

*Report and Index of
Underway Marine Geophysical Data*

Cook Expedition

Leg 6

(COOK06MV)

R/V Melville

(Issued May 2001)

Ports:

Apra, Guam (10 February 2001)

to

Apra, Guam (28 February 2001)

Chief Scientist:

Patricia Fryer, University of Hawaii
pfrver@soest.hawaii.edu

Computer Tech - Marc Silver
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.

**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

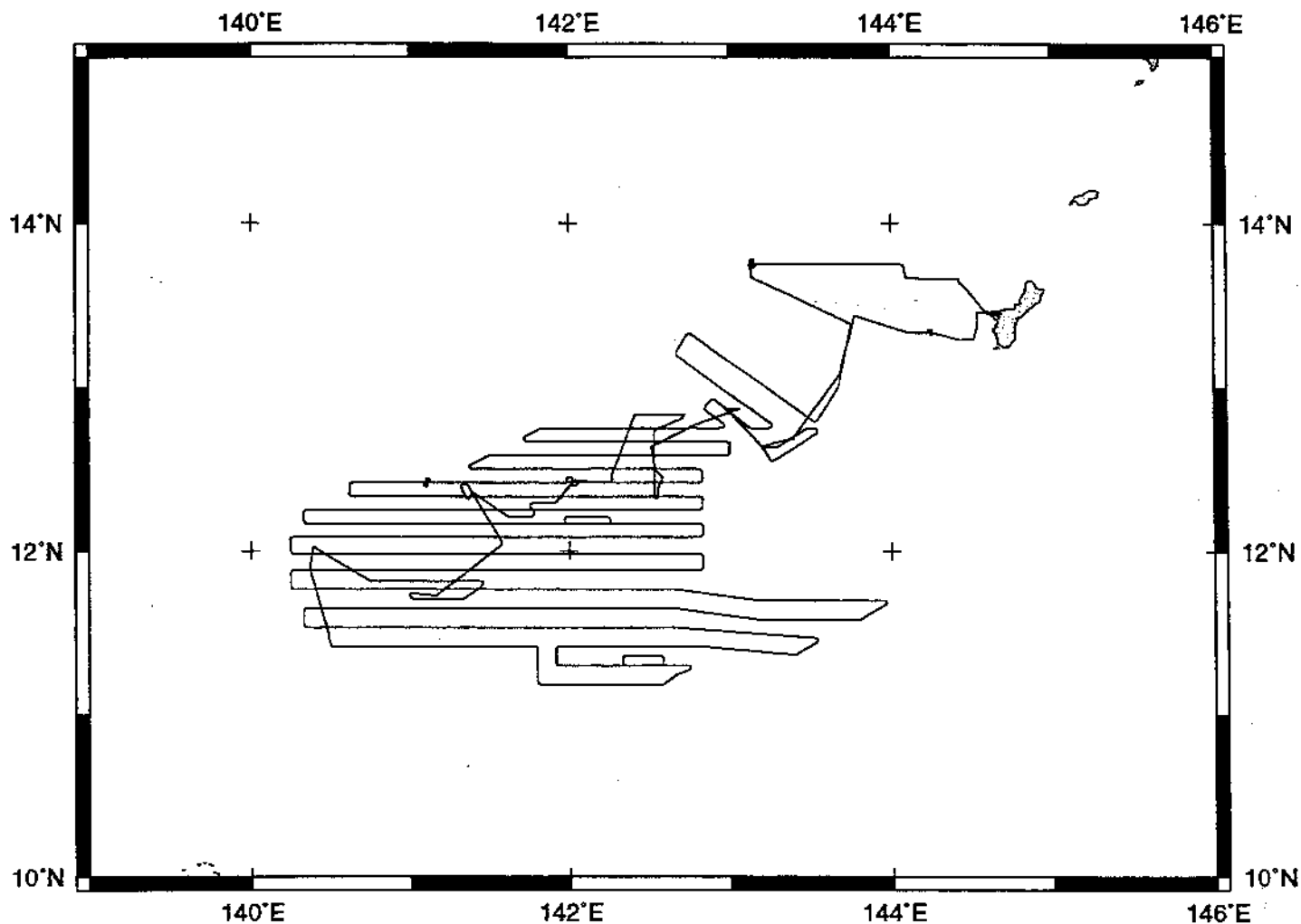
Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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 6 (COOK06MV)

