

REPORT AND INDEX OF
UNDERWAY MARINE GEOPHYSICAL DATA

PANORAMA EXPEDITION

LEG 7

(PANR07MV)

(R/V Melville)

(Issued August 1998)

Ports:

Honolulu, Hawaii (12 June 1998)

to

Honolulu, Hawaii (20 June 1998)

Chief Scientist:

Ralph Stephen (Woods Hole)
email:rstephen@whoi.edu

Marc Silver, Computer Technician
Ron Comer, Resident Marine 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.# 278

**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.

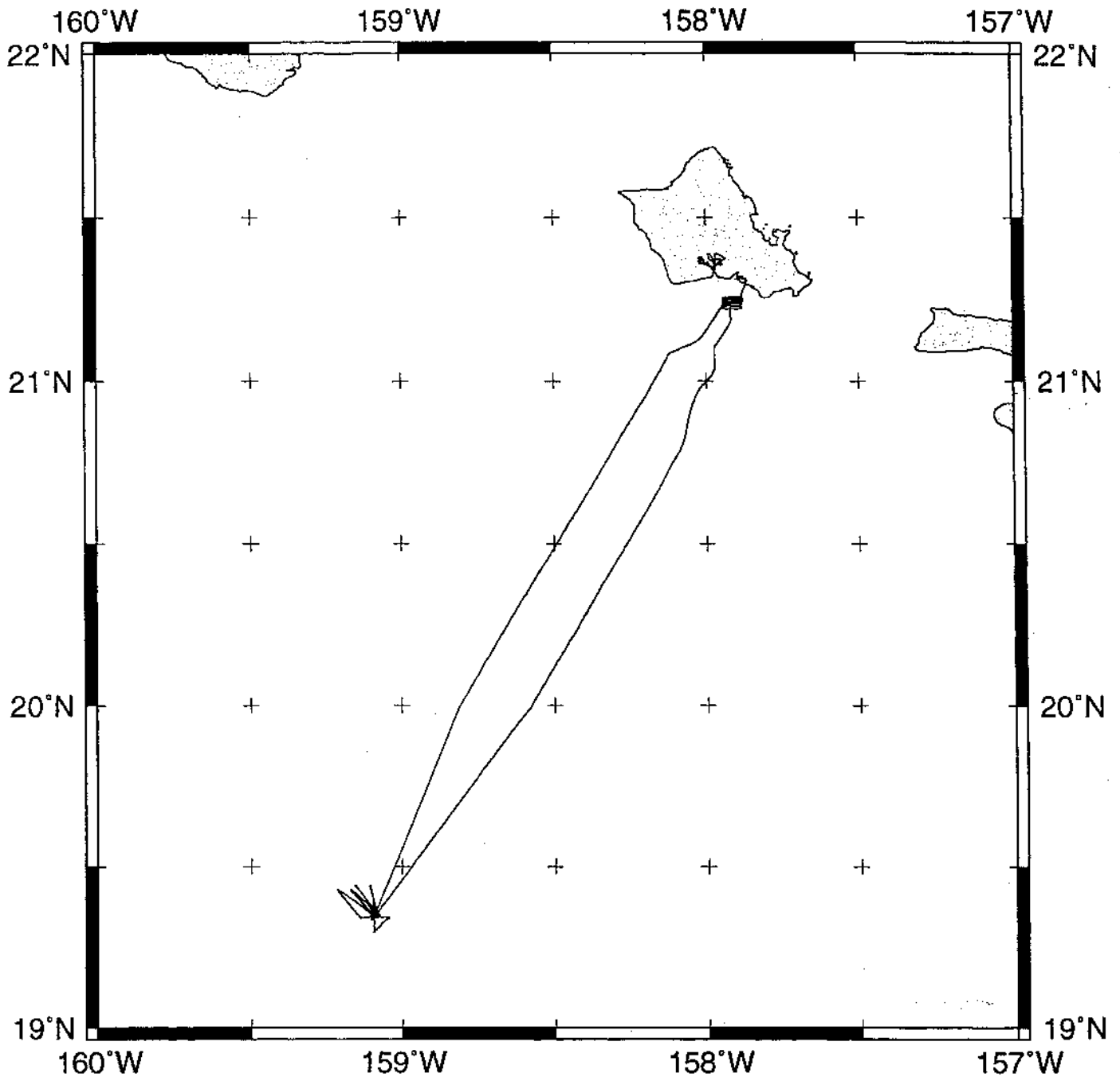
NOTE: One or more of the underway data types may not be collected on a given leg. For information on the availability and reproduction costs of data in the following forms, contact S.M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0223. Phone: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



