

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

**KIWI EXPEDITION**

**LEG 14**

**(KIWI14RR)**

**R/V Revelle**

**(Issued January 1999)**

**Ports:**

Honolulu, Hawaii (9 July 1998)

to

Honolulu, Hawaii (11 July 1998)

**Chief Scientist:**

Christian deMoustier, Scripps Institution  
email: cdmoustier@ucsd.edu

No Resident Marine Technician on board

Computer Technician - Jim Charters

Post-Cruise Processing and Report Preparation by the  
Geological Data Center, Scripps Institution of Oceanography  
La Jolla, California 92093-0223

**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.

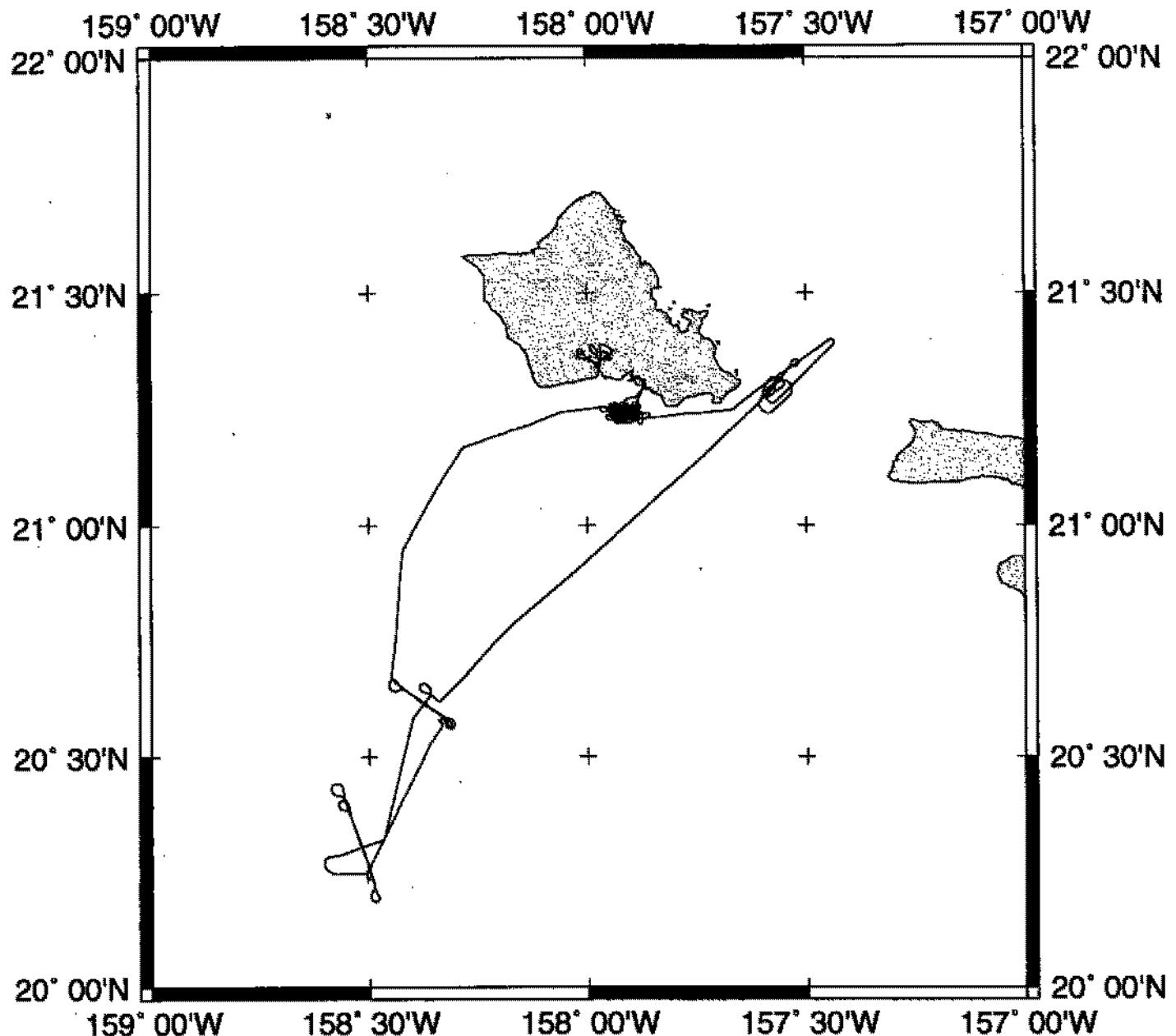
**Track Charts** - annotated with dates and hour ticks.

