

*Report and Index of  
Underway Marine Geophysical Data*

**CALCOFI EXPEDITION**

**LEG 1**

**(CALF01RR)**

**R/V ROGER REVELLE**

**(Issued December 1996)**

**Ports:**

San Diego, California (10 October 1996)

to

Port San Luis, California (2 November 1996)

**Chief Scientist:**

Tom Hayward - Scripps Institution of Oceanography

Resident Marine Technician - Robert Wilson

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.# 270

**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

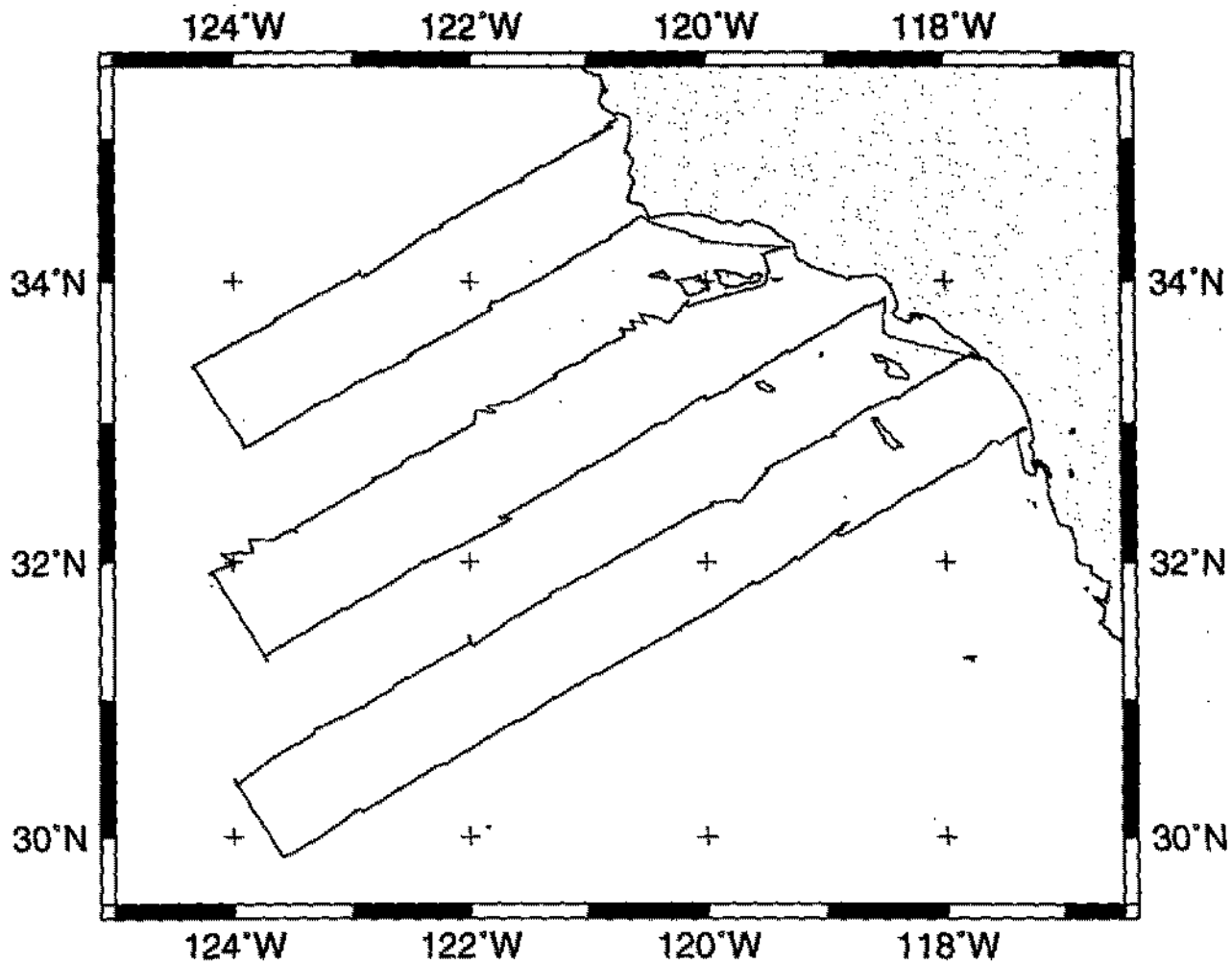
1. Files on Exabyte or DAT:
  - a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
  - b) These same data in a merged ASCII file in the MGD77 Exchange Format.
  - c) SeaBeam depth data (binary, Sun byte order) in SIO Swath Bathymetry Format. (\*)
  - d) SeaBeam 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



