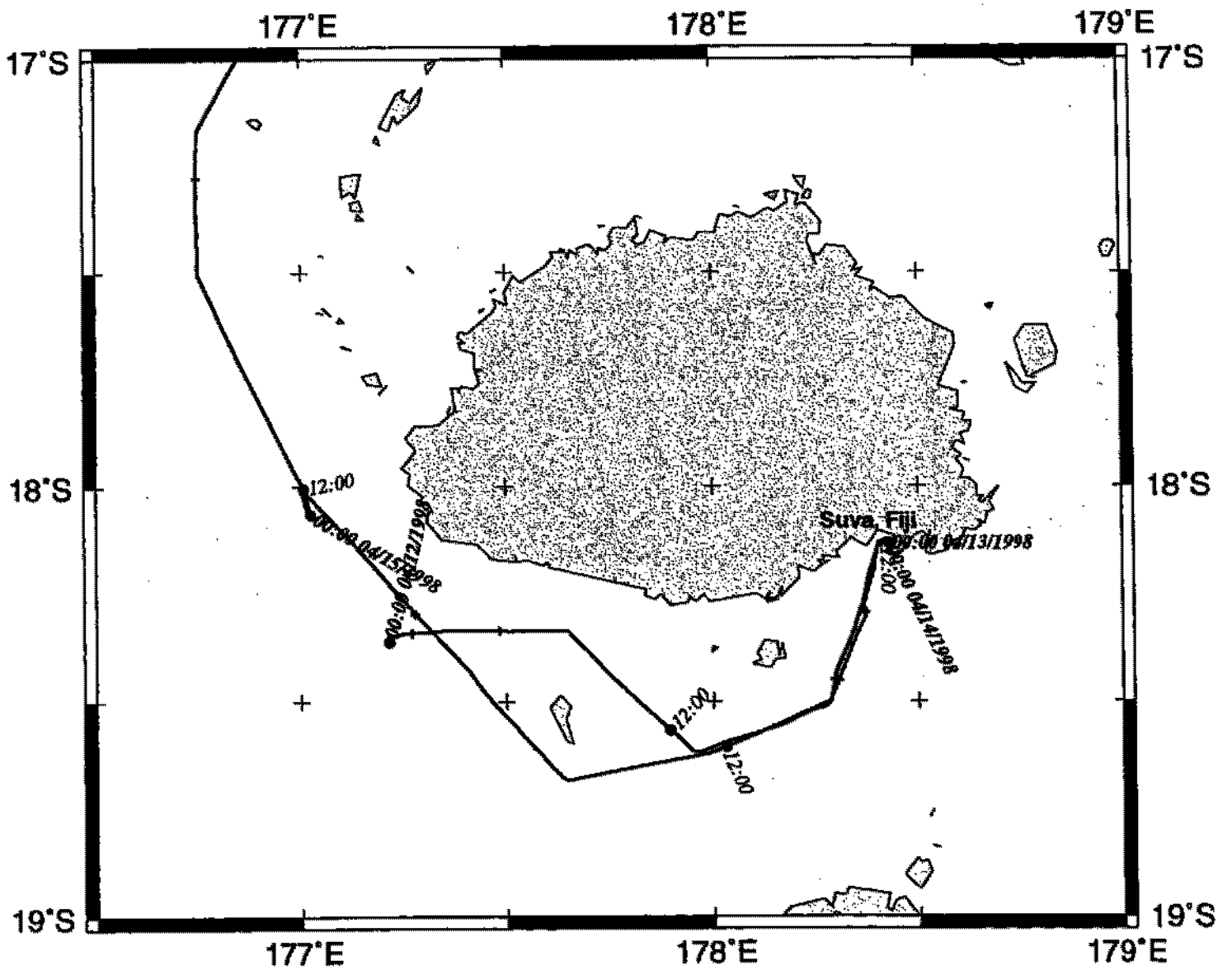
**Sea Beam - 3013 miles**

**Gravity - none collected**

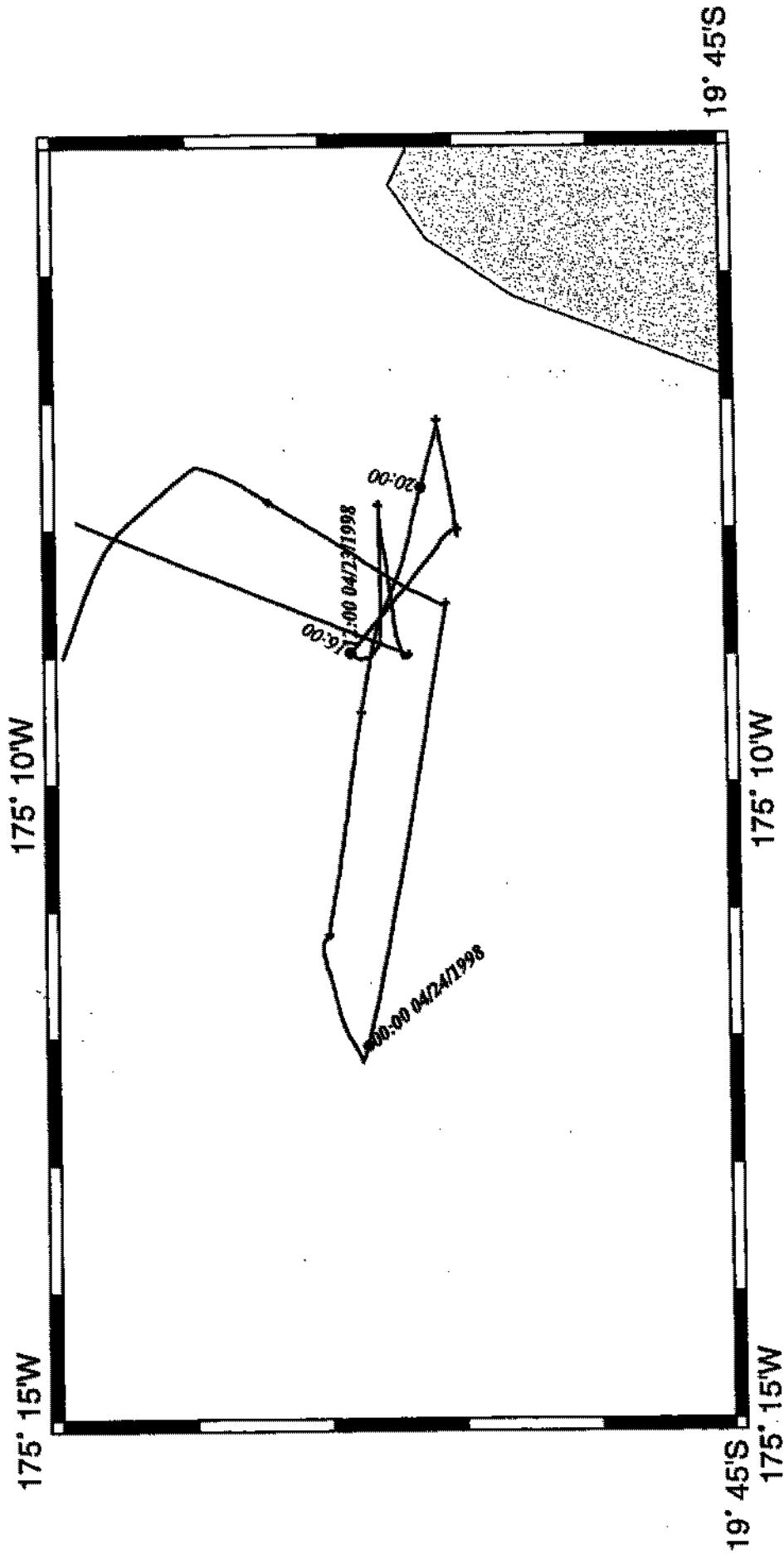
# KIWI10RR Track



# KIWI10RR Survey1

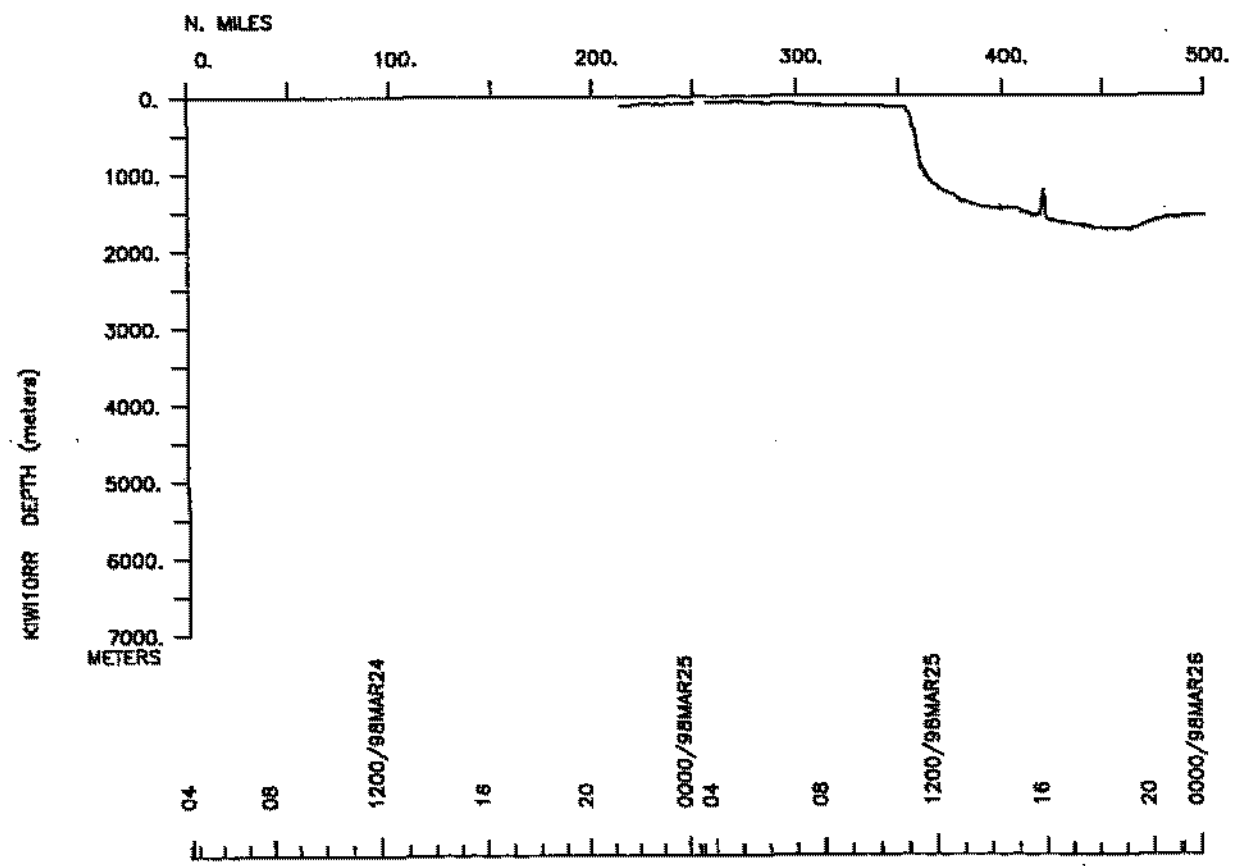
