

REPORT AND INDEX OF  
UNDERWAY MARINE GEOPHYSICAL DATA

PANORAMA EXPEDITION

LEG 8

(PANR08MV)

(R/V Melville)

(Issued September 1998)

**Ports:**

Honolulu, Hawaii (22 June 1998)

to

San Diego, California (30 June 1998)

No Chief Scientist on board:

Transit Leg

Marc Silver, Computer Technician  
Carl Mattson, Electronics Technician

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

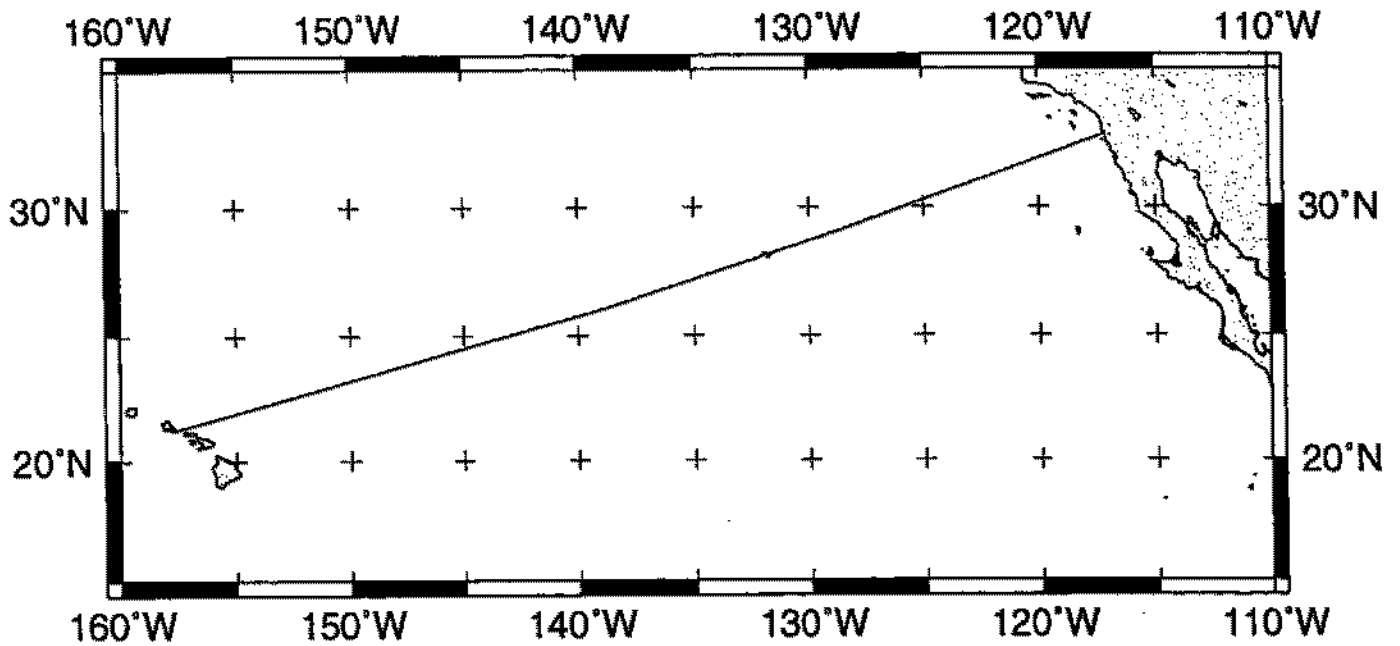
**Track Charts** - annotated with dates and hour ticks.