**CALCOFI EXPEDITION LEG 1**

**CHIEF SCIENTIST:** Tom Hayward, Scripps Institution

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

**DATES:** 10 October - 2 November 1996

**SHIP:** R/V Roger Revelle

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

**Cruise - 2278 miles**

**Magnetics - none collected**

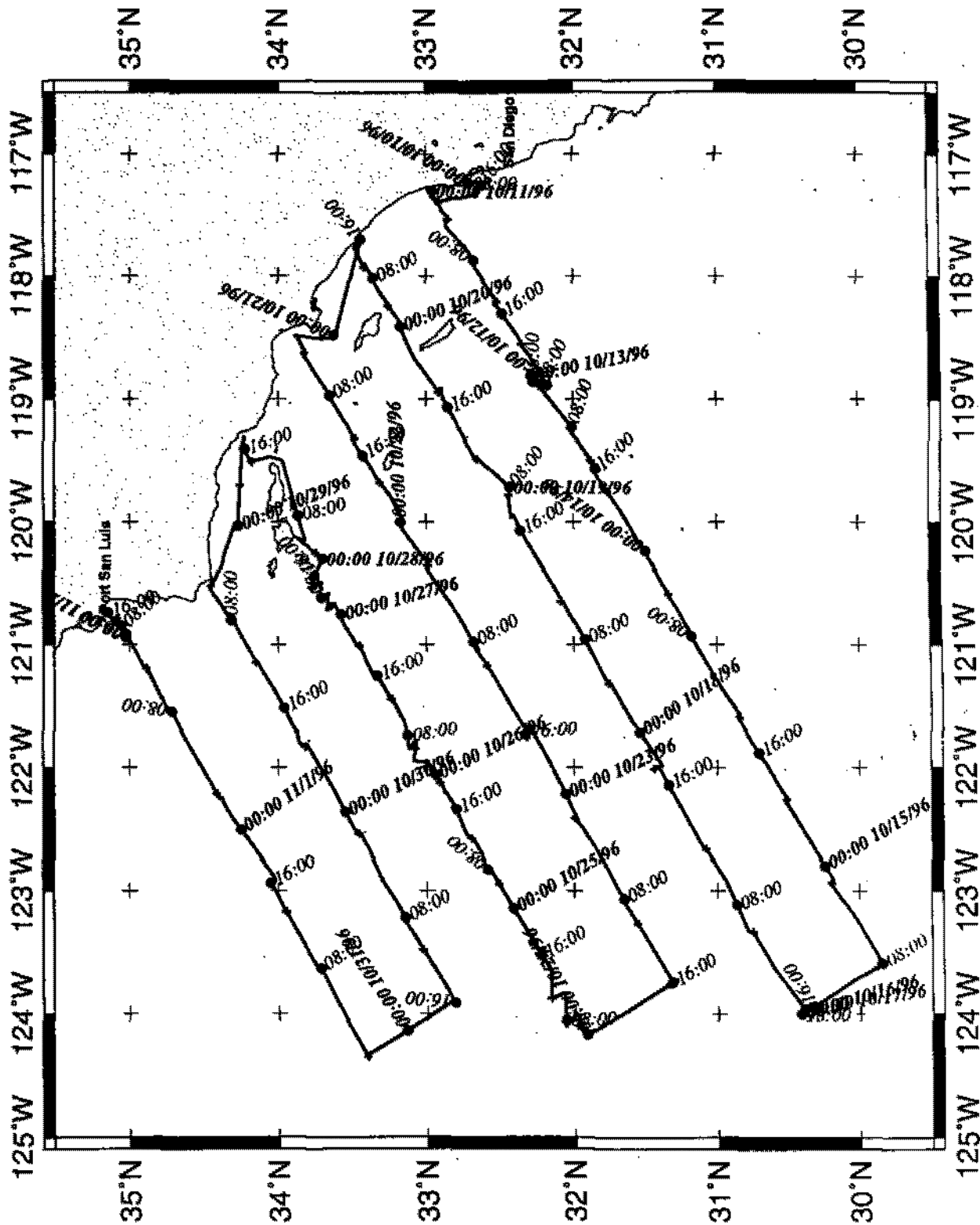
**Bathymetry - 1928 miles**

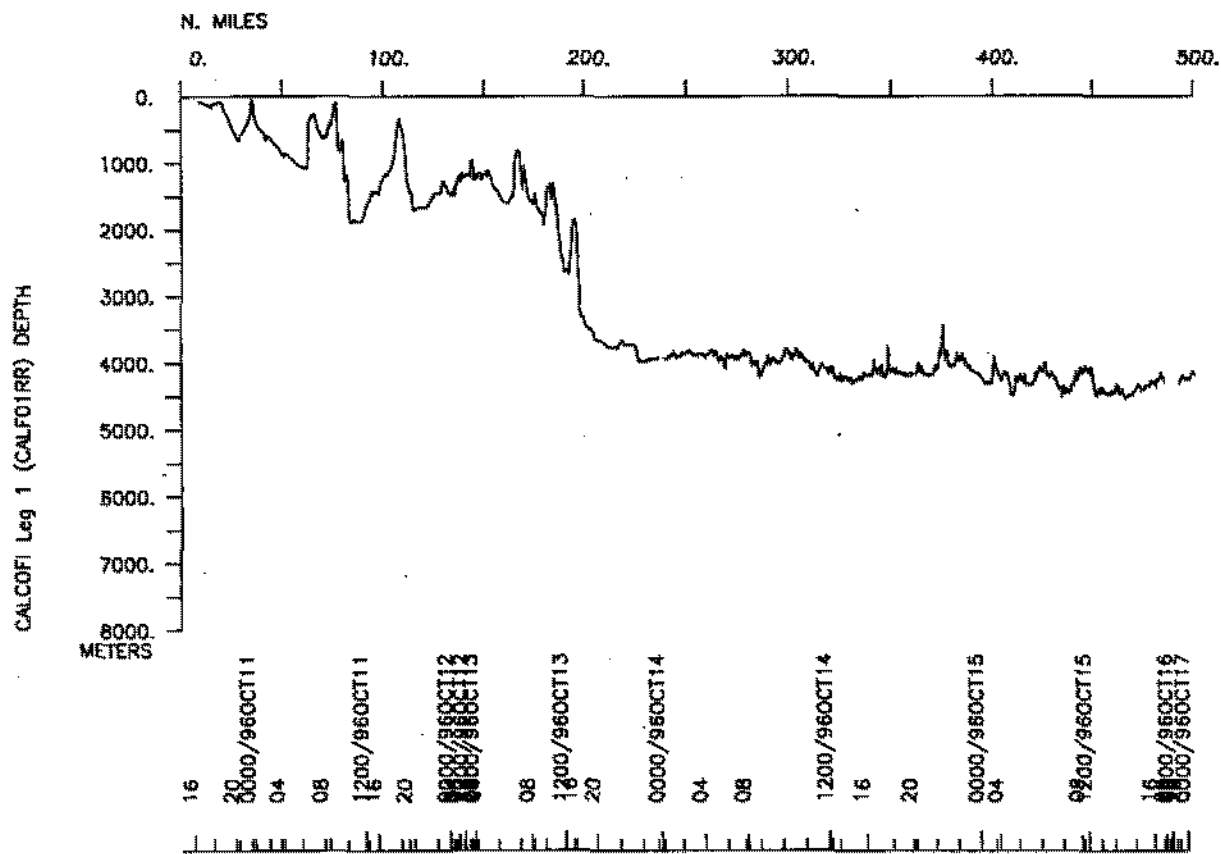
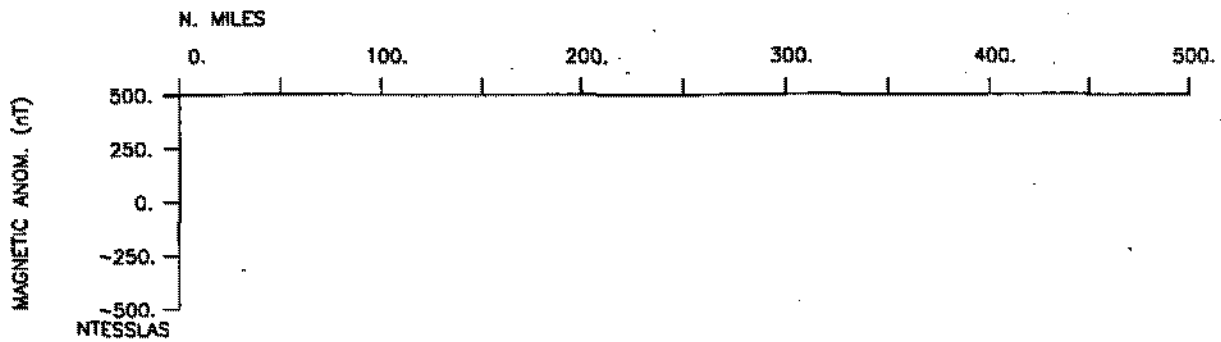
**Seismic Reflection - none collected**