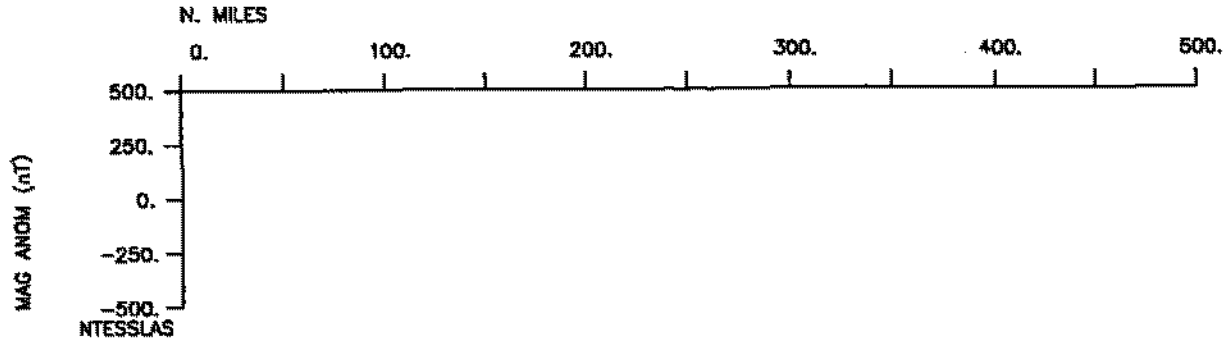
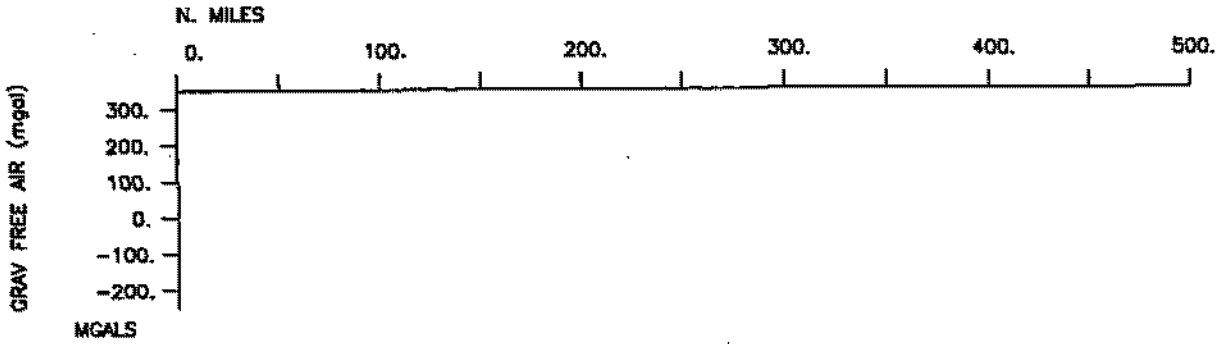


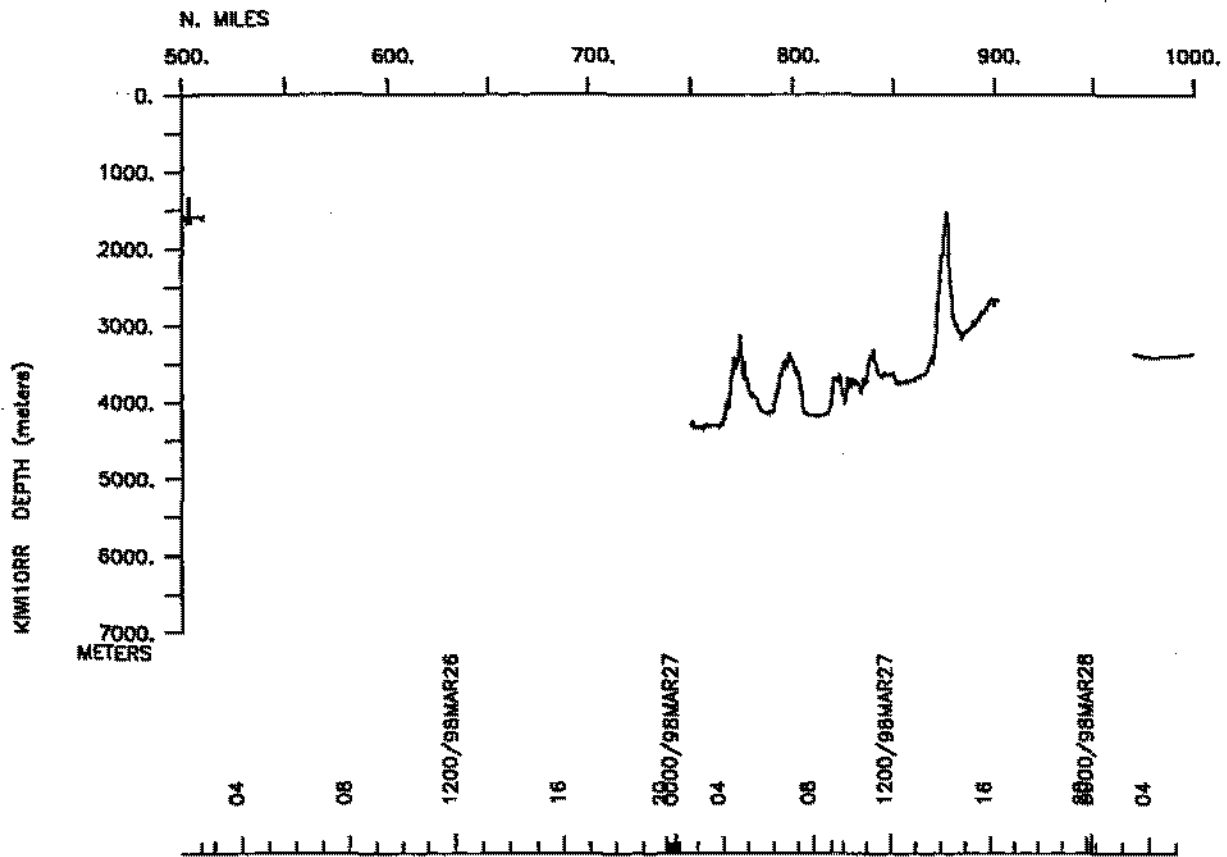
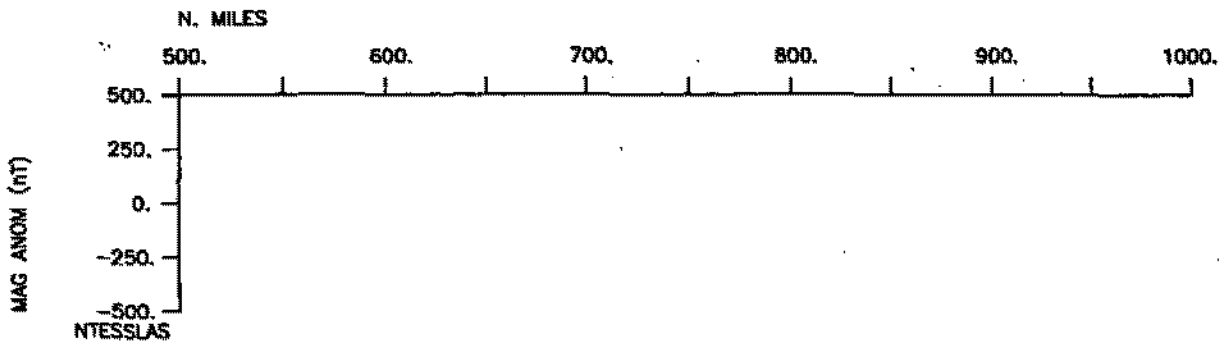
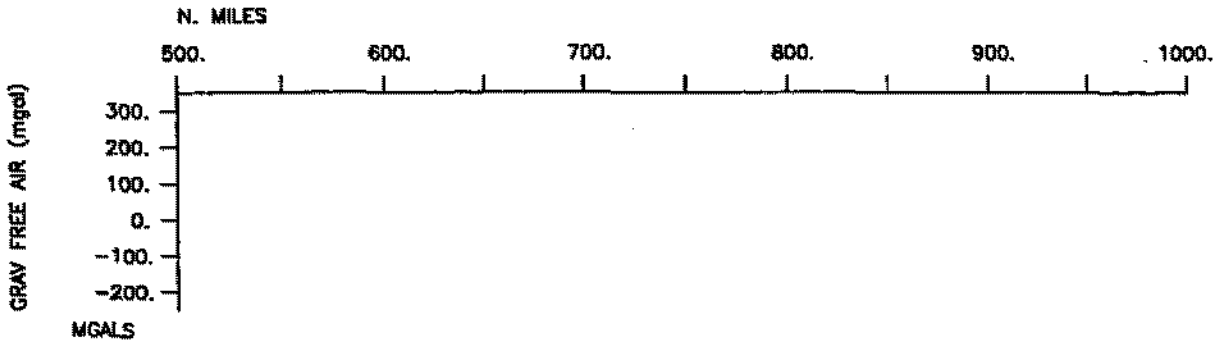
# KIWI10RR Survey2



