

*Report and Index of*  
*Underway Marine Geophysical Data*  
**REVELLE TEST TRIP**  
**LEG 1**  
**(REVT01RR)**  
**R/V ROGER REVELLE**  
**(Issued December 1996)**

**Ports:**

San Diego, California (27 September 1996)  
to  
San Diego, California (3 October 1996)

**Chief Scientist:**

Woody Sutherland - Scripps Institution of Oceanography

Resident Marine Technicians - John Boaz & Gene Pillard  
Computer Technician - James Charters  
No SeaBeam/UW Processor on board

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

Data Collection and Processing Funded by  
NSF OCE94-00707

*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.# 271

**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 if collected on the cruise leg.

**NOTE:** One or more of the underway data types may not be collected on a given cruise 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

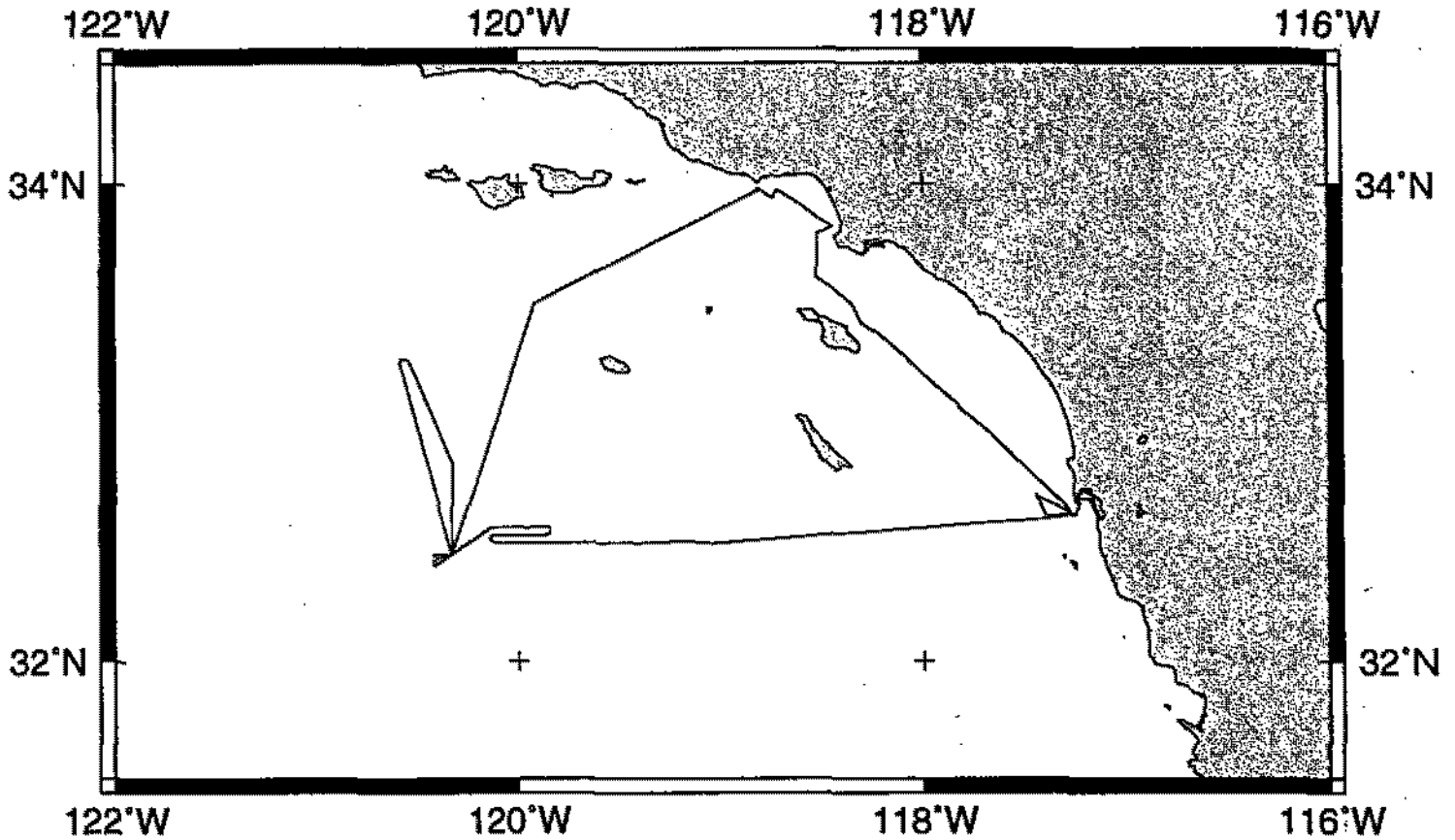
1. Files on Exabyte or DAT:
  - a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
  - b) These same data in a merged ASCII file in the MGD77 Exchange Format.
  - c) SeaBeam depth data (binary, Sun byte order) in SIO Swath Bathymetry Format. (\*)
  - d) SeaBeam Sidescan data. (\*)
  
2. Microfilm (35 mm flowfilm) or hard copies of:
  - a) Underway watch log book
  - b) SeaBeam vertical beam profile/Sidescan records.
  - c) Echosounder records - 3.5 kHz frequency.
  - d) Magnetometer records.
  - e) Seismic reflection profiler records.
  