**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.



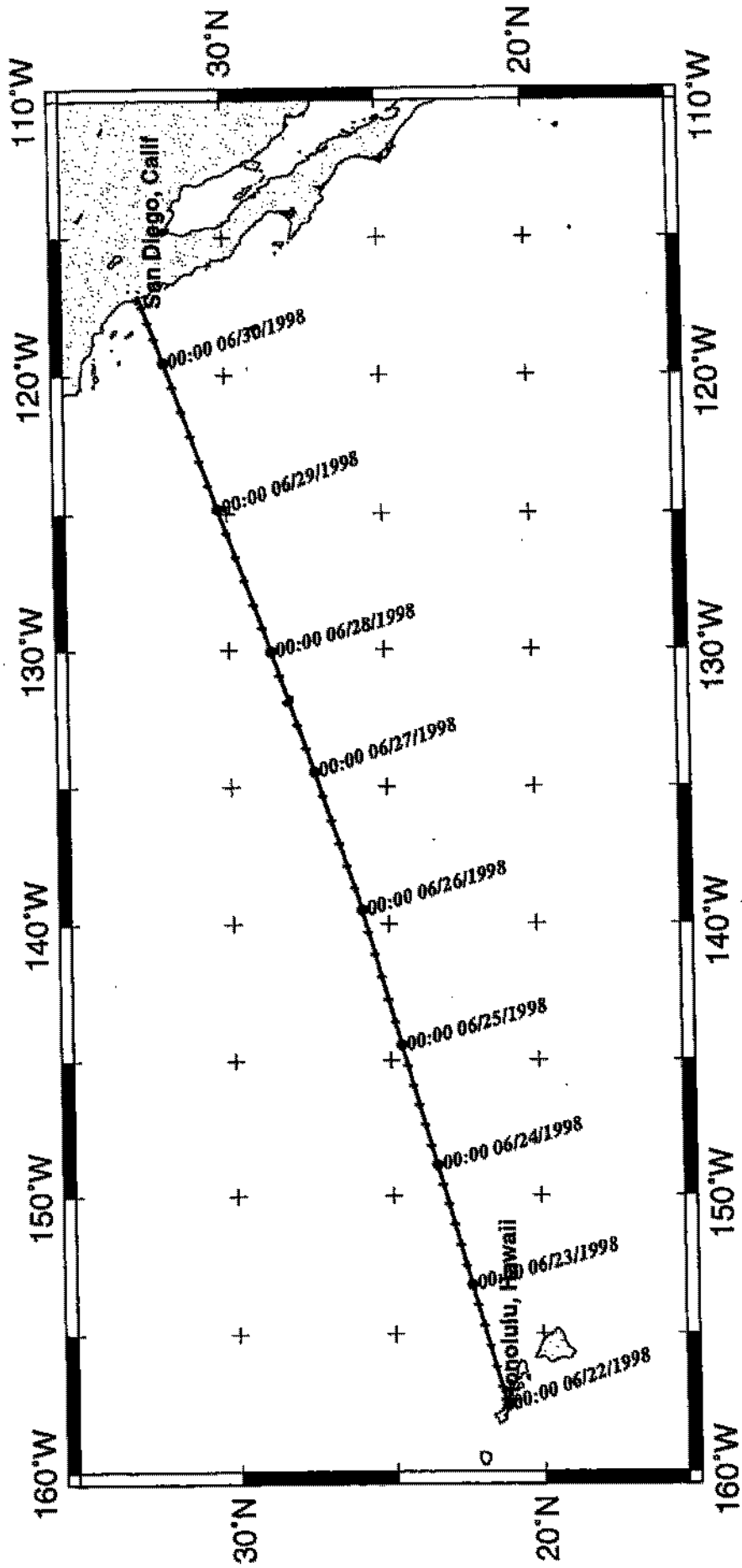
**PANORAMA EXPEDITION LEG 8**

**Technician in Charge - Marc Silver, SIO**  
**PORTS: Honolulu, Hawaii - San Diego, California**  
**DATES: 22 - 30 June 1998**  
**SHIP: R/V Revelle**

