

REPORT AND INDEX OF
UNDERWAY MARINE GEOPHYSICAL DATA

ACOUSTIC LEVEL TEST

LEG 1

(ACLV01RR)

R/V Revelle

(Issued August 1999)

Ports:

San Diego, California (7 January 1999)

to

San Diego, California (8 January 1999)

Chief Scientist:

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

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.# 287

**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.

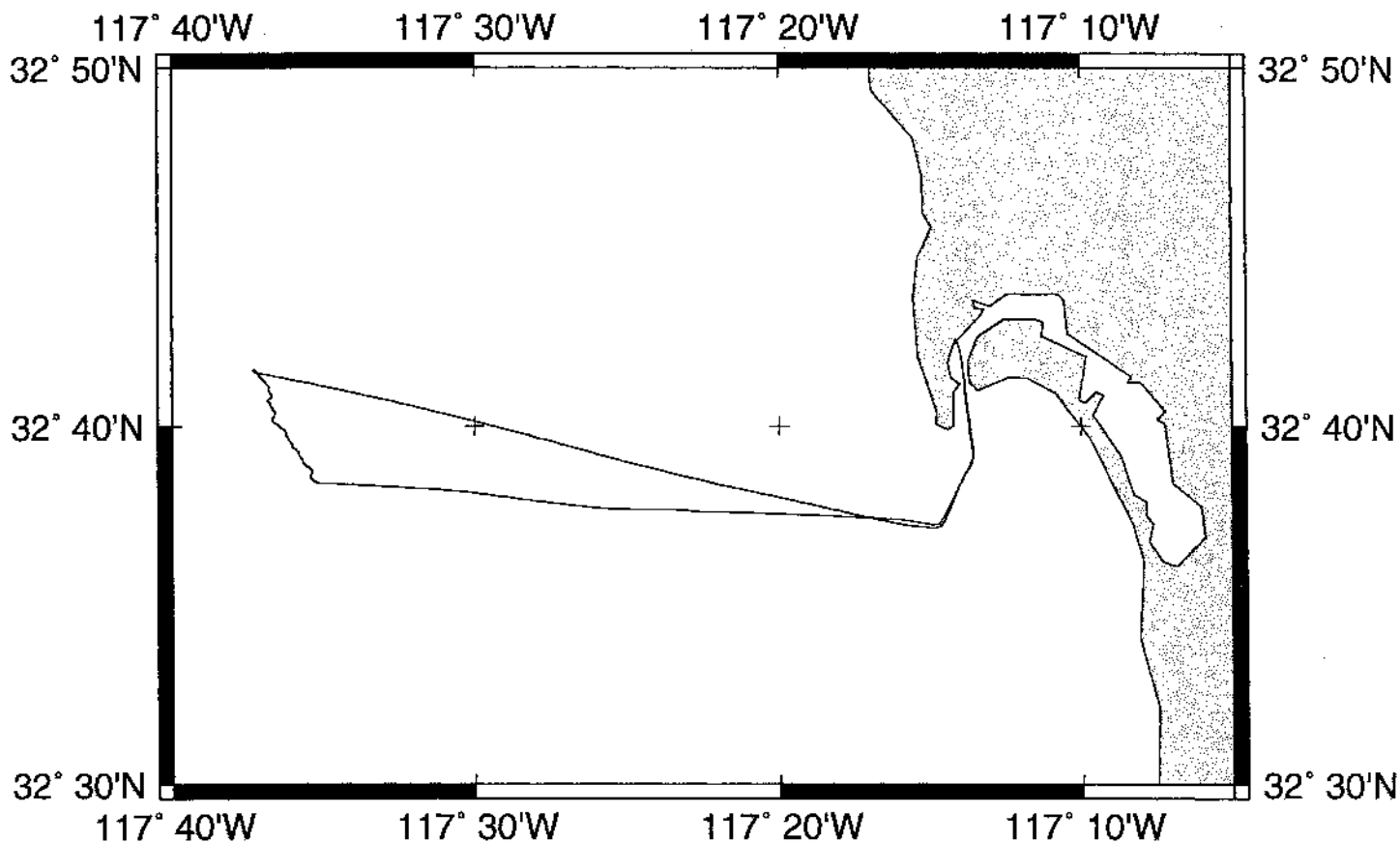
NOTE: One or more of the underway data types may not be collected on a given leg. For information on the availability and reproduction costs of data in the following forms, contact S.M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0223. Phone: (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.



