

*REPORT AND INDEX OF
UNDERWAY MARINE GEOPHYSICAL DATA*

ROSE CANYON EXPEDITION

(RSCN01MV)

(R/V Melville)

(Issued October 1998)

Ports:

San Diego, California (13 October 1997)

to

San Diego, California (17 October 1997)

Chief Scientist:

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Ron Moe, Computer Technician
Tammy Koonce, Resident Technician

Post-Cruise Processing and Report Preparation by the
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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.# 277

**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.

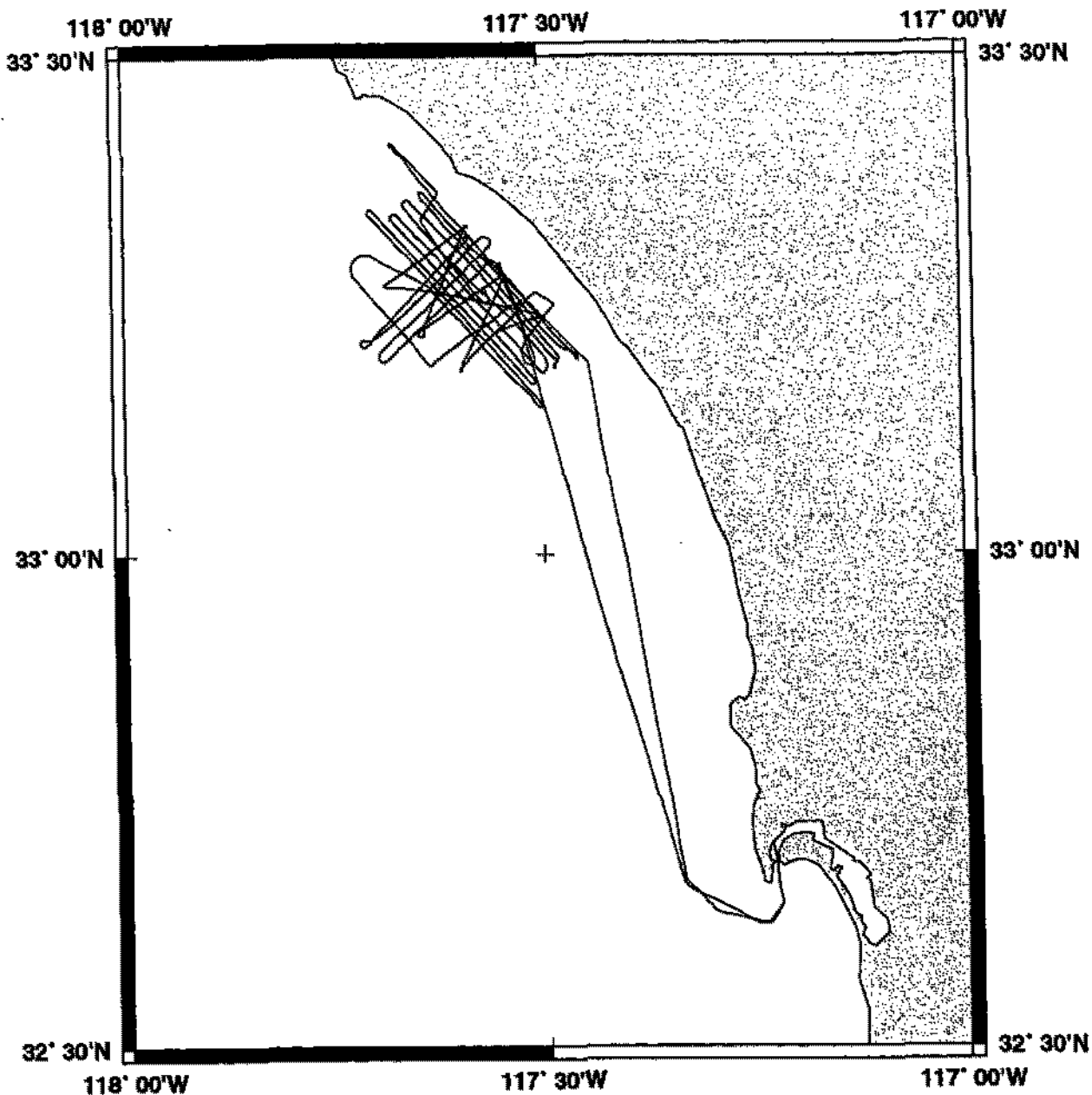
Track Charts - annotated with dates and hour ticks.

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.



