

***Report and Index of
Underway Marine Geophysical Data***

Cook Expedition

Leg 17

(COOK17MV)

R/V Melville

(Issued April 2002)

Ports:

Easter Island, Chile (25 December 2001)

to

Papeete, Tahiti (02 January 2002)

No Chief Scientist: Transit Leg

Computer Tech - John Chatwood

Resident Marine Tech - Bob Wilson

Post-Cruise processing and report preparation by

Shipboard Technical Support Group,

Scripps Institution of Oceanography

La Jolla, CA 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 Shipboard Technical Support Group, Scripps Institution of Oceanography, La Jolla, California 92093-0223.

GDC Cruise ID# 295

**Report and Index of Navigation
and Underway Geophysical Data**

Processed by the Shipboard Technical Support Group
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

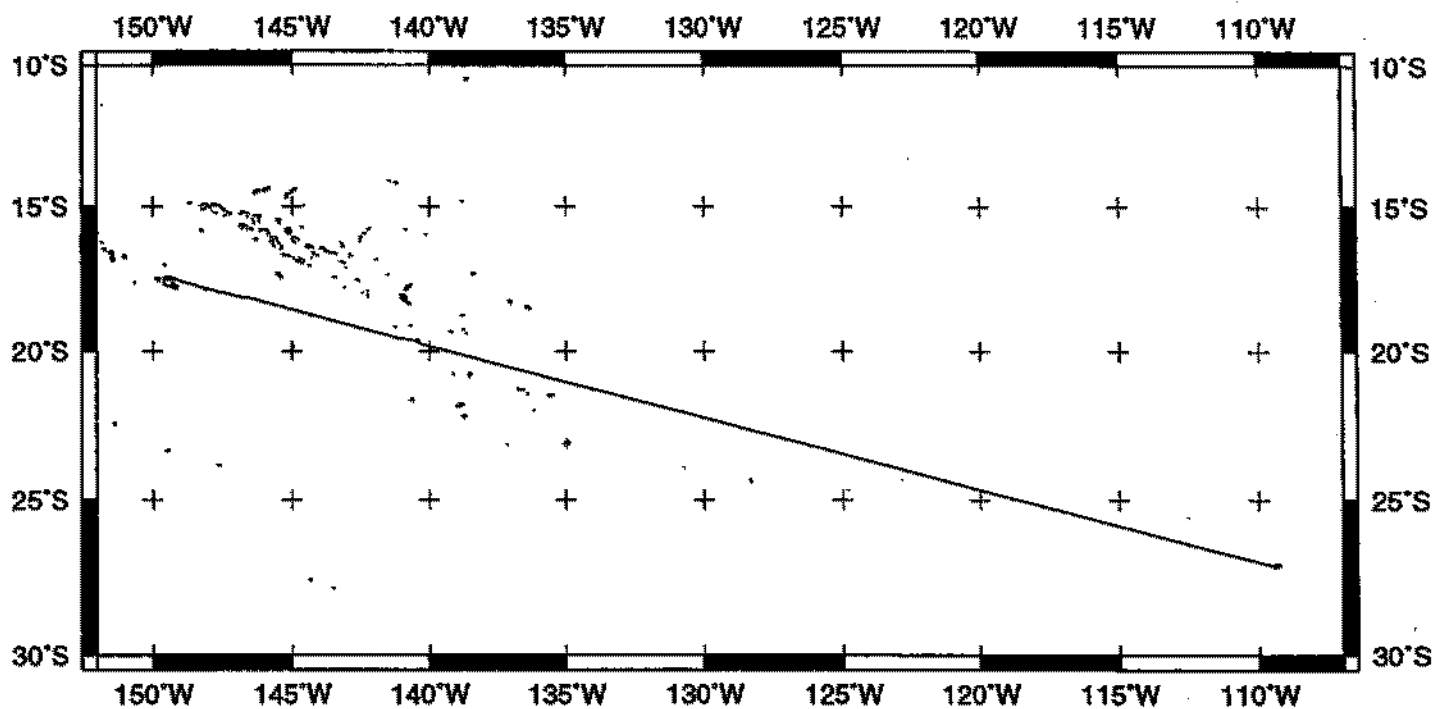
Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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:

For information on the availability of this current digital data as well as archived digital data contact Stephen P. Miller, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0220 Phone: (858)534-1898, internet email: spmiller@ucsd.edu; or his Website: <http://SIOExplorer@ucsd.edu>

Rev 6/2001



COOK EXPEDITION LEG 17 (COOK17MV)