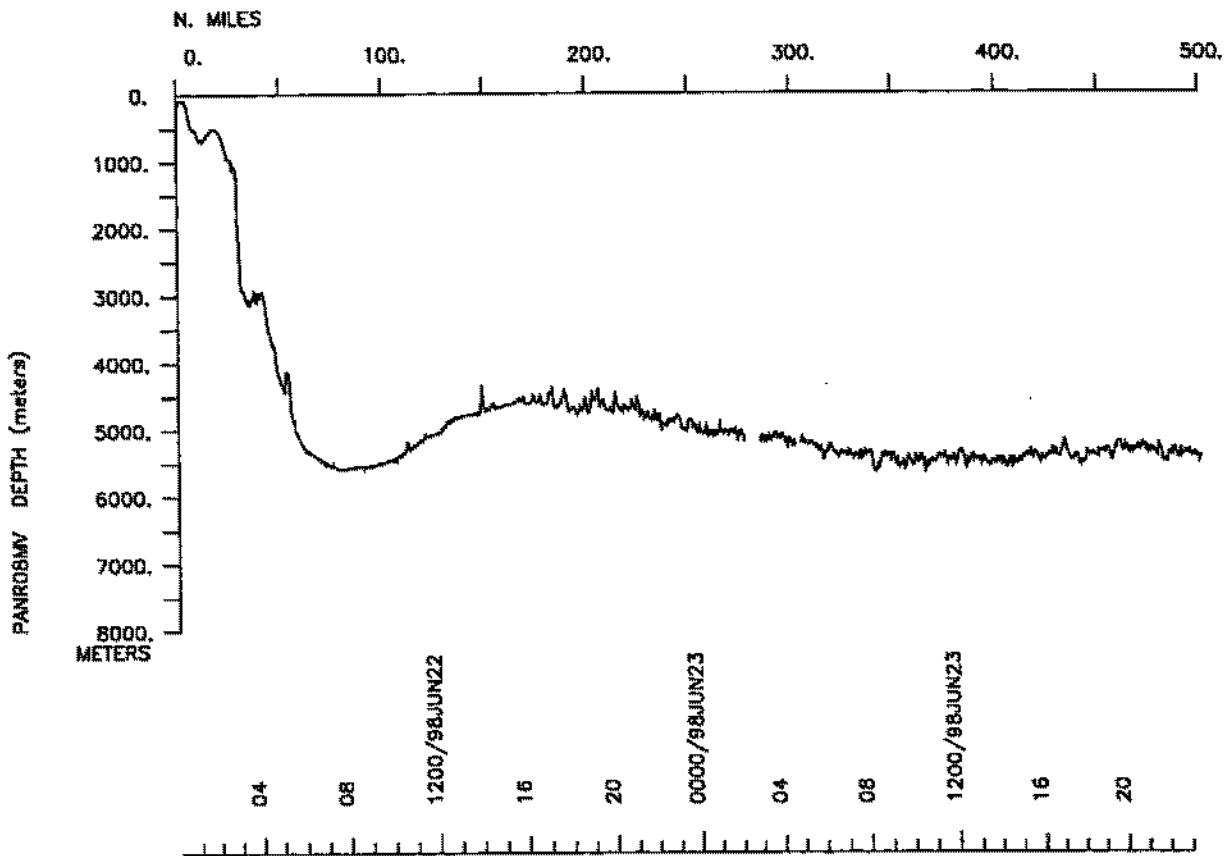
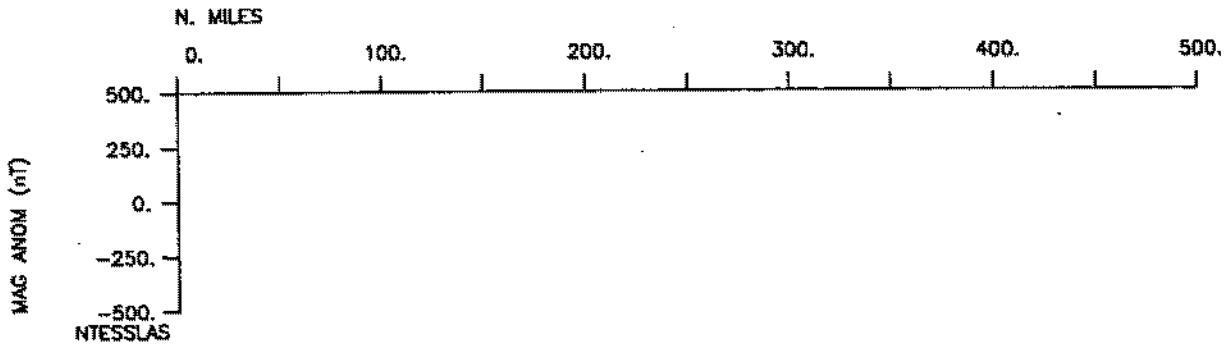
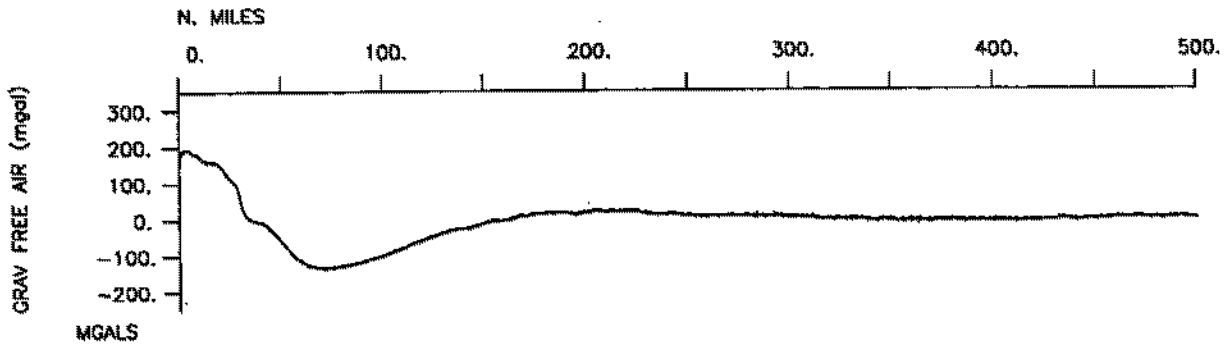
**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