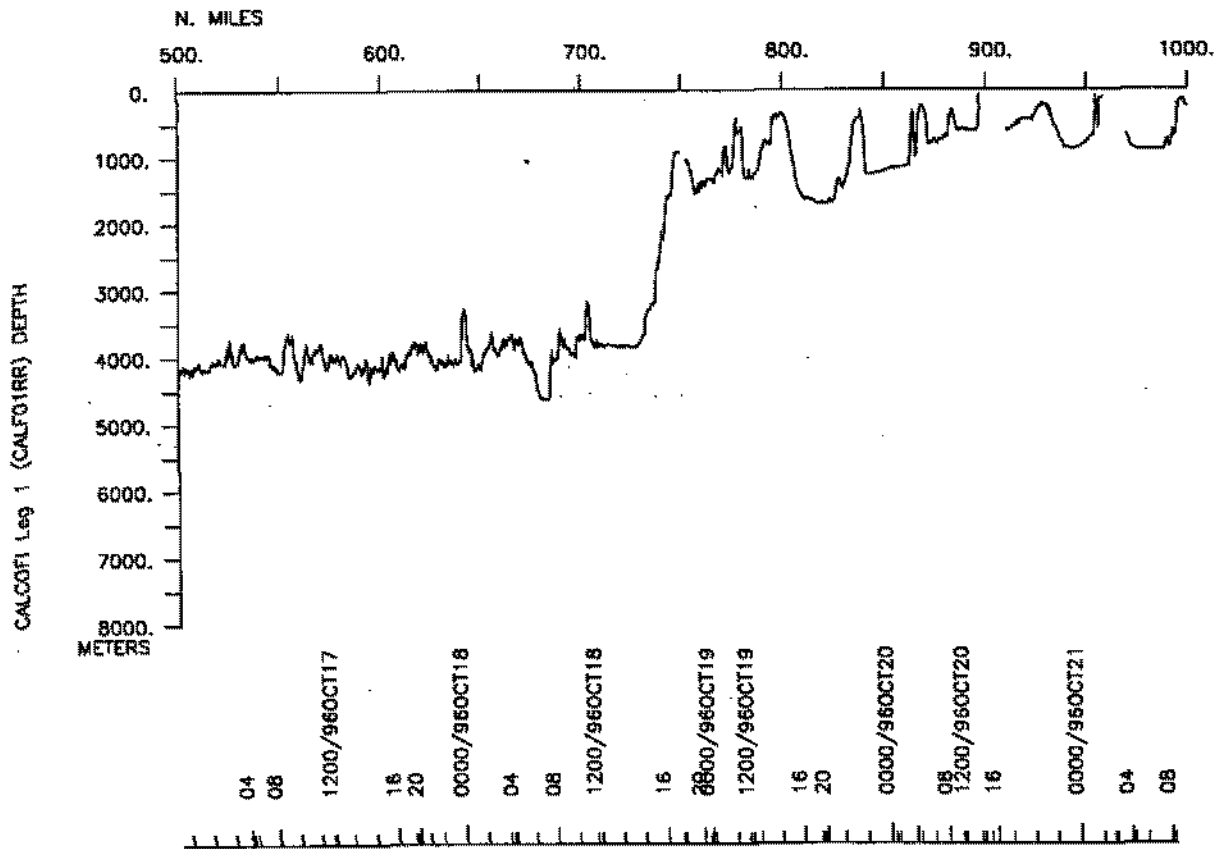
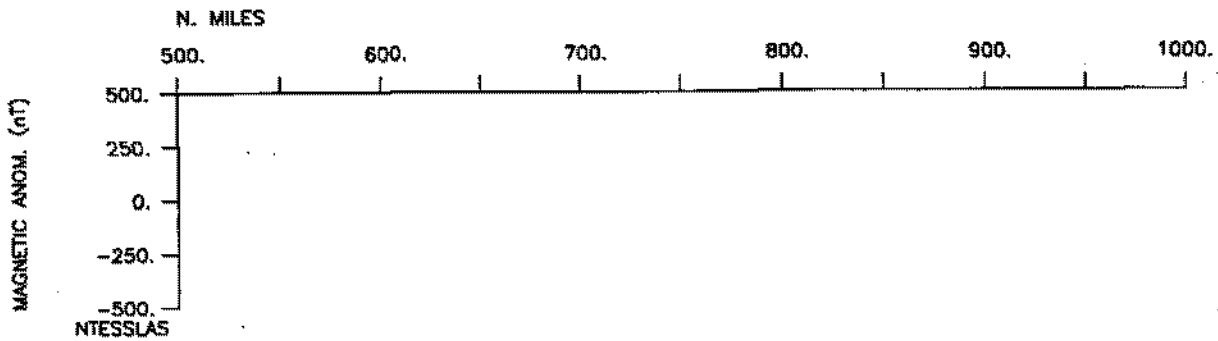
**Sea Beam - 1928 miles**