ROSE CANYON EXPEDITION Leg 1

CHIEF SCIENTIST: Kevin Brown, Scripps Institution

PORTS: San Diego - San Diego, California

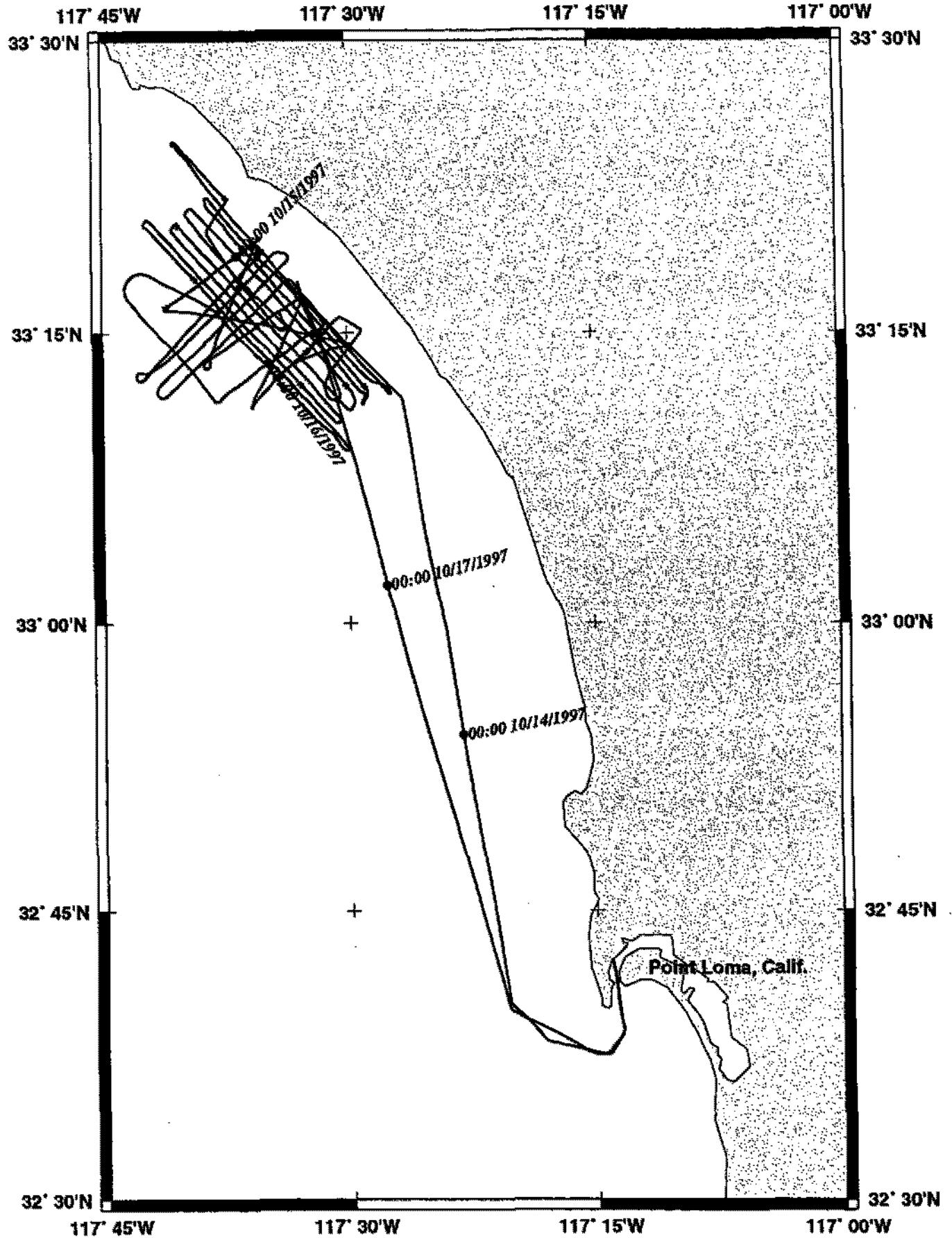
