

**REPORT AND INDEX OF  
UNDERWAY MARINE GEOPHYSICAL DATA**

**SOJOURN EXPEDITION**

**LEG 8**

**(SOJN08MV)**

**R/V MELVILLE**

**(Issued August 1997)**

**Ports:**

Melbourne, Australia (14 May 1997)

to

Papeete, Tahiti (26 May 1997)

**NO CHIEF SCIENTIST ON BOARD-Transit Mode**

Ron Moe, Computer Engineer in Charge

Scripps Institution of Oceanography

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*

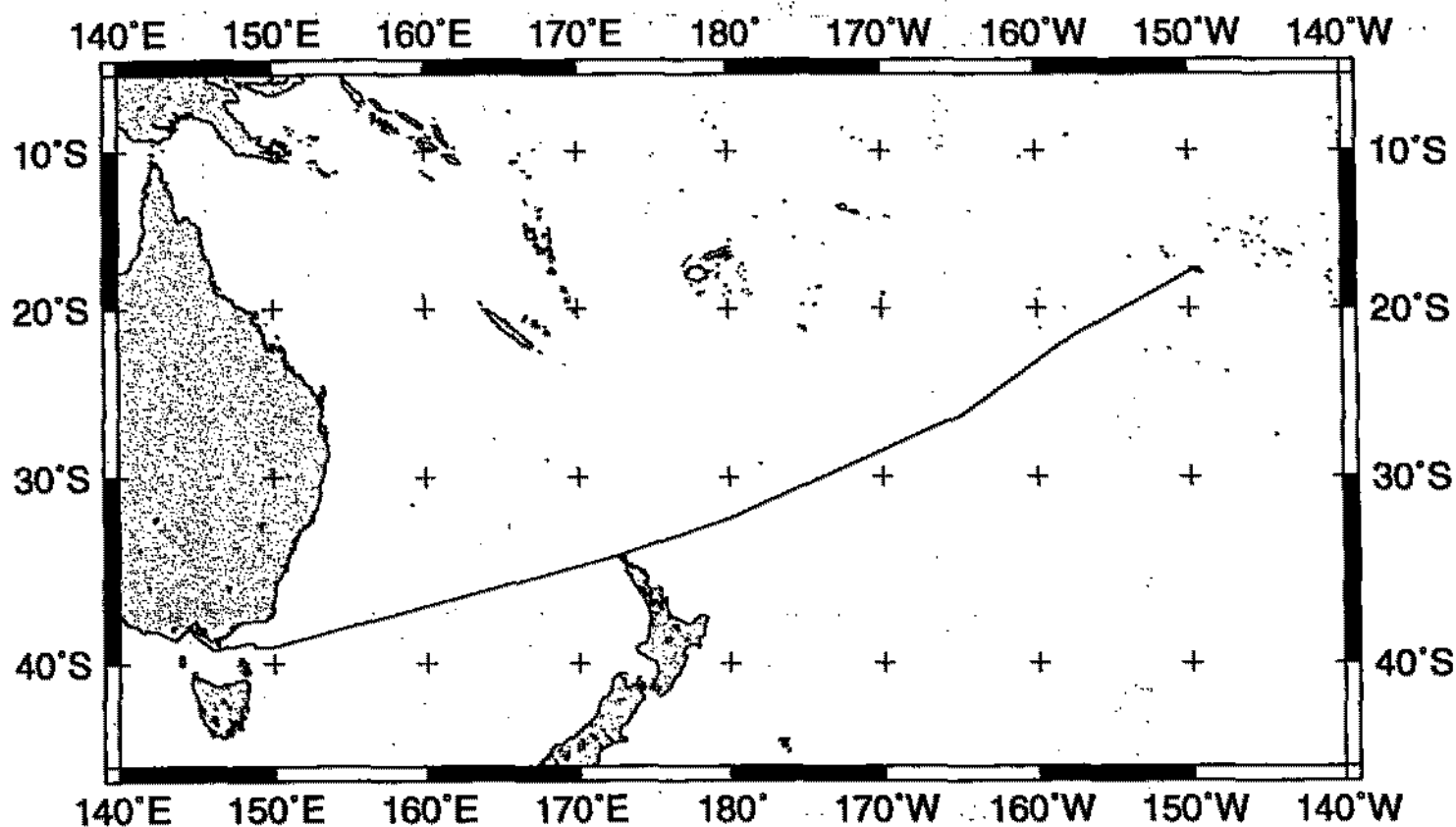
GDC Cruise I.D.# 2679

### SeaBeam 2000 Data Collected in Ancillary Mode

In the absence of funding for SeaBeam operations on this leg, SeaBeam data were collected in "ancillary mode". In this mode of operation, no Hardware Technician or SB/Underway Processor were on board and the types of realtime records and post-processed data products are reduced from those available under the fully funded mode.

The SeaBeam data remain proprietary to the SIO Shipboard Technical Support Group, *not the chief scientist.*