CHIEF SCIENTIST: Patricia Fryer, Univ. of Hawaii

PORTS: Apra - Apra, Guam

DATES: 10 February - 2 March 2001

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-3374 miles

Magnetics-2789 miles

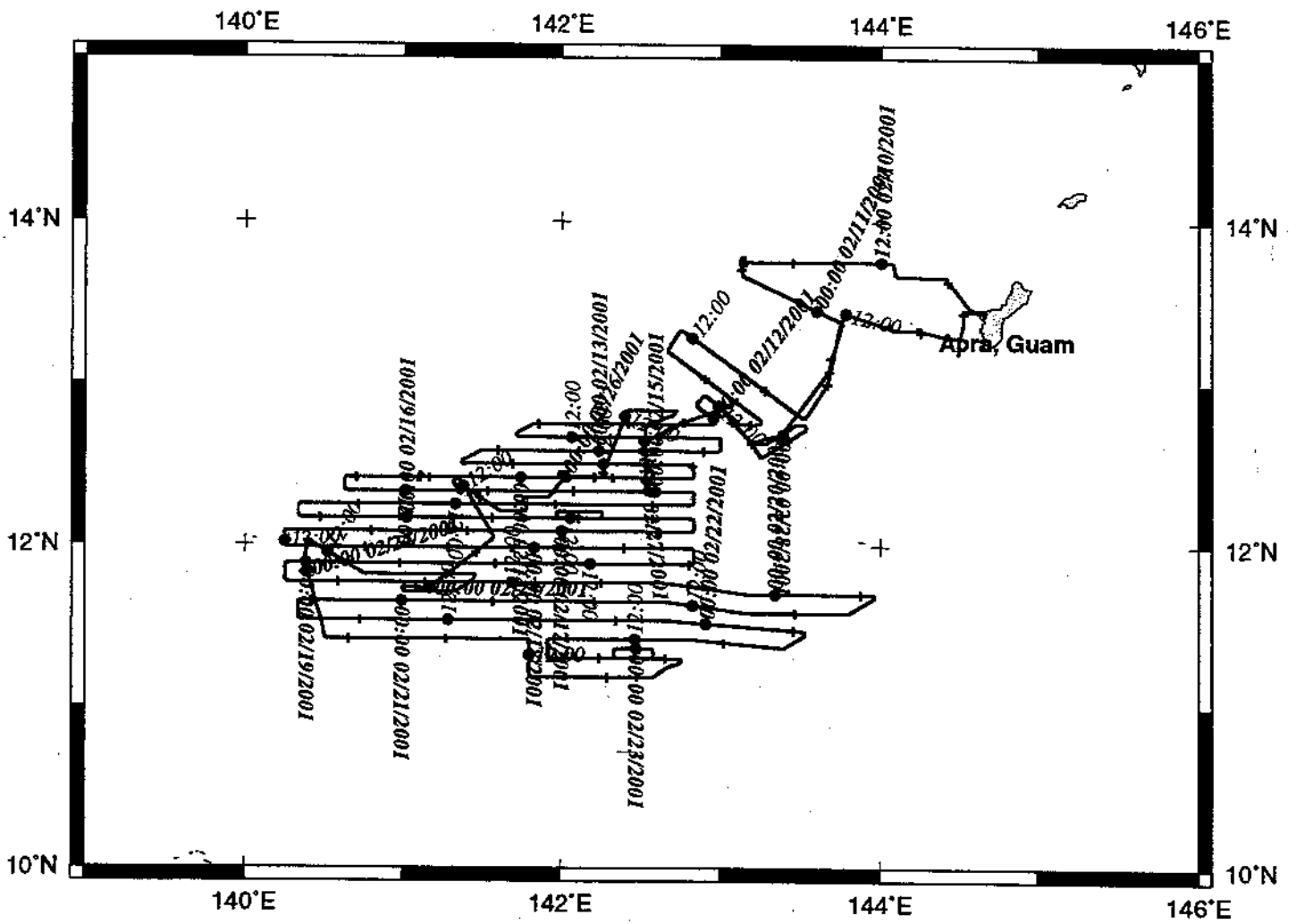
Bathymetry-770 miles

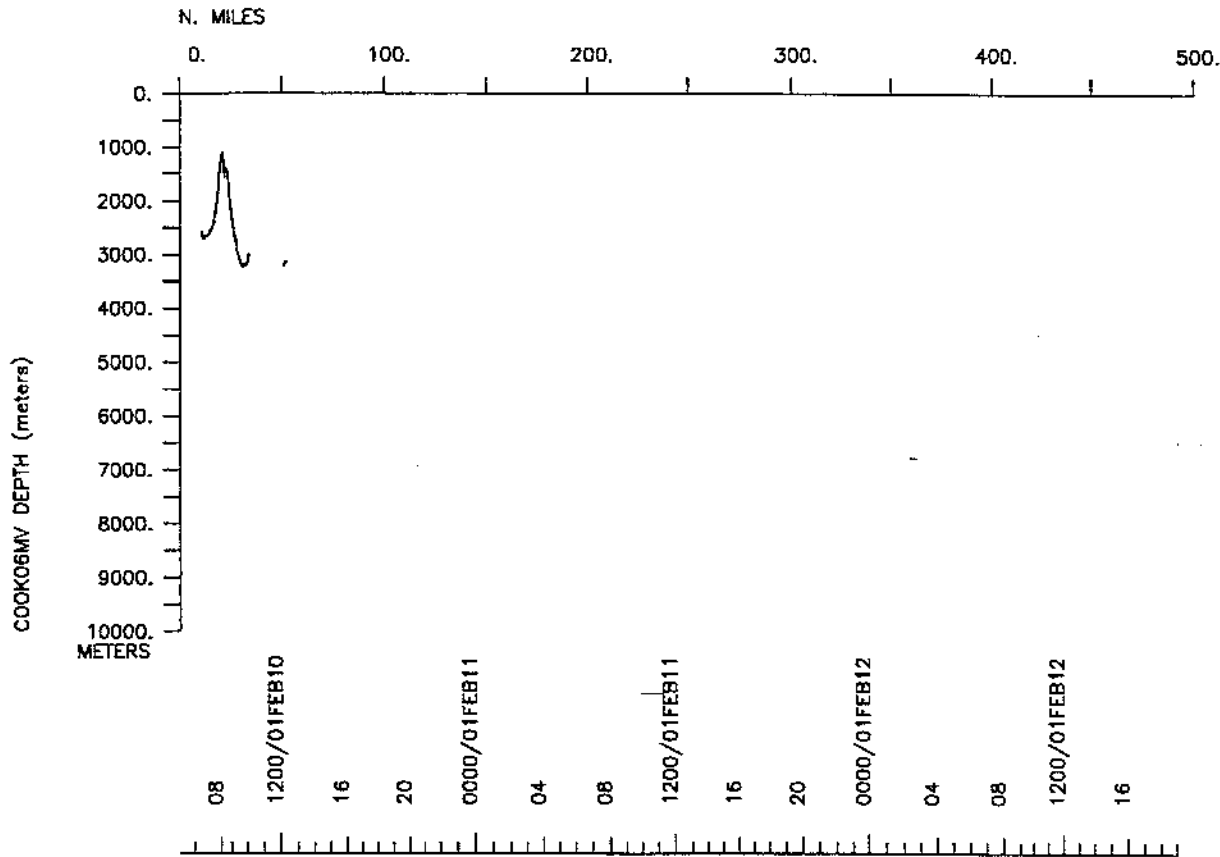
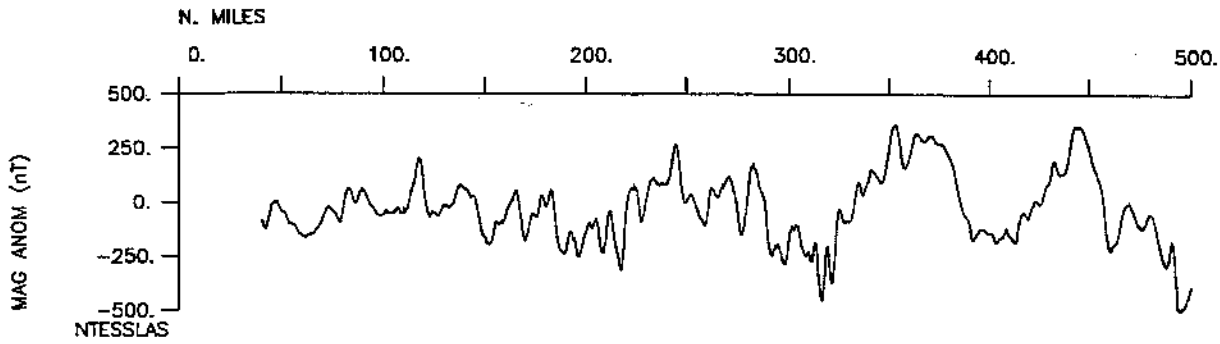
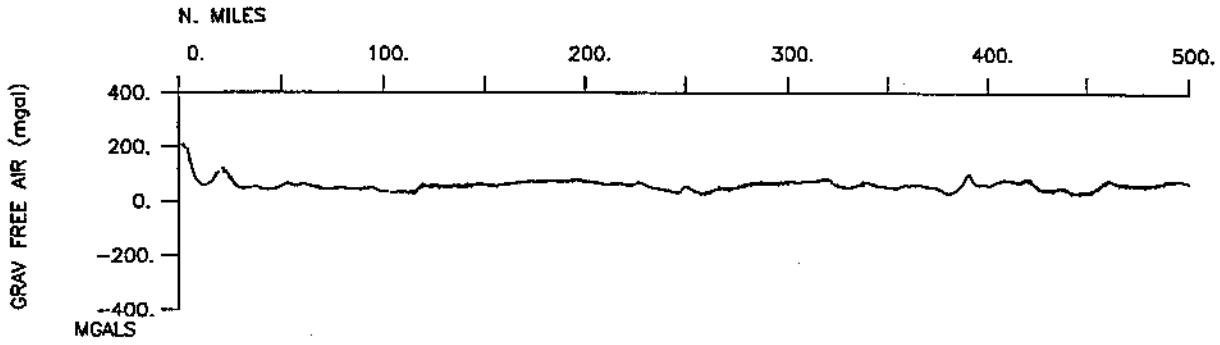
Seismic Reflection-none collected