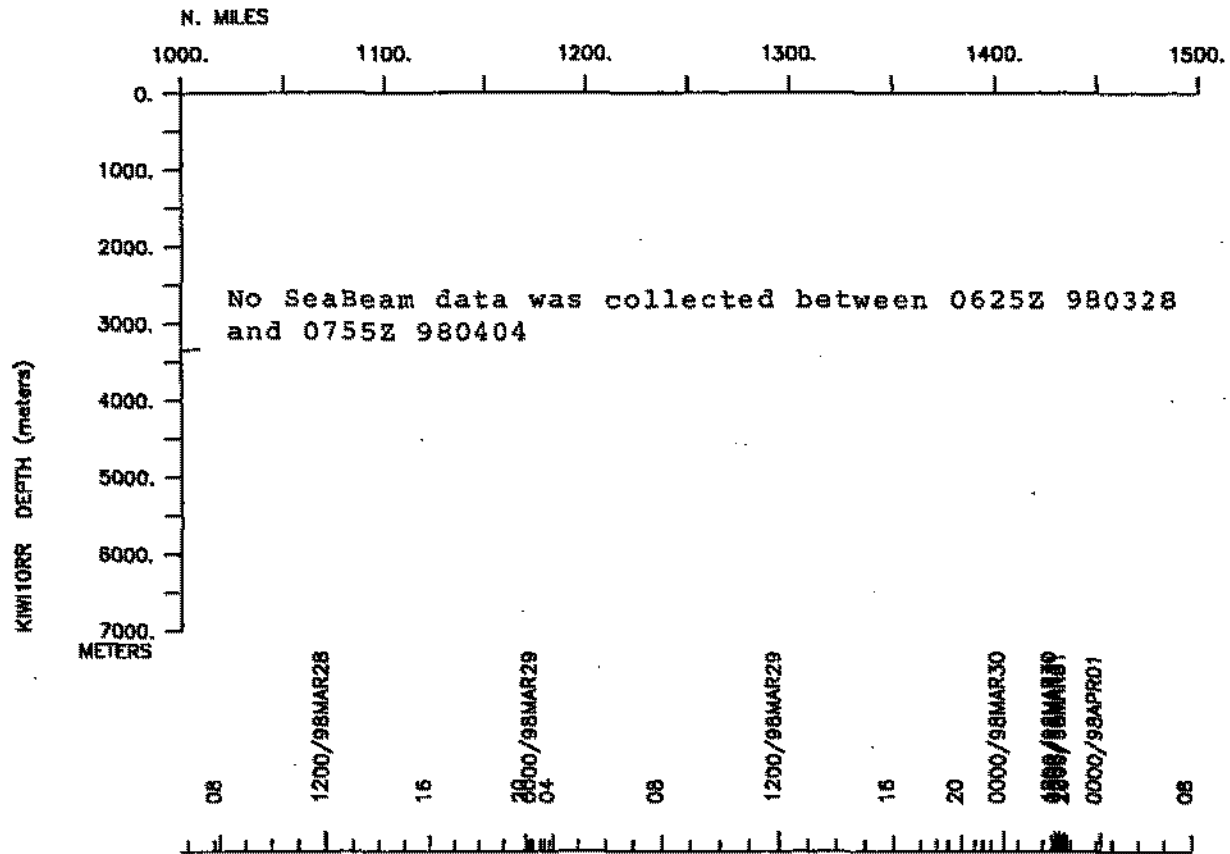
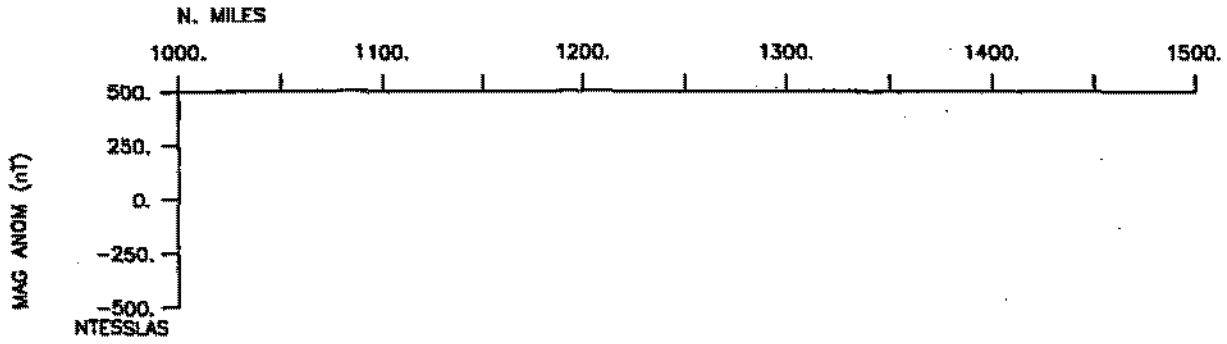
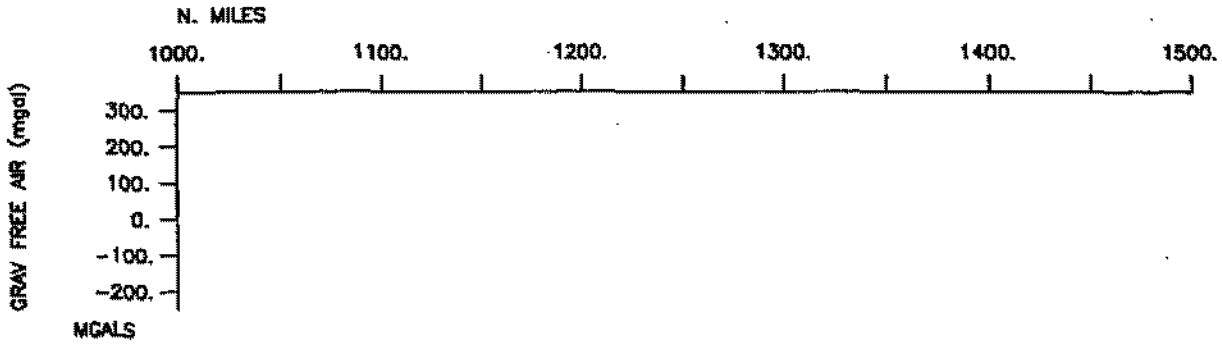
Lyttelton, New Zealand 24 March - Suva, Fiji 29 April 1998:

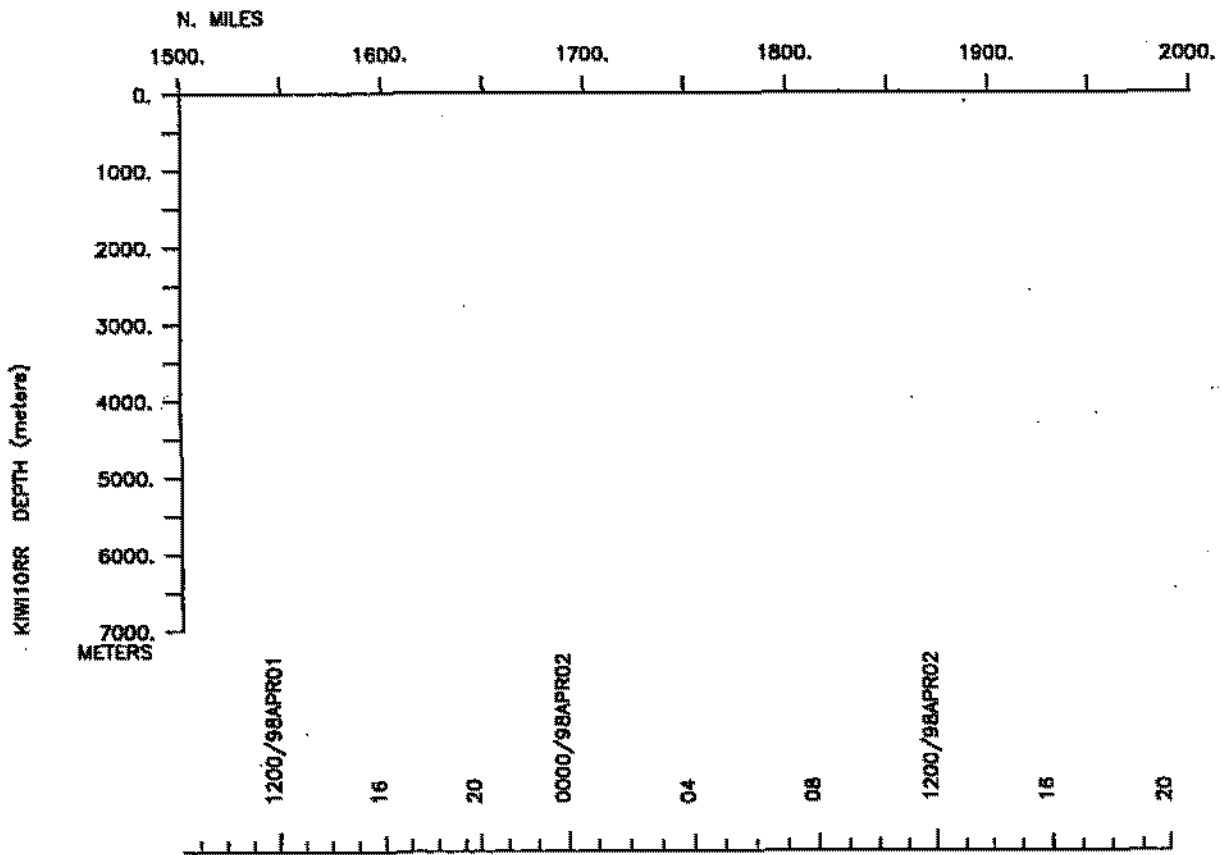
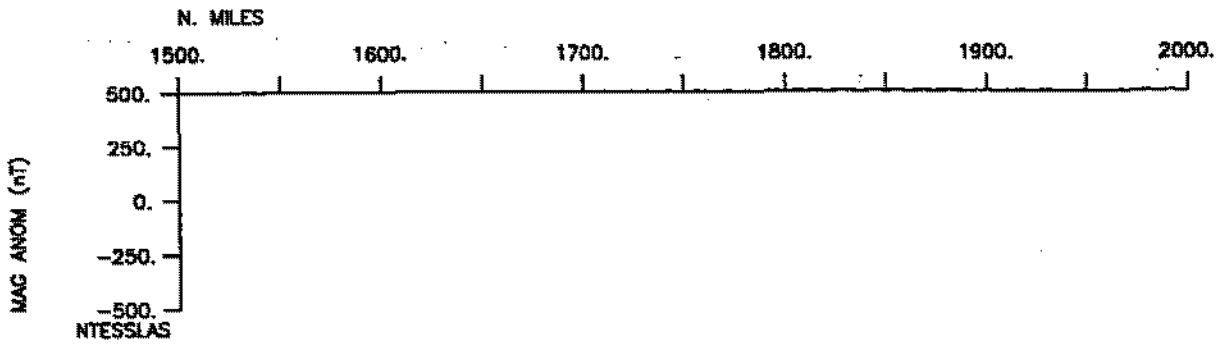
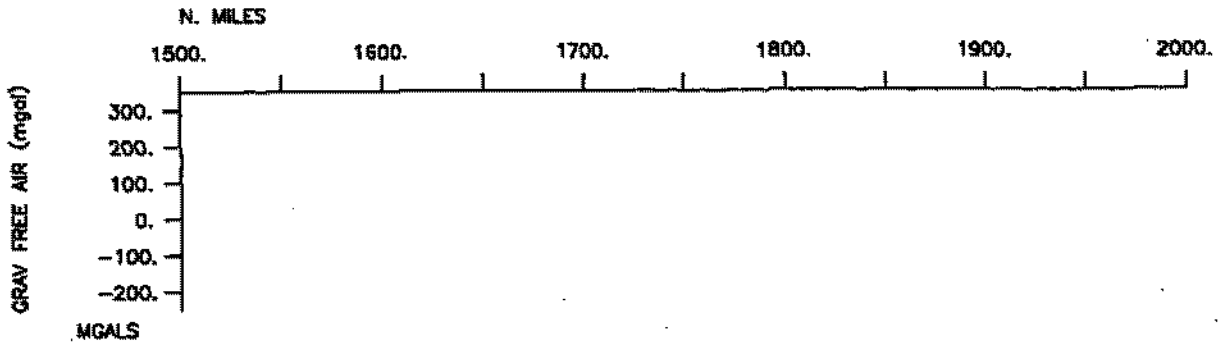
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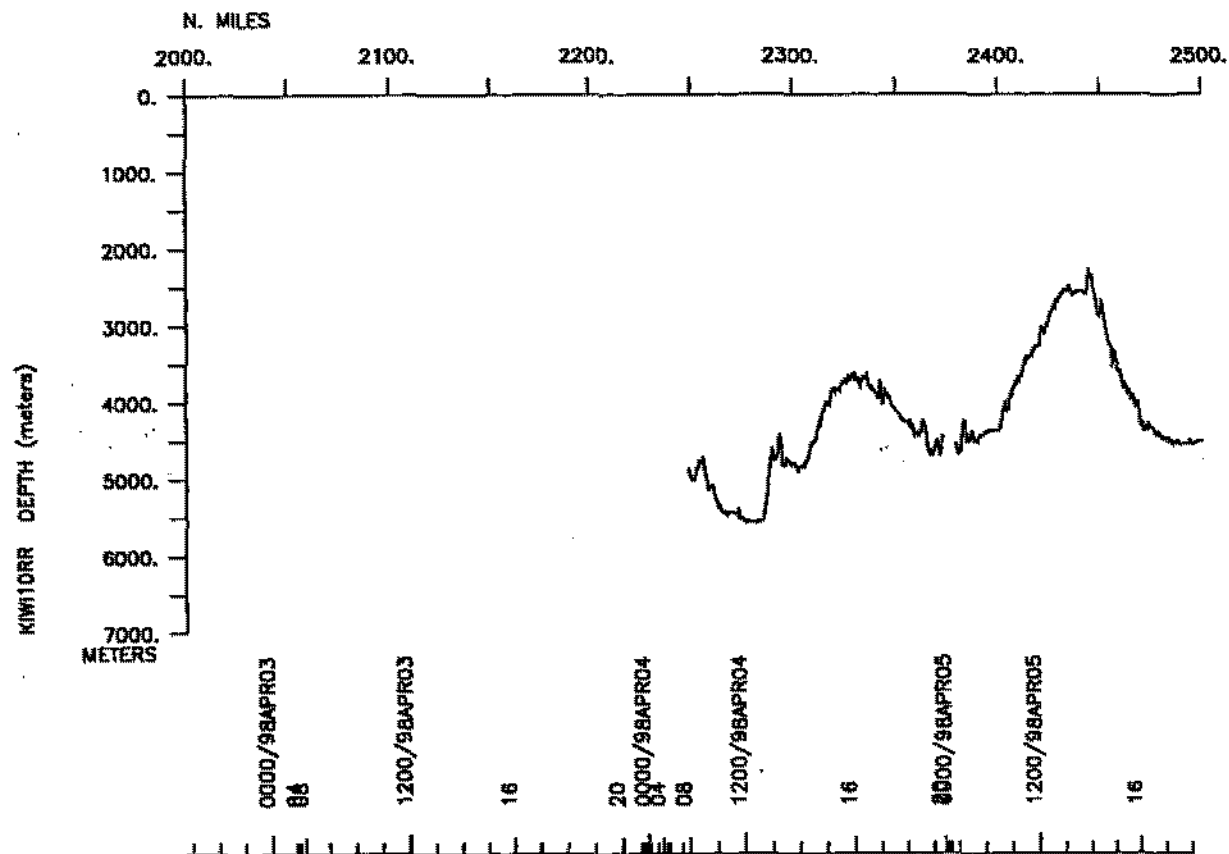
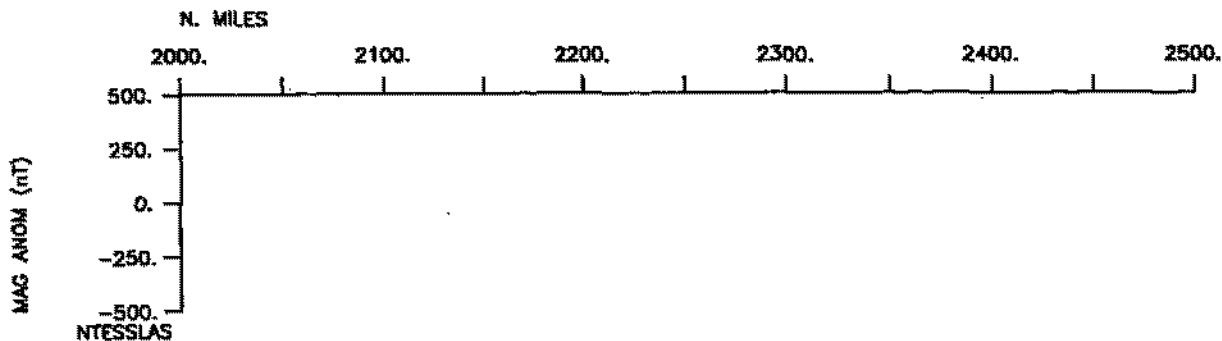
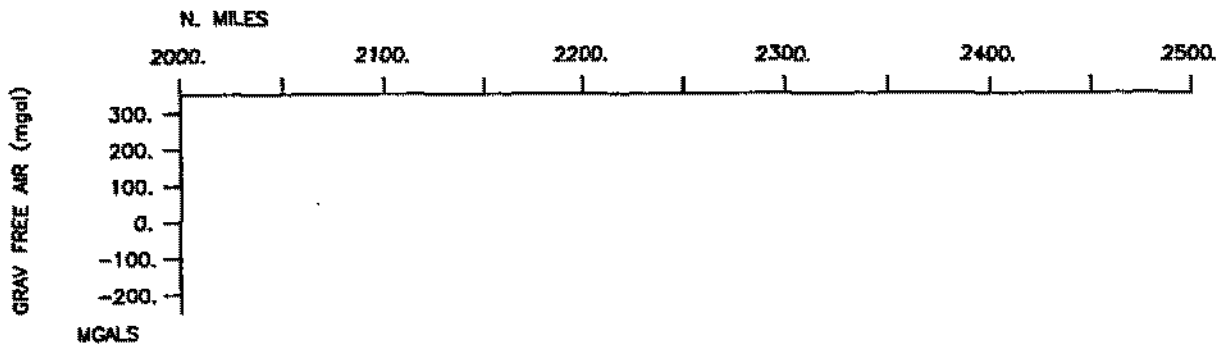


