

Report and Index of
Underway Marine Geophysical Data
REVELLE TEST TRIP
LEG 3
(REVT03RR)
R/V ROGER REVELLE
(Issued December 1996)

Ports:

San Diego, California (18 November 1996)
to
San Diego, California (20 November 1996)

Chief Scientist:

Christian deMoustier - Scripps Institution of Oceanography

Resident Marine Technician - Robert Wilson
Computer Technician - Ron Moe

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.

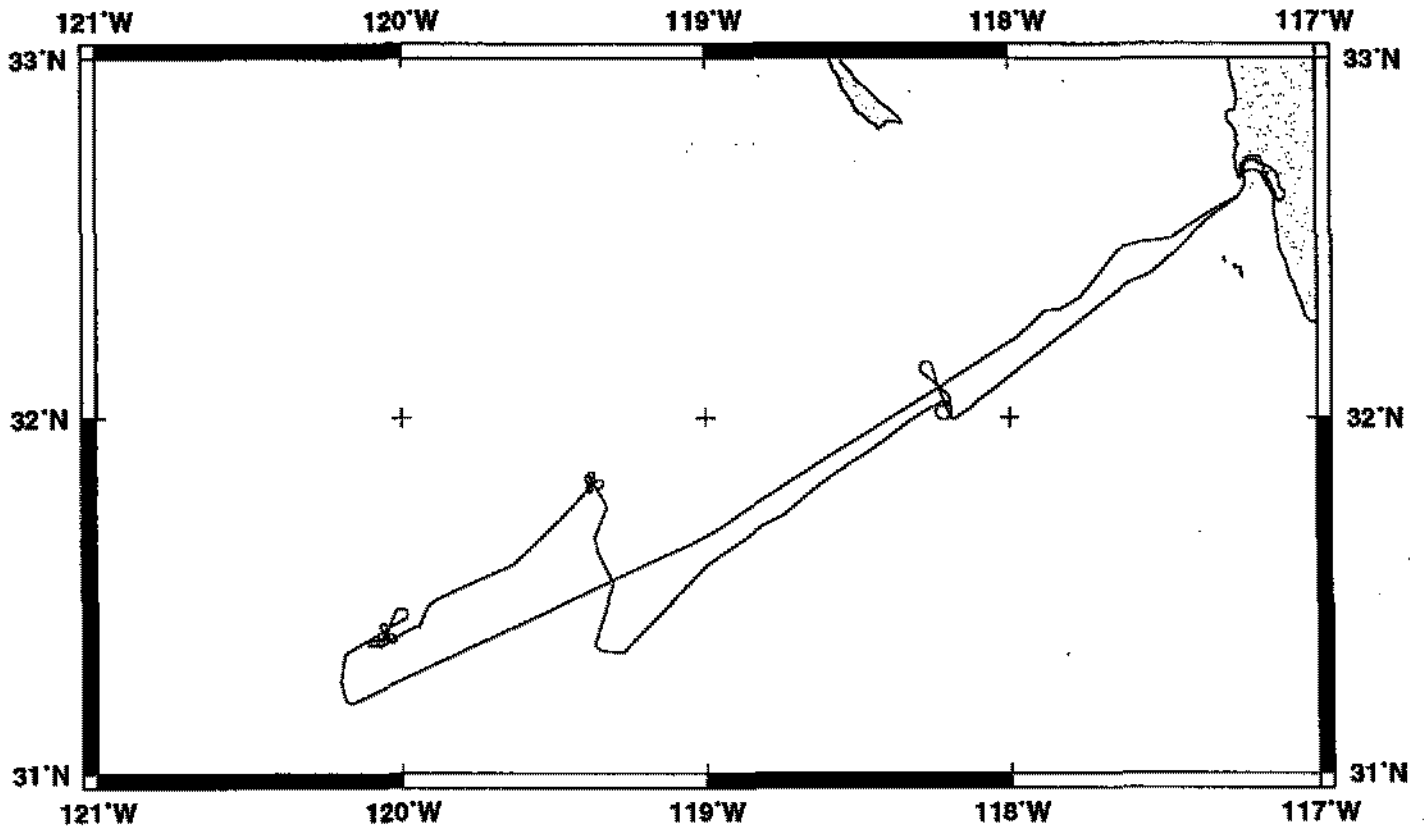
3. Navigation listing with times and positions of fixes and course and speed changes.