CHIEF SCIENTIST: No Chief Scientist: Transit leg

PORTS: Easter Island, Chile - Papeete, Tahiti

DATES: 25 December 2001 - 2 January 2002

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-2308 miles

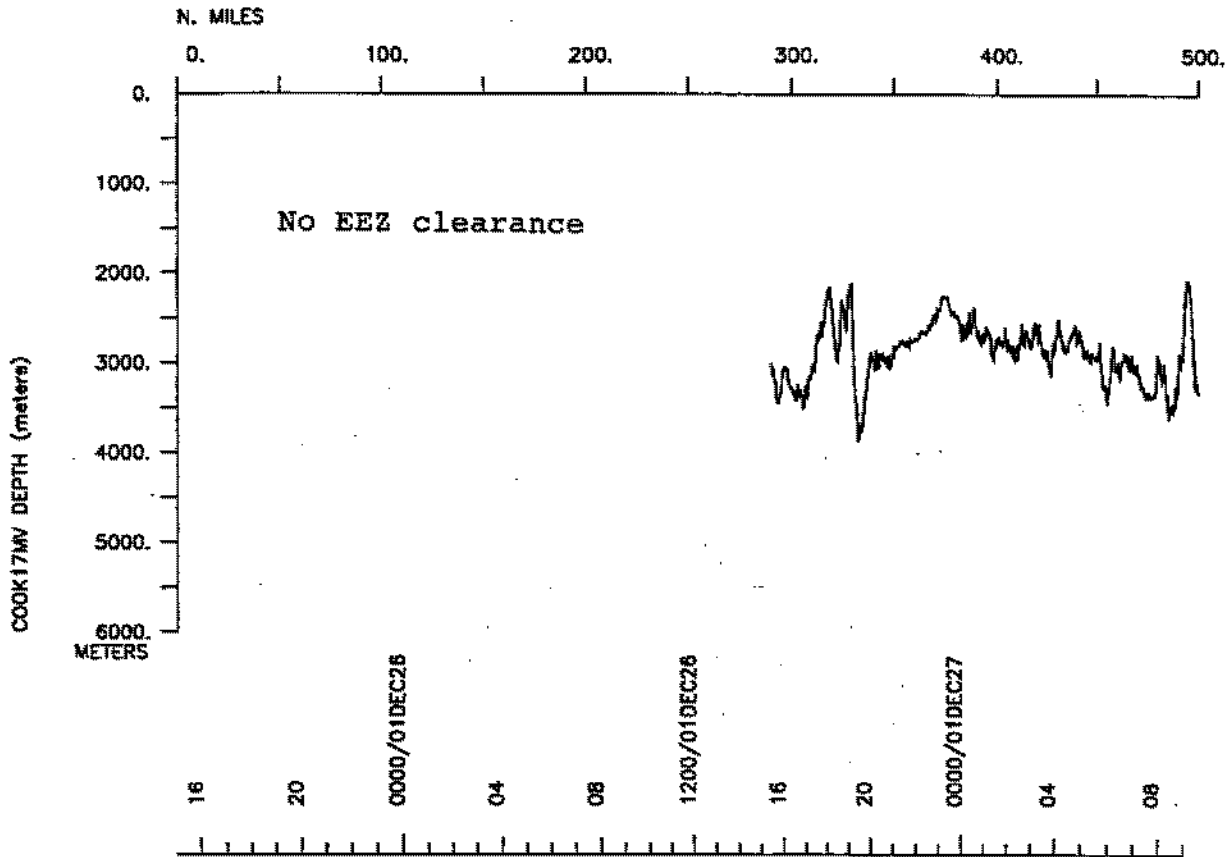
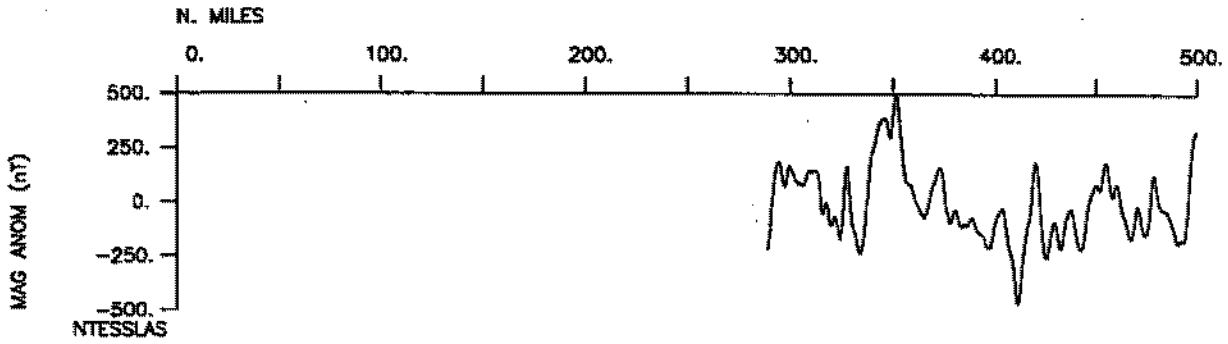
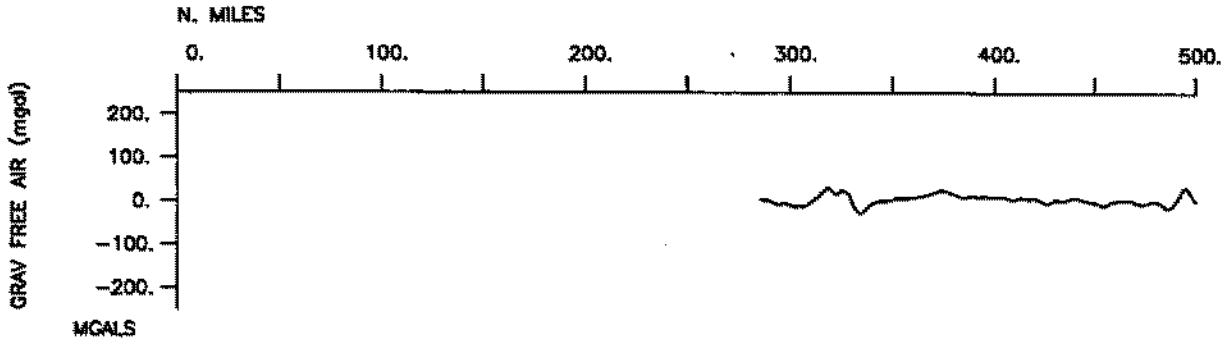
Magnetics-372 miles