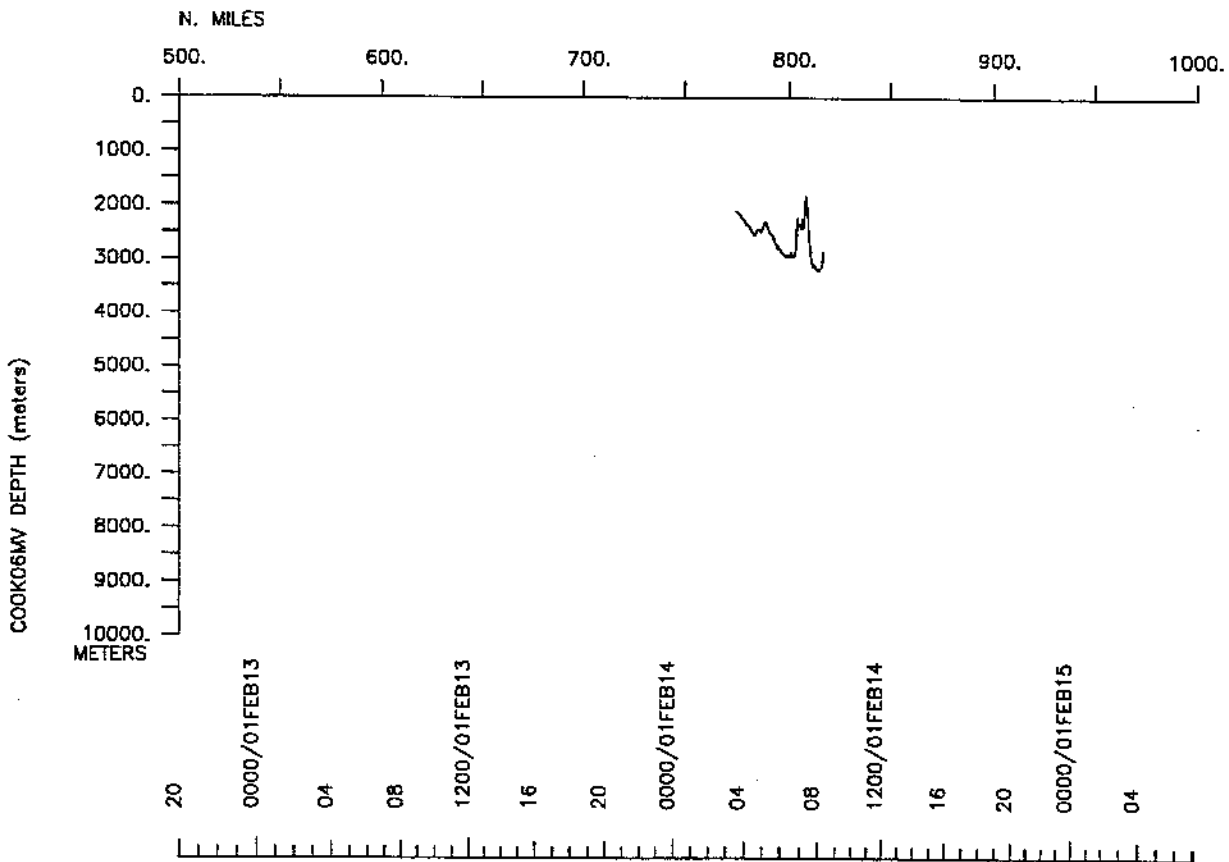
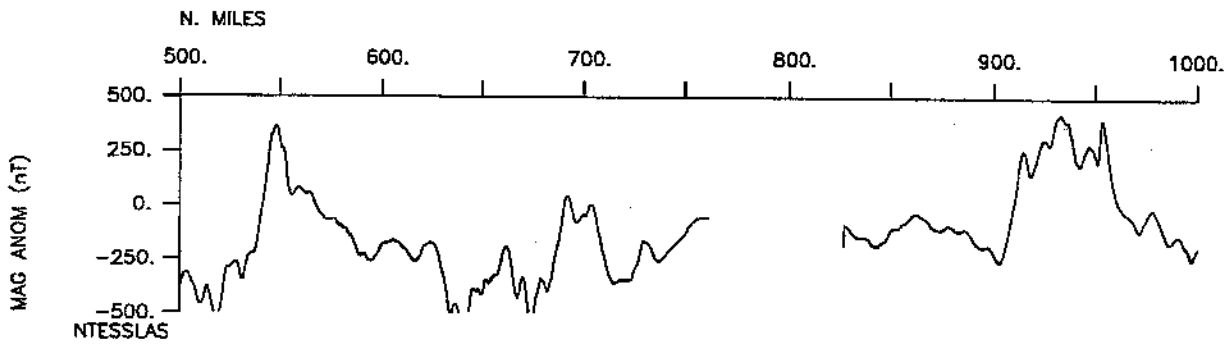
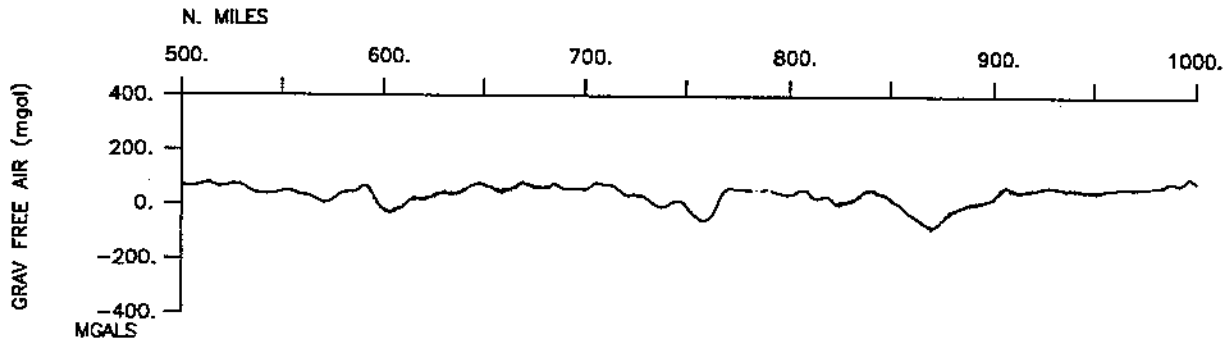
Sea Beam-770 miles

