

*Report and Index of  
Underway Marine Geophysical Data*

**CALCOFI EXPEDITION**

**LEG 3**

**(CALF03RR)**

**R/V ROGER REVELLE**

**(Issued November 1996)**

**Ports:**

Port San Luis, California (2 November 1996)

to

San Diego, California (8 November 1996)

**Chief Scientist:**

Roberta Baldwin - Scripps Institution of Oceanography

Resident Marine Technician - Robert Wilson

Computer Technician - James Charters

SeaBeam/UW Processors - Stuart M. Smith & Uta Peckman

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

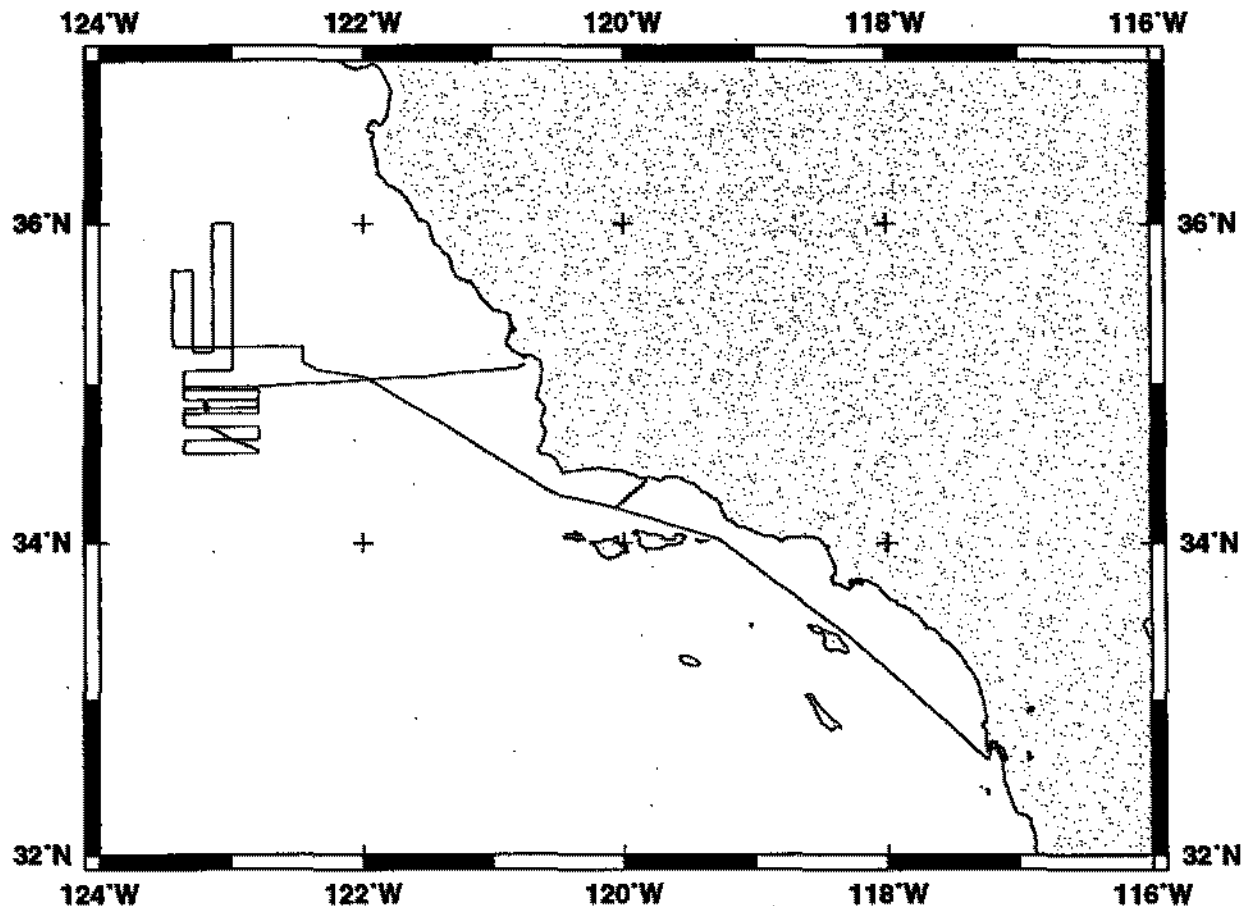
1. Files on Exabyte or DAT:
  - a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
  - b) These same data in a merged ASCII file in the MGD77 Exchange Format.
  - c) SeaBeam depth data (binary, Sun byte order) in SIO Swath Bathymetry Format. (\*)
  - d) SeaBeam 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 Reville Seabeam 2100 data available in SB2100 vendor format only, as of October 1996