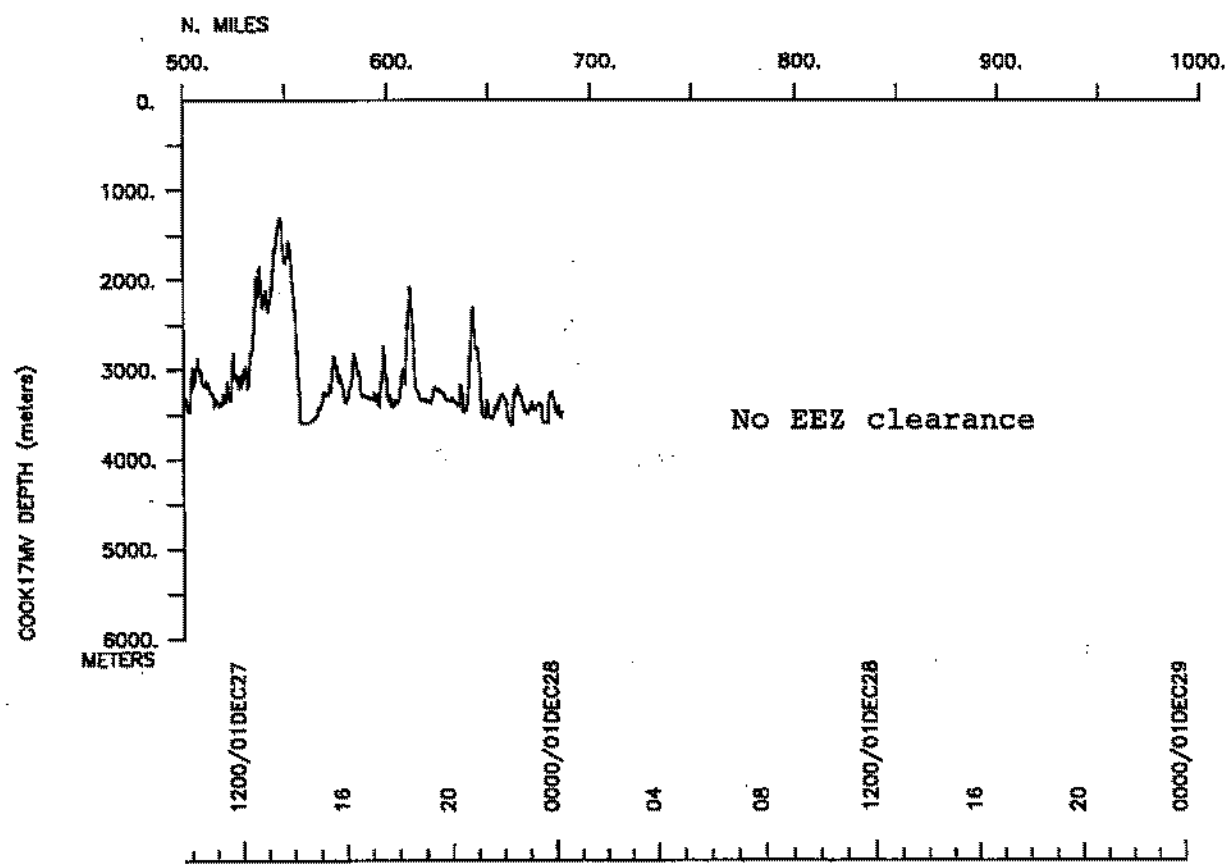
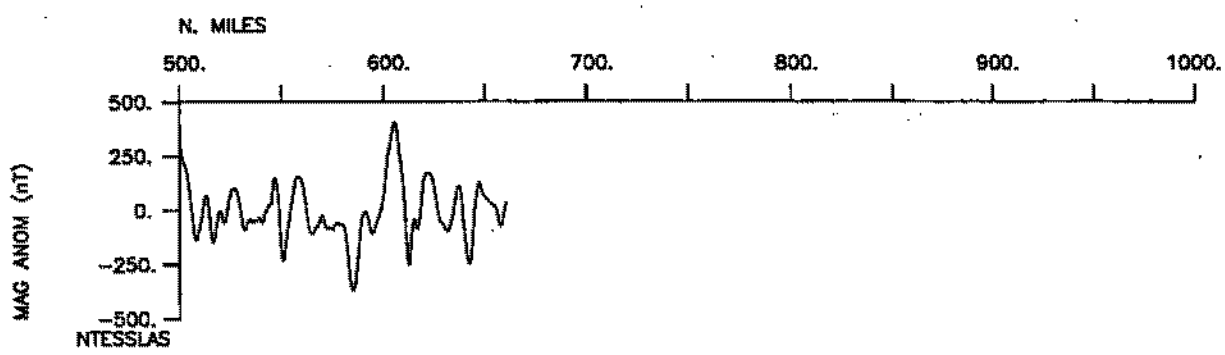
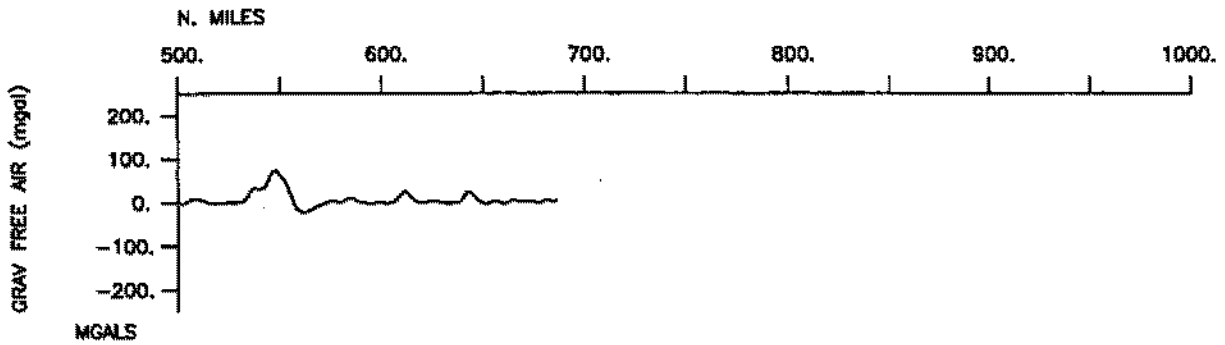
Bathymetry-1448 miles