**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 14 (KIWI14RR)**

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**CHIEF SCIENTIST:** Christian deMoustier, Scripps Institution

**PORTS:** Honolulu - Honolulu, Hawaii

**DATES:** 09 - 11 July 1998

**SHIP:** R/V Revelle

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

Cruise - 453 miles

Magnetics - none collected

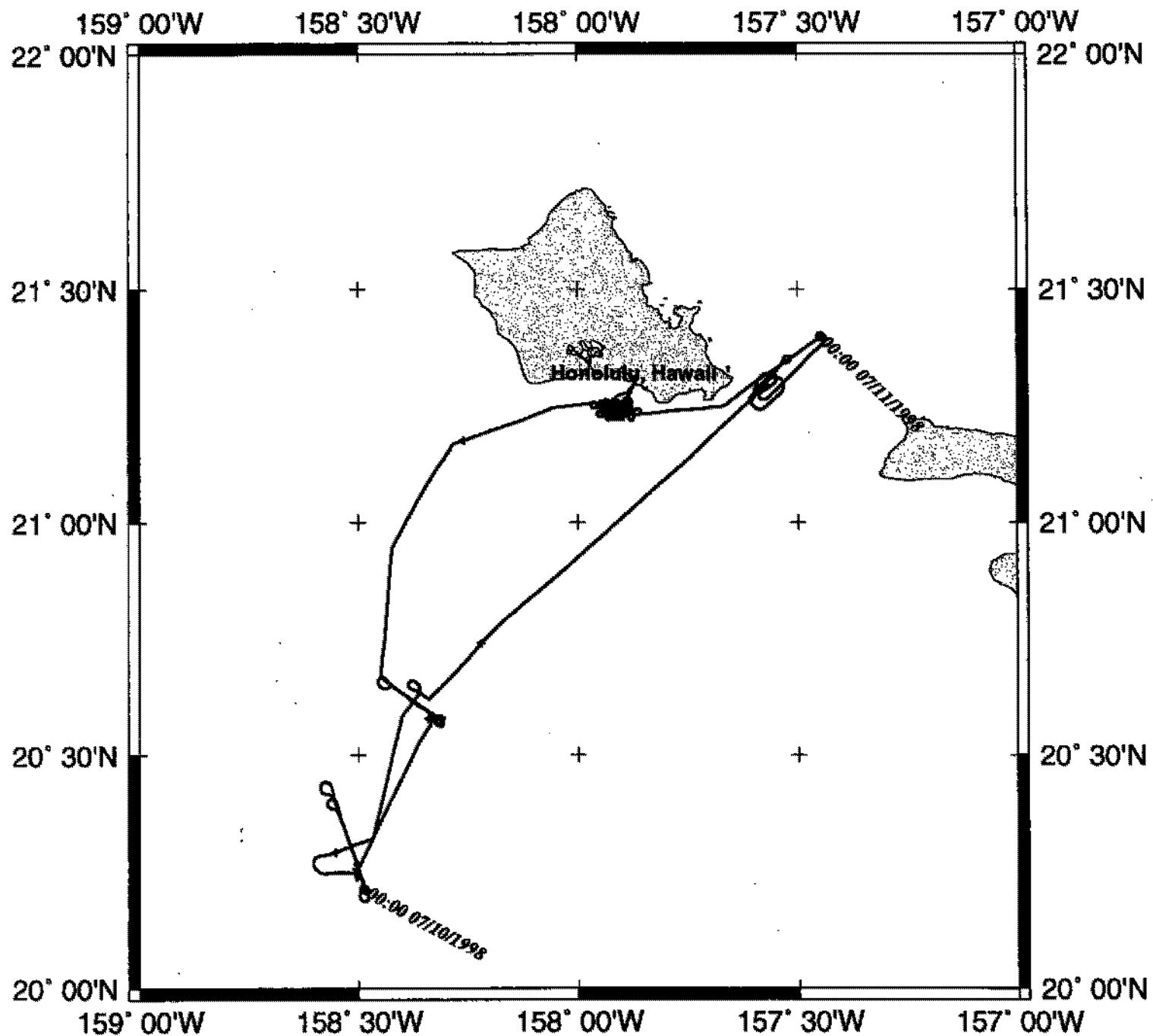
Bathymetry - 266 miles

Seismic Reflection - none collected