DATES: 13 - 17 October 1997

SHIP: R/V Melville

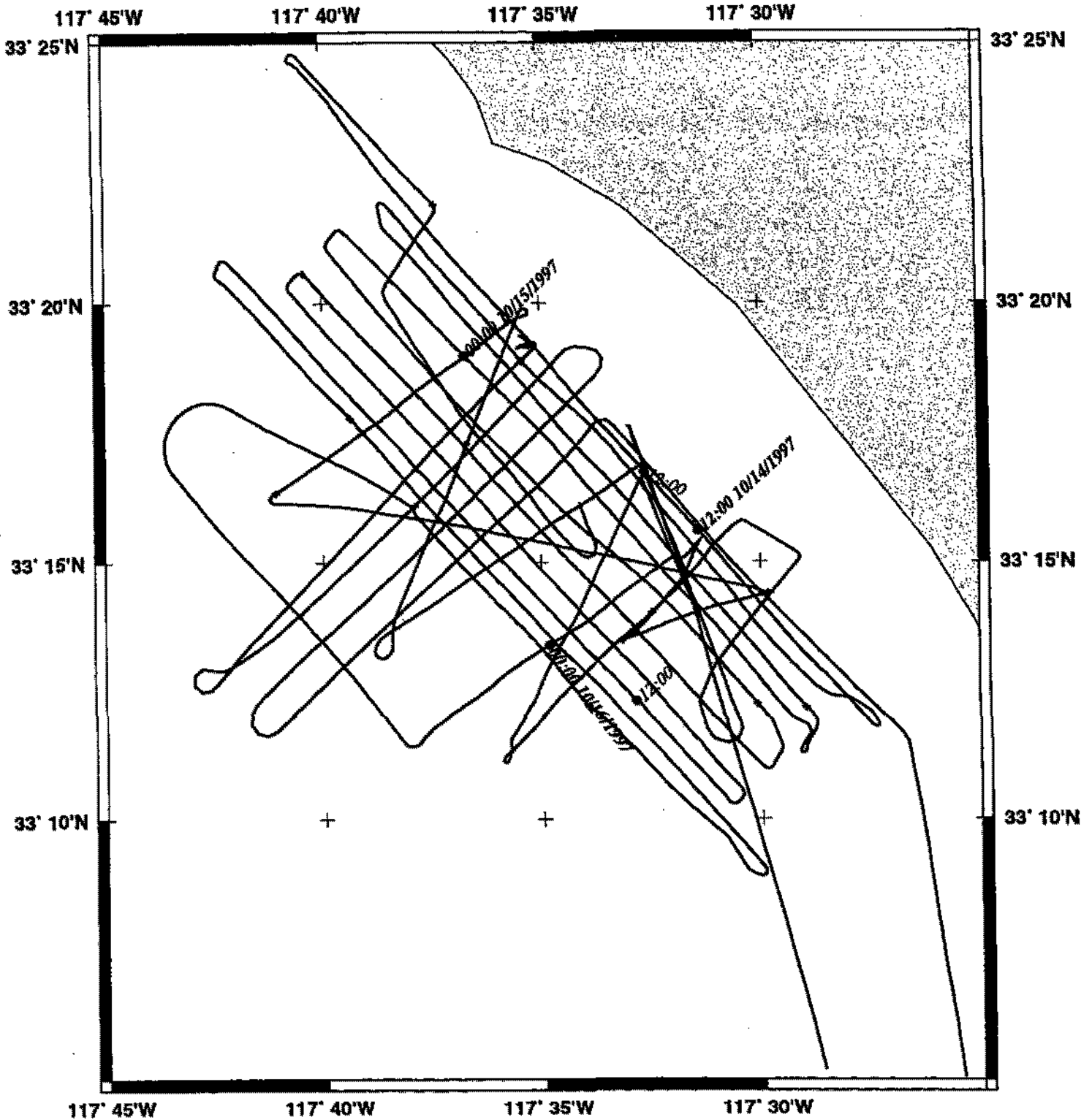
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