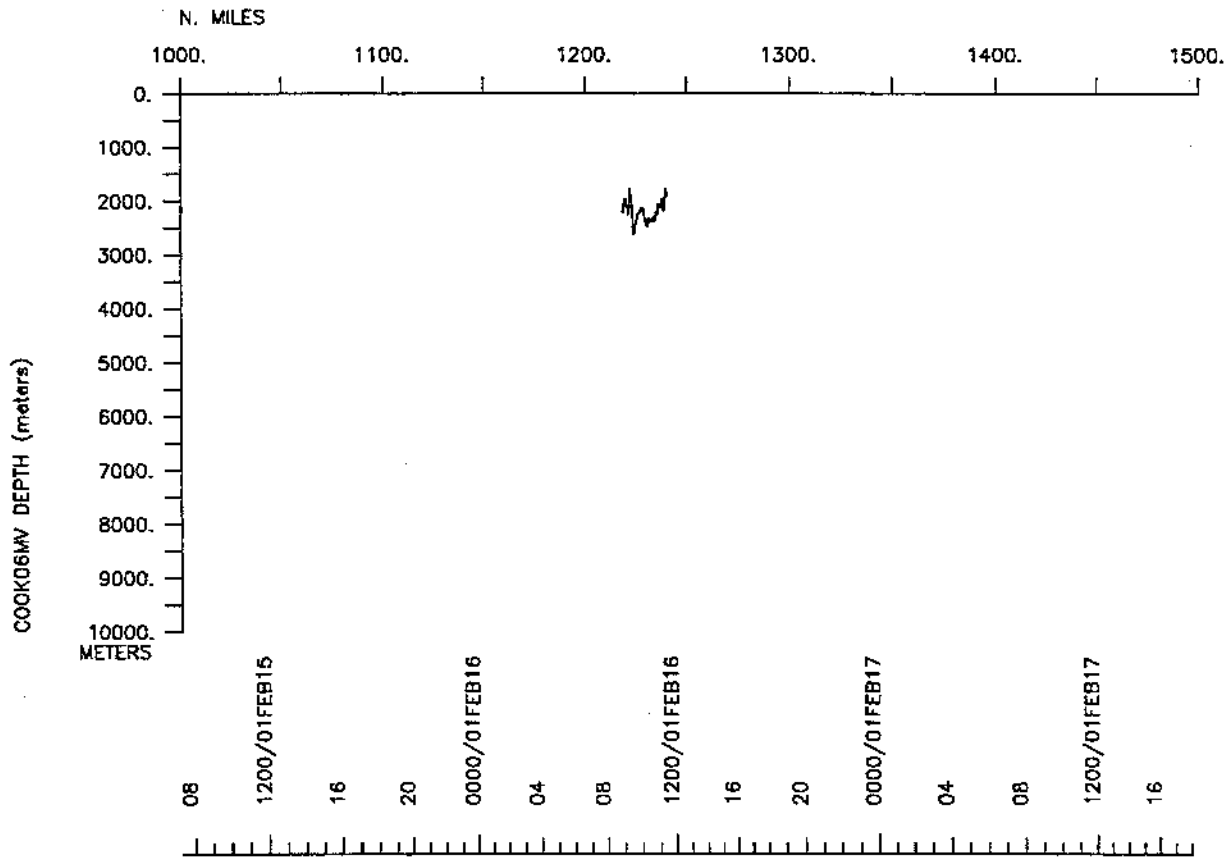
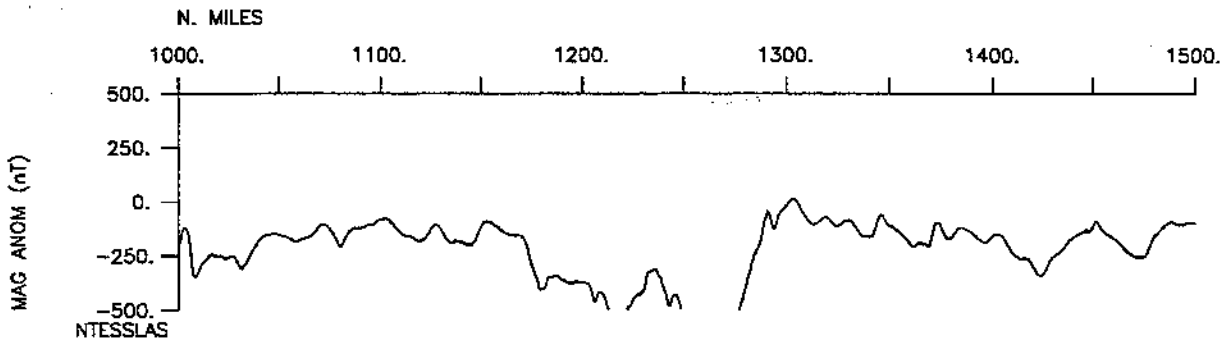
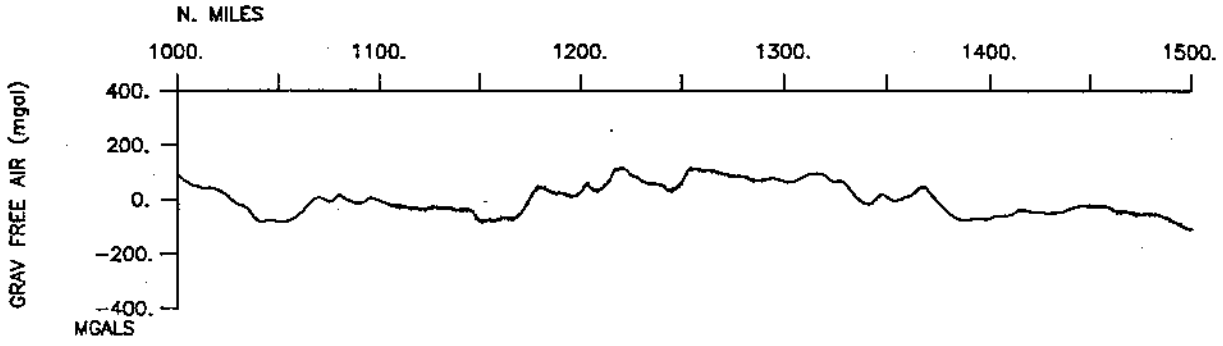
Gravity-3350 miles