PANORAMA EXPEDITION LEG 7

CHIEF SCIENTIST: Ralph Stephen, Woods Hole

PORTS: Honolulu - Honolulu, Hawaii

DATES: 12 - 20 June 1998

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 417 miles

Magnetics - none collected

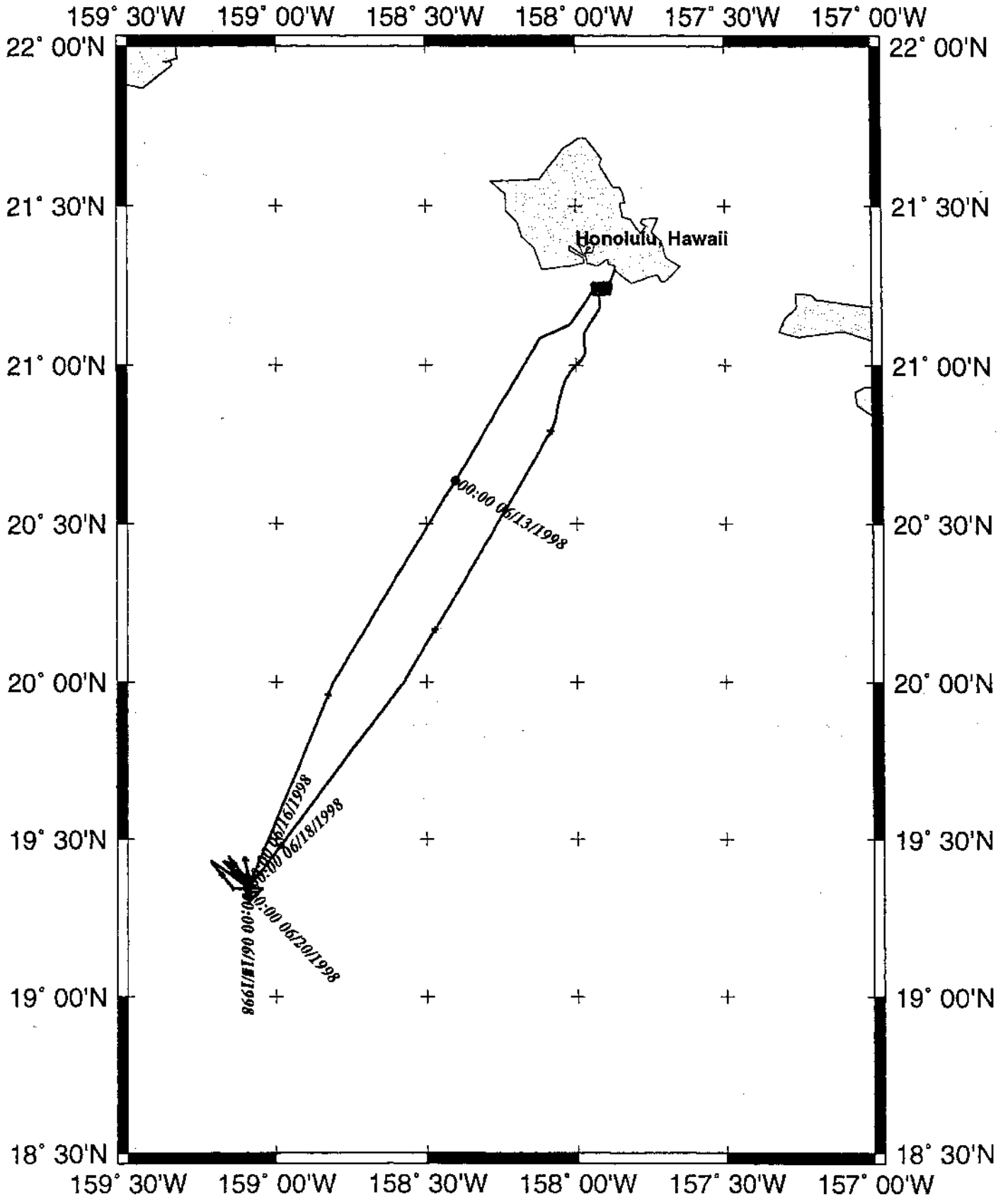
Bathymetry - 312 miles