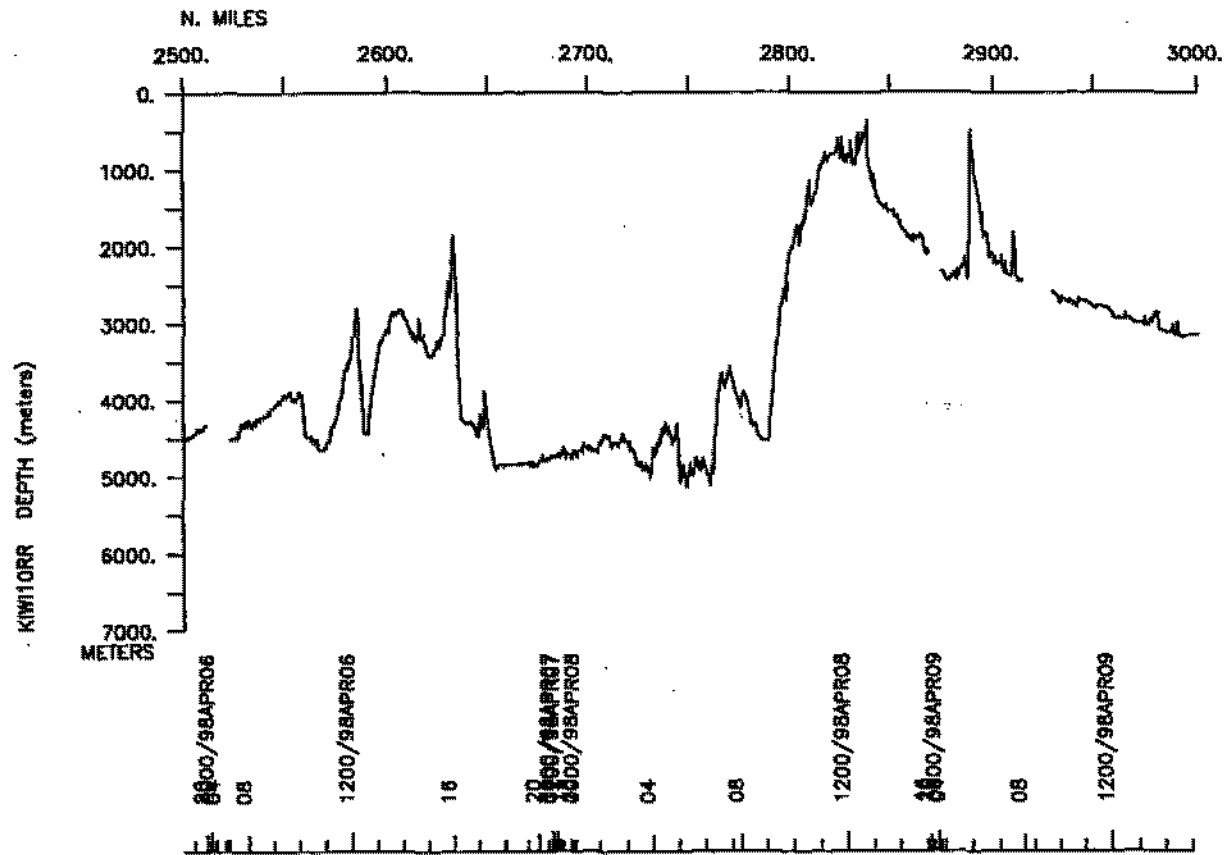
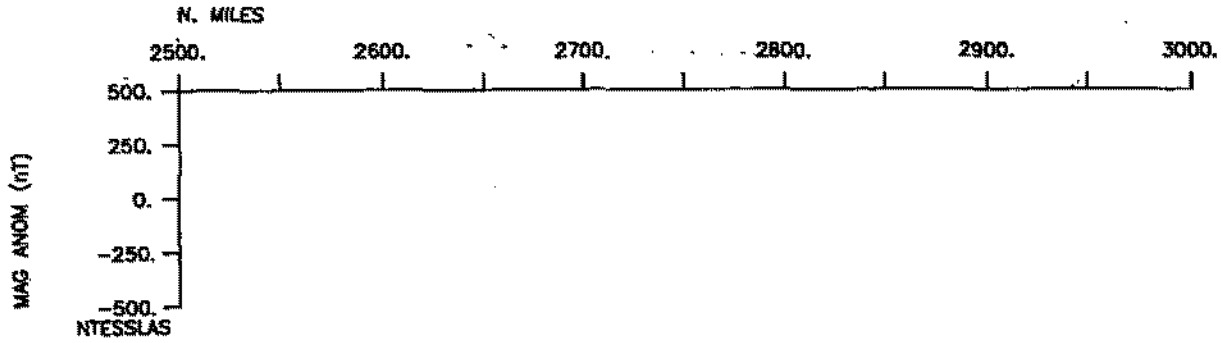
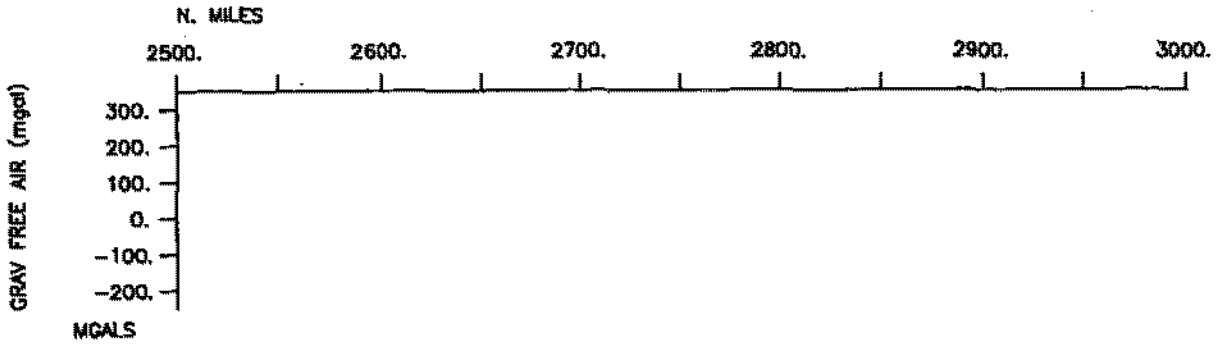