ACOUSTIC LEVEL TEST (ACLV01RR)

CHIEF SCIENTIST: Christian de Moustier, SIO

PORTS: San Diego - San Diego, Calif.

DATES: 07 - 08 January 1999

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 52 miles

Magnetics - none collected

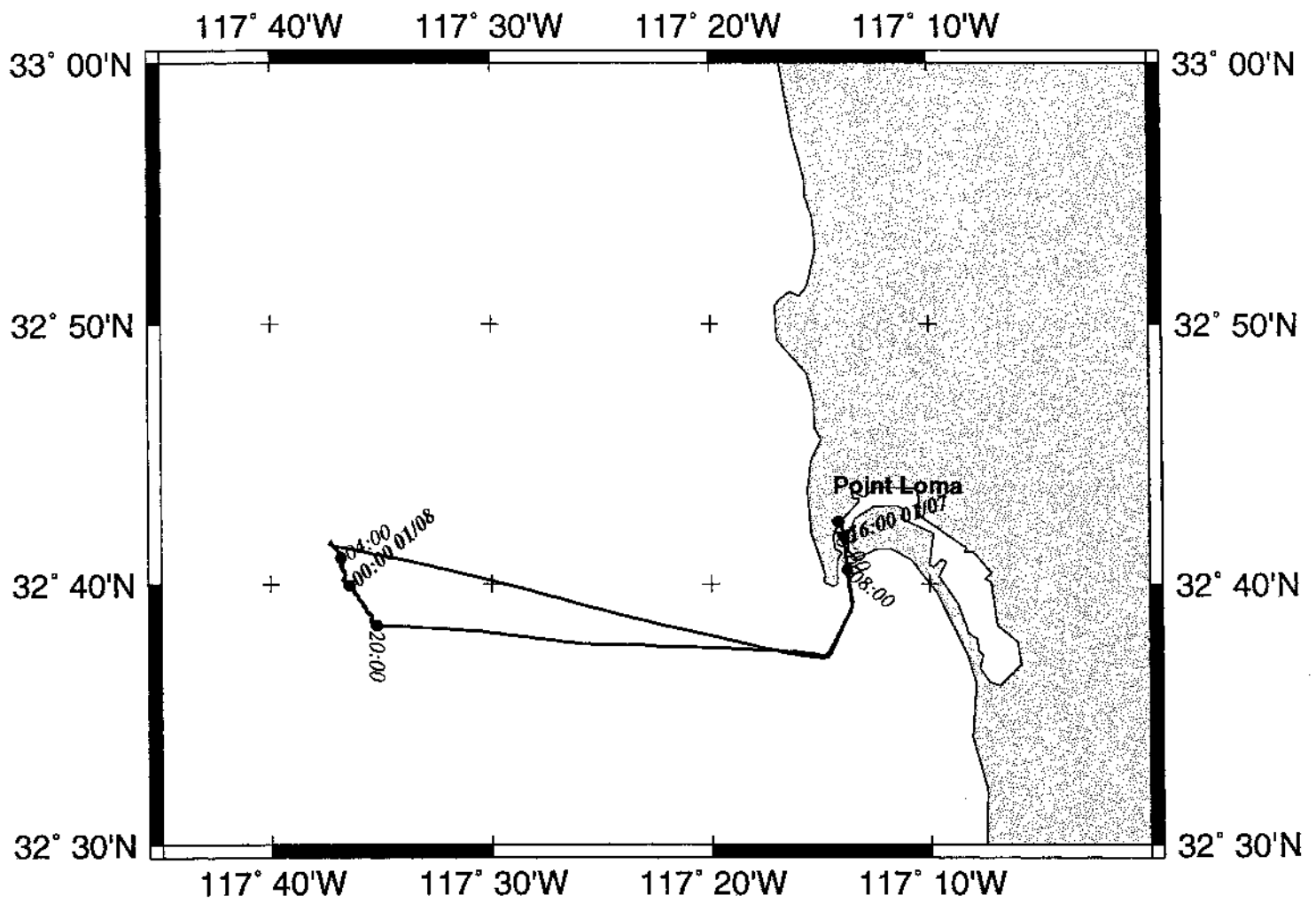
Bathymetry - 10 miles

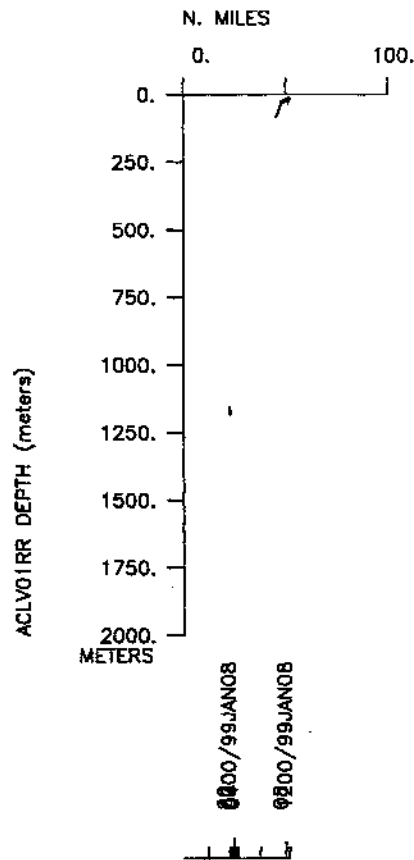
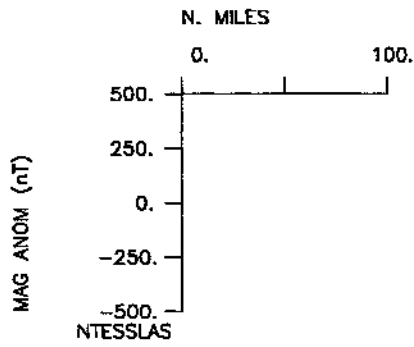
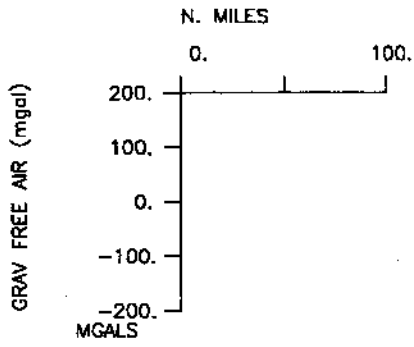
Seismic Reflection - none collected

Sea Beam - 10 miles

Gravity - none collected

ACLV01RR Track





S.I.O. SAMPLE INDEX

ACOUSTIC LEVEL TEST

LEG 1

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to

San Diego, California (8 January 1999)

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Christian de Moustier, 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.# 287

**** Ports ***

```
1500 070199   LGPT B San Diego, California   32-40.00N 117-14.00W f ACLV01RR
1727 080199   LGPT E San Diego, California   32-40.00N 117-14.00W f ACLV01RR
```

**** Personnel ***

```
# *****NAME***** *****TITLE***** *****AFFILIATION***** **CRID**
#-----
PECS MPL deMoustier,Christian Chief Scientist Scripps Institution ACLV01RR