Seismic Reflection - none collected

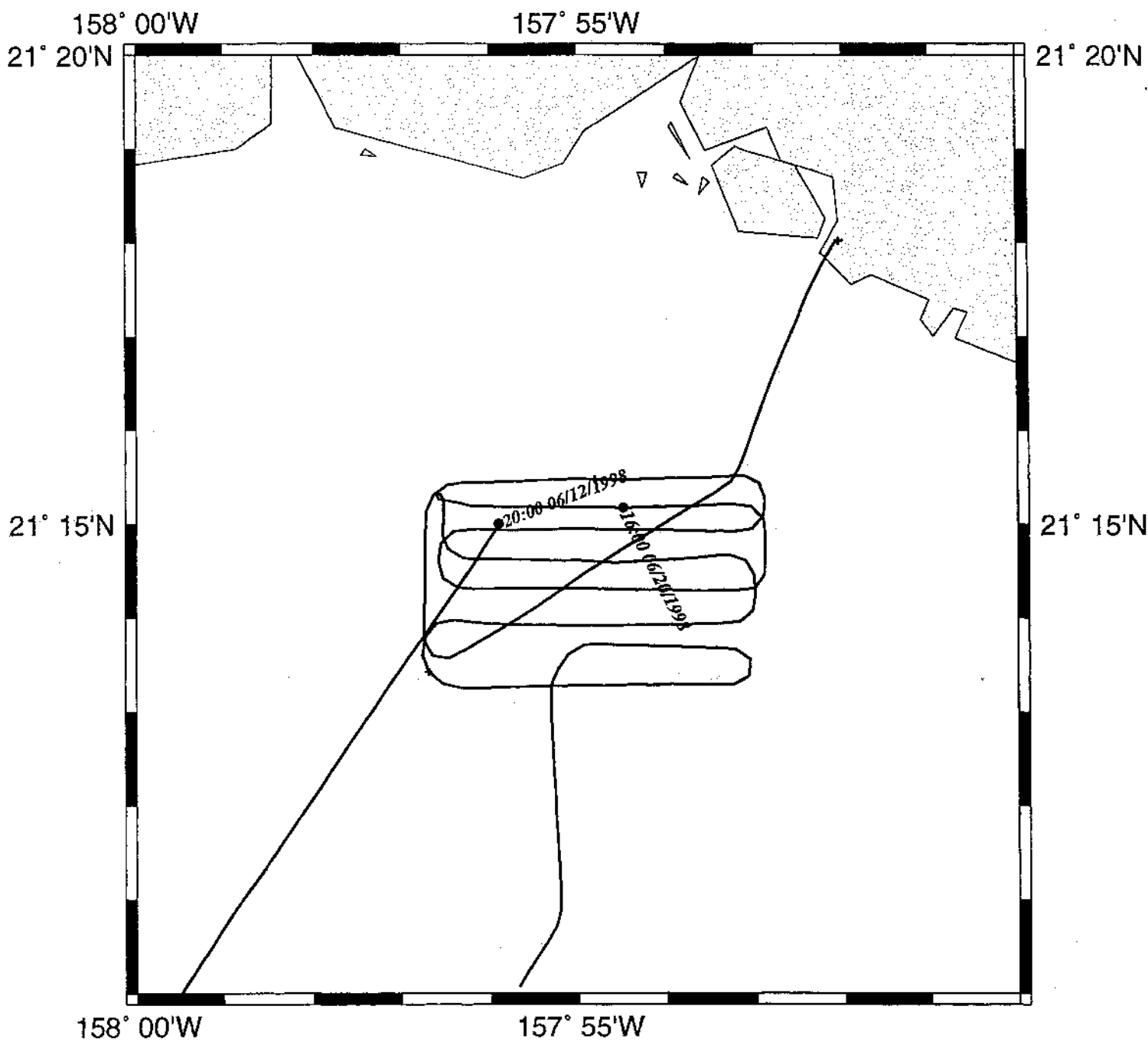
Sea Beam - 312 miles

Gravity - collected but not funded

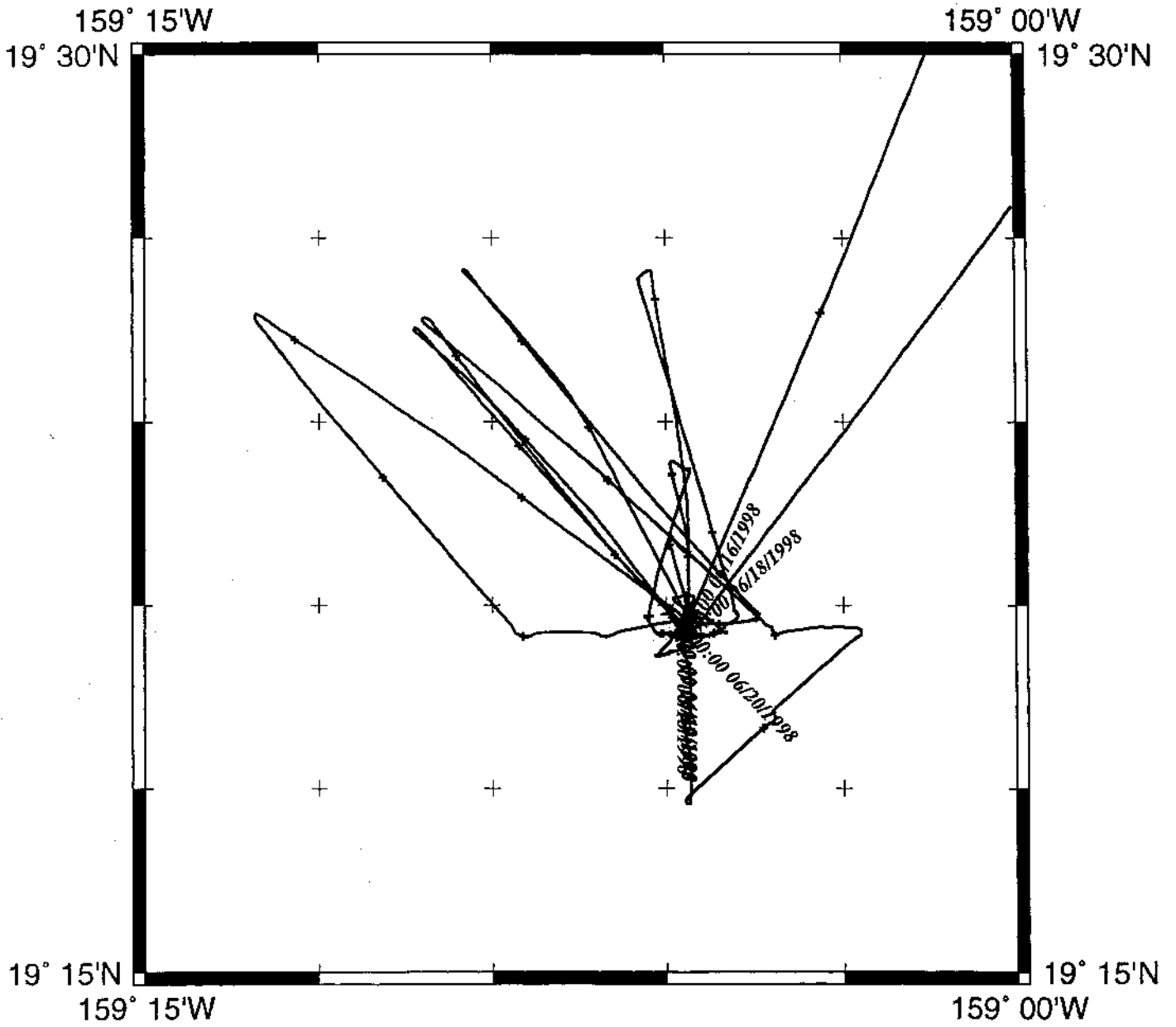
