

*REPORT AND INDEX OF
UNDERWAY MARINE GEOPHYSICAL DATA*

TANNER BANK EXPEDITION

**LEG 1
(TANR01RR)**

R/V Revelle

(Issued September 1997)

Ports:

San Diego, California (8 May 1997)
to
San Diego, California (15 May 1997)

Chief Scientist:

Stuart M. Smith, Scripps Institution of Oceanography

Jim Charters, Computer Engineer
Christie Campbell, Resident Marine Technician
Uta Albright-Peckman, Sea Beam Processor

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.# 273

**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.

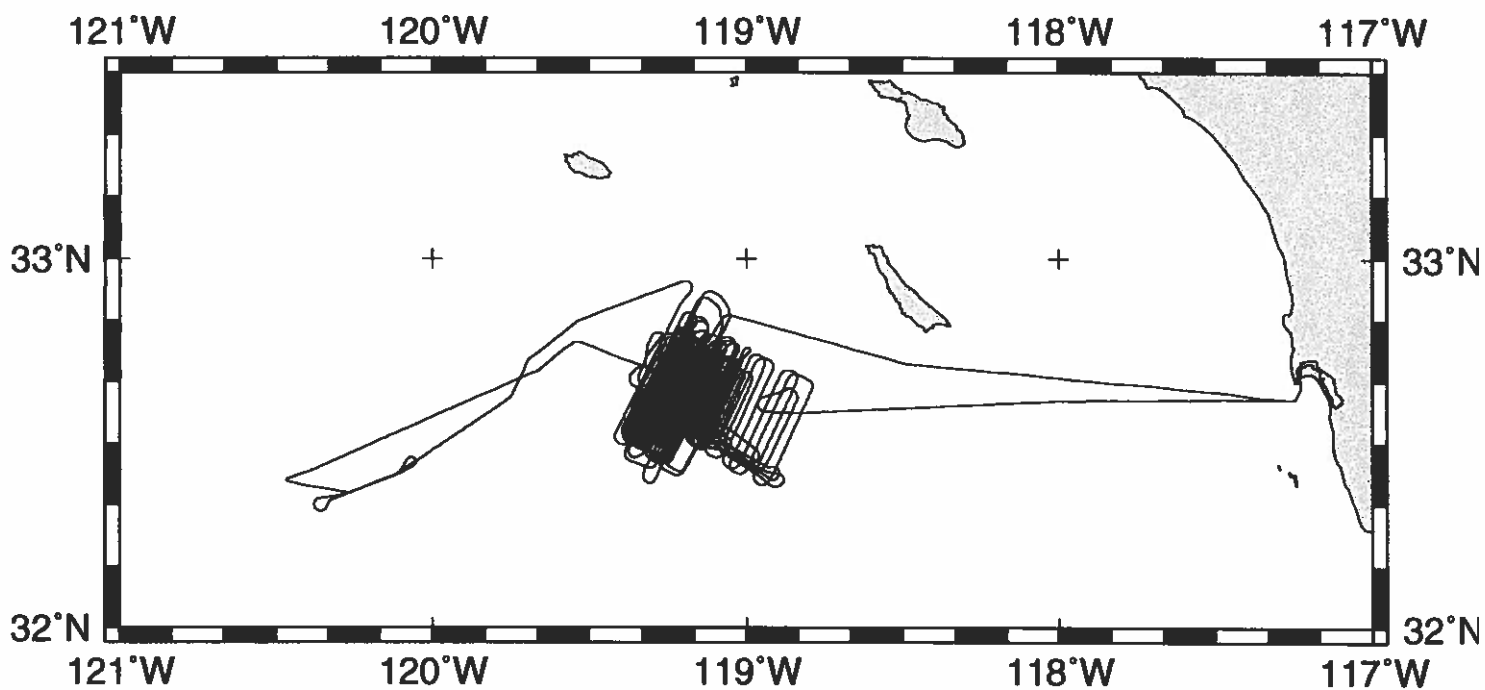
3. Navigation listing with times and positions of fixes and course and speed changes.