Sea Beam - 266 miles

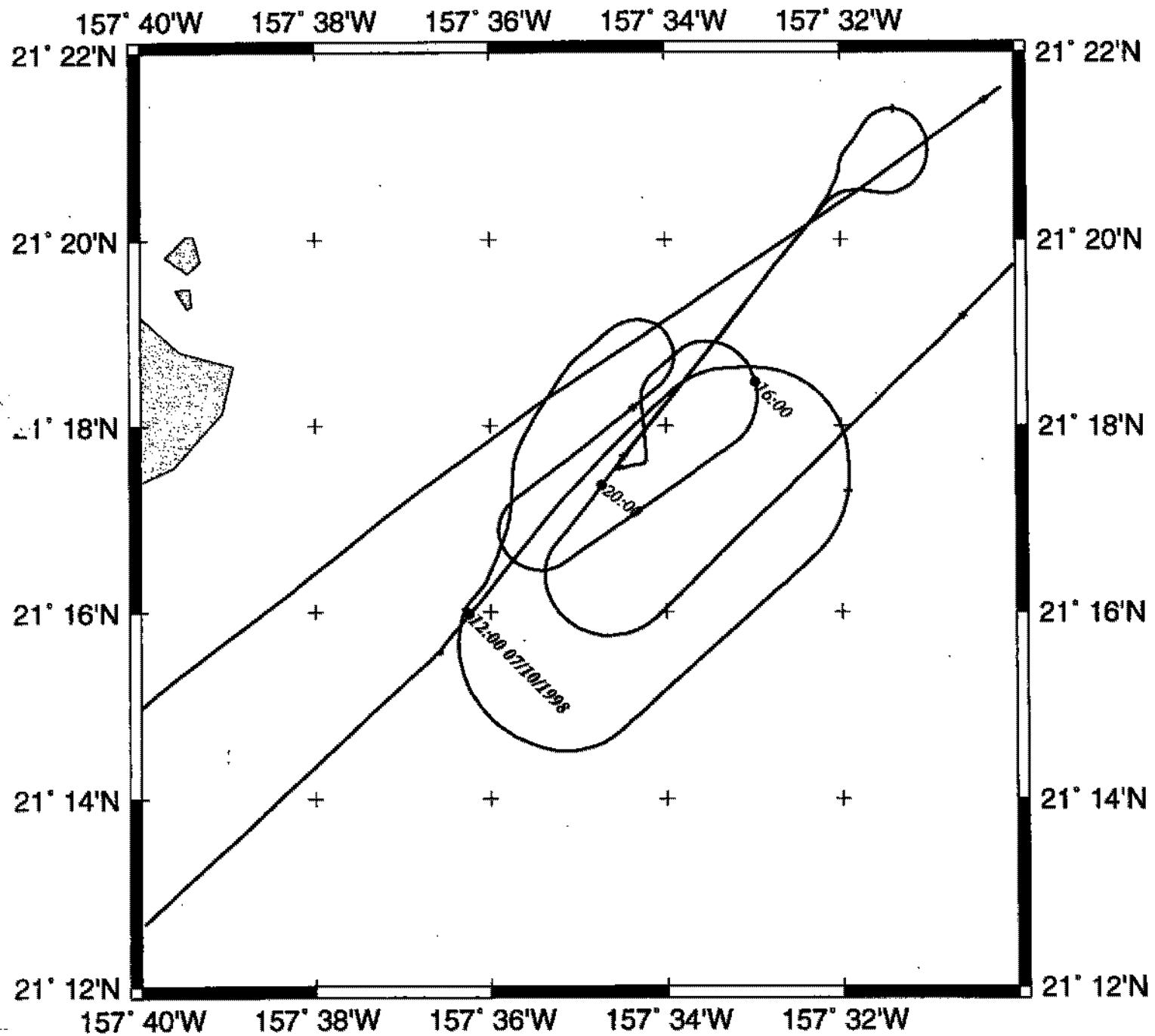
Gravity - none collected

## KIWI14RR Track

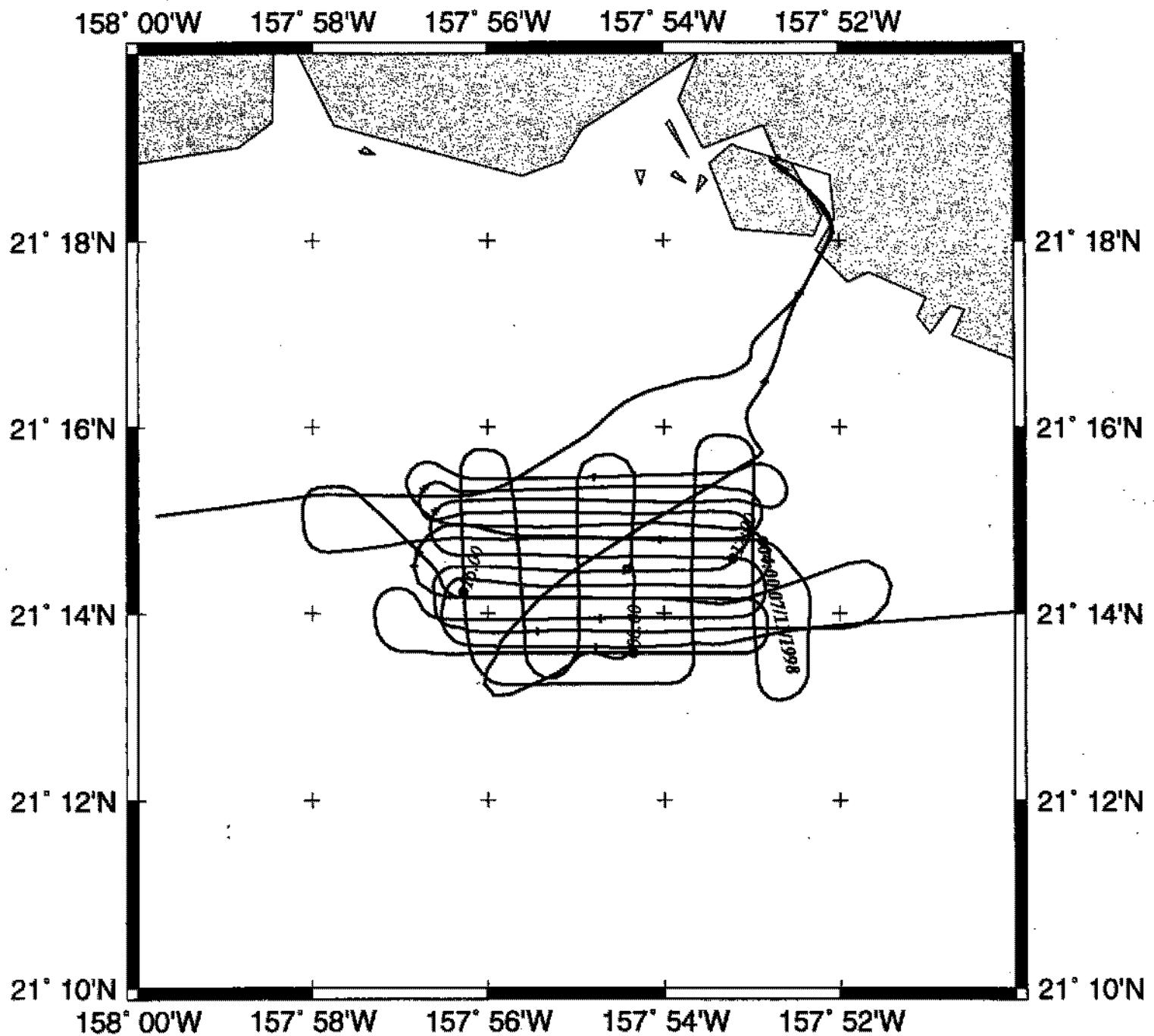


GMT Jan 8 13:36 :Honolulu - Honolulu, Hawaii, 09 - 11 July 1998:

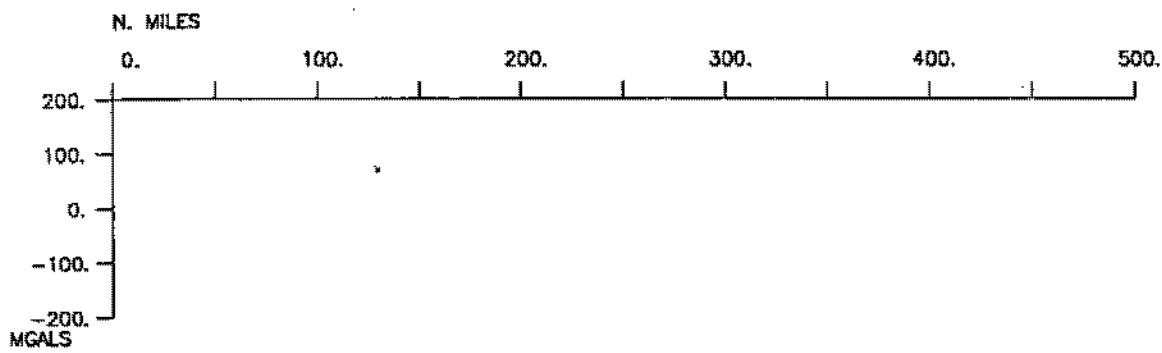
## KIWI14RR Survey 1



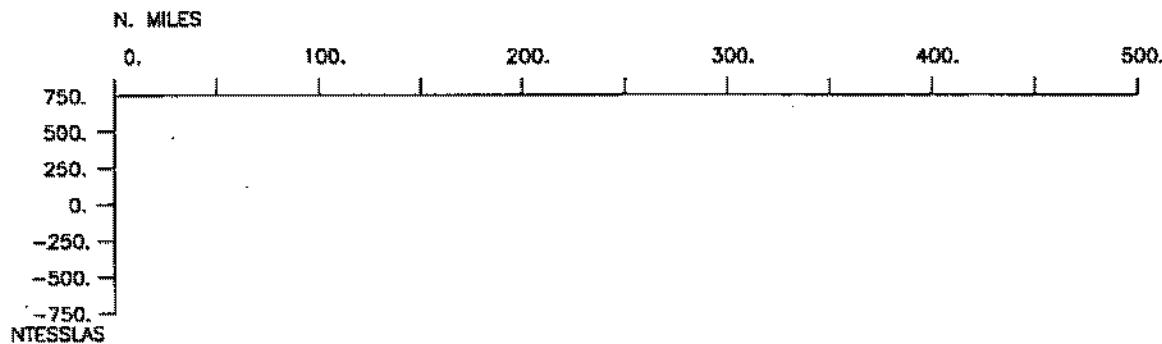
## KIWI14RR Survey 2



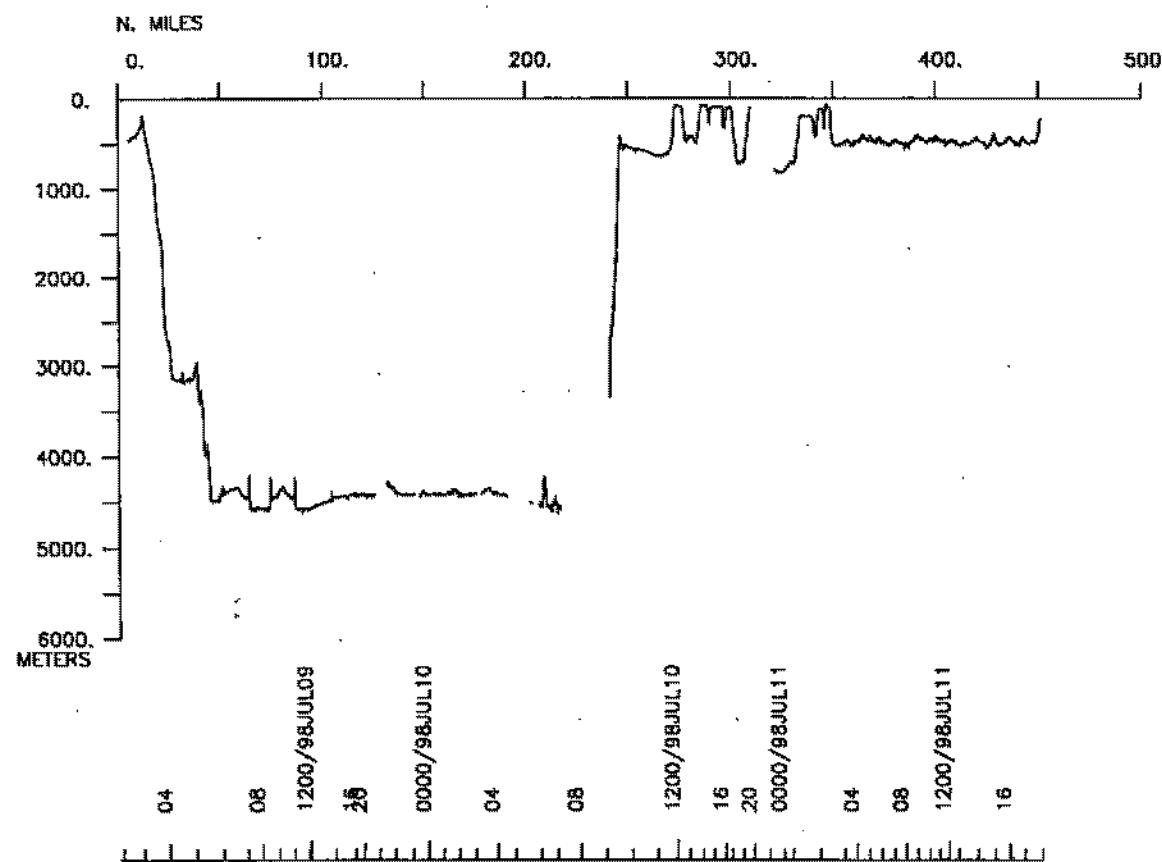
GRAV FREE AIR (mgals)



MAG ANOM (nT)



KIWI14RR DEPTH (meters)



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

**KIWI EXPEDITION**

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**Ports:**

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**Chief Scientist:**

Christian deMoustier, 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 \*\*\*

0143 090798 0 LGPT B Honolulu, Hawaii	21-18.00N 157.52.00W f KIWI14RR
1840 110798 0 LGPT E Honolulu, Hawaii	21-18.00N 157.52.00W f KIWI14RR

## \*\*\*\* Personnel \*\*\*

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
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PBES MPL deMoustier, C.	Chief scientist	Scripps Institution	KIWI14RR
PECT STS Charters, J.	Computer tech	Scripps Institution	KIWI14RR
PECT STS Moe, R.	Computer tech	Scripps Institution	KIWI14RR