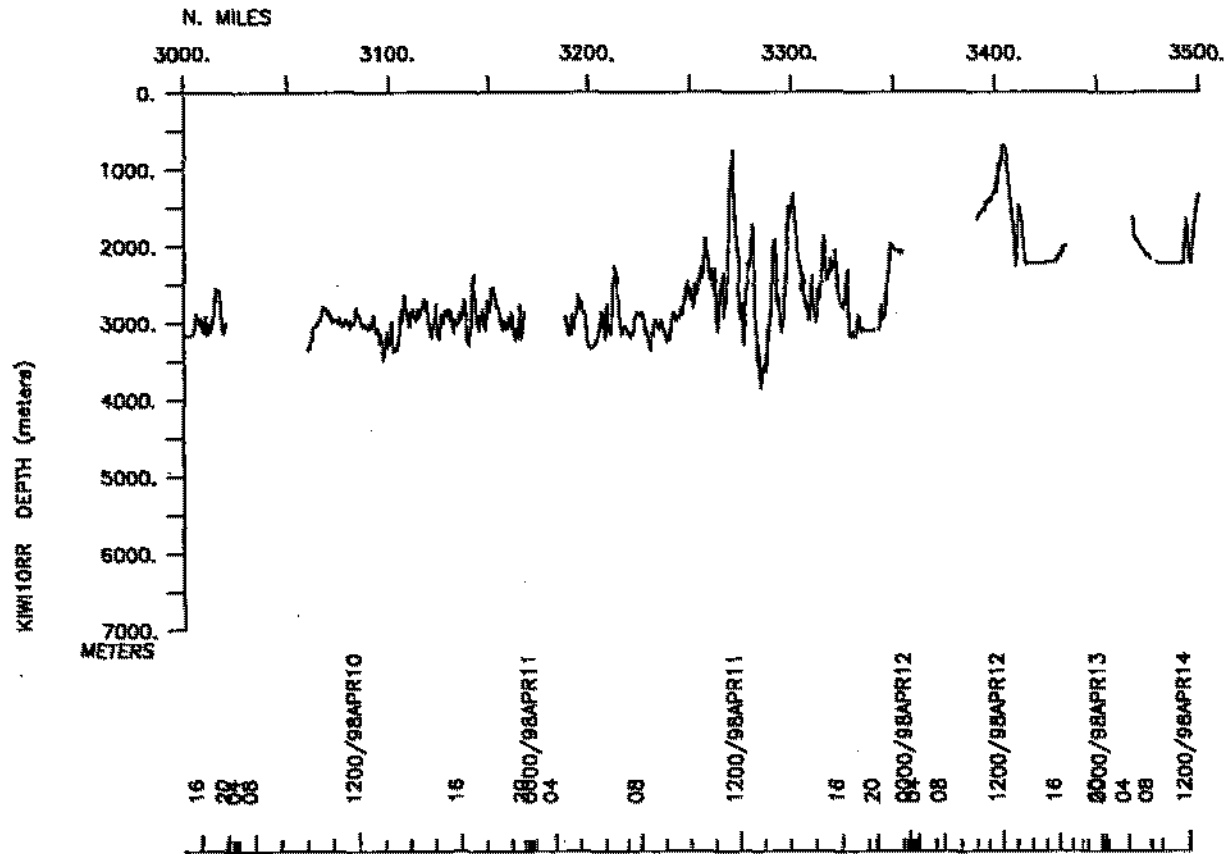
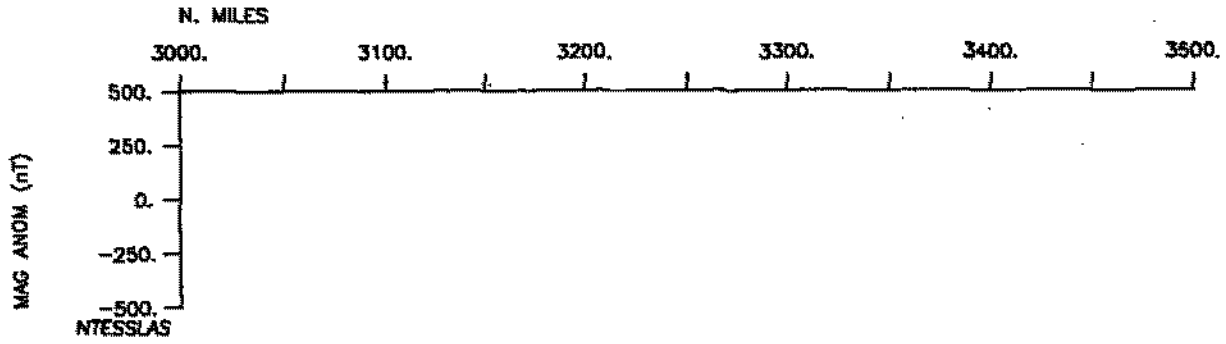
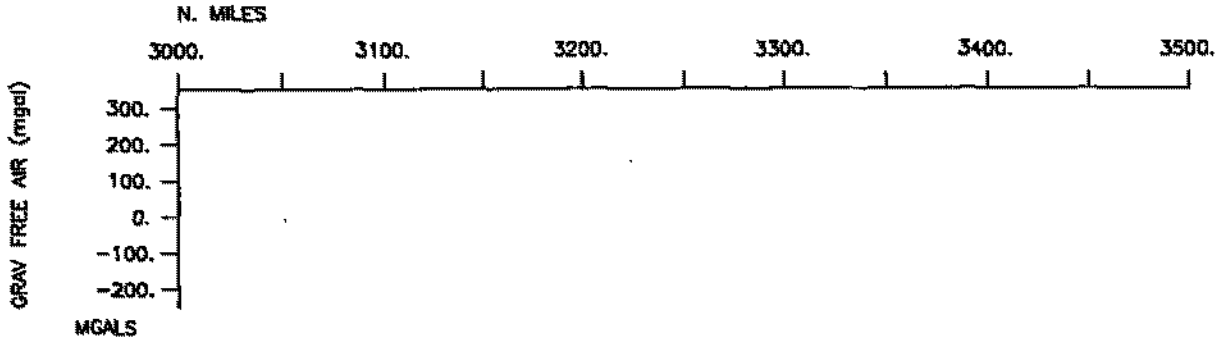


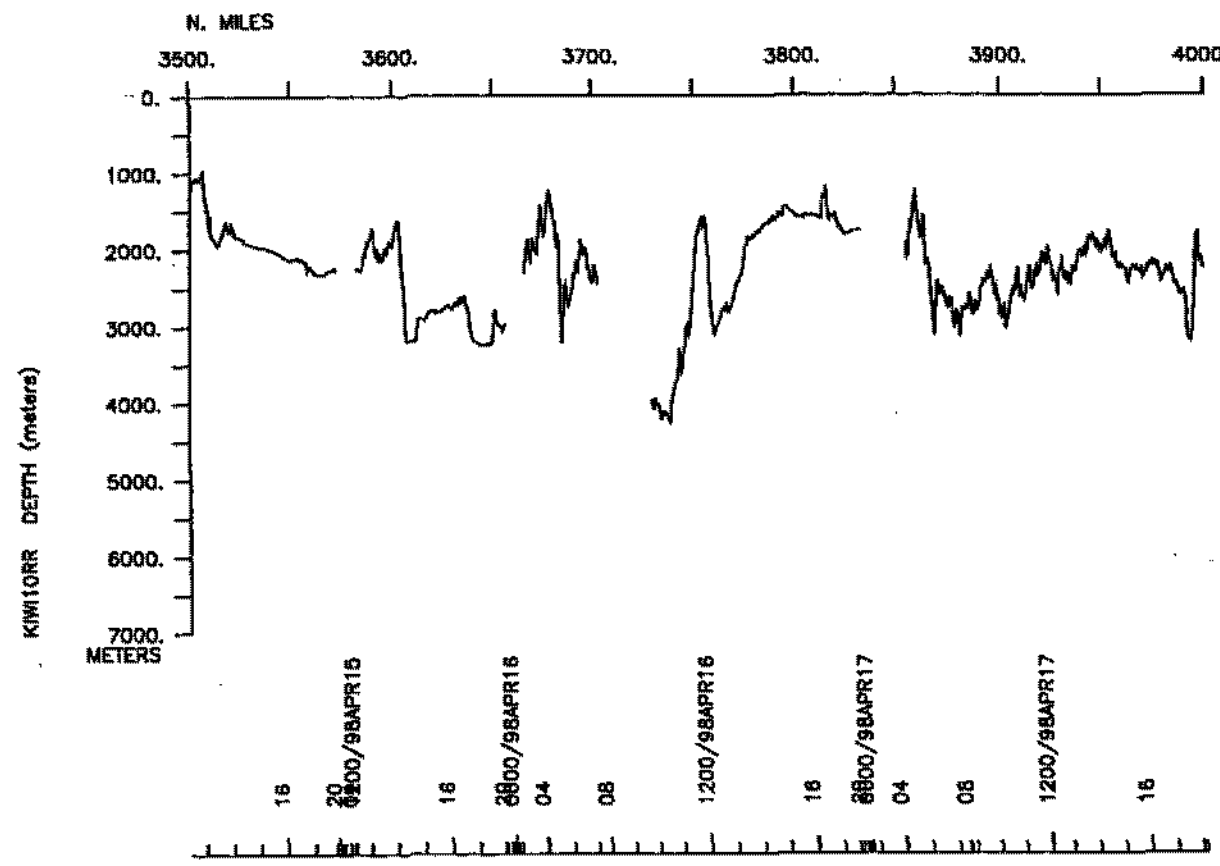
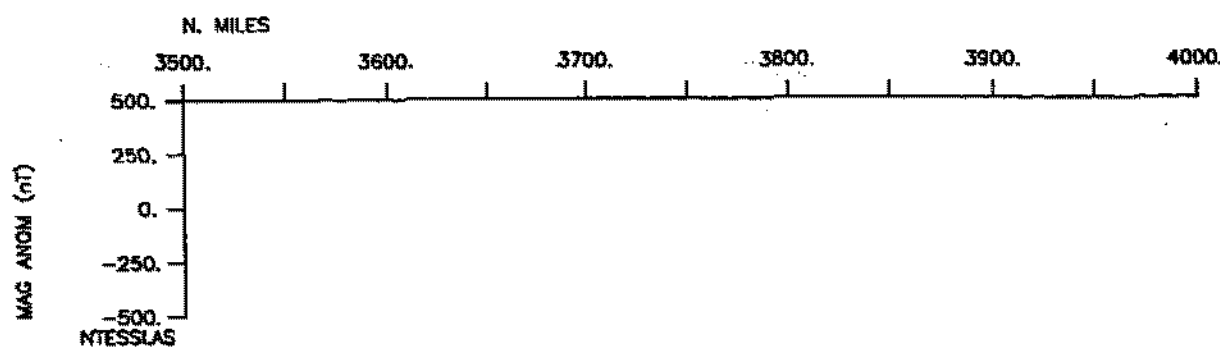
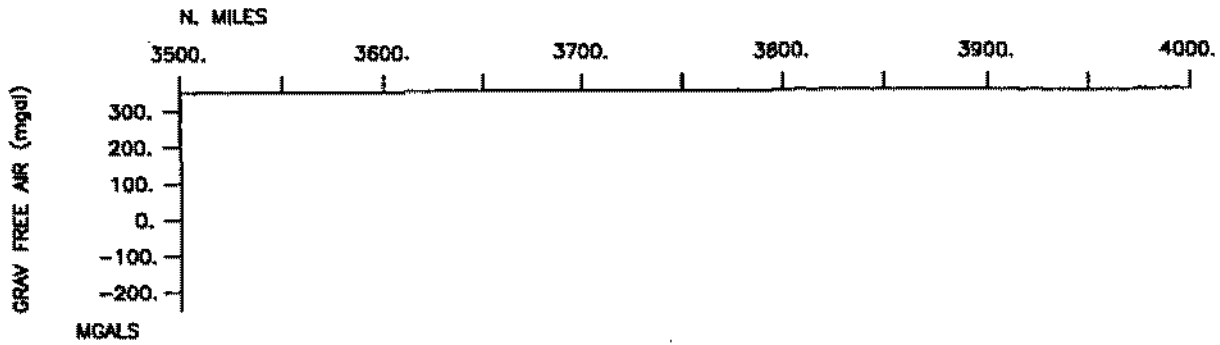