PESP SIX Barber, Chris Observer ManTech Adv. Sys. ACLV01RR
PESP SIX Braun, Michael Observer ManTech Adv. Sys. ACLV01RR
PESP SIX Gates, Timothy Observer ManTech Adv. Sys. ACLV01RR
PESP SIX Capell, William Observer SeaBeam Instruments ACLV01RR
PESP SIX Kennedy, Henry Observer Antarctic Sup.Asso. ACLV01RR
PESP STS Mattson, Carl Sr.Dev.Tech Scripps Institution ACLV01RR
PESP STS Mogk, Seth Resident Tech Scripps Institution ACLV01RR
PESP STS Silver, Marc Computer Tech Scripps Institution ACLV01RR
PESP STS Skinner, Jeff Electronics Tech Scripps Institution ACLV01RR
PESP STS Smith, Stuart M. Seabeam Operator Scripps Institution ACLV01RR
PESP MPL Uhlman, Fred Technician Scripps Institution ACLV01RR
PESP STS Wilson, Robert Resident Tech Scripps Institution ACLV01RR
```

**** 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/Geological Data Center ext. 42752 ****
```

**** Sea Beam Records (vertical beam & sidescan) ***

```
1747 070199 0 MBSR B v.beam&sidescan r-01 GDC 32-38.40N 117-34.76W g ACLV01RR
0819 080199 0 MBSR E v.beam&sidescan r-01 GDC 32-42.24N 117-14.05W g ACLV01RR
```

```
***** End Sample Index ACLV01RR
```