May 1993



### **SOJOURN EXPEDITION LEG 8**

**TRANSIT MODE**-No Chief Scientist on board

**PORTS:** Melbourne, Australia - Papeete, Tahiti

**DATES:** 14 - 26 May 1997

**SHIP:** R/V Melville

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

**Cruise** - 3729 miles

**Magnetics** - 2234 miles

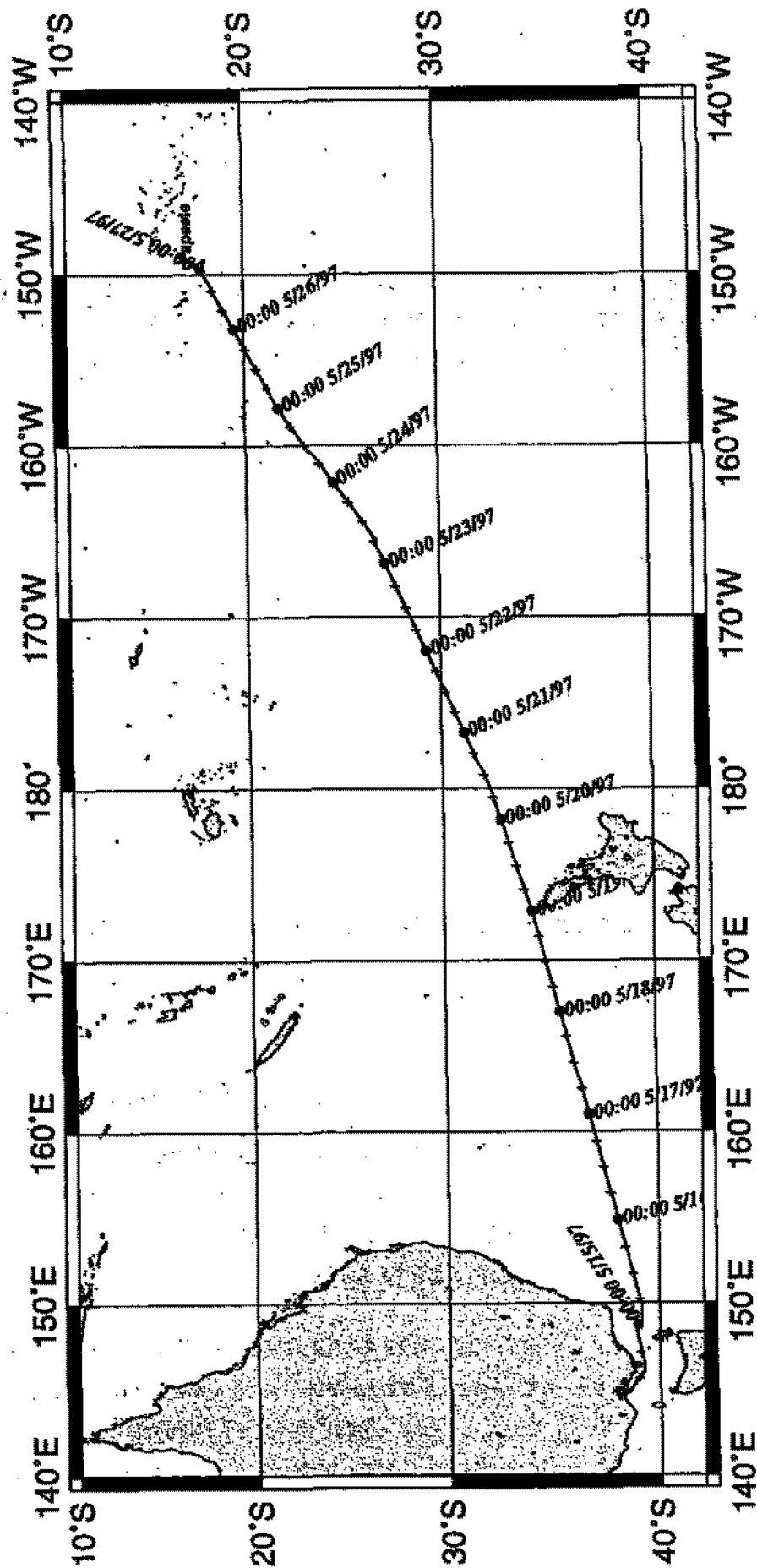
**Bathymetry** - 3469 miles

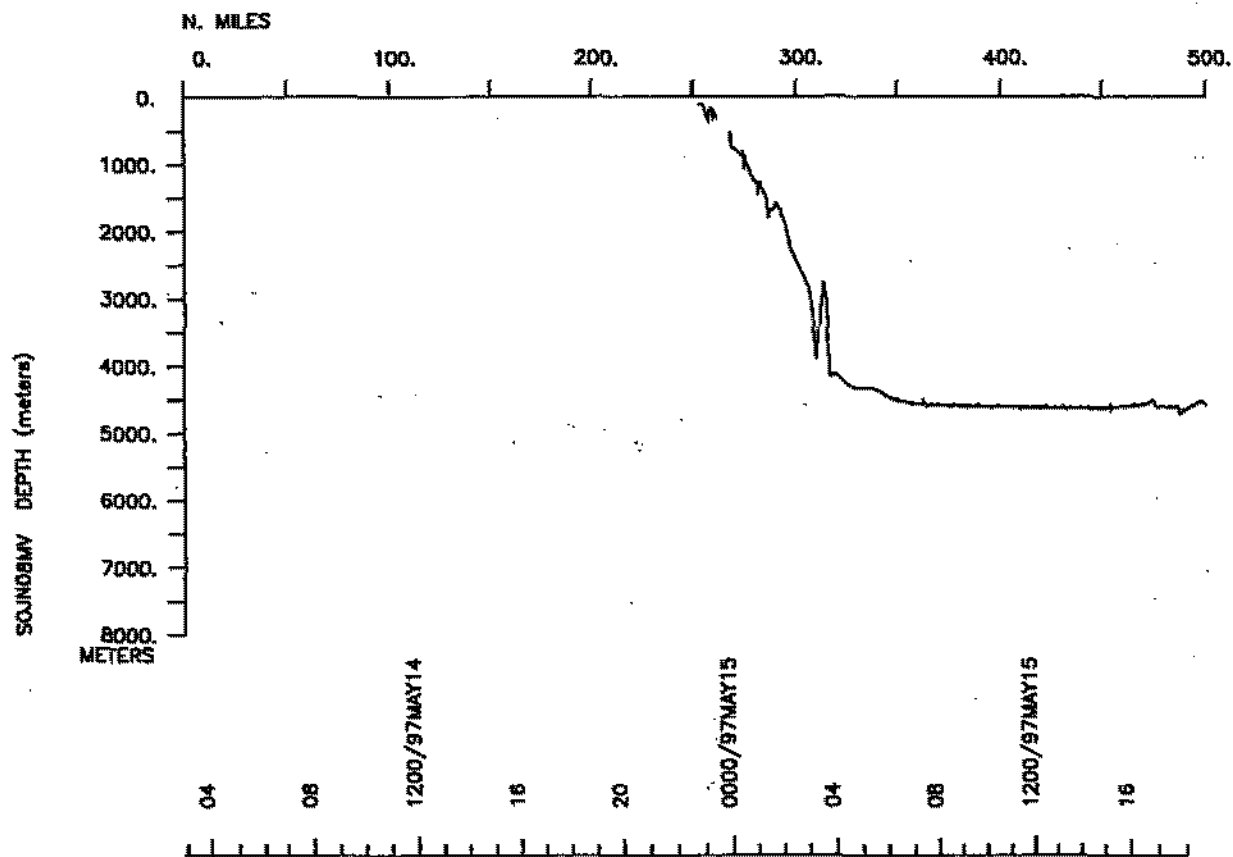
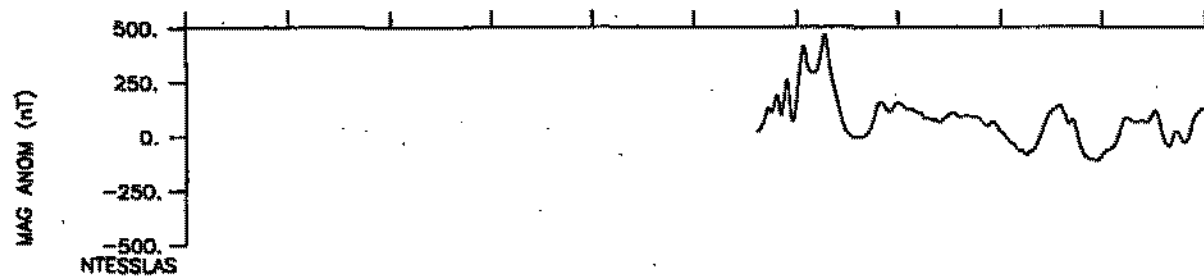
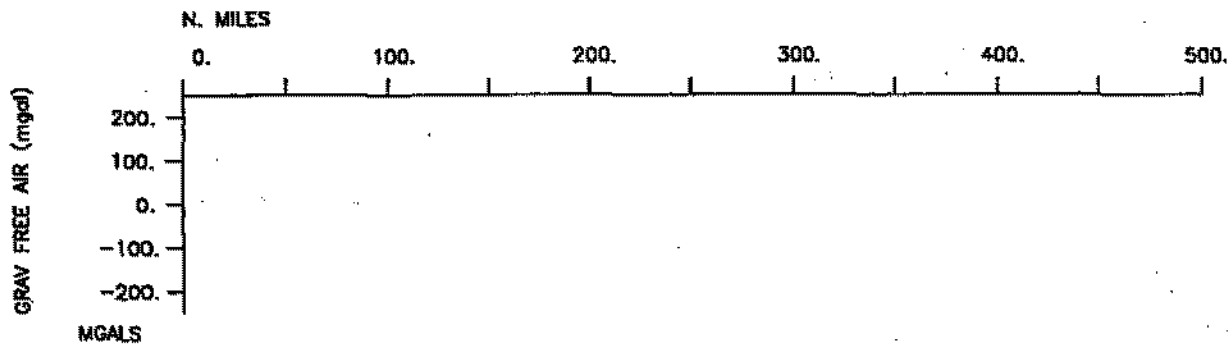
**Seismic Reflection** - none collected