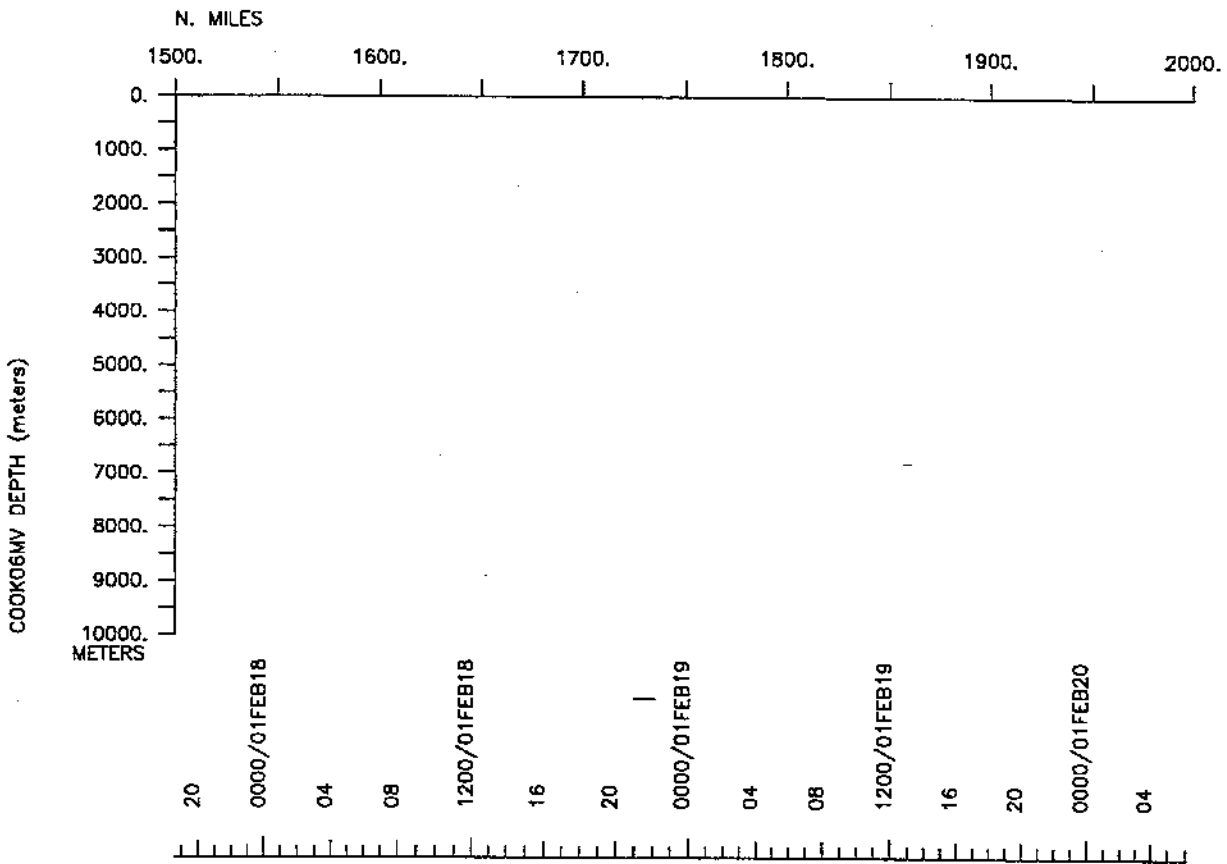
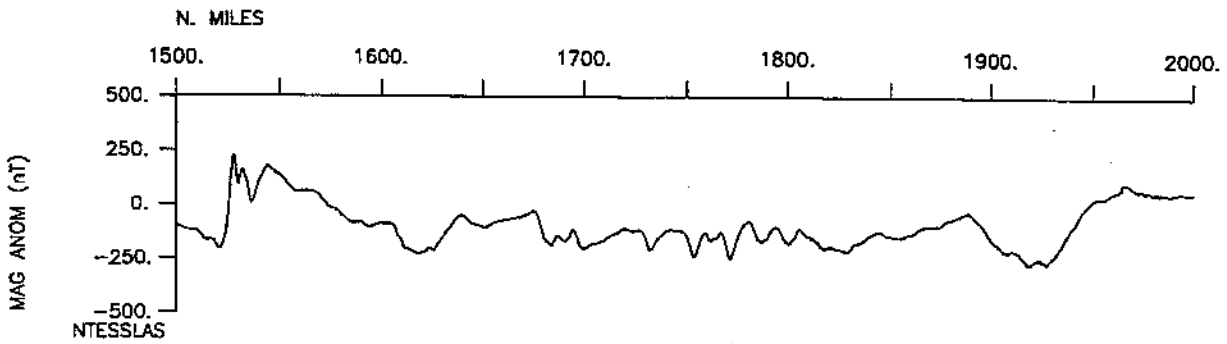
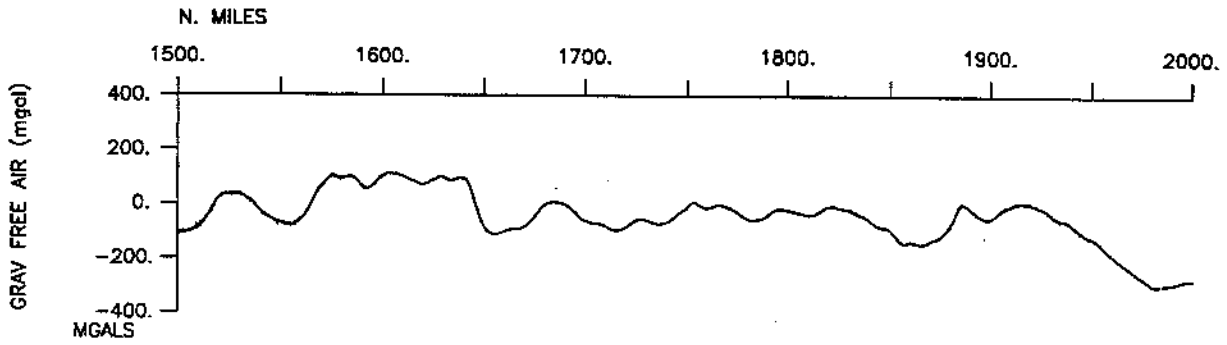
COOK leg 6 Track