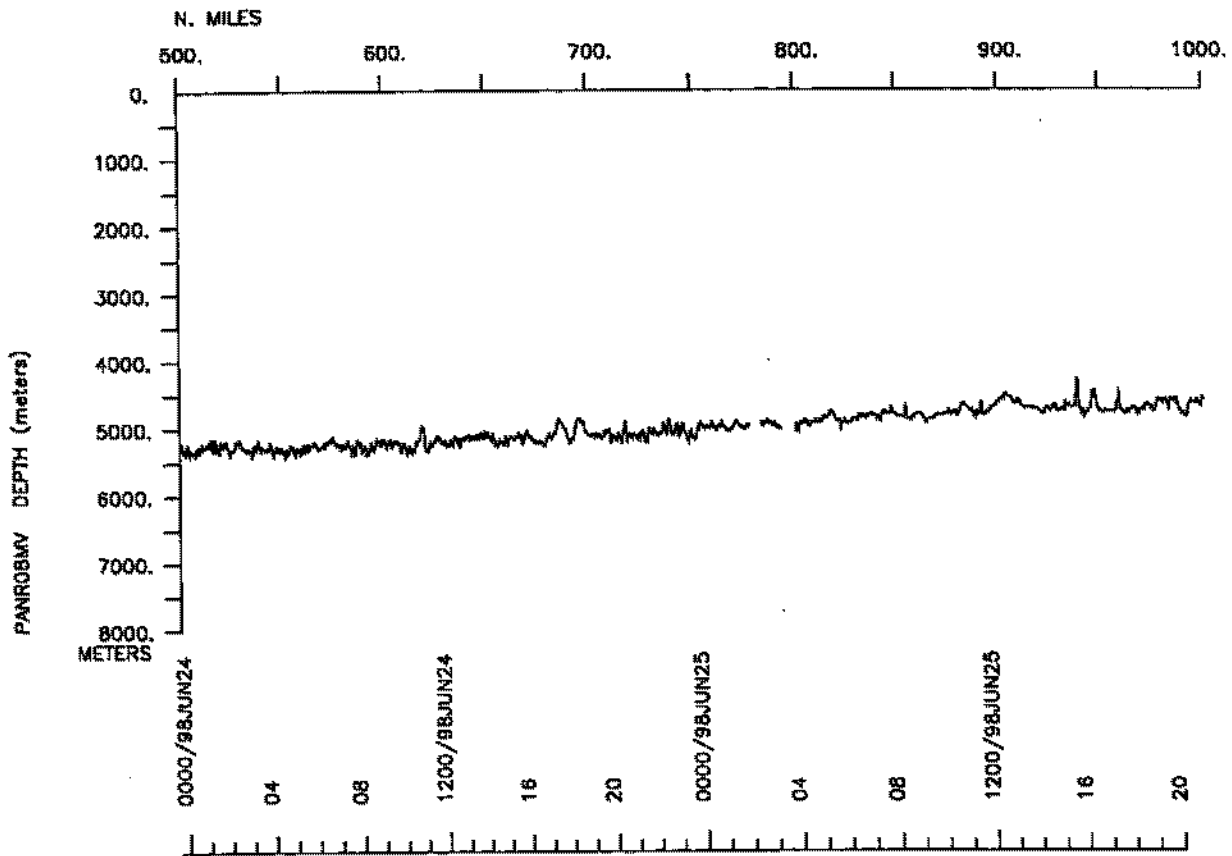
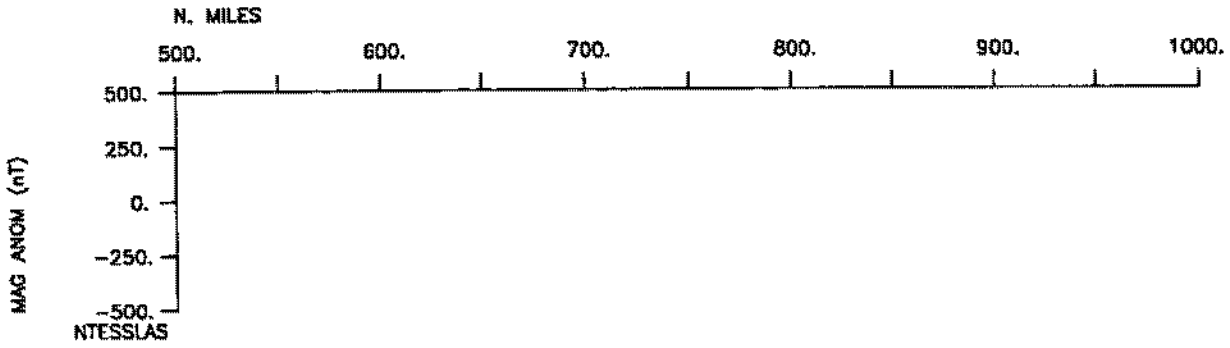
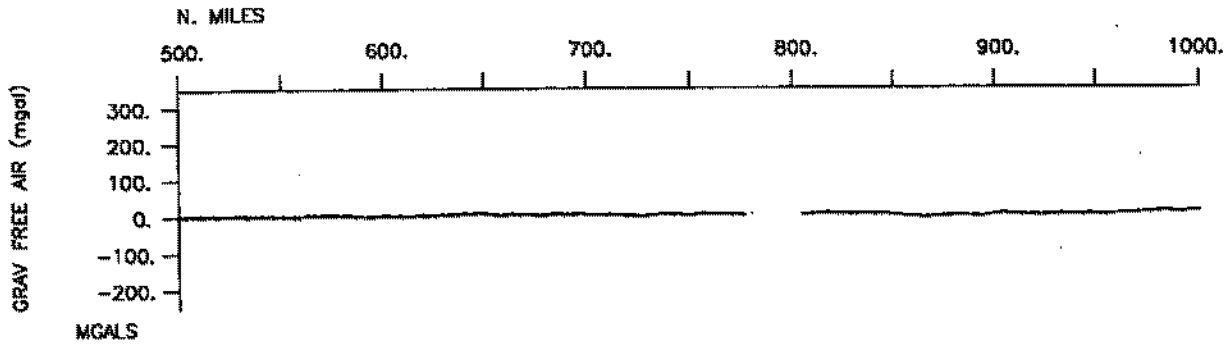
<b>Cruise - 2324 miles</b>	<b>Magnetics - none collected</b>
<b>Bathymetry - 2249 miles</b>	<b>Seismic Reflection - none collected</b>
<b>Sea Beam - 2249 miles</b>	<b>Gravity - 2279 miles</b>