rev10/96



### CALCOFI EXPEDITION LEG 3

**CHIEF SCIENTIST: Roberta Baldwin, Scripps Institution**

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

**DATES: 2 - 8 November 1996**

**SHIP: R/V Roger Revelle**

#### **TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

**Cruise - 1006 miles**

**Magnetics - none collected**

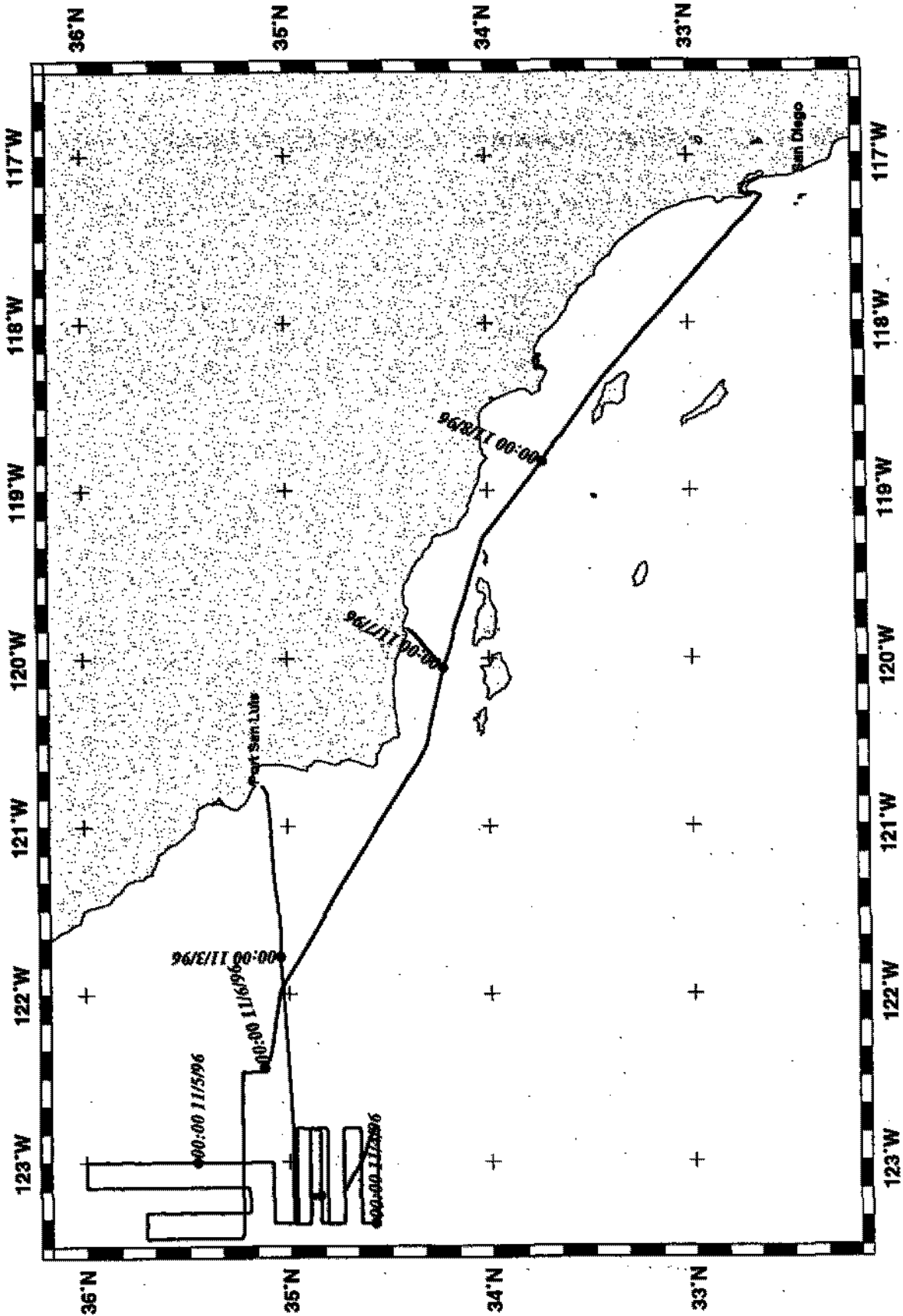
**Bathymetry - 911 miles**

**Seismic Reflection - none collected**

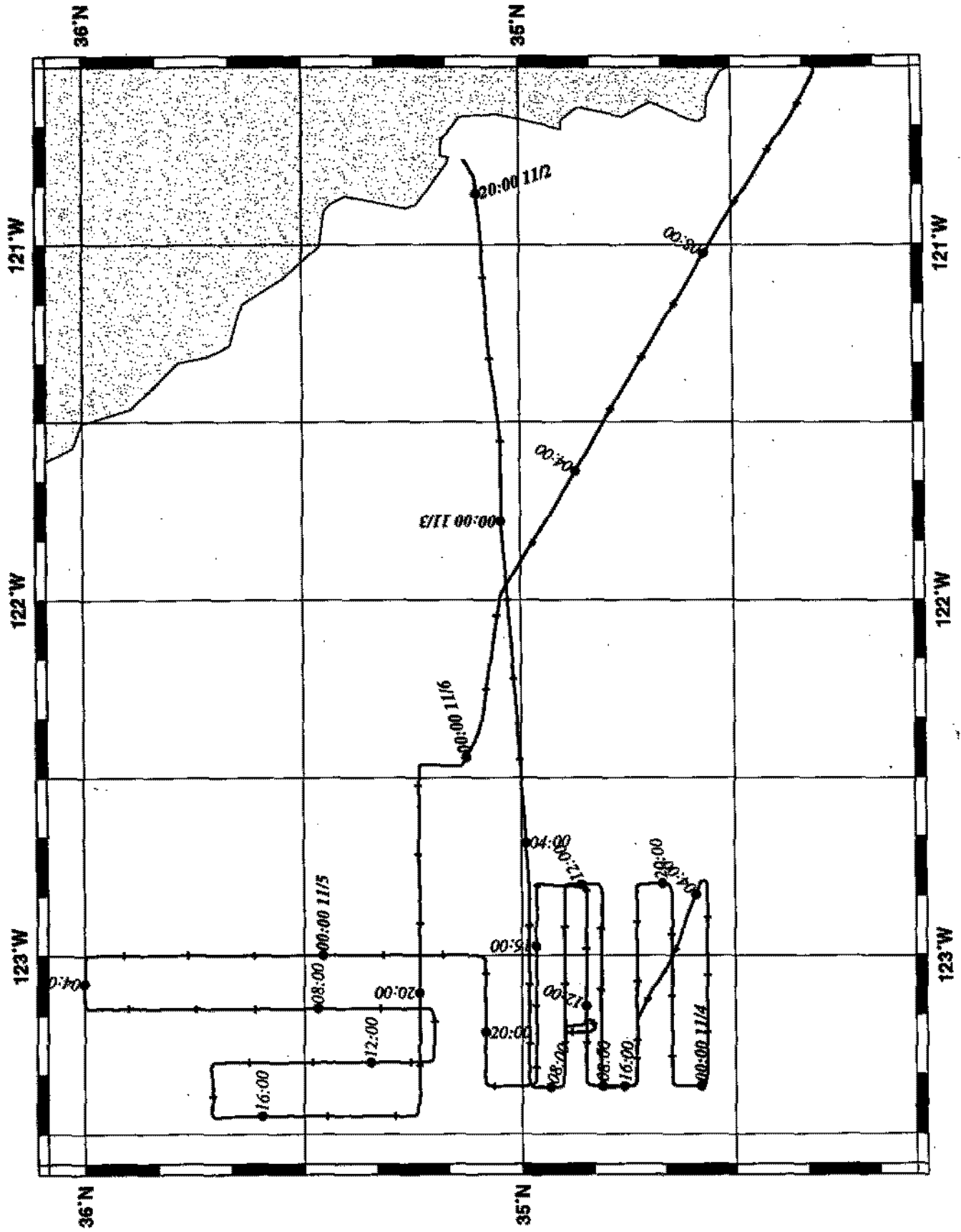
**Sea Beam - 911 miles**

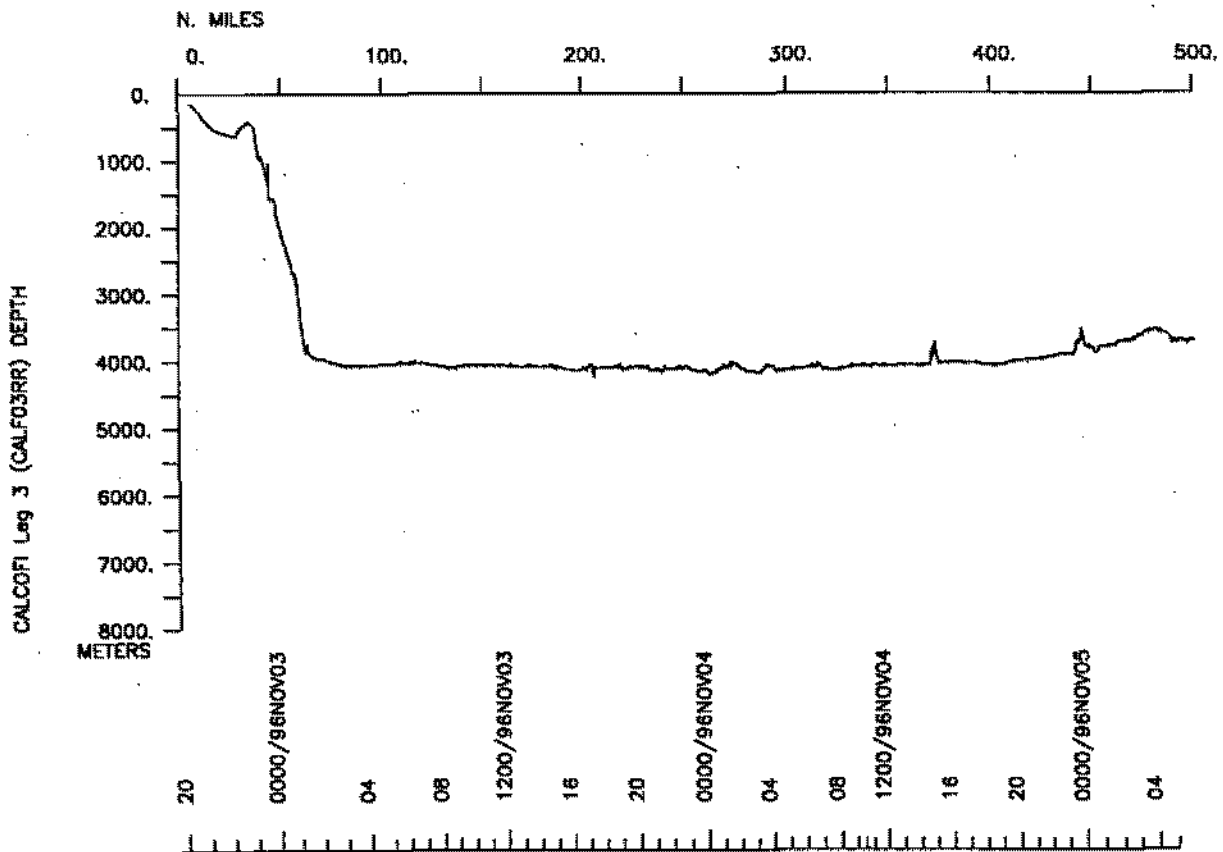