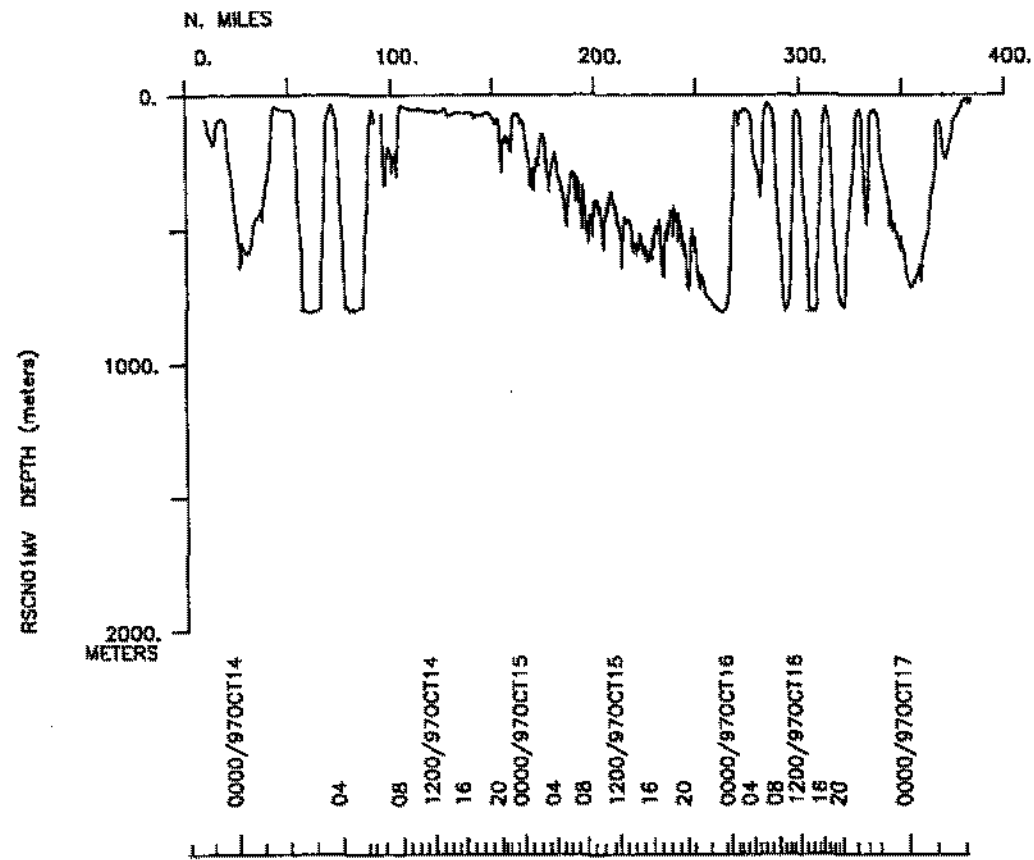
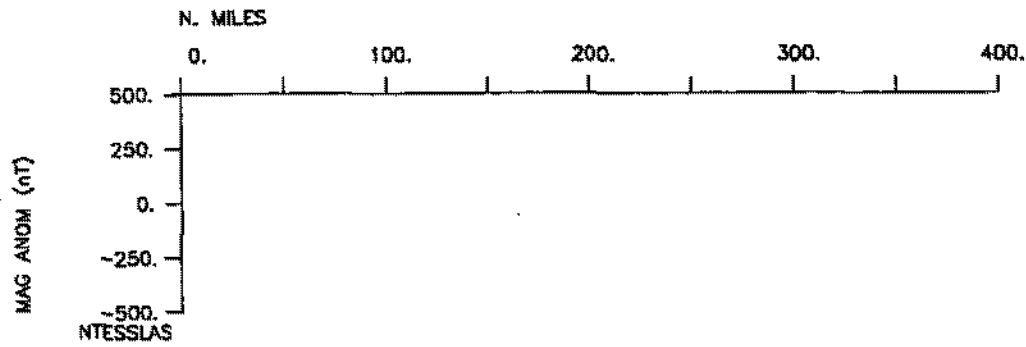
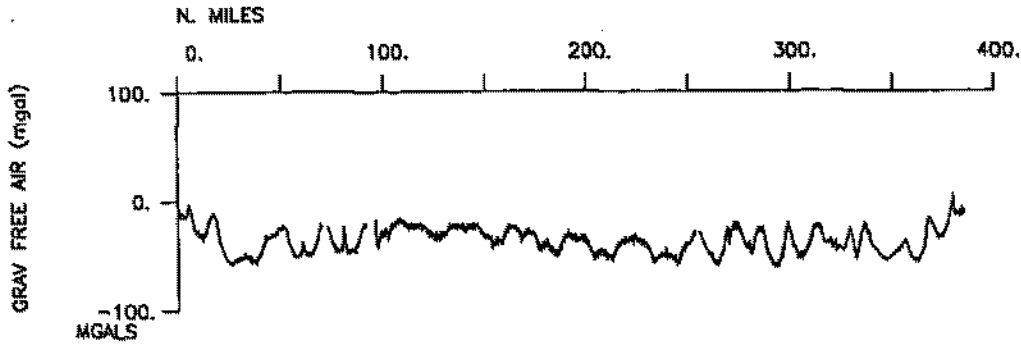
Cruise - 384 miles	Magnetics - none collected
Bathymetry - 372 miles	Seismic Reflection - none collected
Sea Beam - 372 miles	Gravity - 380 miles

RSCN01MV Track



RSCN01MV Survey





S.I.O. SAMPLE INDEX

ROSE CANYON EXPEDITION

Leg 1

(RSCN01MV)

R/V Melville

(Issued October 1998)

PORTS:

San Diego, California (13 October 1997)

to

San Diego, California (17 October 1997)

Chief Scientist:

Kevin Brown, 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.# 277

**** Ports ***

2142	130997	LGPT B San Diego	32.14.00N 117-11.00W E	RSCN01MV
0240	171097	LGPT E San Diego	32.14.00N 117-11.00W E	RSCN01MV

**** Personnel ***

#	*****Name*****	*****Title*****	*****Affiliation*****	**Crid**	
PECS	SIO	Brown, K.	Chief Scientist	Scripps Institution	RSCN01MV
PESP	SIO	Babcock, J.	Observer	Scripps Institution	RSCN01MV
PEST	SIO	Hallenberg, E.	Grad Student	Scripps Institution	RSCN01MV
PEST	SIO	Price, E.	Grad Student	Scripps Institution	RSCN01MV
PESP	SIO	Sauter, A.	Scientist	Scripps Institution	RSCN01MV
PEST	SIO	Kanjorski, N.	Grad Student	Scripps Institution	RSCN01MV
PEST	SIO	Shaw, A.	Grad Student	Scripps Institution	RSCN01MV
PEST	SIO	Andres, M.	Grad Student	Scripps Institution	RSCN01MV
PEST	SIO	Lyons, S.	Grad Student	Scripps Institution	RSCN01MV
PEST	SIO	Selkin, P.	Grad Student	Scripps Institution	RSCN01MV
PESP	SIO	Constable, S.	Scientist	Scripps Institution	RSCN01MV
PEST	SIO	Dorman, L.	Senior Scientist	Scripps Institution	RSCN01MV
PEST	SIO	Jennings, P.	Staff Writer	Scripps Institution	RSCN01MV
PEVL	VOL	Trujillio, A.	Observer	Palomar College	RSCN01MV
PEST	SIO	Key, K.	Grad Student	Scripps Institution	RSCN01MV
PESP	SIO	Green, S.	Photographer	Scripps Institution	RSCN01MV
PESP	SIO	Fisher, F.	Scientist	Scripps Institution	RSCN01MV
PEBO	GDC	Smith, S.	Technician	Scripps Institution	RSCN01MV
PESP	SIO	Escher, S.	Technician	Scripps Institution	RSCN01MV
PECT	SCG	Moe, R.	Computer Tech	Scripps Institution	RSCN01MV
PESP	SIX	Wietz, J.	Technician	Datasonics	RSCN01MV
PERT	STS	Koonce, T.	Resident Tech	Scripps Institution	RSCN01MV

**** 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 ****

0125	141097	0	LBSC	B Scientific log book	SIO	33-11.30N	117-26.63W	g	RSCN01MV
2017	161097	0	LBSC	E Scientific log book	SIO	33-16.14N	117-40.72W	g	RSCN01MV

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

2250	131097	0	MBSR	B v.beam&sidescan r-01	GDC	32-40.48N	117-20.41W	g	RSCN01MV
2330	151097	0	MBSR	E v.beam&sidescan r-01	GDC	33-12.51N	117-36.28W	g	RSCN01MV
0000	161097	0	MBSR	B v.beam&sidescan r-02	GDC	33-13.38N	117-34.83W	g	RSCN01MV
2230	161097	0	MBSR	E v.beam&sidescan r-02	GDC	33-14.84N	117-31.72W	g	RSCN01MV
2300	161097	0	MBSR	B v.beam&sidescan r-03	GDC	33-15.52N	117-32.20W	g	RSCN01MV
0210	171097	0	MBSR	E v.beam&sidescan r-03	GDC	32-38.95N	117-13.45W	g	RSCN01MV

**** Gravity Digital Data ****

2140	131097	0	GVDR	B gravity	GDC	32-40.48N	117-20.41W	g	RSCN01MV
0210	171097	0	GVDR	E gravity	GDC	32-38.95N	117-13.45W	g	RSCN01MV

**** Sidescan Data ****

0801	141097	0	MBXX	B Datasonics sidescan	SIO	33-21.91N	117-37.41W	g	RSCN01MV
2025	161097	0	MBXX	E Datasinics sidescan	SIO	33-16.12N	117-40.25W	g	RSCN01MV

**** Seismic Reflection Records ****

0151	161097	0	SBOB	seismic free vehicle	SIO	33-14.72N	117-31.78W	g	RSCN01MV
0226	161097	0	SBOB	seismic free vehicle	SIO	33-16.54N	117-32.54W	g	RSCN01MV
2125	161097	0	SBOB	seismic free vehicle	SIO	33-14.39N	117-29.75W	g	RSCN01MV
2209	161097	0	SBOB	seismic free vehicle	SIO	33-13.48N	117-33.13W	g	RSCN01MV

**** End Sample Index RSCN01MV