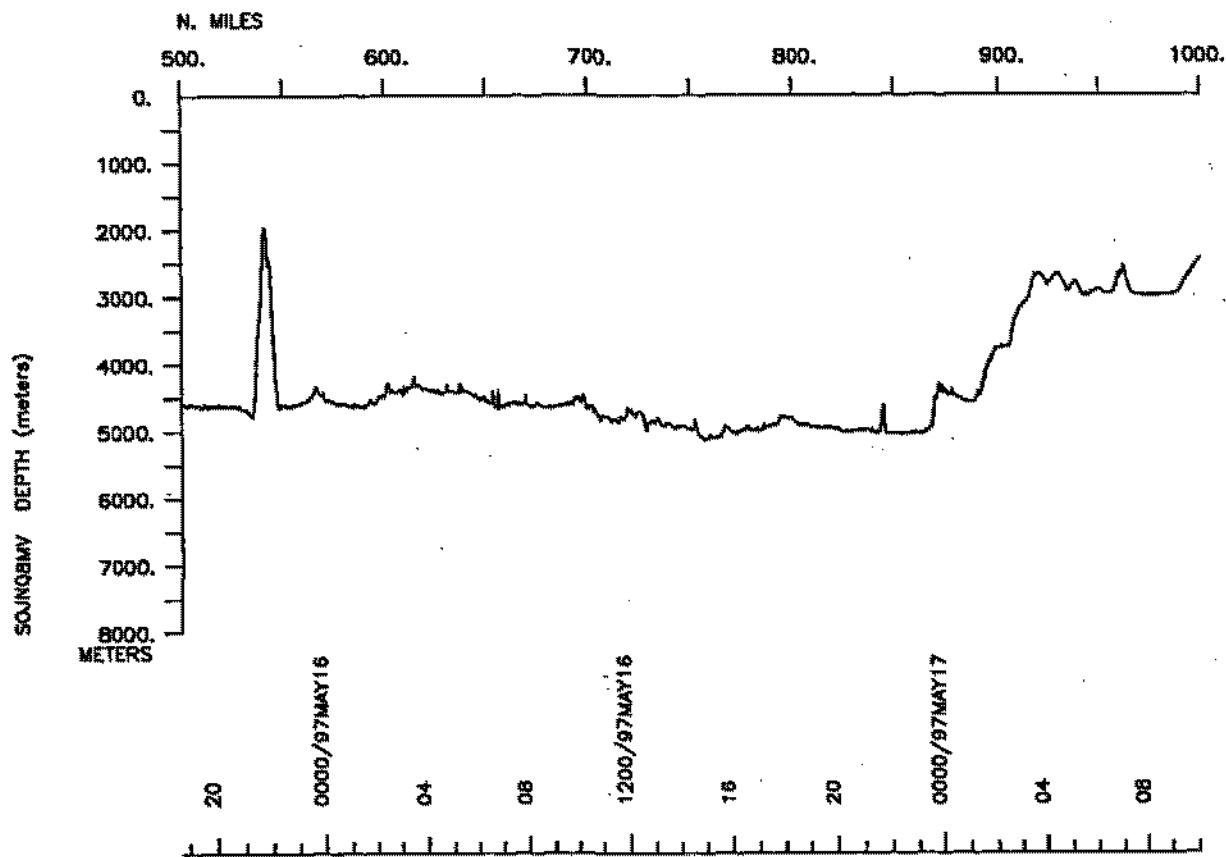
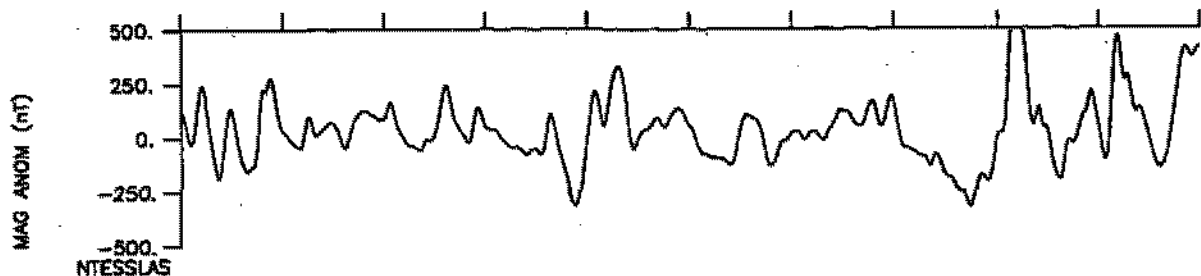
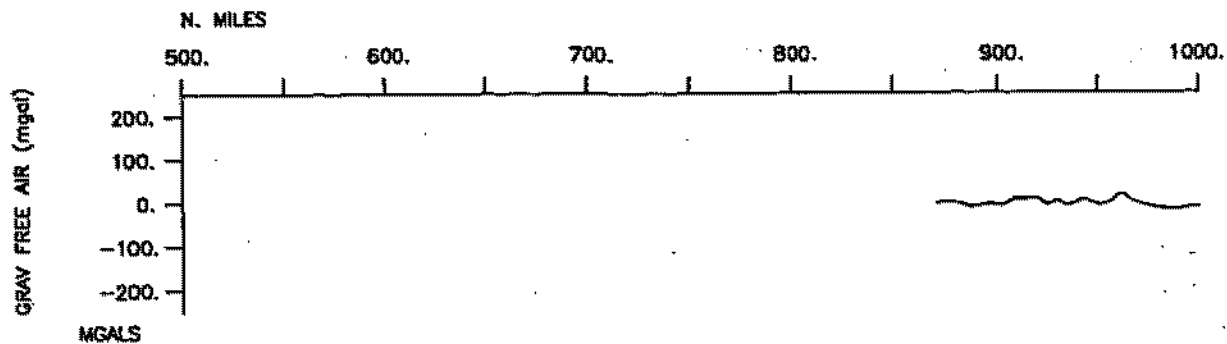
**Sea Beam** - 3469 miles