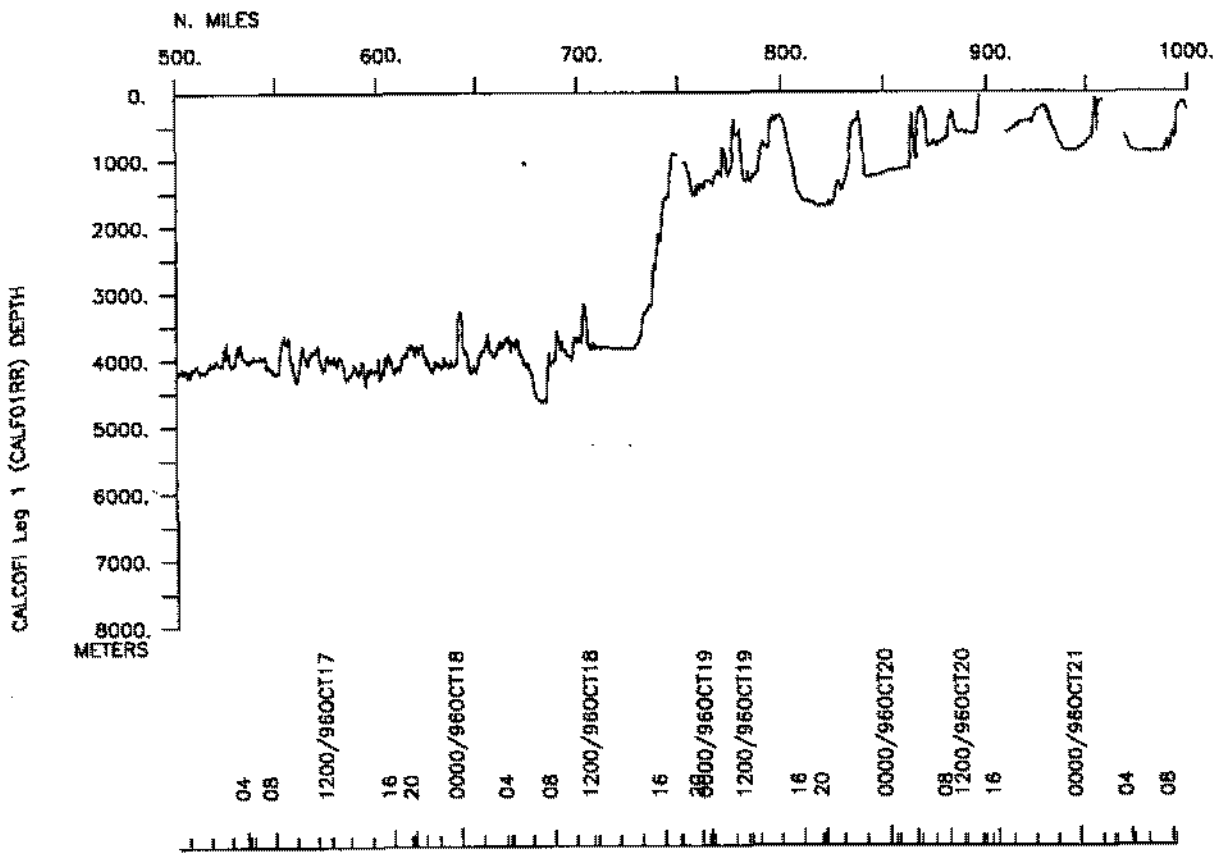
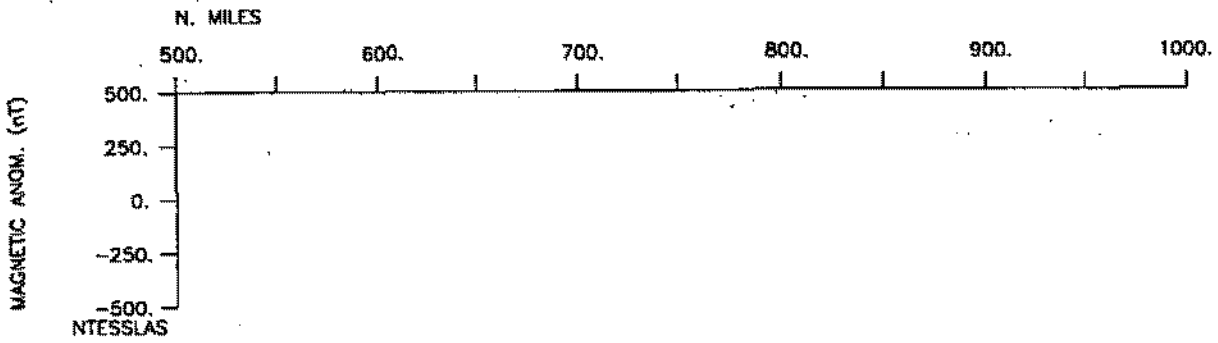
**Gravity - none collected**