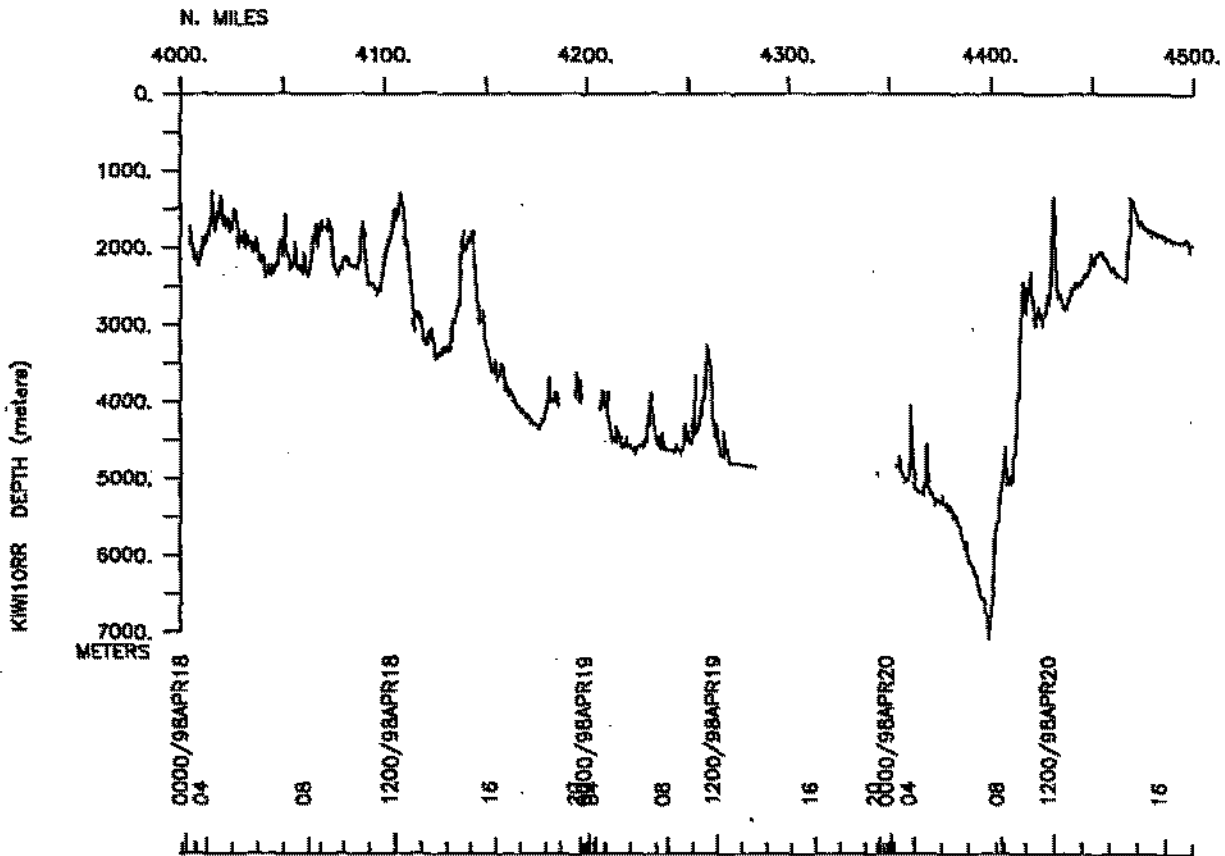
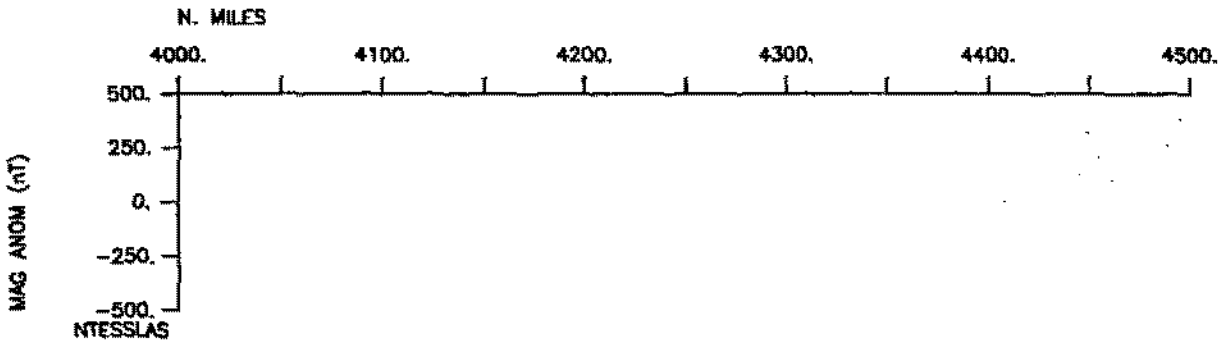
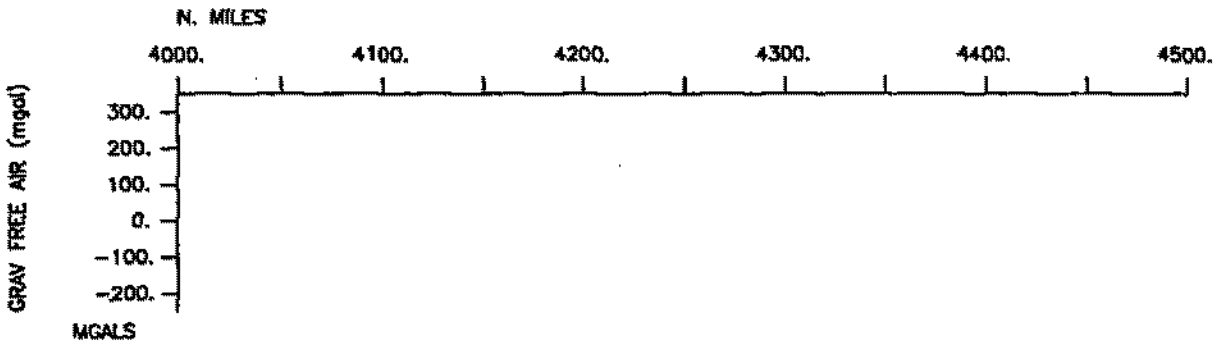


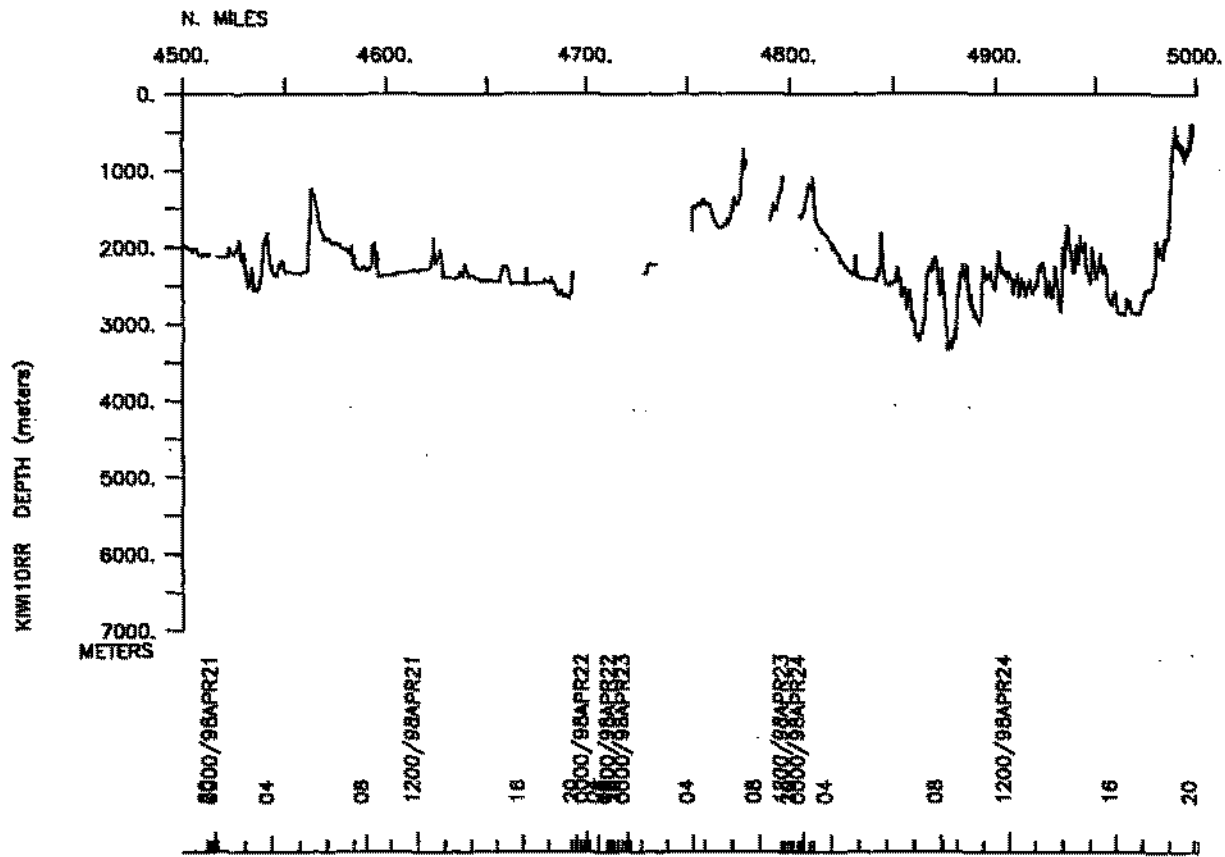
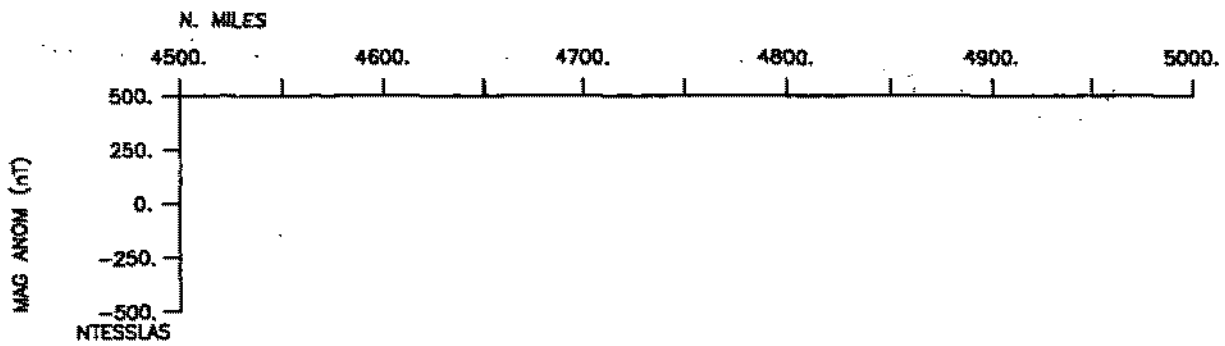
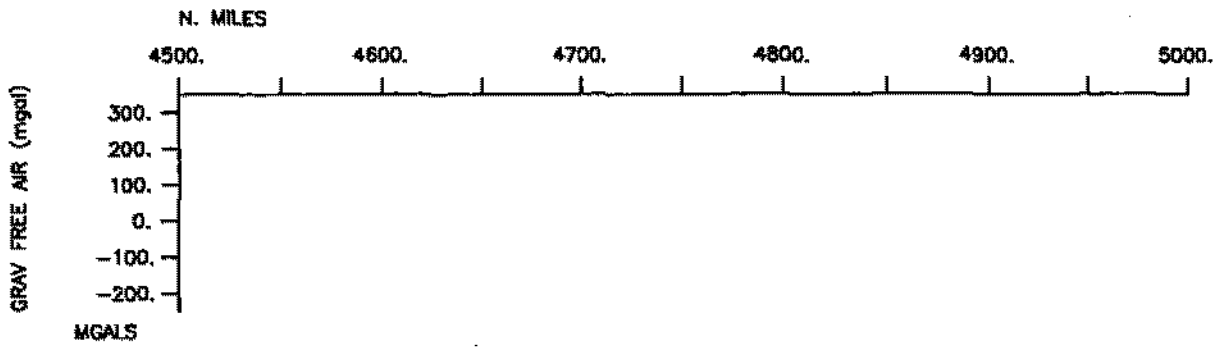