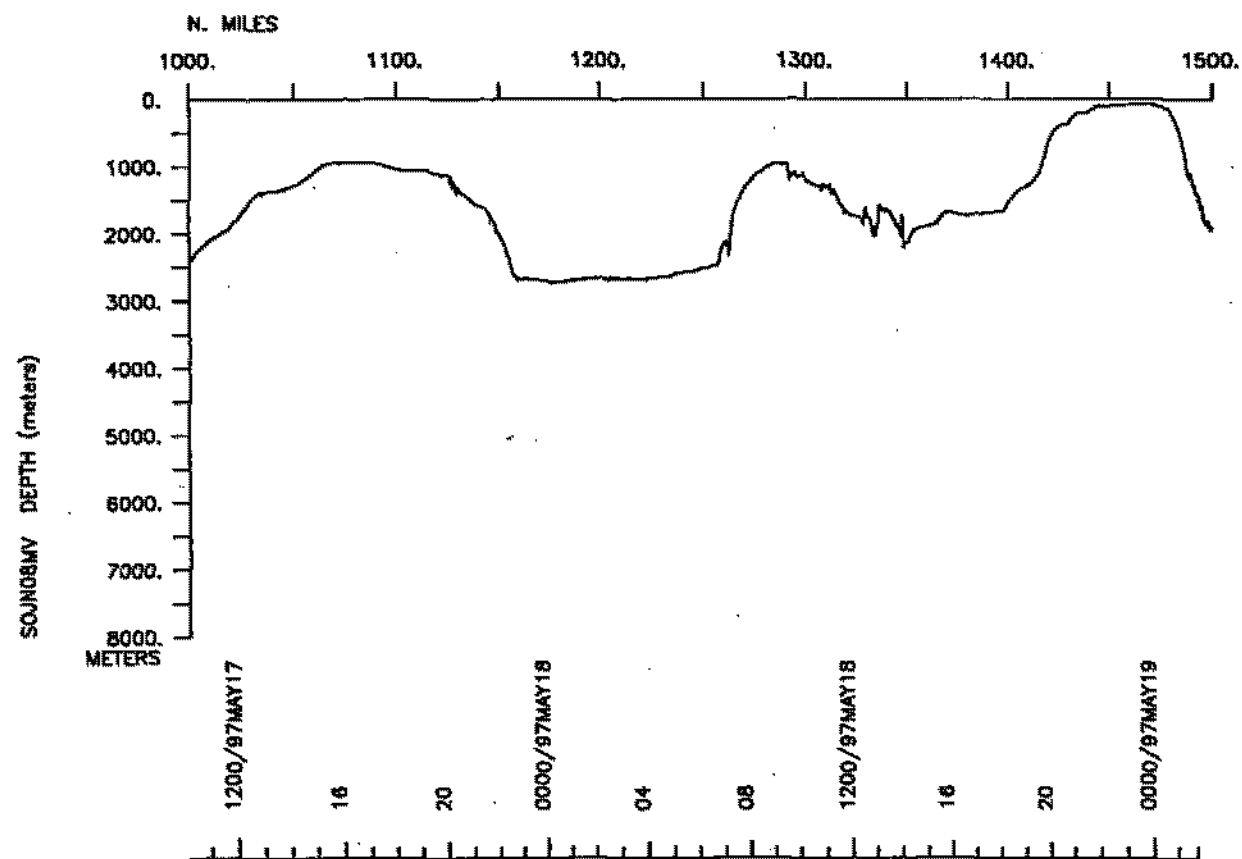
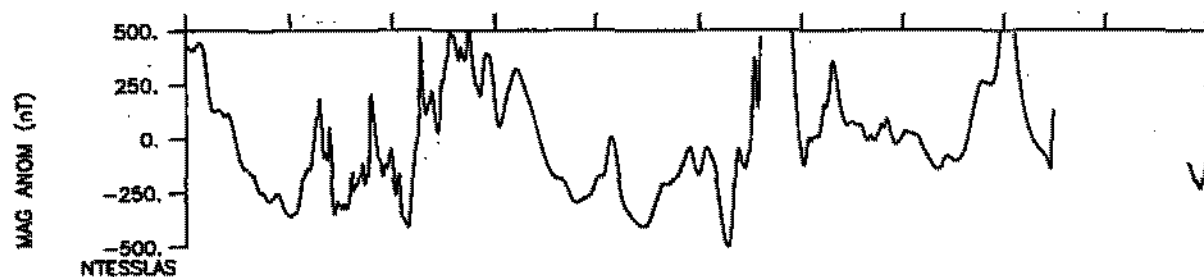
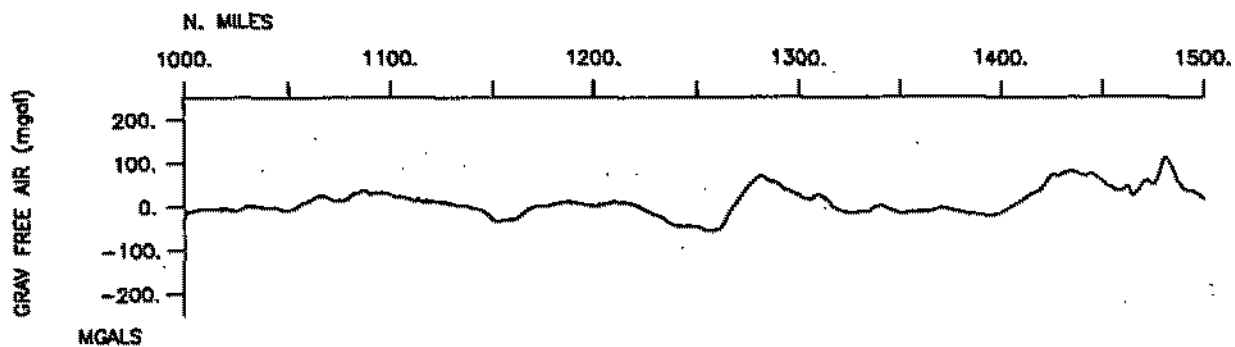
**Gravity** - 2747 miles