**Gravity - none collected**

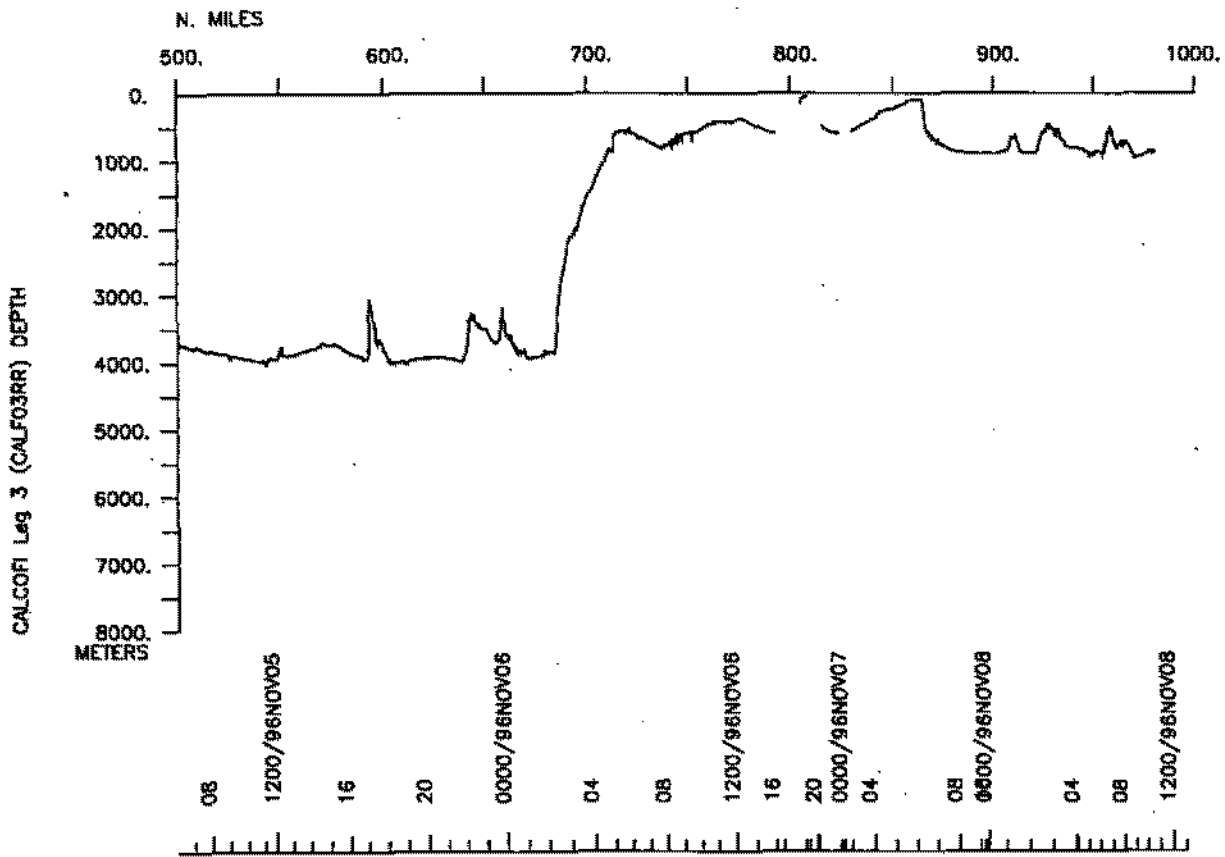
# CALF03RRR Track



# CALF03RR\_track\_surv

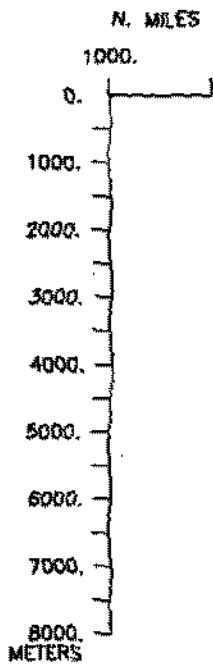








CALCOFI Leg 3 (CALFORS) DEPTH



L

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

**CALCOFI EXPEDITION**

**LEG 3 R/V Roger Revelle**

**(CALF03RR)**

*(Issued November 1996)*

**PORTS:**

Port San Luis, California (2 November 1996)  
to  
San Diego, California (8 November 1996)

**Chief Scientist:**

Roberta Baldwin - 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 codes are available from the Geological Data Center.)