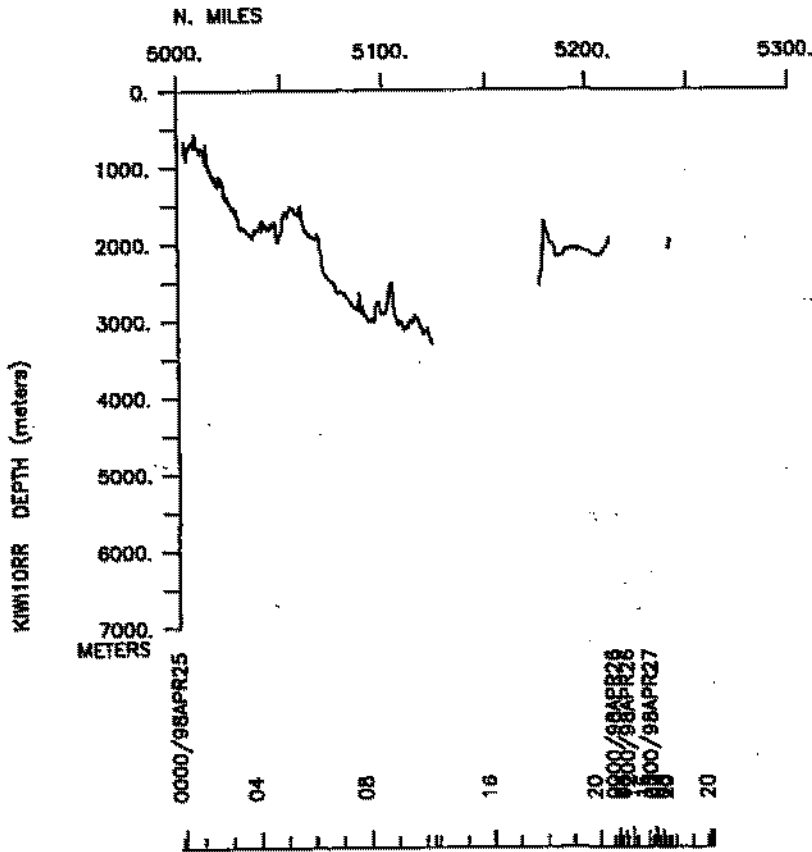
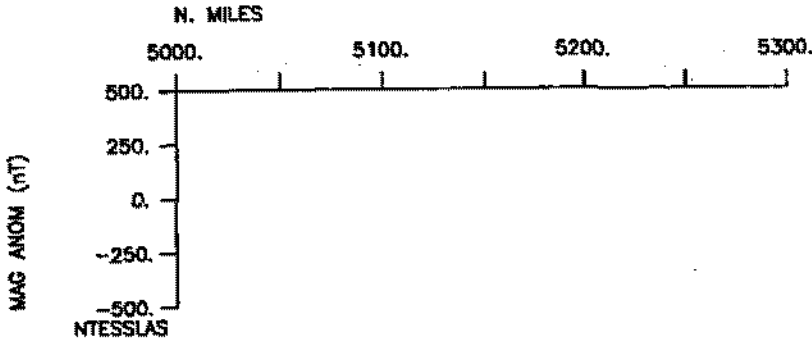
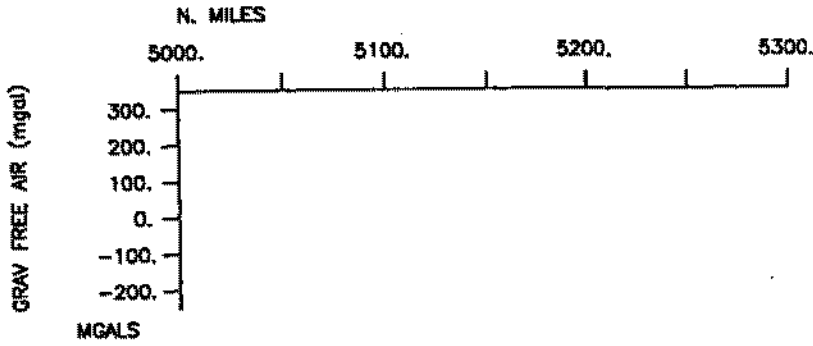












**S.I.O. SAMPLE INDEX**

**KIWI EXPEDITION**

**LEG 10**

**(KIWI10RR)**

**R/V Revelle**

**(Issued August 1998)**

**Ports:**

**Lyttelton, New Zealand (24 March 1998)**

**to**

**Suva, Fiji (29 April 1998)**

**Chief Scientist:**

**Douglas Capone, University of Maryland**

*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 \*\*\*

0200	240398	LGPT B Lyttelton, New Zealand	43-36.00S 172-43.00E f	KIWI10RR
2200	290498	LGPT E Suva, Fiji	18-08.00S 178-25.00W f	KIWI10RR

\*\*\*\* Personnel \*\*\*

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS SIX	Capone, Douglas	Chief Scientist	Univ. of Maryland	KIWI10RR
PECS SIX	Carpenter, Ed	Co-Chief Scient.	State U. of New York	KIWI10RR
PESP SIX	Abrahamsen, K.	Scientist	U.Gotenberg, Sweden	KIWI10RR
PESP SIX	Burns, Jay	Scientist	Univ. of Maryland	KIWI10RR
PESP TAMU	Campbell, Lisa	Scientist	Texas A&M Univ.	KIWI10RR
PESP TAMU	Guffy, Dennis	Scientist	Texas A&M Univ.	KIWI10RR
PESP SIX	Gunderson, Troy	Scientist	Univ. of Maryland	KIWI10RR
PESP SIX	Hamilton, Chris	Scientist	Harvard	KIWI10RR
PESP SIX	Henze, Sheri	Scientist	State U. of New York	KIWI10RR
PESP SIX	Heredia, Pilar	Scientist	State U. of New York	KIWI10RR
PESP STS	Jacobson, Dan	Computer tech	Scripps Institution	KIWI10RR
PESP SIX	Janson, Sven	Scientist	State U. of New York	KIWI10RR
PESP SIX	Kustka, Adam	Scientist	State U. of New York	KIWI10RR
PESP TAMU	Lehmann, Wade	Scientist	Texas A&M Univ.	KIWI10RR
PESP SIX	Lin, Senjie	Scientist	SUNY	KIWI10RR
PESP SIX	Loren, Anders	Scientist	U.Gotenberg, Sweden	KIWI10RR
PESP SIX	Lundgren, Pernilla	Scientist	U.Stockholm, Sweden	KIWI10RR
PESP SIX	McGovern, Molly	Scientist	State U. of New York	KIWI10RR
PESP SIX	Montoya, Joseph	Scientist	Harvard	KIWI10RR
PESP SIX	Mulholland, Maggie	Scientist	Univ. of Maryland	KIWI10RR
PESP SIX	Schmidt, Steve	Scientist	State U. of New York	KIWI10RR
PESP STS	Schmitt, Jim	Technician	Scripps Insitution	KIWI10RR
PESP SIX	Subramaniam, Ajit	Scientist	Univ. of Maryland	KIWI10RR

\*\*\*\* End Sample Index KIWI10RR