# CALCOFI Leg 1 Track

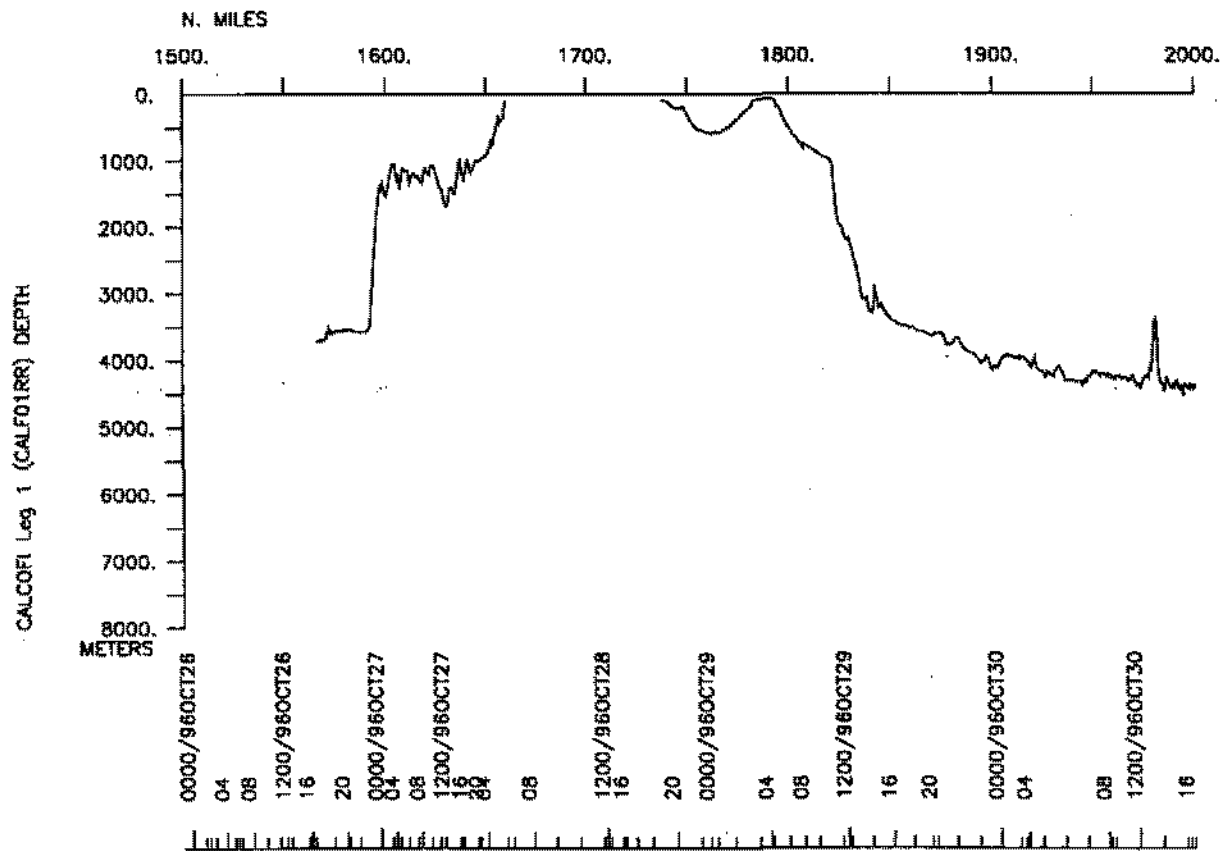
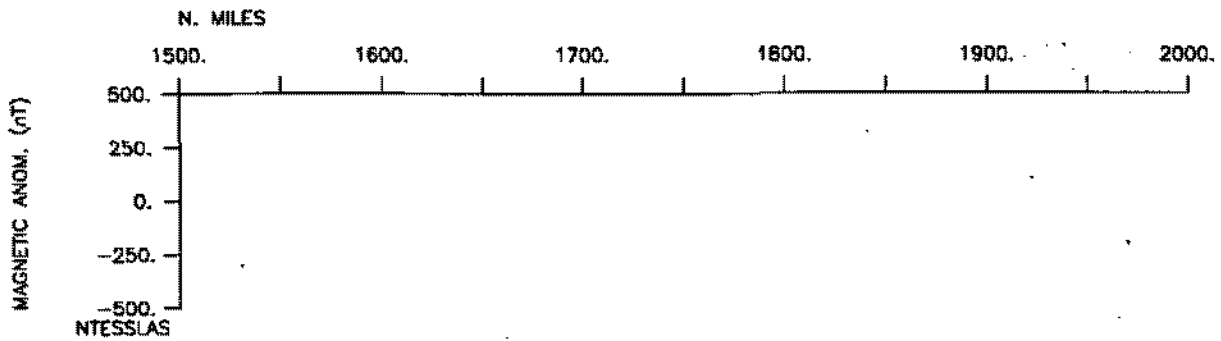












**S.I.O. SAMPLE INDEX**

**CALCOFI EXPEDITION**

**LEG 1 R/V Roger Revelle**

**(CALF01RR)**

(Issued December 1996)

**PORTS:**

San Diego, California (10 October 1996)

to

Port San Luis, California (2 November 1996)