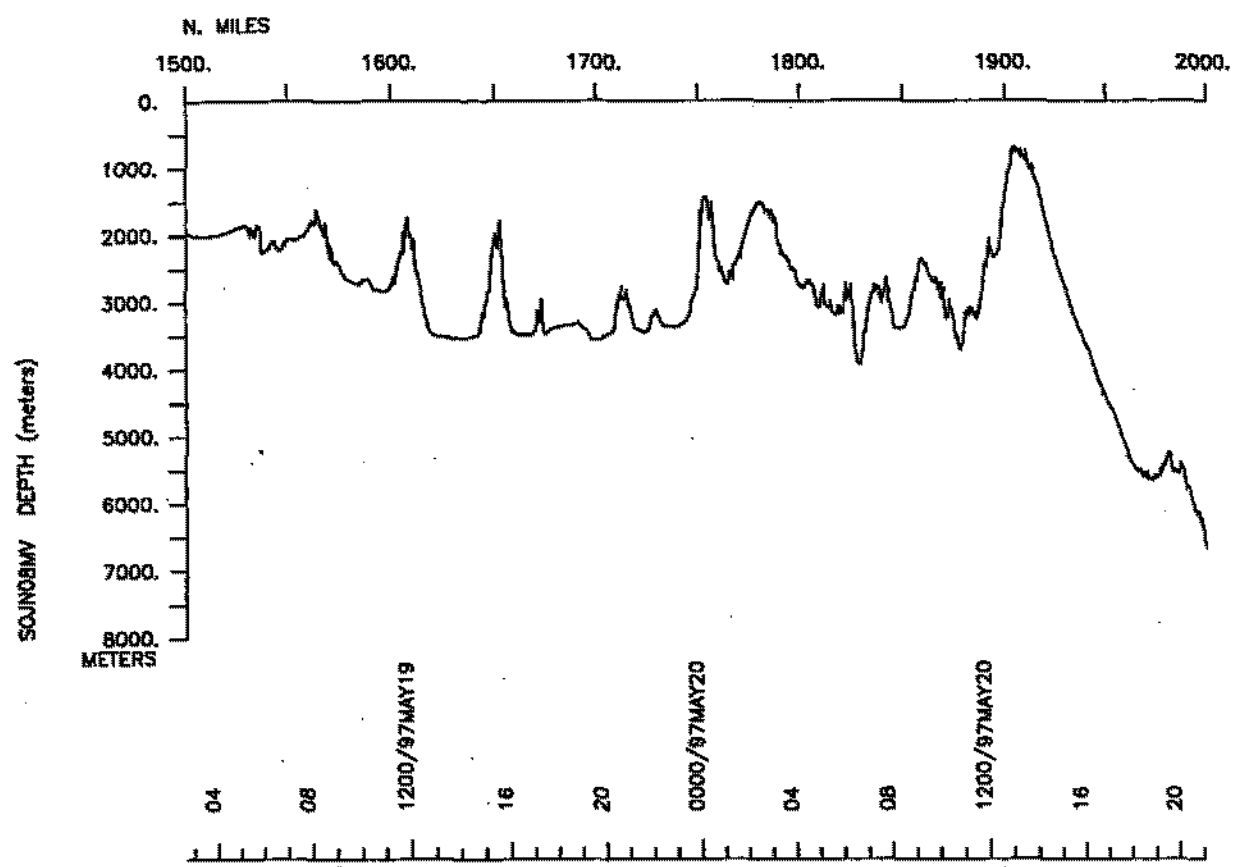
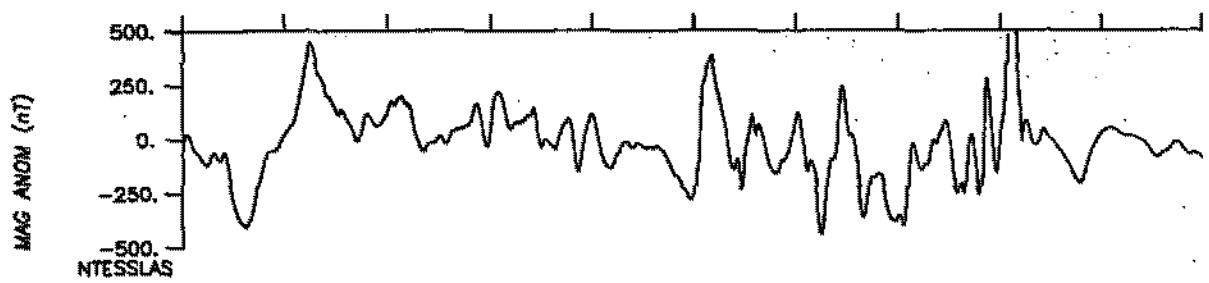
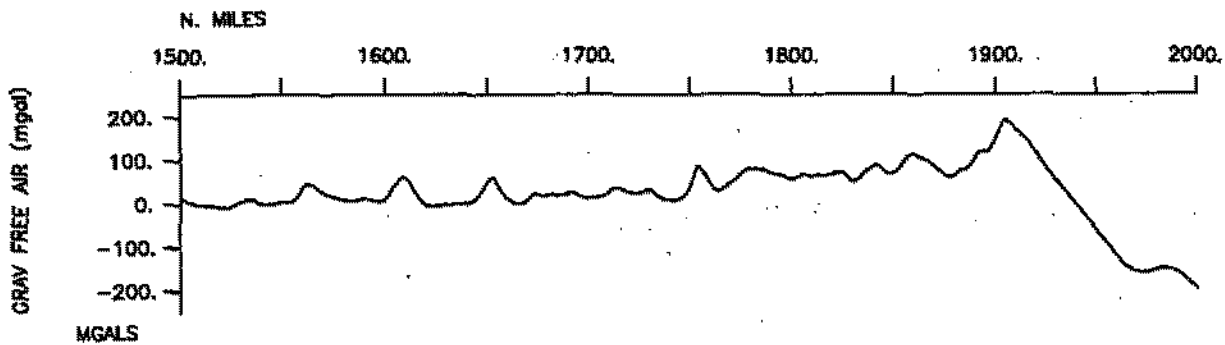
# SOJN08MV Track begin