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



TANNER BANK EXPEDITION LEG 1

CHIEF SCIENTIST: Stuart M. Smith, Scripps Institution

PORTS: San Diego - San Diego, California

DATES: 8 - 15 May 1997

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 2065 miles

Magnetics - none collected

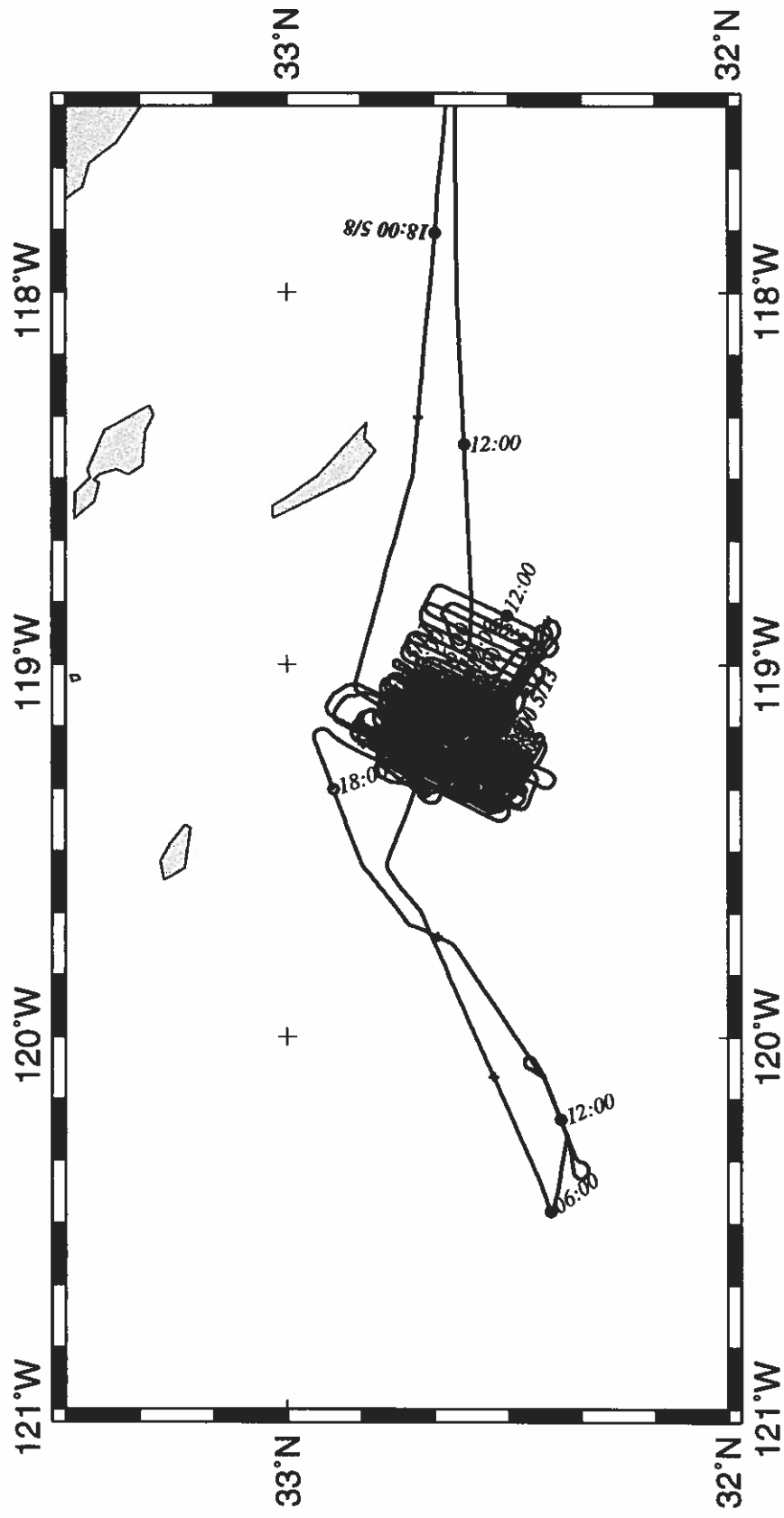