PANR07MV Track

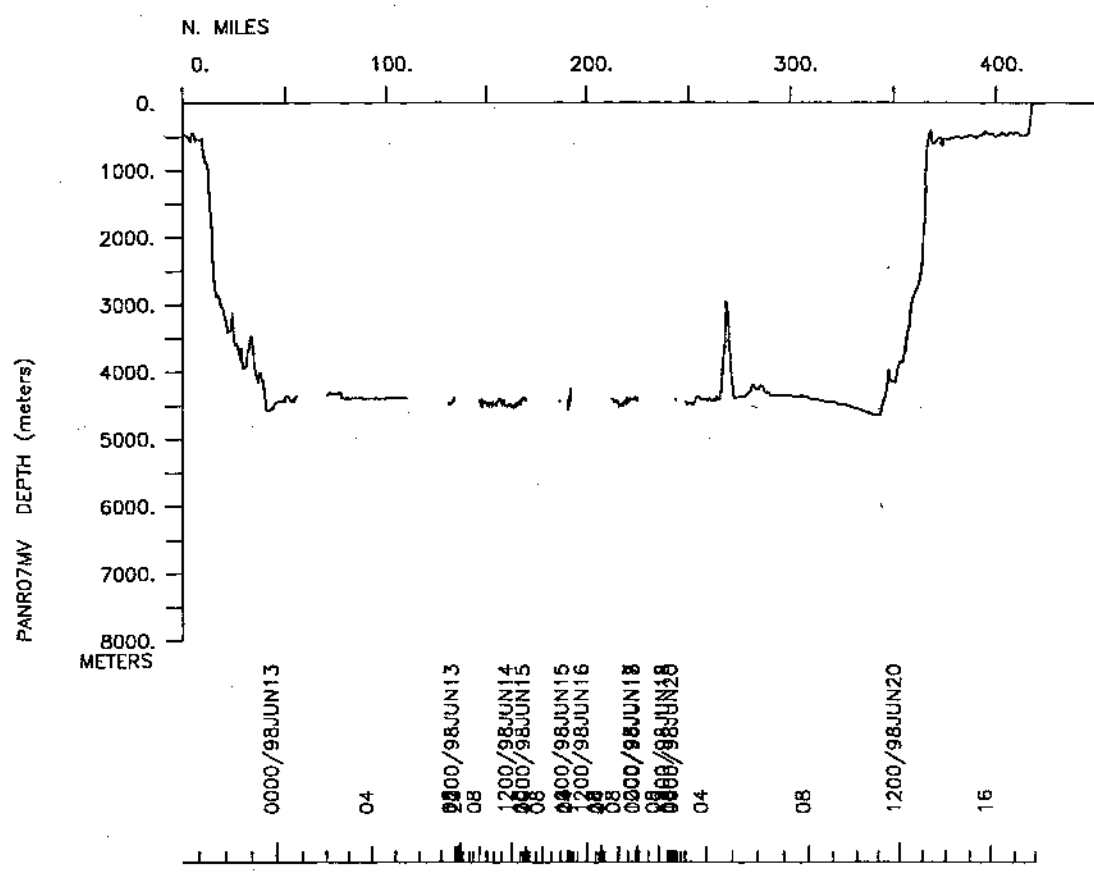
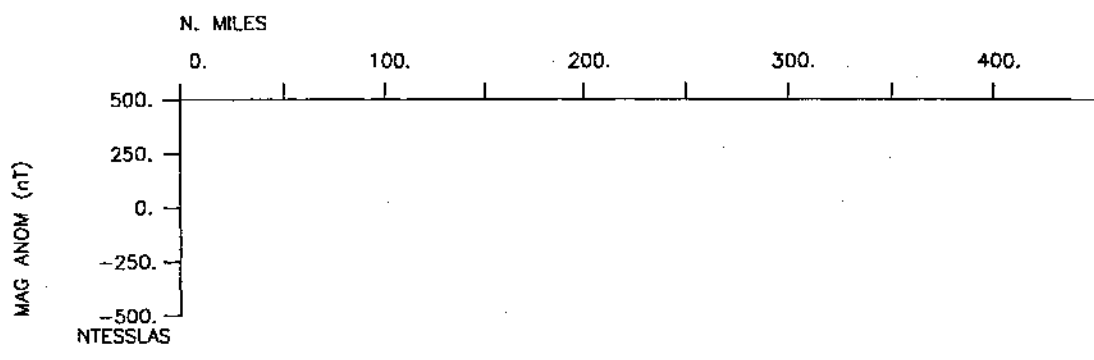
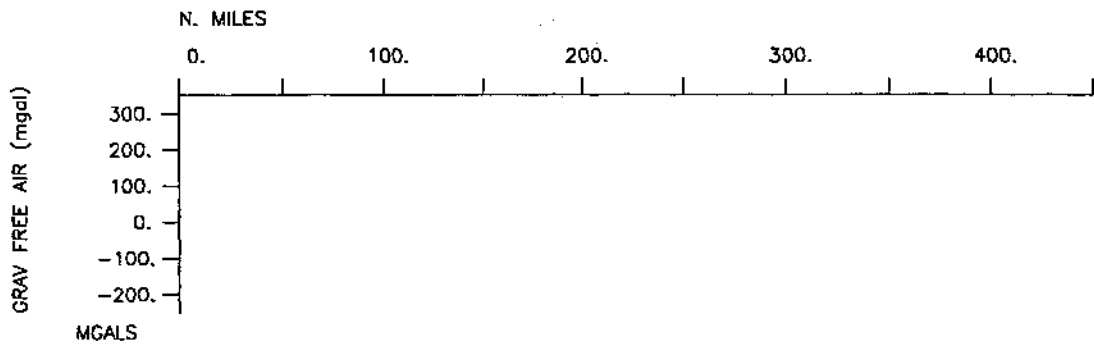