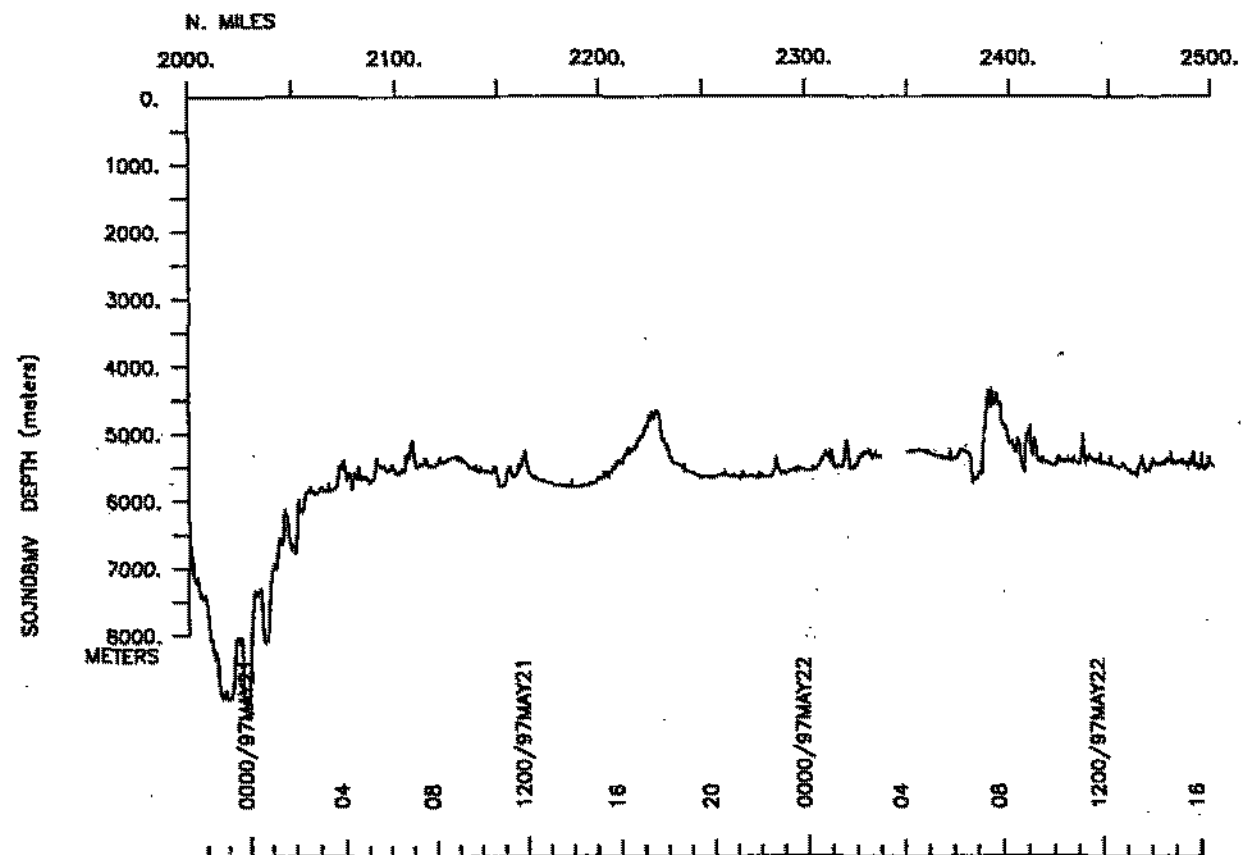
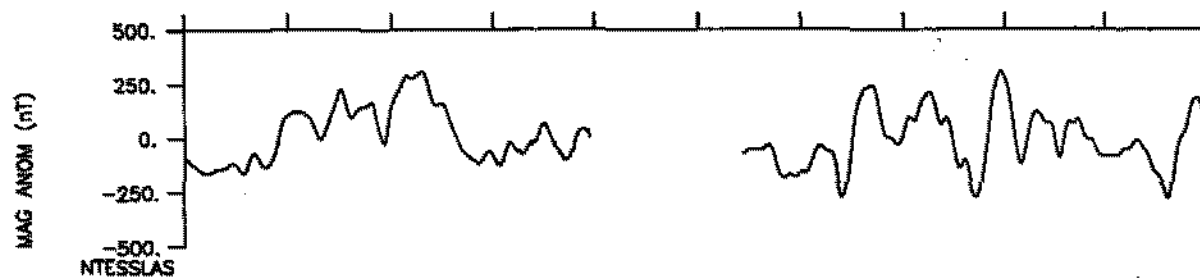
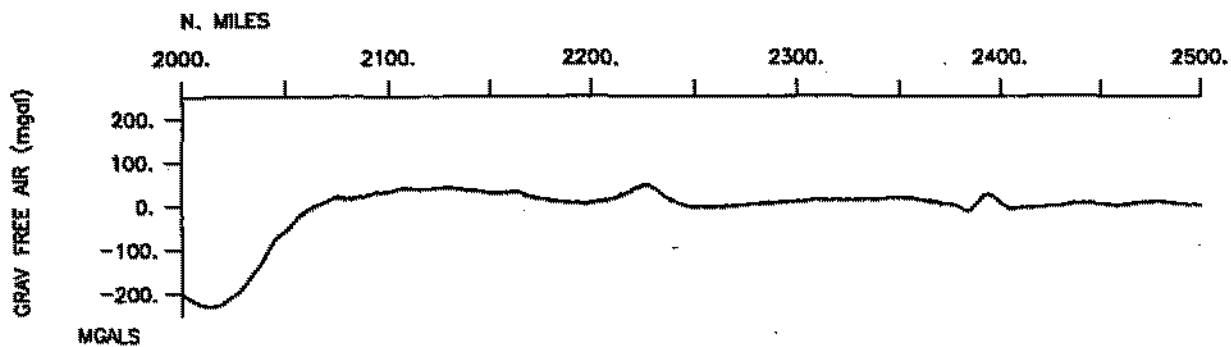


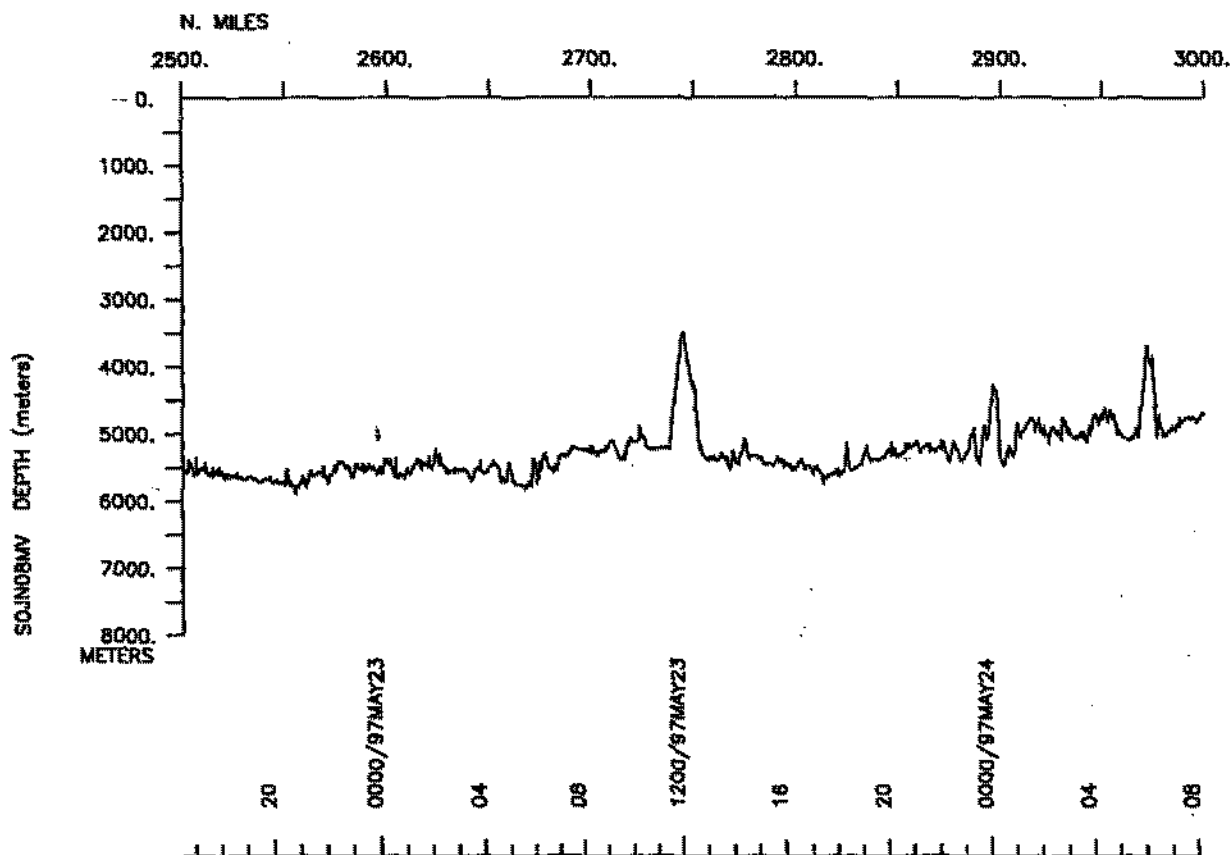
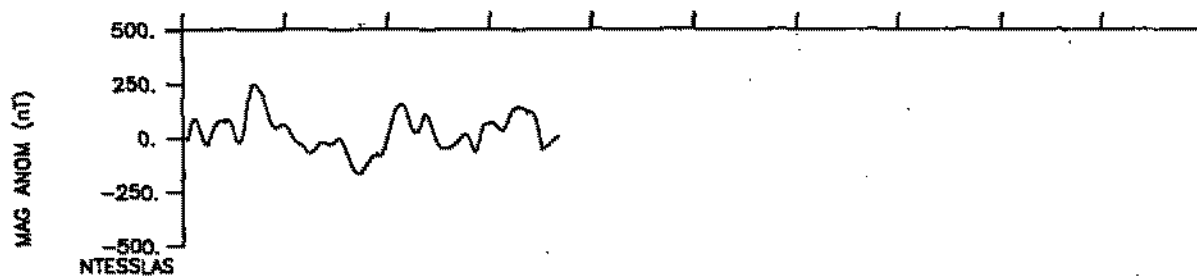
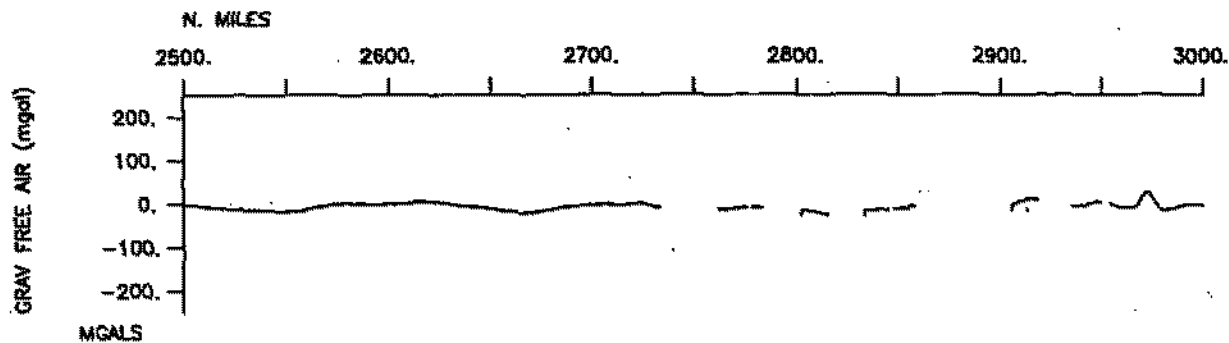