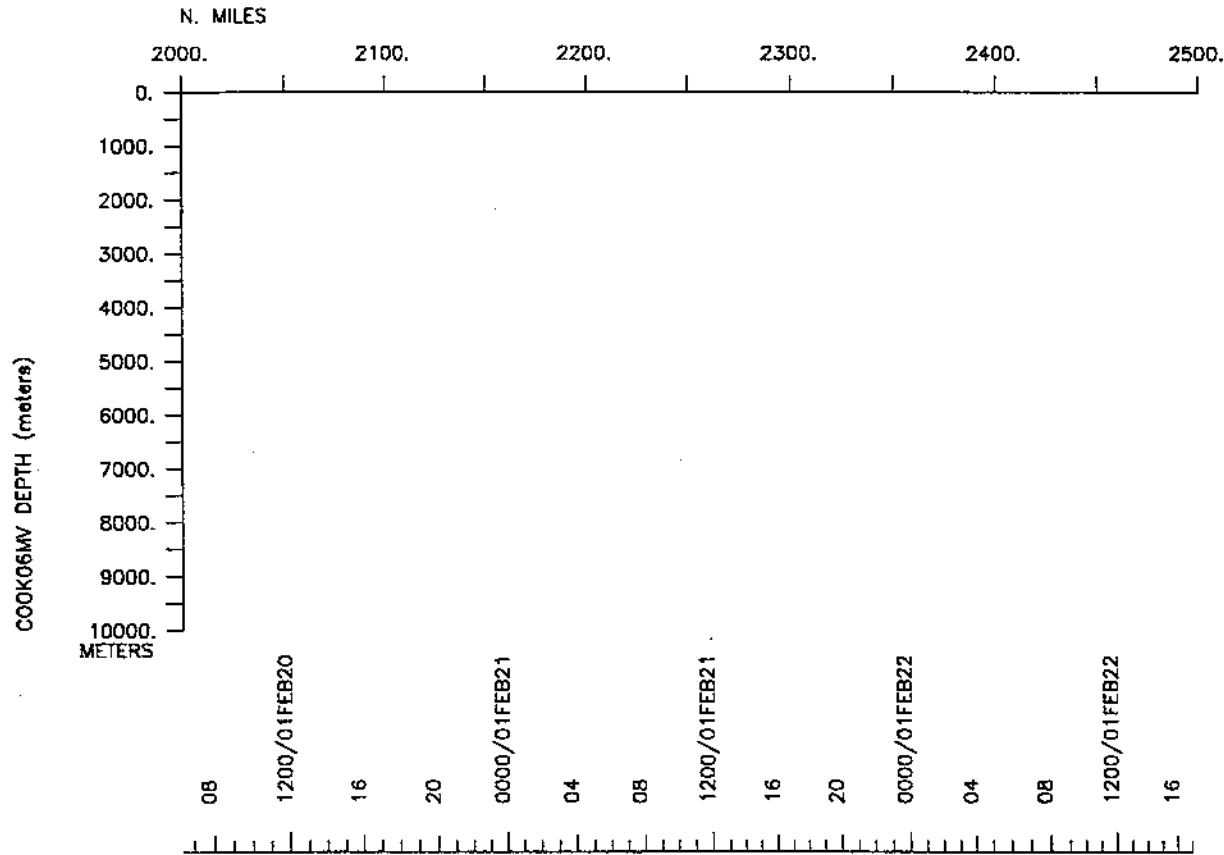
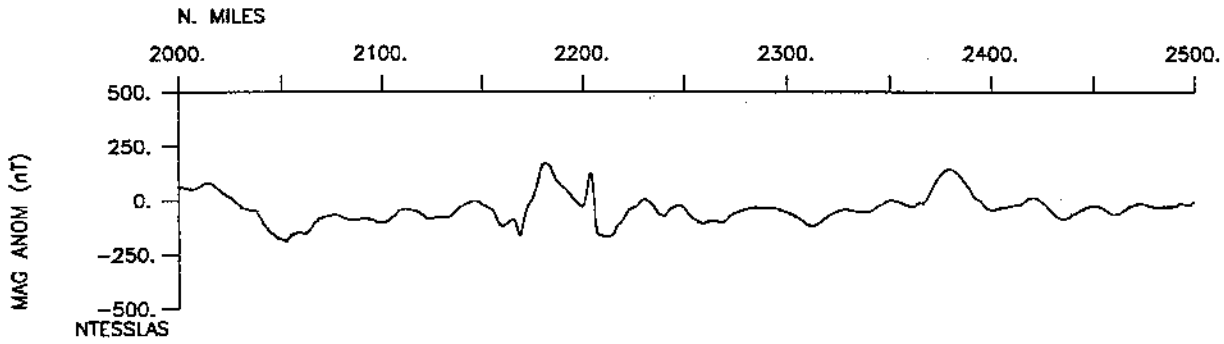
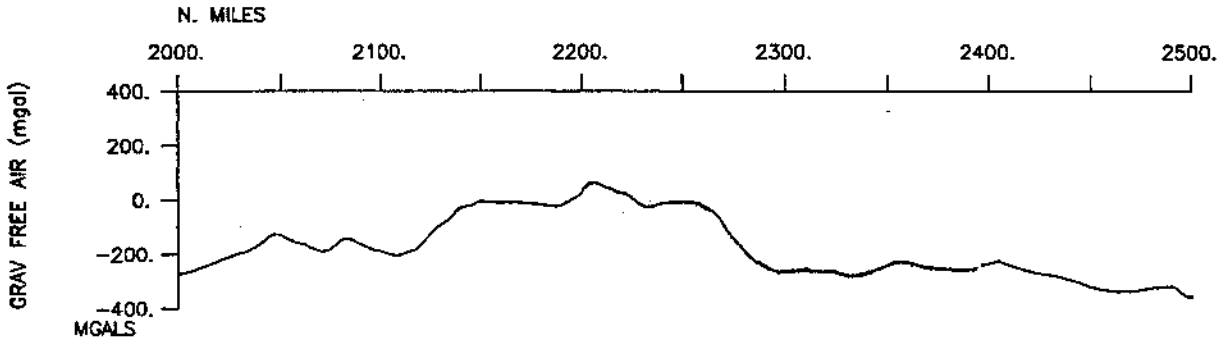