**Chief Scientist:**

Tom Hayward - 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.# 270

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

0800	101096	0	LGPT B	San Diego, CA	32-43.00N	117-11.00W	f	CALF01RR
1000	021196	0	LGPT E	Pt. San Luis, CA.	53-10.00N	120-46.00W	f	CALF01RR
1200	201096	0	LGSS B	Dana Point, CA	33-25.35N	117-56.08W	g	CALF01RR
1600	201096	0	LGSS E	Dana Point, CA.	33-26.87N	117-42.26W	g	CALF01RR

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

#	*****NAME*****	*****TITLE*****	*****AFFILIATION****	**CRID**
PECS	MLRG Hayward, Tom	Chief Scientist	Scripps Institution	CALF01RR
PECT	SCG Charters, James	Computer tech	Scripps Institution	CALF01RR
PERT	STS Wilson, Robert	Resident tech	Scripps Institution	CALF01RR
PESP	SIO Abarmentkoff, D.	Technician	So.West Fisheries	CALF01RR
PEST	JPN Aoki, K.	Student	Japan	CALF01RR
PESP	STS Beaupre, Marie	Technician	Scripps Institution	CALF01RR
PESP	MLRG Cummings, Sherry	Technician	Scripps Institution	CALF01RR
PESP	MLRG Fey, Connie	Technician	Scripps Institution	CALF01RR
PESP	SIO Frouin, Robert	Scientist	Scripps Institution	CALF01RR
PESP	SIO Fruetel, D.	Scientist	Scripps Institution	CALF01RR
PESP	MLRG Goericke, Rolf	Scientist	Scripps Institution	CALF01RR
PESP	MLRG Gruber, Dennis	Technician	Scripps Institution	CALF01RR
PESP	MLRG Haury, Loren	Scientist	Scripps Institution	CALF01RR
PESP	SIO Hays, A.	Technician	So.West Fisheries	CALF01RR
PESP	SIO Hyrenback, D.	Scientist	Scripps Institution	CALF01RR
PESP	STS Masten, Doug	Technician	Scripps Institution	CALF01RR
PESP	SIO Mazza, S.	Technician	Scripps Institution	CALF01RR
PESP	SIO McGinnis, J.	Technician	Scripps Institution	CALF01RR
PESP	MBRD Mitchell, Greg	Scientist	Scripps Institution	CALF01RR
PESP	MLRG Rathburn, Tony	Scientist	Scripps Institution	CALF01RR
PESP	MLRG Renger, Ed	Technician	Scripps Institution	CALF01RR
PESP	SIO Reynolds, R.	Technician	Scripps Institution	CALF01RR
PEST	SIO Shankle, A.	Student	Scripps Institution	CALF01RR
PESP	SIO Schnee, M.	Scientist	Scripps Institution	CALF01RR
PESP	WHOI Swaber, J.	Scientist	Woods Hole	CALF01RR
PESP	SIO Toledo, G.	Scientist	Scripps Institution	CALF01RR
PESP	JPL Van den Bosch, J.	Scientist	Jet Propulsion Lab	CALF01RR
PESP	MLRG Wilkinson, Jim	Technician	Scripps Institution	CALF01RR
PESP	WHOI Zafiriou, O.	Scientist	Woods Hole	CALF01RR
PESP	SIX Bucklin, A.	Scientist	U.of New Hampshire	CALF01RR
PESP	SIX Clarke, L.	Scientist	Univ. of Miami	CALF01RR
PESP	SIO Fougne, B.	Technician	Scripps Institution	CALF01RR
PESP	WHOI Wiebe, Peter	Scientist	Woods Hole	CALF01RR

\*\*\*\* 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) \*\*\*\*

0800	101096	0	MBSR B	v.beam&sscan	r-01	GDC	32-42.40N	117-14.17W	g	CALF01RR
2040	261096	0	MBSR E	v.beam&sscan	r-01	GDC	33-27.15N	121-00.74W	g	CALF01RR
0007	271096	0	MBSR B	v.beam&sscan	r-02	GDC	33-34.74N	120-45.25W	g	CALF01RR
2016	011196	0	MBSR E	v.beam&sscan	r-02	GDC	35-05.30N	120-46.58W	g	CALF01RR

# End Sample Index CALF01RR