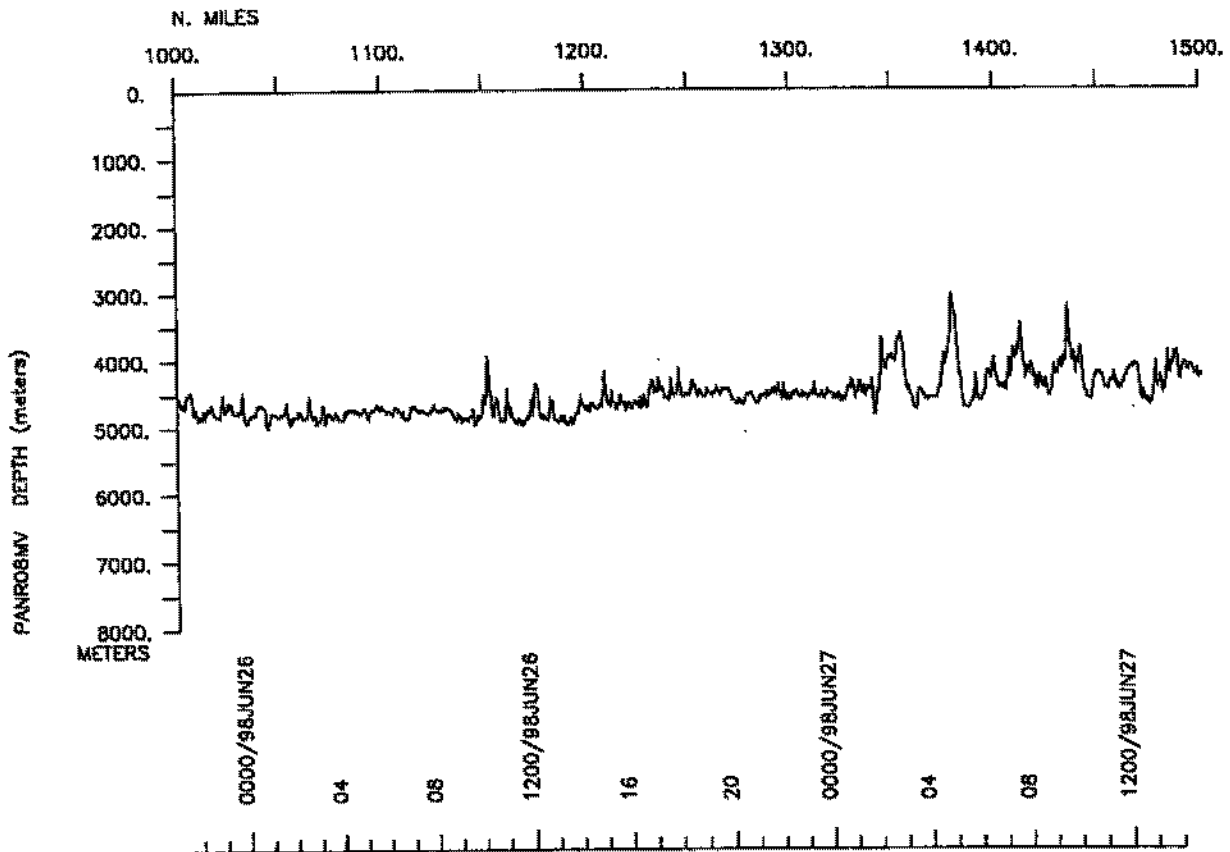
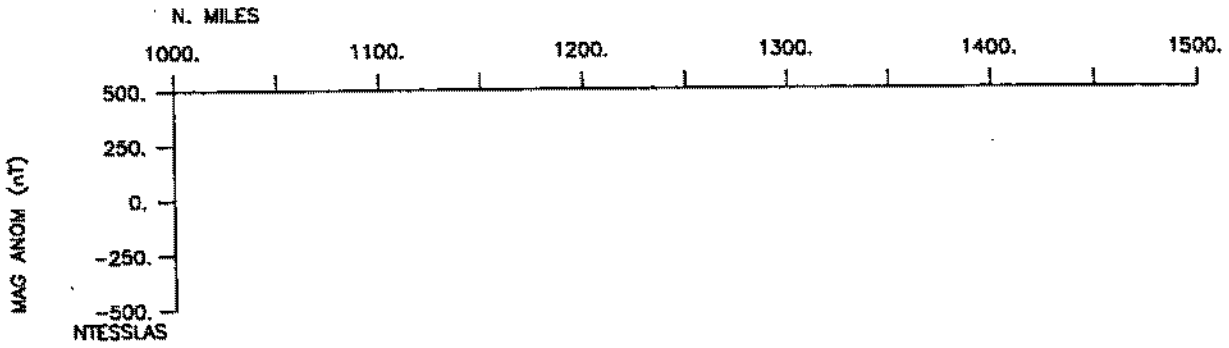
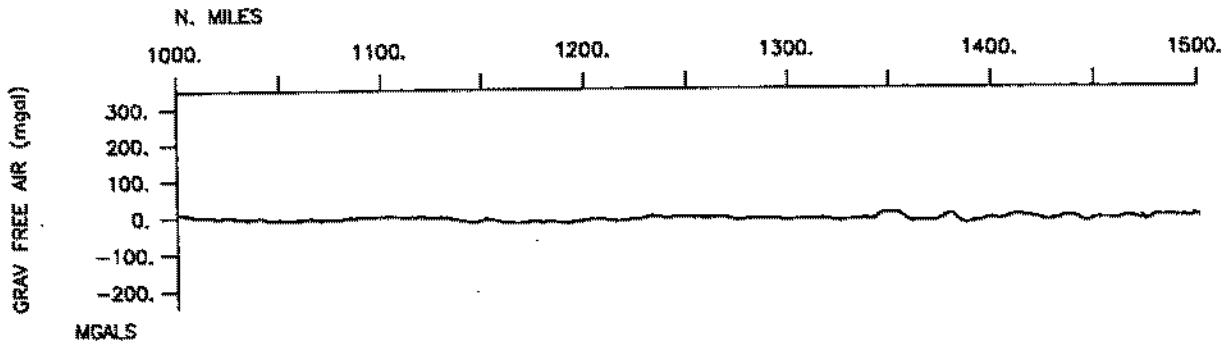
# PANR08MV Track