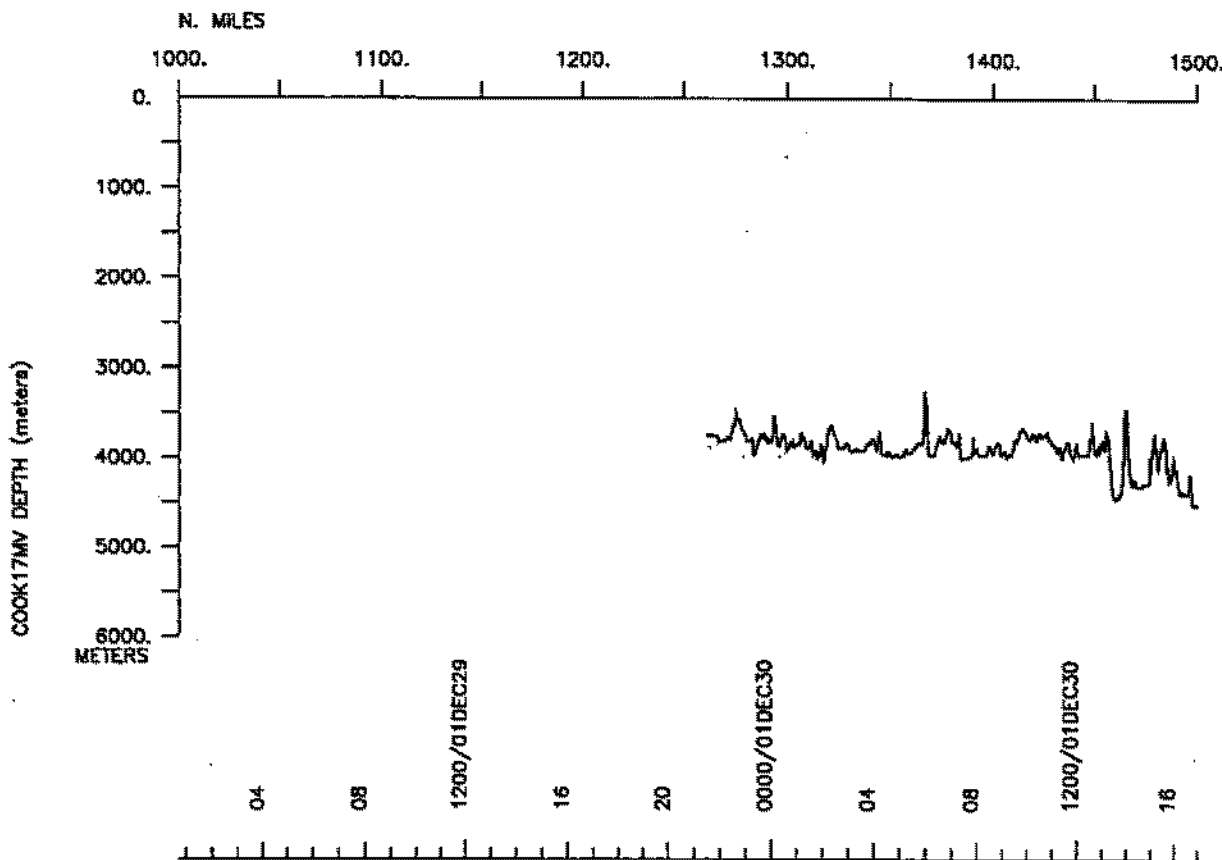
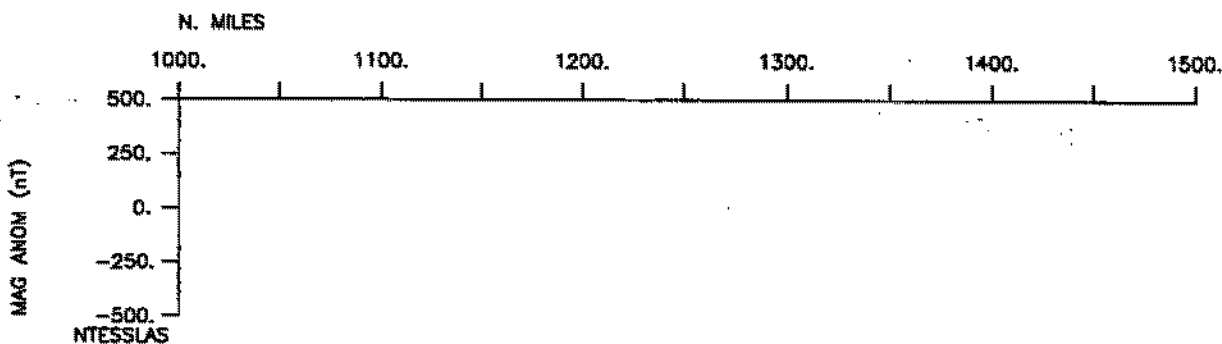
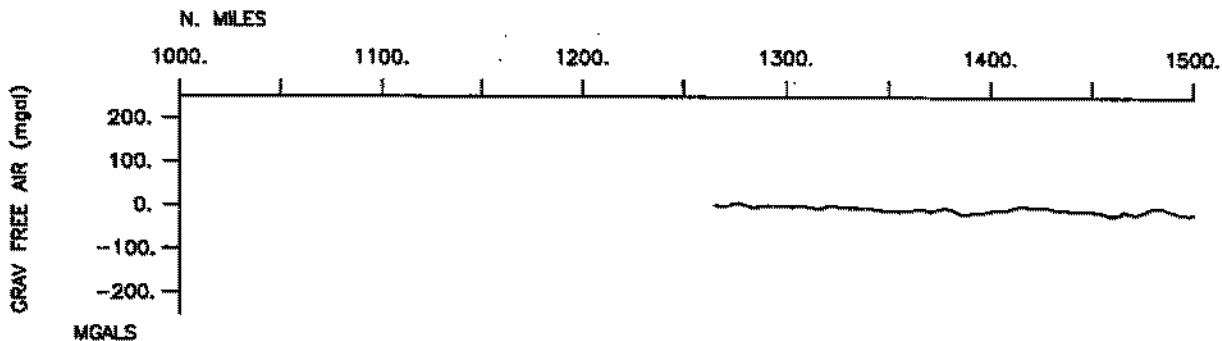
Seismic Reflection-none collected