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 3

CHIEF SCIENTIST: Christian deMoustier, SIO

PORTS: San Diego - San Diego, Calif.

DATES: 18 - 20 November 1996

SHIP: R/V Roger Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 499 miles

Magnetics - 100 miles

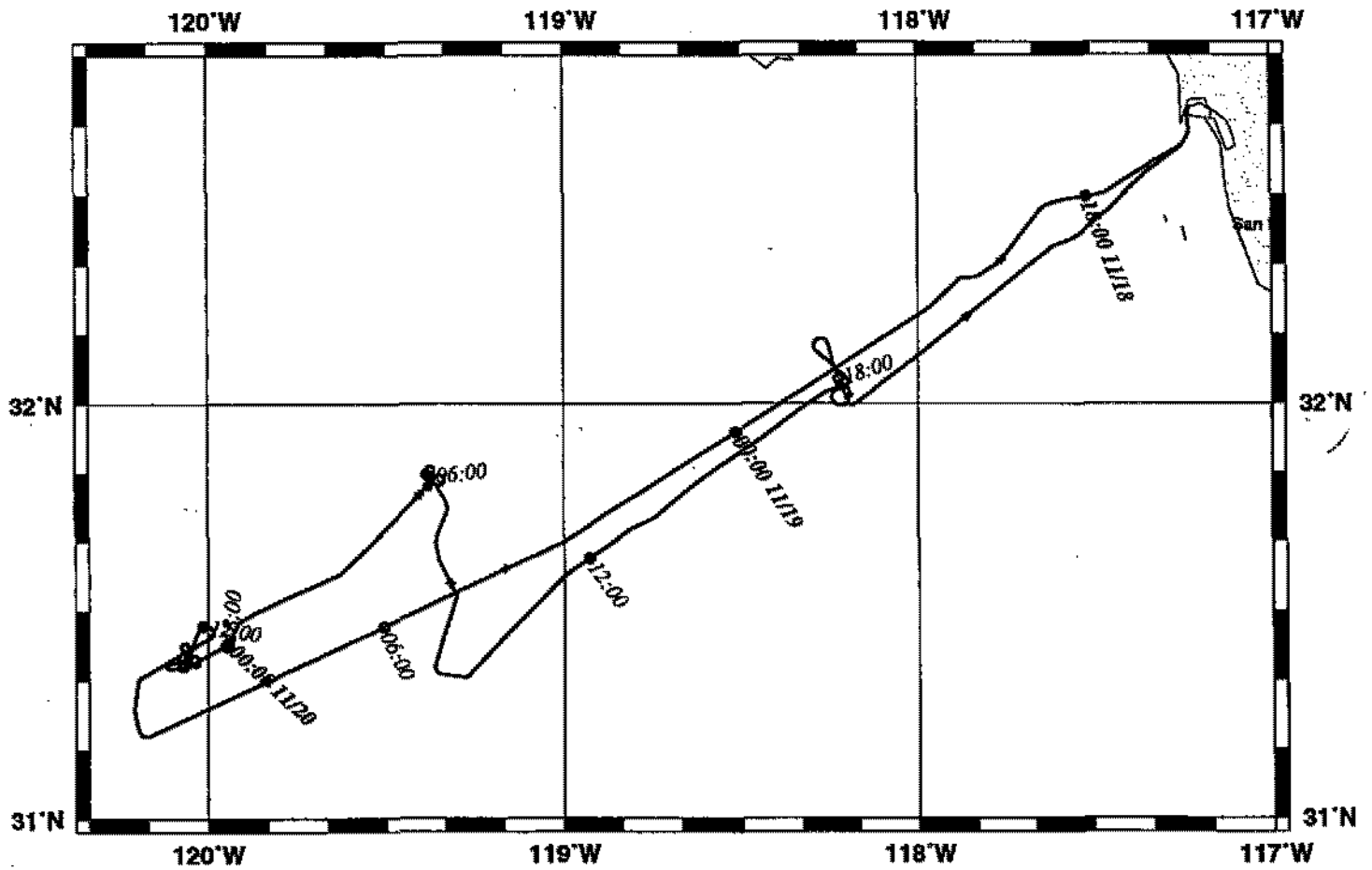
Bathymetry - 409 miles

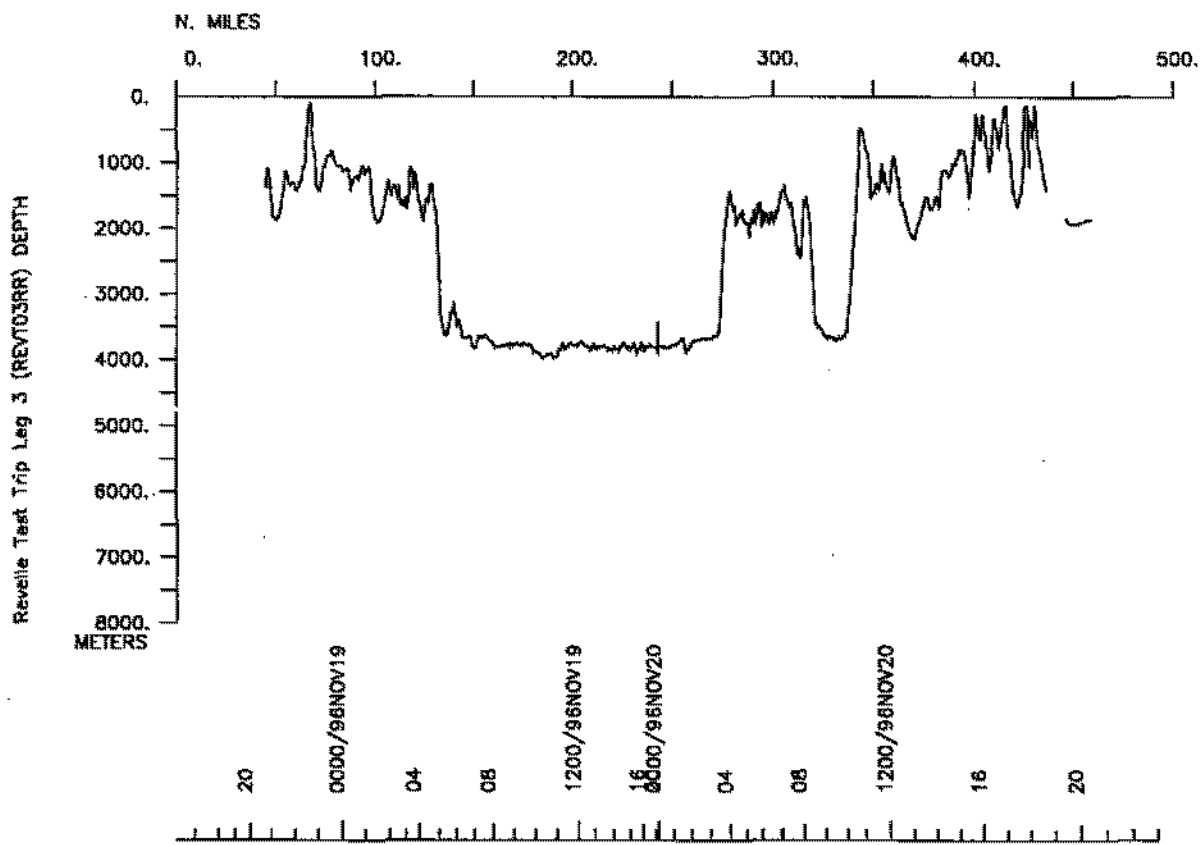
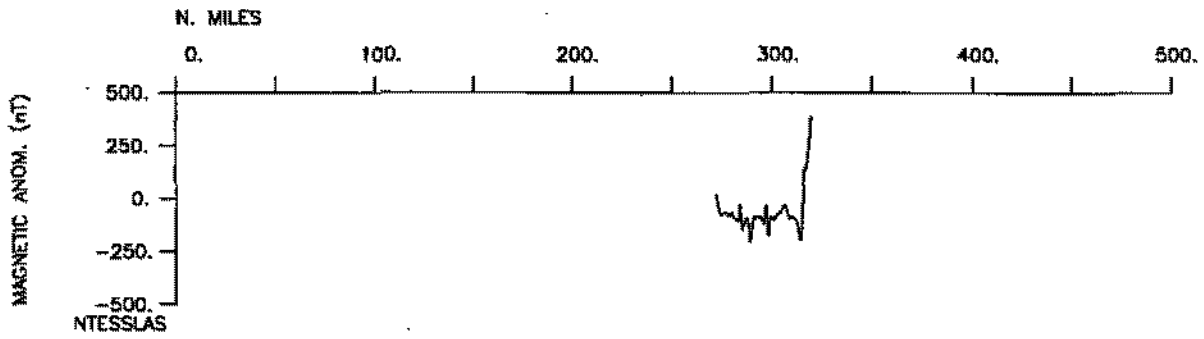
Seismic Reflection - none collected