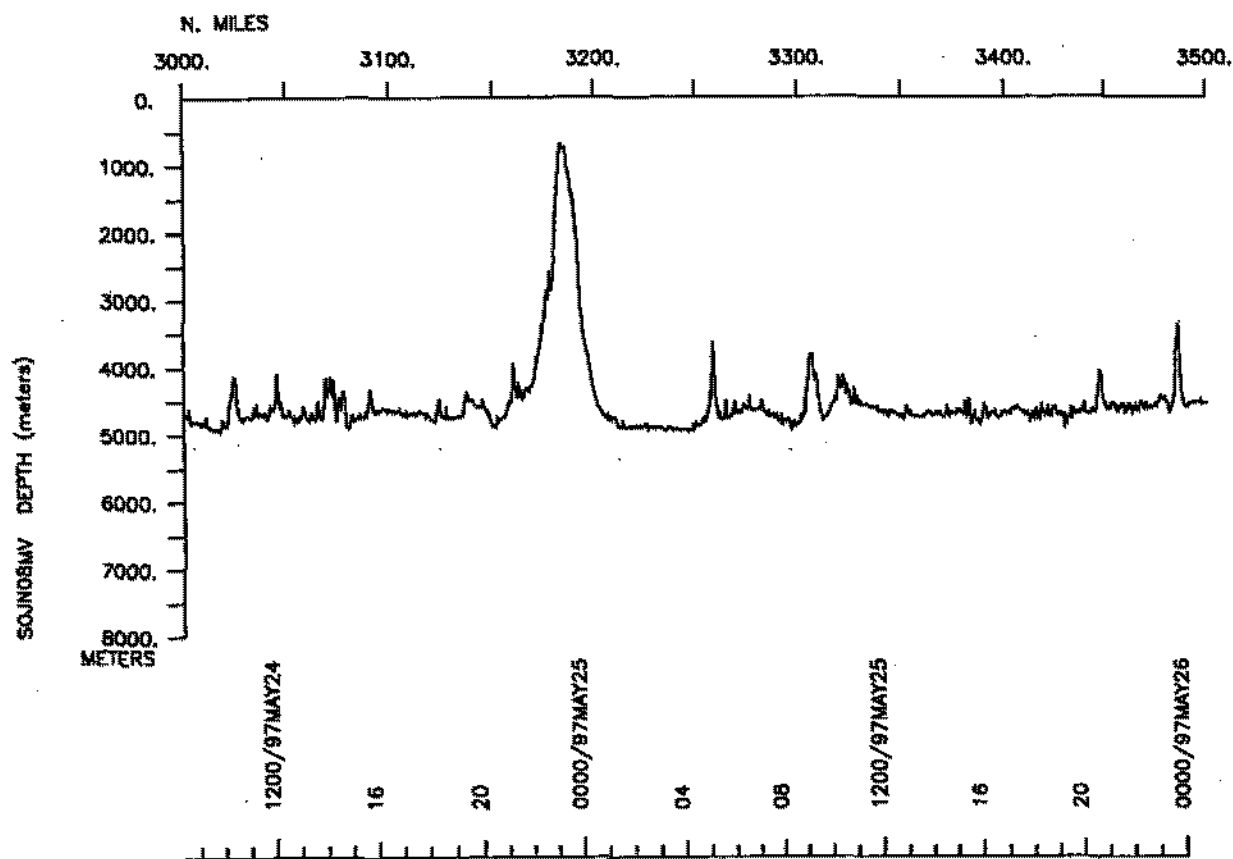
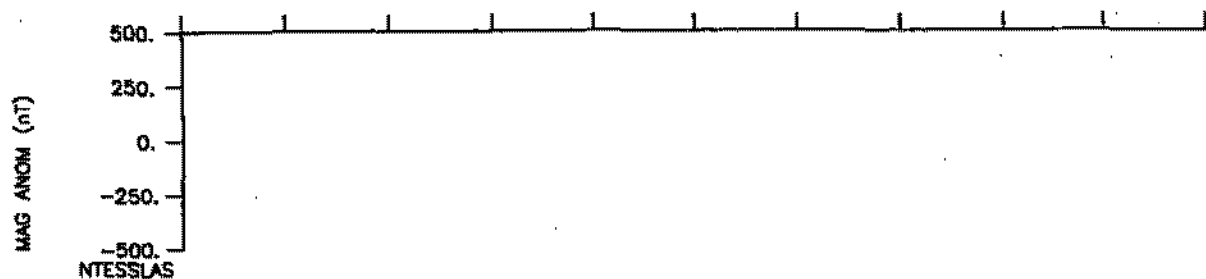
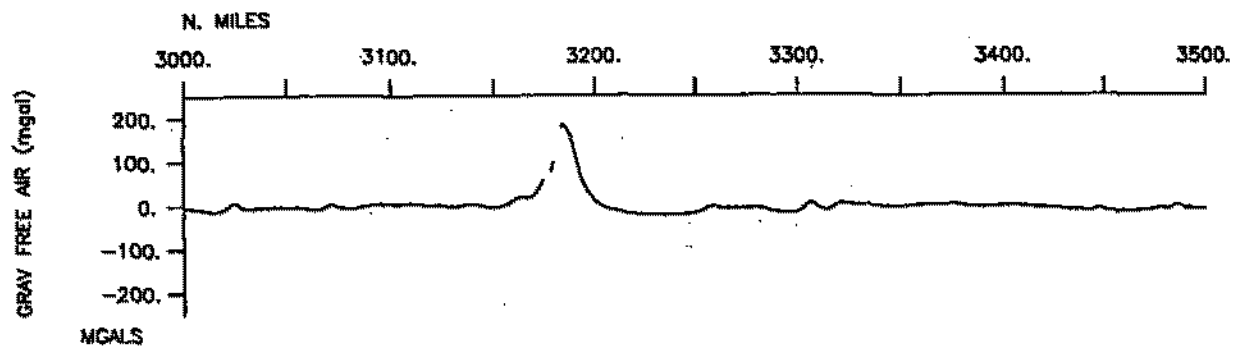