3. Navigation listing with times and positions of fixes and course and speed changes.

4. Plots:

- a) Copies of archived track plots.
- b) Copies of archived SeaBeam contour plots.
- c) Custom plots in Mercator projection:
  - 1) Track plots.
  - 2) SeaBeam depth contour plots.
  - 3) Depth, magnetic or gravity values printed or profiled along track.

(\* R/V Revelle Seabeam 2100 data available in SB2100 vendor format only, as of October 1996

rev10/96



**REVELLE TEST TRIP LEG 1**

**CHIEF SCIENTIST: Woody Sutherland, SIO**

**PORTS: San Diego - San Diego, Calif.**

**DATES: 27 September - 03 October 1996**

**SHIP: R/V Roger Revelle**

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

**Cruise - 608 miles**

**Magnetics - none collected**

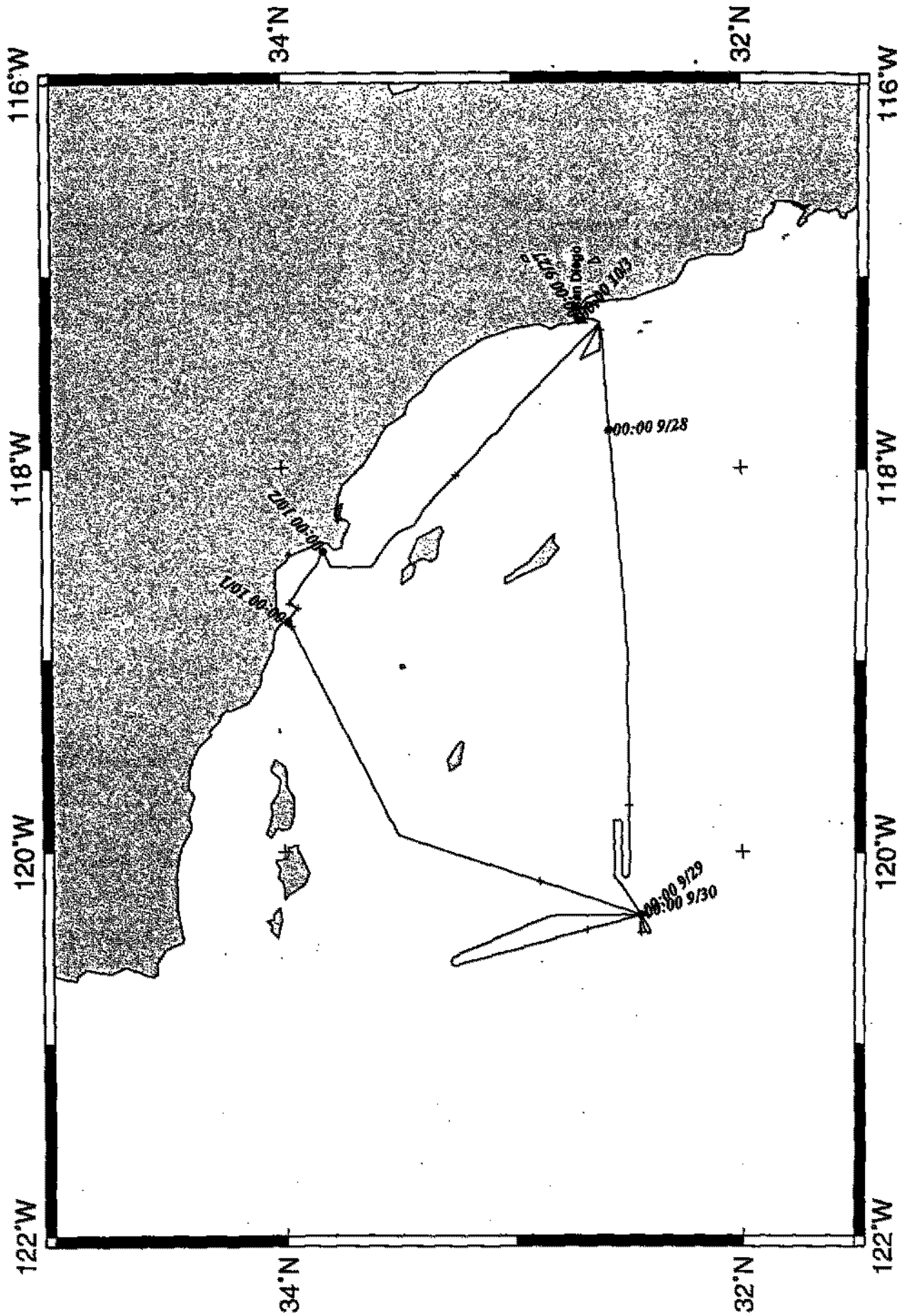
**Bathymetry - 468 miles**

**Seismic Reflection - none collected**

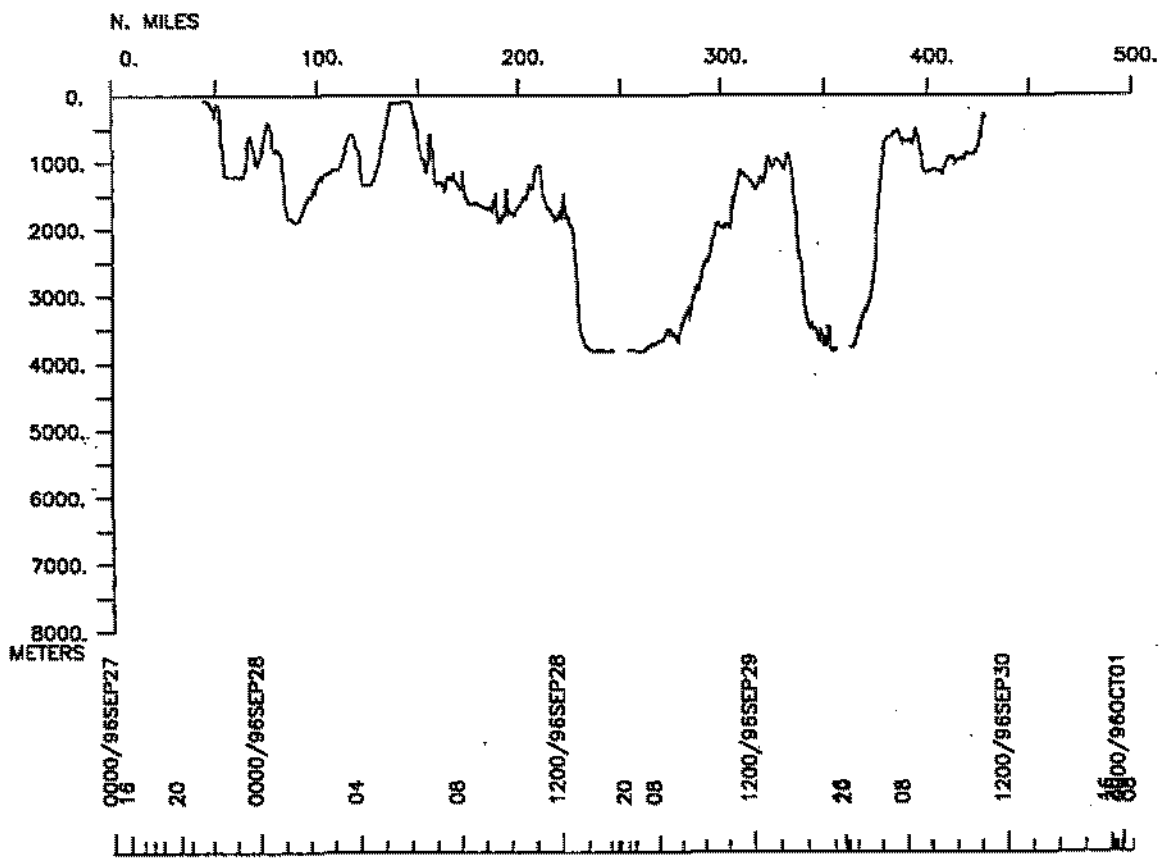
**Sea Beam - 468 miles**

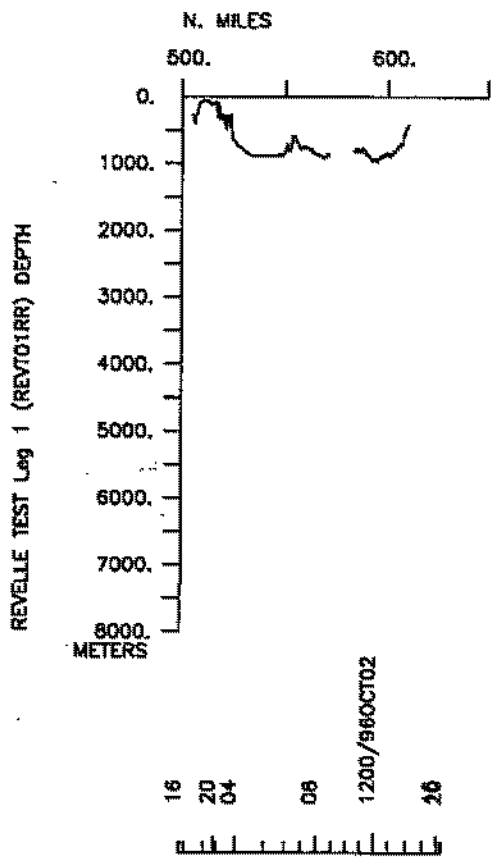
**Gravity - none collected**

# R/V Revelle Test Cruise Leg 01



REVELLE TEST L-9 1 (REV101RR) DEPTH





**S.I.O. SAMPLE INDEX**  
**REVELLE TEST TRIP**  
**LEG 1 R/V Roger Revelle**  
**(REVT01RR)**  
(Issued December 1996)

**PORTS:**

San Diego, California (27 September 1996)  
to  
San Diego, California (3 October 1996)