**GDC CRUISE I.D.# 270**

## \*\*\*\* Ports \*\*\*\*

1924	021196	LGPT B	PORT SAN LUIS, CA.	35-10.00N	120-46.00W	f	CALF03RR
1445	081196	LGPT E	SAN DIEGO, CA.	32-43.00N	117-11.00W	f	CALF03RR

## \*\*\*\* Personnel \*\*\*\*

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS	MBRD Baldwin, Roberta	Chief Scientist	Scripps Institution	CALF03RR
PEST	MBRD Beaulieu, Stace	Grad Student	Scripps Institution	CALF03RR
PESP	MBRD Carlucci, Angelo	Scientist	Scripps Institution	CALF03RR
PESP	SIO Lauermann, L.	Grad Student	Scripps Institution	CALF03RR
PEST	UCI Mastello, C.	Grad Student	U.of Calif. Irvine	CALF03RR
PERT	STS Wilson, Robert	Resident tech	Scripps Institution	CALF03RR
PECT	SCG Charters, James	Computer tech	Scripps Institution	CALF03RR
PESP	GDC Smith, Stuart M.	SeaBeam Processor	Scripps Institution	CALF03RR
PESP	GDC Peckman, Uta	SeaBeam Processor	Scripps Institution	CALF03RR
PESP	MBRD Reynolds, R.	Technician	Scripps Institution	CALF03RR
PESP	MBRD Fougnie, B.	Technician	Scripps Institution	CALF03RR
PEST	WHOI Pearson, A.	Grad Student	Woods Hole	CALF03RR

## \*\*\*\* 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 \*\*\*\*

1924	021196	0	LBUW	B	Underway log books	GDC	35-07.58N	120-45.74W	g	CALF03RR
0206	061196	0	LBUW	E	Underway log books	GDC	35-03.02N	122-01.47W	g	CALF03RR

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

2026	021196	0	MBSR	B	v.beam&sscan r-01	GDC	35-05.35N	120-57.57W	g	CALF03RR
0237	081196	0	MBSR	E	v.beam&sscan r-01	GDC	33-27.92N	118-23.23W	g	CALF03RR

## \*\*\*\* Echo Sounder Records \*\*\*\*

2026	021196	0	DPR3	B	3.5KHZ r-01	GDC	35-05.35N	120-57.57W	g	CALF03RR
1500	061196	0	DPR3	E	3.5KHZ r-01	GDC	34-13.50N	120-03.51W	g	CALF03RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#										
**** Cores ****										
1512	061196	0	COXX	Multicore 595M	UCI	34-13.50N	120-03.51W	g		CALF03RR
2131	061196	0	COXX	Multicore 595M	UCI	34-13.49N	120-03.52W	g		CALF03RR
0030	071196	0	COXX	Multicore 595M	UCI	34-13.51N	120-03.49W	g		CALF03RR
1703	071196	0	COXX	Multicore 902M	WHO	33-44.01N	118-49.99W	g		CALF03RR
2205	071196	0	COXX	Multicore 902M	UCI	33-44.01N	118-49.99W	g		CALF03RR
**** Hydrocasts ****										
1630	061196	0	HCNI	One bottle 10M	UCI	34-13.50N	120-03.51W	g		CALF03RR
1922	061196	0	HCNI	One bottle 10M	UCI	34-23.70N	119-49.53W	g		CALF03RR
**** Net Tows ****										
2333	061196	0	ONXX	B Phytoplank Net 10cm	UCI	34-13.51N	120-03.49W	g		CALF03RR
2350	061196	0	ONXX	E Phytoplank Net 10cm	UCI	34-13.51N	120-03.49W	g		CALF03RR
#				End Sample Index						CALF03RR