PEBO STS Smith, S.M.	SeaBeam Processor	Scripps Institution	KIWI14RR
PESP SIX Ireland, T.	Engineer	Sea Beam Instruments	KIWI14RR
PESP WHOI Limmond, P.	Scientist	Woods Hole	KIWI14RR
PESP SIX Spitzak, J.	Engineer	Sea Beam Instruments	KIWI14RR
PESP SIX Shah, G.	Engineer	Sea Beam Instruments	KIWI14RR
PESP SIX White, J.	Engineer	Halter Marine	KIWI14RR
PESP SIX White, S.	Volunteer	Non-Scripps Employee	KIWI14RR
PESP NOAA Stepka, T.	Scientist	NOAA	KIWI14RR
PESP SIX Roland, D.	Scientist	JJMA	KIWI14RR

## \*\*\*\* 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 \*\*\*

0143 090798 0 LBUW B Underway watch log	GDC	21-18.86N 157-52.71W g KIWI14RR
1840 110798 0 LBUW E Underway watch log	GDC	21-18.76N 157-52.60W g KIWI14RR

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

0235 090798 0 MBSR B v.beam&sscan r-01	GDC	21-15.26N 157-57.11W g KIWI14RR
1755 110798 0 MBSR E v.beam&sscan r-01	GDC	21-16.00N 157-53.04W g KIWI14RR

#	End Sample Index	KIWI14RR
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