**Chief Scientist:**

Woody Sutherland - Scripps Institution of Oceanography

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 cods are available from the Geological Data Center.)

GDC CRUISE I.D.# 271



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

0800 270996 LGPT B San Diego, California 32-43.00N 117-11.00W f REVT01RR  
 1200 031096 LGPT E San Diego, California 32-43.00N 117-11.00W f REVT01RR

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

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS STS	Sutherland, Woody	Chief Scientist	Scripps Institution	REVT01RR
PECT SCG	Charters, James	Computer tech	Scripps Institution	REVT01RR
PECT STS	Delahoyde, Frank	Computer tech	Scripps Institution	REVT01RR
PECT STS	Porteous, Todd	Computer tech	Scripps Institution	REVT01RR
PERT STS	Boaz, John	Resident tech	Scripps Institution	REVT01RR
PERT STS	Pillard, Gene	Resident tech	Scripps Institution	REVT01RR
PESP MARF	Arsenault, Capt.	Observer	Scripps Institution	REVT01RR
PESP SIO	Beken, Laura	Observer	Scripps Institution	REVT01RR
PESP SIO	Brueggerman, Peter	Technician	Scripps Institution	REVT01RR
PESP MLRG	Chereskin, Teresa	Scientist	Scripps Institution	REVT01RR
PEST SIO	Davis, Jana	Grad. student	Scripps Institution	REVT01RR
PESP SIO	Dufour, Rose	Observer	Scripps Institution	REVT01RR