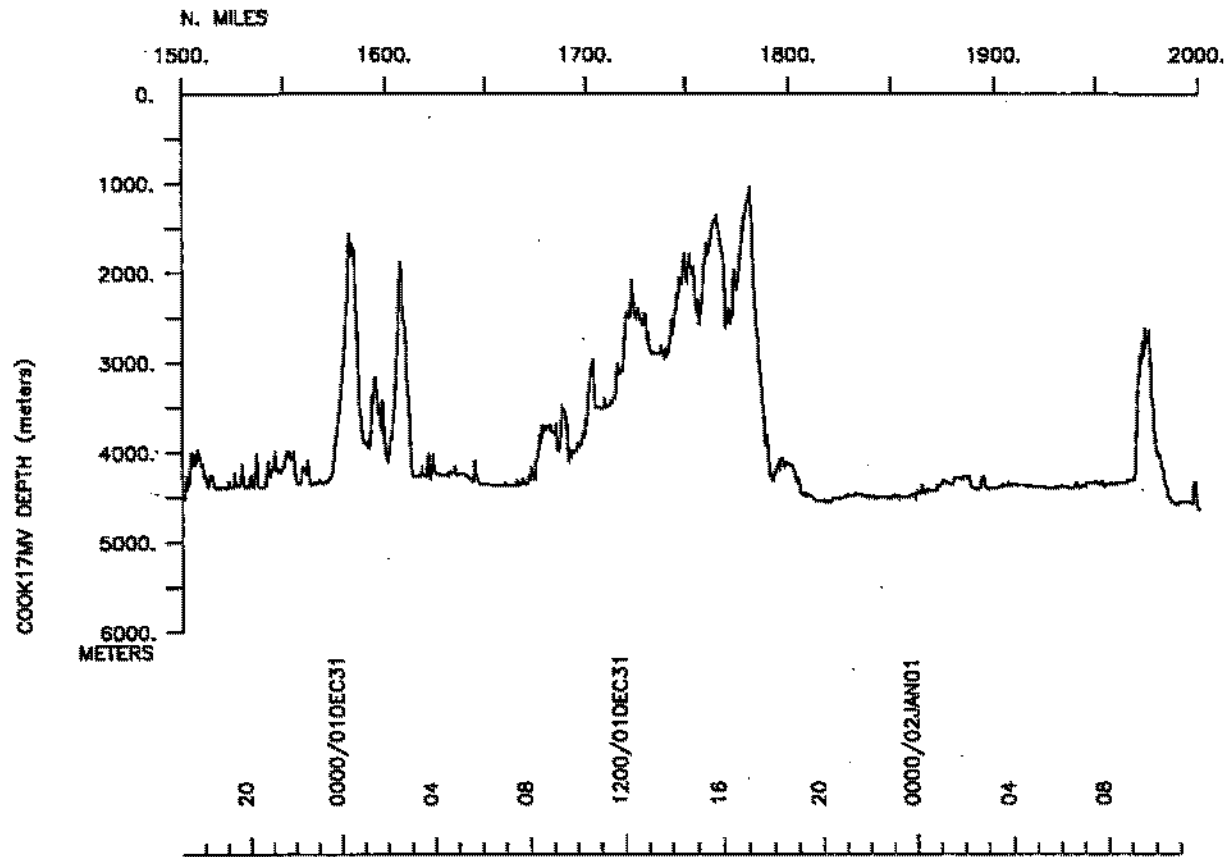
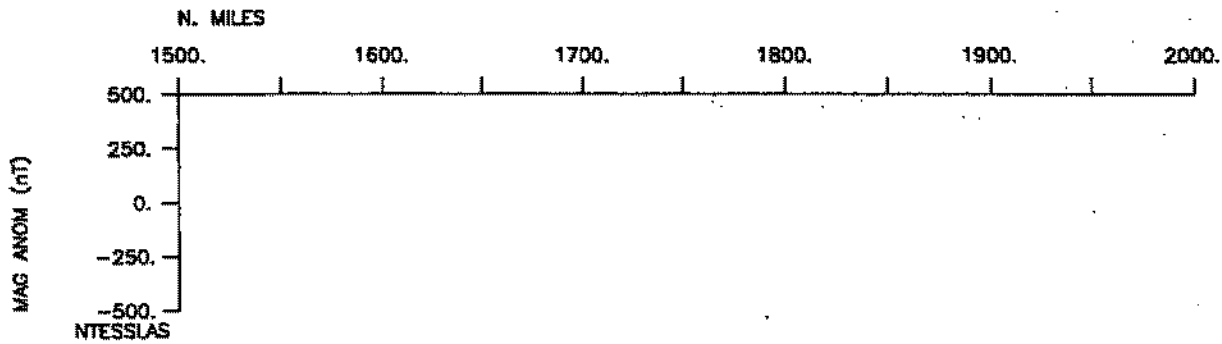
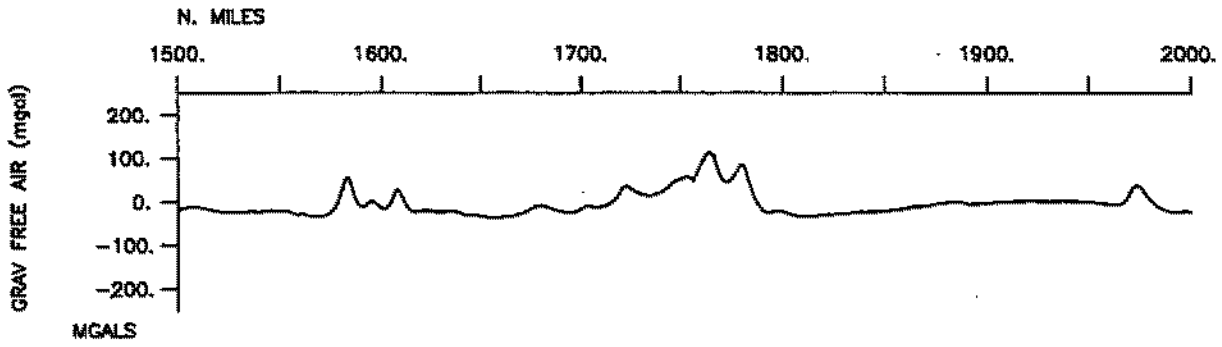
Sea Beam-1448 miles