Sea Beam - 409 miles

Gravity - none collected

REVT03RR Track





S.I.O. SAMPLE INDEX

REVELLE TEST TRIP

LEG 3 R/V Roger Revelle

(REVT03RR)

(Issued Decemberr 1996)

PORTS:

San Diego, California (18 November 1996)
to
San Diego, California (20 November 1996)

Chief Scientist:

Christian deMoustier - 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 ****

1600 181196 LGPT B San Diego, California 32-43.00N 117-11.00W f REVT03RR
 2359 201196 LGPT E San Diego, California 32-43.00N 117-11.00W f REVT03RR

**** Personnel ****

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS MPL	deMoustier, Christian	Chief Scientist	Scripps Institution	REVT03RR
PECT SCG	Moe, Ronald	Computer tech	Scripps Institution	REVT03RR
PESP GDC	Smith, Stuart M.	SeaBeam processor	Scripps Institution	REVT03RR
PERT STS	Wilson, Robert	Resident tech	Scripps Institution	REVT03RR
PEAT SGG	Mogk, Seth	Air gun tech	Scripps Institution	REVT03RR
PESP USN	Barnes, J.	Representative	United States Navy	REVT03RR
PESP SIX	Budz, F.	Representative	ODEC-Bathy2000	REVT03RR
PESP SIX	Camp, R.	Representative	Halter Marine	REVT03RR
PESP MPL	Fisher, I.	Scientist	Scripps Institution	REVT03RR
PESP MPL	Lonsdale, Peter	Scientist	Scripps Institution	REVT03RR
PESP NMF	Petersen, Edwin	Coord. ship const	Scripps Institution	REVT03RR
PESP SIX	Rolland, D.	Representative	JJMA	REVT03RR
PEST SIO	Skinner, K.	Grad. student	Scripps Institution	REVT03RR
PESP SIX	Sweeney, K.	Representative	ODEC-Bathy2000	REVT03RR
PEST SIO	Tent-Manclus, J.	Grad. student	Scripps Institution	REVT03RR
PEST SIO	Tryon, Mike	Grad. student	Scripps Institution	REVT03RR
PESP SIX	White, J.	Representative	Halter Marine	REVT03RR
PESP SIX	Althouse, April	Volunteer	Non-Scripps Employee	REVT03RR
PESP SIX	Sullivan, D.	Technician	Non-Scripps Employee	REVT03RR
PESP MARF	Carr, Carl	Technician	Scripps Institution	REVT03RR

**** 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 ****

0228 191196 0 LBUW B Underway log books GDC 31-40.01N 118-59.99W g REVT03RR
 2355 201196 0 LBUW E Underway log books GDC 32-42.40N 117-14.18W g REVT03RR

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

2038 181196 0 MBSR B v.beam&sscan r-01 GDC 32-18.02N 117-51.97W g REVT03RR
 0210 201196 0 MBSR E v.beam&sscan r-01 GDC 31-34.70N 119-39.70W g REVT03RR

**** Echo Sounder Records ****

2113 181196 0 DPR3 B 3.5KHZ r-01 GDC 32-13.72N 117-58.20W g REVT03RR
 0212 191196 0 DPR3 E 3.5KHZ r-01 GDC 31-41.63N 118-56.86W g REVT03RR
 1548 191196 0 DPR3 B 3.5KHZ r-02 GDC 31-21.83N 120-05.19W g REVT03RR
 2340 201196 0 DPR3 E 3.5KHZ r-02 GDC 32-42.12N 117-14.02W g REVT03RR

End Sample Index REVT03RR