Bathymetry - 2020 miles

Seismic Reflection - none collected

Sea Beam - 2020 miles

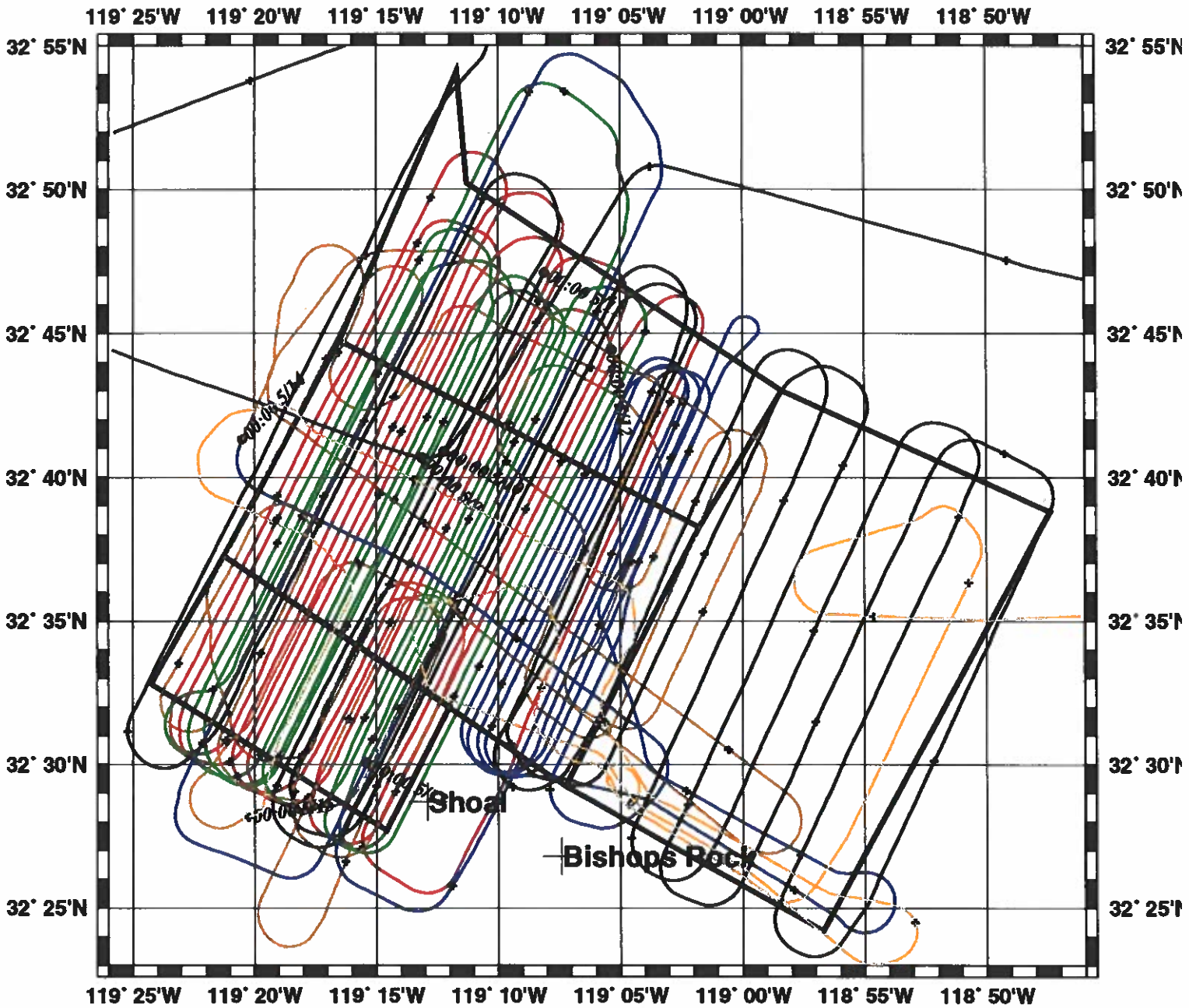
Gravity - none collected