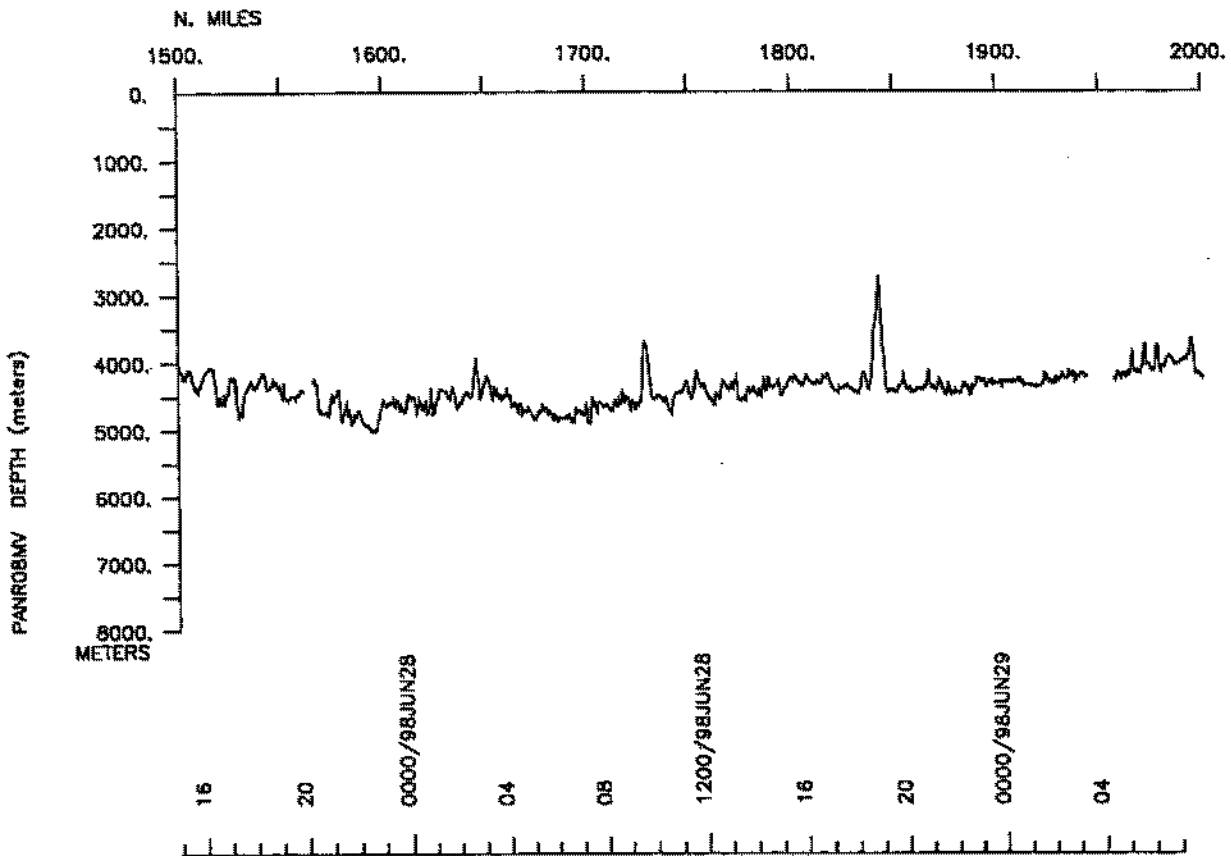
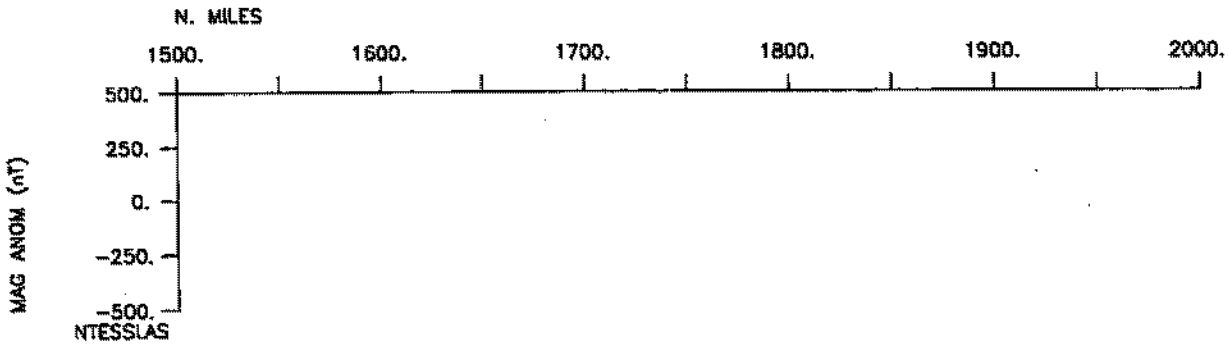
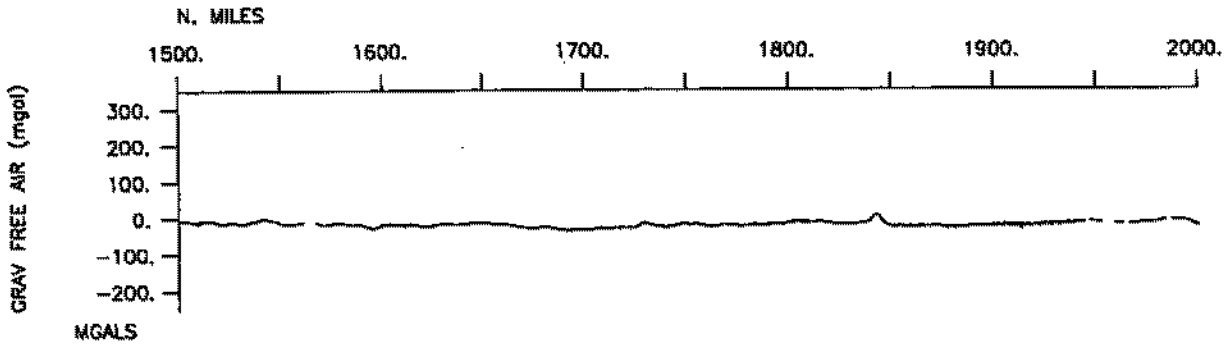