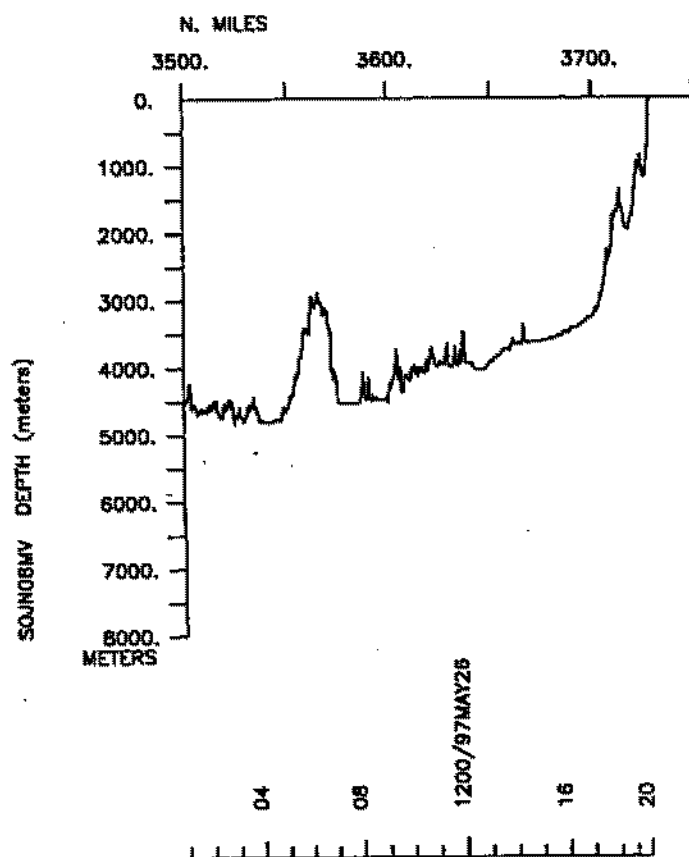
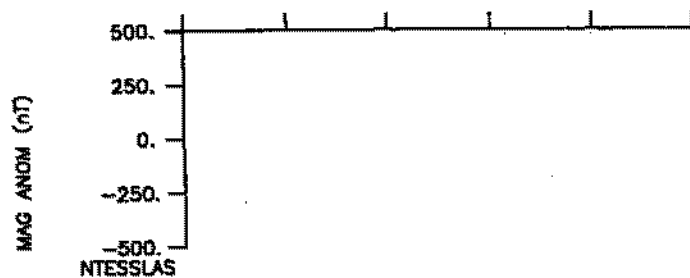
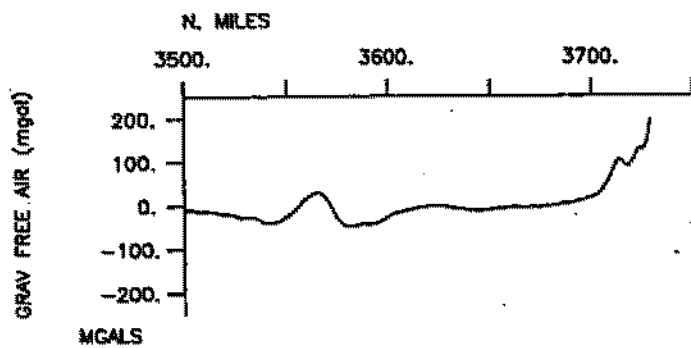












**S.I.O. SAMPLE INDEX**

**SOJOURN EXPEDITION**

**LEG 8**

**(SOJN08MV)**

**R/V Melville**

**(Issued August 1997)**

**Melbourne, Australia (14 May 1997)**

**to**

**Papeete, Tahiti (26 May 1997)**

**Ron Moe, Computer Engineer. In Charge  
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.# 267**

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

0230	140597	LGPT B Melbourne, Australia	37-49.00S 144-57.00E f	SOJN08MV
2030	260597	LGPT E Papeete, Tahiti	17-32.00S 149-34.00W f	SOJN08MV

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

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
#	-----	-----	-----	-----
PRCT STS	Moe, Ronald	Computer tech	Scripps Institution	SOJN08MV

## \*\*\*\* 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 DDMYY	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 \*\*\*\*

0230	140597	0 LBW B	Underway Watch Log	GDC	37-49.19S	144-56.36E	g	SOJN08MV
2025	260597	0 LBW E	Underway Watch Log	GDC	17-32.28S	149-34.76W	g	SOJN08MV

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

2247	140597	0 MBSR B	v.beam&sidescan r-01	GDC	38-55.92S	148-24.86E	g	SOJN08MV
2200	180597	0 MBSB E	v.beam&sidescan r-01	GDC	34-24.80S	172-19.99E	g	SOJN08MV
2200	180597	0 MBSB B	v.beam&sidescan r-02	GDC	34-24.80S	172-19.99E	g	SOJN08MV
2020	260597	0 MBSB B	v.beam&sidescan r-02	GDC	17-32.28S	149-34.76W	g	SOJN08MV

## \*\*\*\* Magnetism (Earth Total Field) Records \*\*\*\*

1430	150597	0 MGRA B	Magnetism R-01	GDC	38-39.81S	152-16.74E	g	SOJN08MV
0830	200597	0 MGRA E	Magnetism R-01	GDC	32-19.37S	179.58-50W	g	SOJN08MV
0845	200597	0 MGRA B	Magnetism R-02	GDC	32-18.16S	179.55-36W	g	SOJN08MV
0700	230597	0 MGRA E	Magnetism R-02	GDC	26-39.44S	165.23.90W	g	SOJN08MV

## \*\*\*\* Continuous Recorded Gravity \*\*\*\*

0030	170597	0 GVCR B	digital gravity rec	GDC	36-48.92S	161-08.64E	g	SOJN08MV
2025	260597	0 GVCR E	digital gravity rec	GDC	17-32.28S	149-34.76W	g	SOJN08MV

#

End Sample Index

SOJN08MV