TANR01RR Track

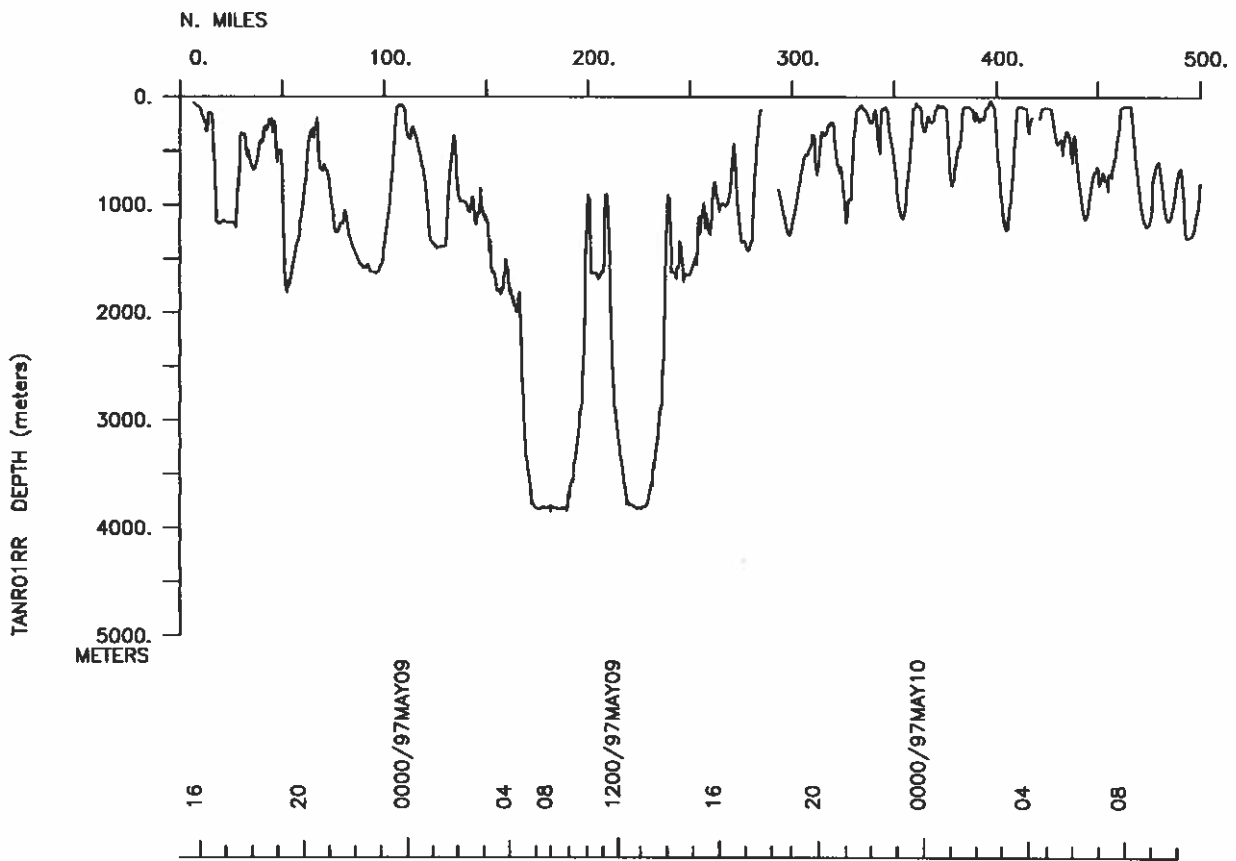


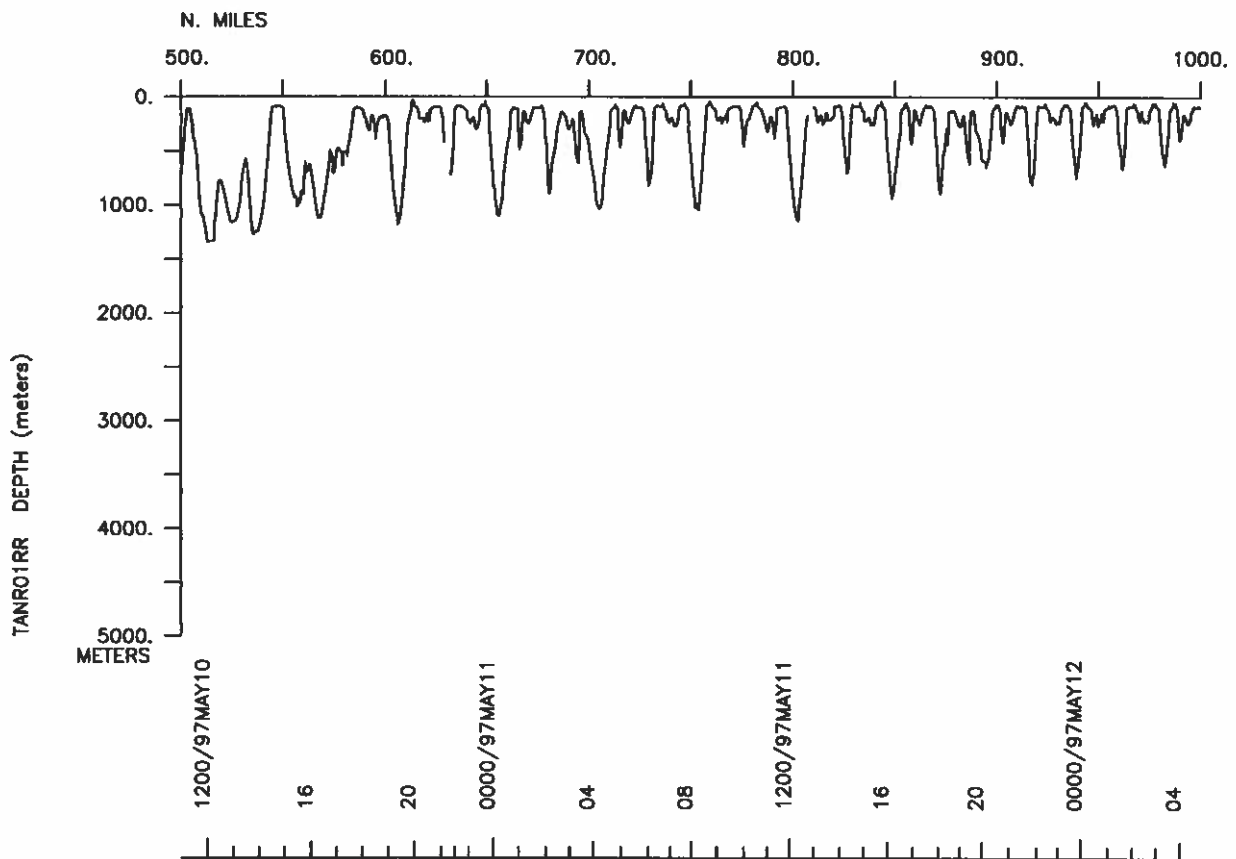
GMT Sep 24 14:52 :San Diego to San Diego, 8-15 May 1997:

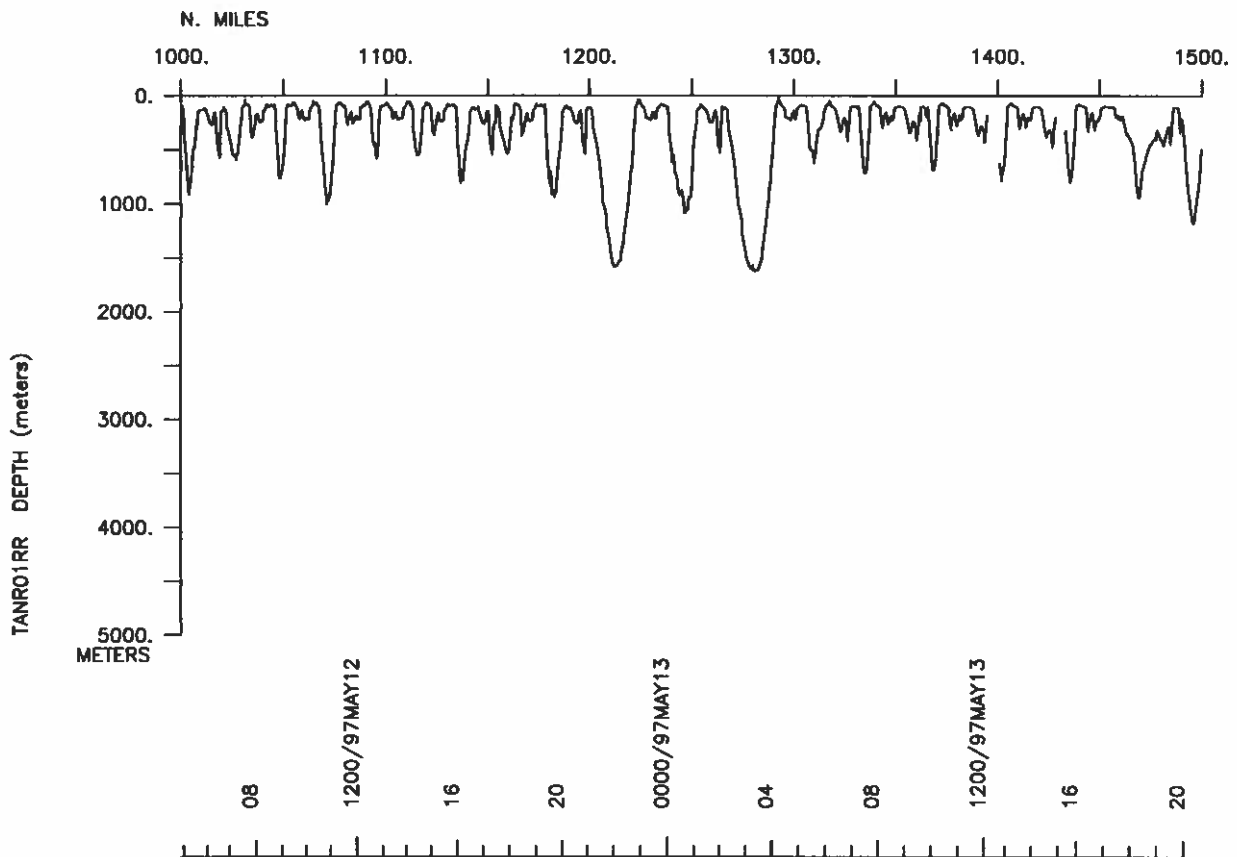
TANR01RR Track

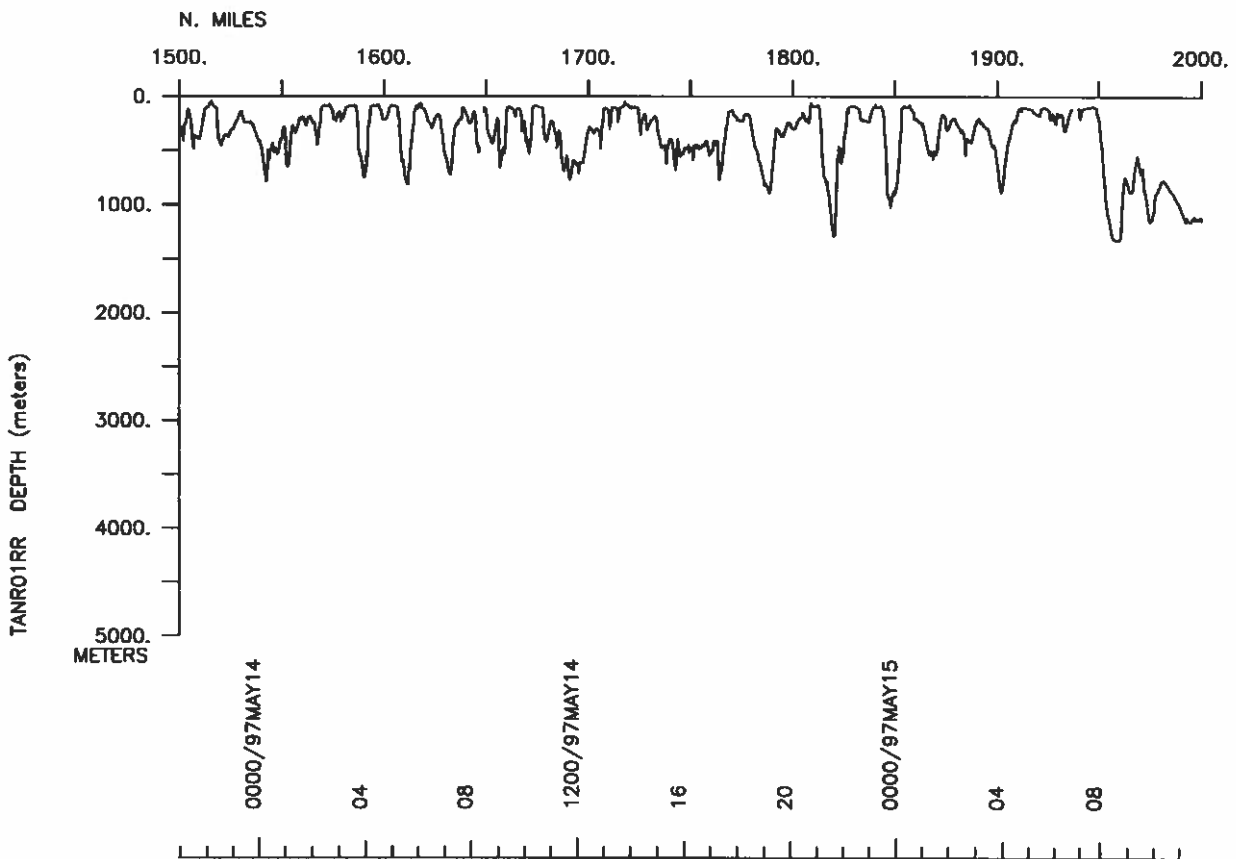


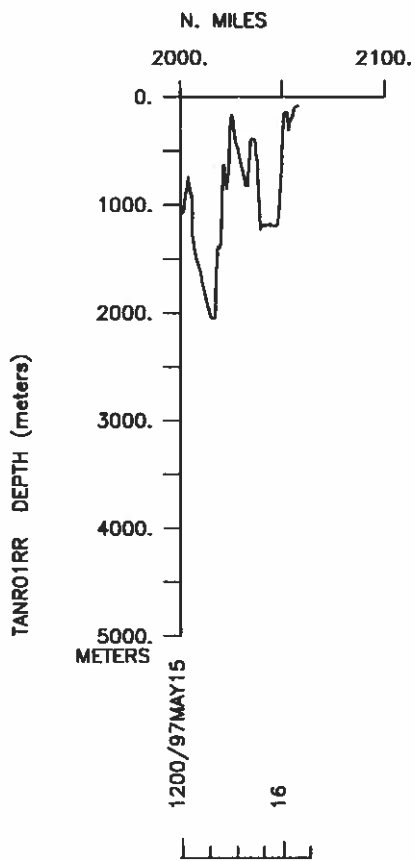
GMT May 15 18:59 :09-10may = black; 11may = red; 12may = green; 13may = blue; 14may = brown; 15may = orange:











S.I.O. SAMPLE INDEX

TANNER BANK EXPEDITION

LEG 1

(TANR01RR)

R/V *Revelle*

(Issued September 1997)

Ports:

San Diego, California (8 May 1997)

to

San Diego, California (15 May 1997)

Chief Scientist: Stuart M. Smith

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.# 273

**** Ports ****

1500 080597 0 LGPT B San Diego, California 32-40.00N 117-14.00W f TANR01RR
 1725 150597 0 LGPT E San Diego, California 32-40.00N 117-14.00W f TANR01RR

**** Personnel ****

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS STS	Smith, Stuart M.	Chief scientist	Scripps Institution	TANR01RR
PECT STS	Charters, James	Computer tech	Scripps Institution	TANR01RR
PECT STS	Jacobsen, Dan	Computer tech	Scripps Institution	TANR01RR
PERT STS	Campbell, Christie	Resident tech	Scripps Institution	TANR01RR
PEBO STS	Peckman, Uta	SeaBeam processor	Scripps Institution	TANR01RR
PESP STS	Goodwillie, Andrew	Technician	Scripps Institution	TANR01RR
PESP SIX	DeAlteris, Jessica	Scientist	Naval Undersea W.C.	TANR01RR
PESP SIX	Pope, R.	Scientist	Naval Oceanogr.Off.	TANR01RR

**** 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 ****

1500 080597 0 LBUW B Underway watch log GDC 32-42.32N 117-14.10W g TANR01RR
 1725 150597 0 LBUW E Underway watch log GDC 32-42.40N 117-14.18W g TANR01RR

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

1700 080597 0 MBSR B v.beam&sidescan r-01 GDC 32-38.79N 117-35.16W g TANR01RR
 1645 150597 0 MBSR E v.beam&sidescan r-01 GDC 32-42.40N 117-14.18W g TANR01RR

**** Echo Sounder Records ****

1700 080597 0 DPR3 B 3.5khz Bathy2000 r-1 GDC 32-38.79N 117-35.16W g TANR01RR
 1630 150597 0 DPR3 E 3.5khz Bathy2000 r-1 GDC 32-42.40N 117-14.18W g TANR01RR

**** Expendable Bathythermographs ****

2202	080597	0	BTXP	MK-12	XBT # 24	GDC	32-47.64N	118-49.62W	g	TANR01RR
0255	100597	0	BTXP	MK-12	XBT # 25	GDC	32-45.31N	119-05.83W	g	TANR01RR
1511	100597	0	BTXP	MK-12	XBT # 26	GDC	32-30.73N	119-01.10W	g	TANR01RR
1611	100597	0	BTXP	MK-12	XBT # 27	GDC	32-42.60N	118-54.88W	g	TANR01RR
1623	100597	0	BTXP	MK-12	XBT # 28	GDC	32-43.81N	118-57.05W	g	TANR01RR
1831	100597	0	BTXP	MK-12	XBT # 29	GDC	32-36.68N	119-06.34W	g	TANR01RR
2321	100597	0	BTXP	MK-12	XBT # 30	GDC	32-39.94N	119-12.30W	g	TANR01RR
0214	110597	0	BTXP	MK-12	XBT # 31	GDC	32-31.32N	119-23.47W	g	TANR01RR
1925	110597	0	BTXP	MK-12	XBT # 32	GDC	32-42.55N	119-16.65W	g	TANR01RR
2002	110597	0	BTXP	MK-12	XBT # 33	GDC	32-48.42N	119-13.13W	g	TANR01RR
0133	120597	0	BTXP	MK-12	XBT # 34	GDC	32-27.19N	119-16.44W	g	TANR01RR
2353	130597	0	BTXP	MK-12	XBT # 35	GDC	32-39.95N	119-20.48W	g	TANR01RR
0348	150597	0	BTXP	MK-12	XBT # 36	GDC	32-25.39N	118-55.75W	g	TANR01RR
0355	150597	0	BTXP	MK-12	XBT # 37	GDC	32-25.11N	118-53.95W	g	TANR01RR
1003	150597	0	BTXP	MK-12	XBT # 38	GDC	32-35.13N	118-53.88W	g	TANR01RR

End Sample Index TANR01RR