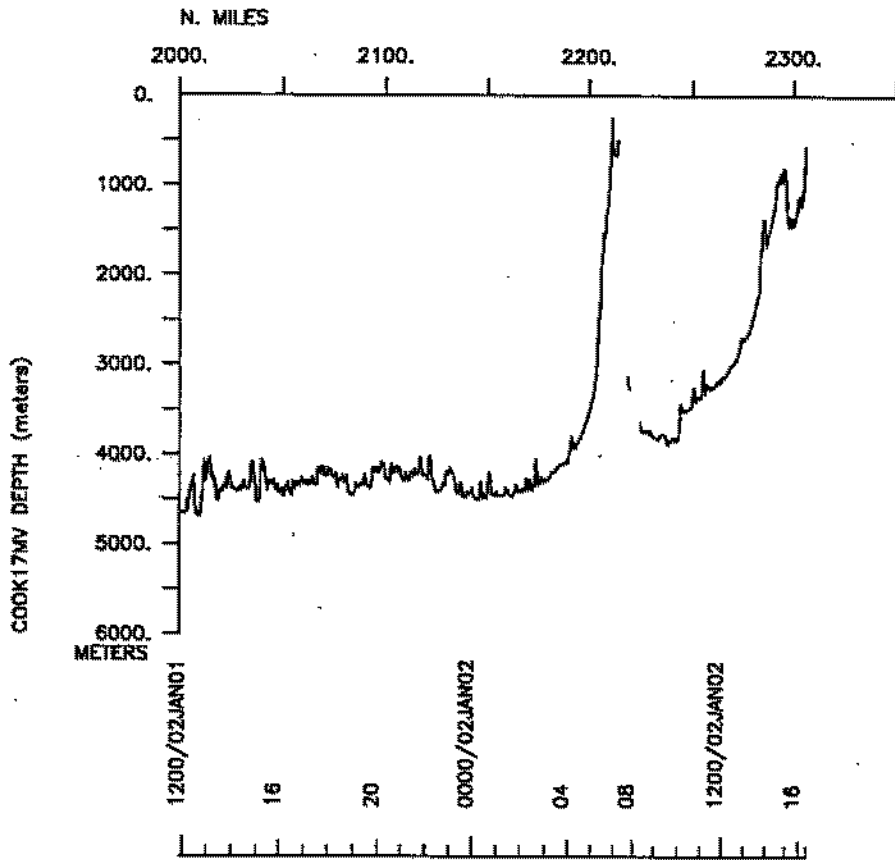
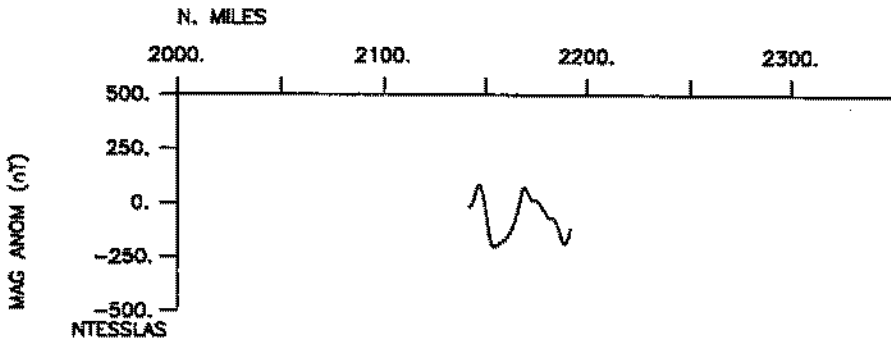
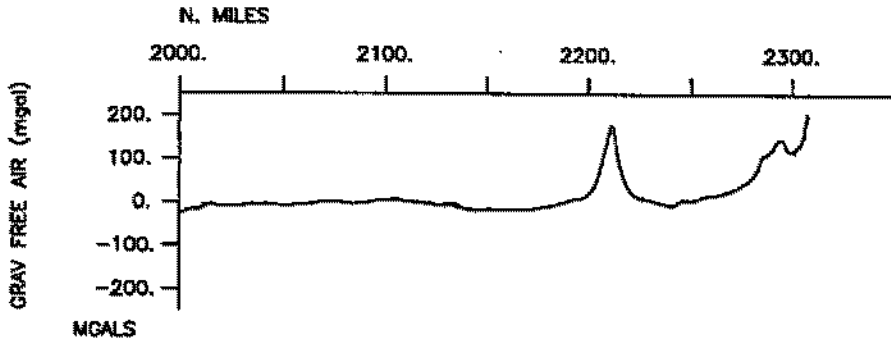
Gravity-1455 miles