PANR07MV SurveyN



PANR07MV SurveyS





| #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 *** | | | | | | | | | | |
| 0348 | 120698 | 0 | LBUW | B Underway Watch Log | GDC | 21-14.71N | 157-54.41W | g | | PANR07MV |
| 1800 | 200698 | 0 | LBUW | E Underway Watch Log | GDC | 21-18.02N | 157-52.04W | g | | PANR07MV |
| 0348 | 120698 | 0 | LBUW | B Operations Log | GDC | 21-14.71N | 157-54.41W | g | | PANR07MV |
| 1800 | 200698 | 0 | LBUW | E Operations Log | GDC | 21-18.02N | 157-52.04W | g | | PANR07MV |
| 0348 | 120698 | 0 | LBSC | B Scientific Log | GDC | 21-14.71N | 157-54.41W | g | | PANR07MV |
| 1800 | 200698 | 0 | LBSC | E Scientific Log | GDC | 21-18.02N | 157-52.04W | g | | PANR07MV |
| #*** Sea Beam Records (vertical beam and side scan) *** | | | | | | | | | | |
| 1957 | 120698 | 0 | MBSR | B v.beam&sscan r-01 | GDC | 21-15.00N | 157-55.91W | g | | PANR07MV |
| 1800 | 200698 | 0 | MBSR | E v.beam&sscan r-01 | GDC | 21-18.02N | 157-52.04W | g | | PANR07MV |
| #*** Digital Gravity *** | | | | | | | | | | |
| 0348 | 120698 | 0 | GVDR | B Gravity-digital | GDC | 21-14.71N | 157-54.41W | g | | PANR07MV |
| 1800 | 200698 | 0 | GVDR | C Gravity-digital | GDC | 21-18.02N | 157-52.04W | g | | PANR07MV |
| #*** Sonobuoys *** | | | | | | | | | | |
| 0923 | 130698 | 0 | SBOB | recover OBS Fred | IGPP | 19-20.94N | 159-05.57W | g | | PANR07MV |
| 1049 | 130698 | 0 | SBOB | recover OBS Judy | IGPP | 19-20.77N | 159-05.49W | g | | PANR07MV |
| 1950 | 160698 | 0 | SBOB | recover OBS WHOI | WHOI | 19-20.85N | 159-05.64W | g | | PANR07MV |
| #*** Seismic Profiler *** | | | | | | | | | | |
| 0325 | 150698 | 0 | SPXX | recover BBOBS | WHOI | 19-20.64N | 159-05.66W | g | | PANR07MV |
| 0946 | 160698 | 0 | SPXX | recover BBOBS | WHOI | 19-20.49N | 159-05.40W | g | | PANR07MV |
| 0319 | 140698 | 0 | SPXX | recover seis&probe | WHOI | 19-20.53N | 159-06.07W | g | | PANR07MV |
| #*** | | | | End Sample Index | | | | | | PANR07MV |