GMT Sep 25 14:50 :Honolulu, Hawaii 7 June 1998 - San Diego 28 June 1998:

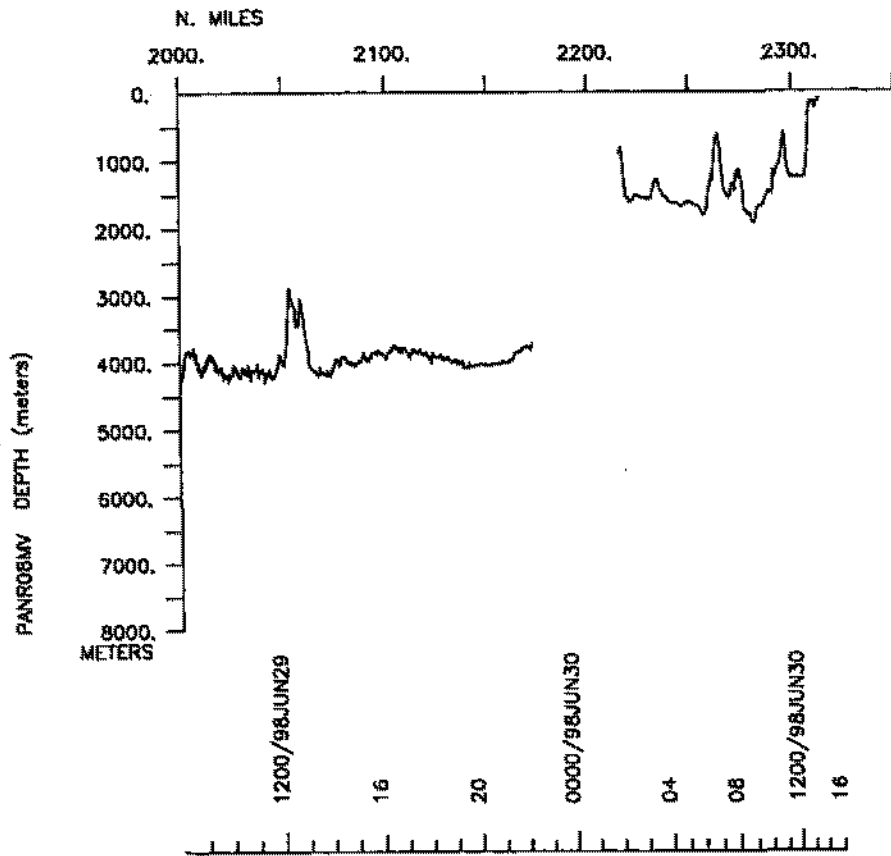
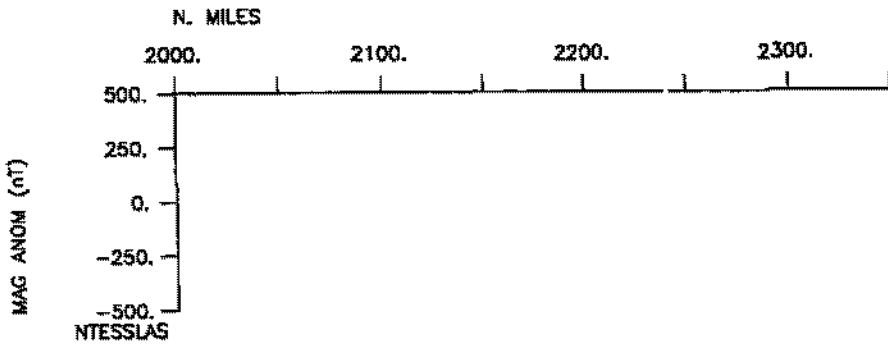
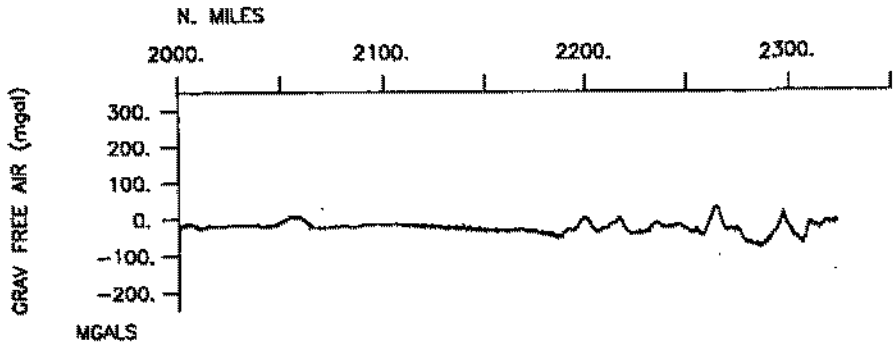












**S.I.O. SAMPLE INDEX**

**PANORAMA EXPEDITION**

**Leg 8**

**(PANR08MV)**

**R/V Melville**

**(Issued September 1998)**

**PORTS:**

Honolulu, Hawaii (22 June 1998)

to

San Diego, California (30 June 1998)

No Chief Scientist on board:  
Transit Leg

*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.# 278**

\*\*\*\* Ports \*\*\*

0000	220698	0	LGPT B Honolulu, Hawaii	21-18.00N 157-52.00W	f	PANR08MV
1600	300698	0	LGPT E San Diego, Calif.	32-43.00N 117-11.00W	f	PANR08MV

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

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECT SCG	Silver, Marc	Computer Tech	Scripps Institution	PANR08MV
PEET ODF	Mattson, Carl	Electronics Tech	Scripps Institution	PANR08MV

\*\*\*\* 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 \*\*\*\*

\*\*\*\* Sea Beam Digital Data (vertical beam and side scan) \*\*\*\*

0000	220698	0	MBSR B v.beam&sscan	GDC	21-15.60N 157-37.80W	g	PANR08MV
1600	300698	0	MBSR E v.beam&sscan	GDC	32-42.40N 117-14.19W	g	PANR08MV

\*\*\*\* Digital Gravity \*\*\*\*

0000	220698	0	GVDR B Gravity-digital	GDC	21-15.60N 157-37.80W	g	PANR08MV
1600	300698	0	GVDR E Gravity-digital	GDC	32-42.40N 117-14.19W	g	PANR08MV

\*\*\*\* End Sample Index PANR08MV