PEST SIO	Enright, Wendy	Grad. student	Scripps Institution	REVT01RR
PESP SIO	Gustafson, Ruth	Technician	Scripps Institution	REVT01RR
PESP STS	Hallman, Craig	Technician	Scripps Institution	REVT01RR
PESP SIO	Harris, Lyn	Observer	Scripps Institution	REVT01RR
PESP SIO	Herriman, William	Scientist	NOAA	REVT01RR
PESP STS	Hiller, Scott	Technician	Scripps Institution	REVT01RR
PESP STS	Lopez, Leonard	Technician	Scripps Institution	REVT01RR
PESP STS	Masten, Doug	Technician	Scripps Institution	REVT01RR
PESP STS	Mattson, Carl	Technician	Scripps Institution	REVT01RR
PESP SIO	Morris, Michelle	Observer	Scripps Institution	REVT01RR
PESP SIO	Robles, Angelica	Technician	Scripps Institution	REVT01RR
PESP SIK	Rogers, Jim	Technician	RDI	REVT01RR
PEST SIO	Roinstad, Kim	Undergrad. student	Scripps Institution	REVT01RR
PESP SIO	Saxton, Brandon	Observer	Scripps Institution	REVT01RR
PESP MLRG	Vetter, Eric	Scientist	Scripps Institution	REVT01RR
PESP LDEO	Visbeck, Martin	Scientist	Lamont-Doherty	REVT01RR

\*\*\*\* 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 Records (vertical beam and side scan) \*\*\*\*

2200 270996 0 MBSR B v.beam&sscan r-01 GDC 32-36.29N 117-21.42W g REVT01RR  
 0511 280996 0 MBSR E v.beam&sscan r-01 GDC 32-30.06N 119-04.25W g REVT01RR

# End Sample Index REVT01RR