S.I.O. Sample Index

COOK Expedition

Leg 17

(COOK17MV)

R/V Melville

(Issued April 2002)

PORTS:

Easter Island, Chile (25 December 2001)

to

Papeete, Tahiti (02 January 2002)

No Chief Scientist : Transit Leg

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. Shipboard Technical Support Group 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 Shipboard Technical Support Group.)

GDC Cruise ID# 295

**** Ports ***

1500 251201 0 LGPT B Hanga Roa, Easter Island 27-08.54S 109-26.38W g COOK17MV
 1210 020102 0 LGPT E Papeete, Tahiti 17-36.24S 148-59.59W g COOK17MV

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PERT STS	Wilson, R.	Resident Tech	Scripps Institution	COOK17MV
PECT STS	Chatwood, J.	Computer Tech	Scripps Institution	COOK17MV

**** 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 - Shipboard Technical Support Group ext.41899 ***
 **** Digital Data Curator - Geological Data Center, S.P. Miller, ext.41898 ***

**** MultiBeam Data (vertical beam and side scan) ***

1527	261201	0	MBSR	Seabeam r-01	GDC	25-55.29S	114-40.64W	g	COOK17MV
1710	020102	0	MBSR	Seabeam r-01	GDC	17-32.30S	149-34.34W	g	COOK17MV

**** Digital Magnetic Data ***

1516	261201	0	MGDD	B Digital Magnetics	GDC	25-55.79S	114-38.53W	g	COOK17MV
0411	020102	0	MGDD	E Digital Magnetics	GDC	17-56.57S	147-45.03W	g	COOK17MV

**** Digital Gravity ***

1500	251201	0	GVDD	B Digital Gravity	GDC	27-08.54S	109-26.38W	g	COOK17MV
1210	020102	0	GVDD	E Digital Gravity	GDC	17-36.24S	148-59.59W	g	COOK17MV

**** Integrated Meteorological Acquisition System ***

1500	251201	0	IMET	B weather measurements	GDC	27-08.54S	109-26.38W	g	COOK17MV
1210	020102	0	IMET	E weather measurements	GDC	17-36.24S	148-59.59W	g	COOK17MV

**** Acoustic Doppler Current Profiler ***

1500	251201	0	ADCP	B 300kHz current meas.	GDC	27-08.54S	109-26.38W	g	COOK17MV
1210	020102	0	ADCP	E 300kHz current meas.	GDC	17-36.24S	148-59.59W	g	COOK17MV

**** Expendable Bathythermographs ***

0047	271201	0	BTXP	MK21 # 1 Fast_Deep	GDC	25-30.18S	116-27.58W	g	COOK17MV
2125	291201	0	BTXP	MK21 # 3 Fast_Deep	GDC	21-50.94S	131-46.39W	g	COOK17MV
0230	010102	0	BTXP	MK21 # 4 Fast_Deep	GDC	19-11.25S	142-37.21W	g	COOK17MV

**** End Sample Index COOK17MV