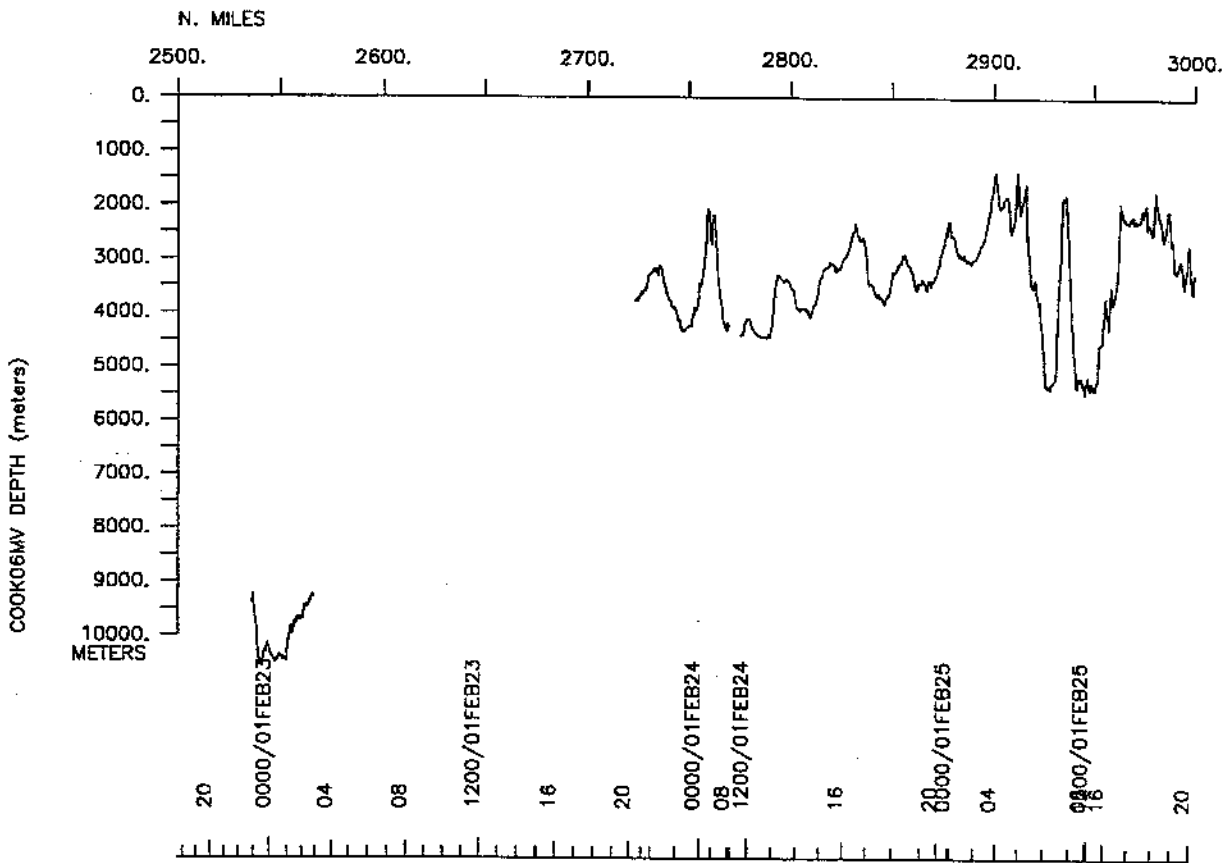
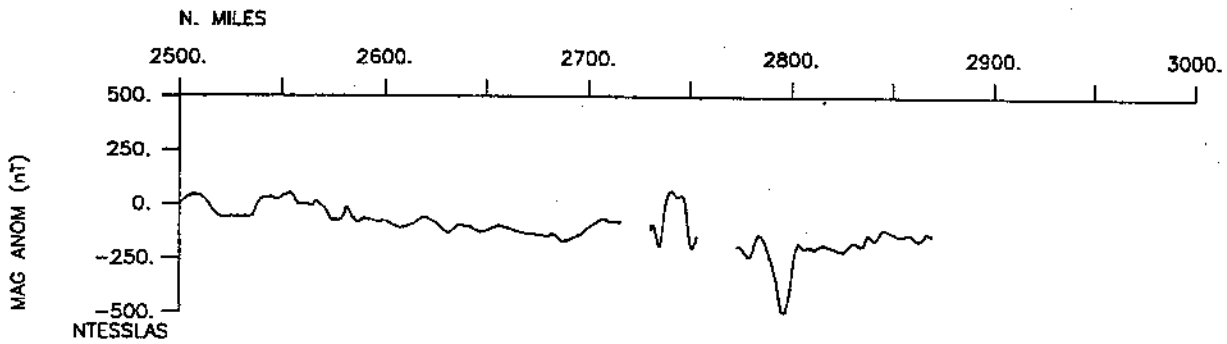
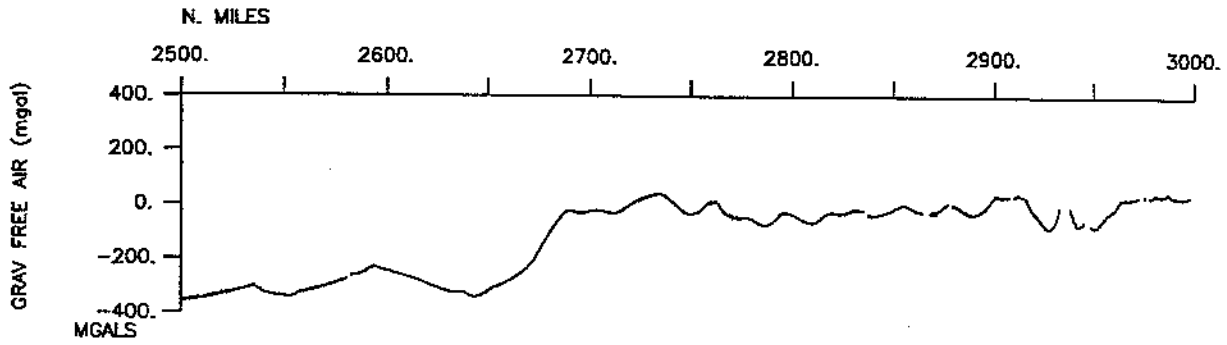


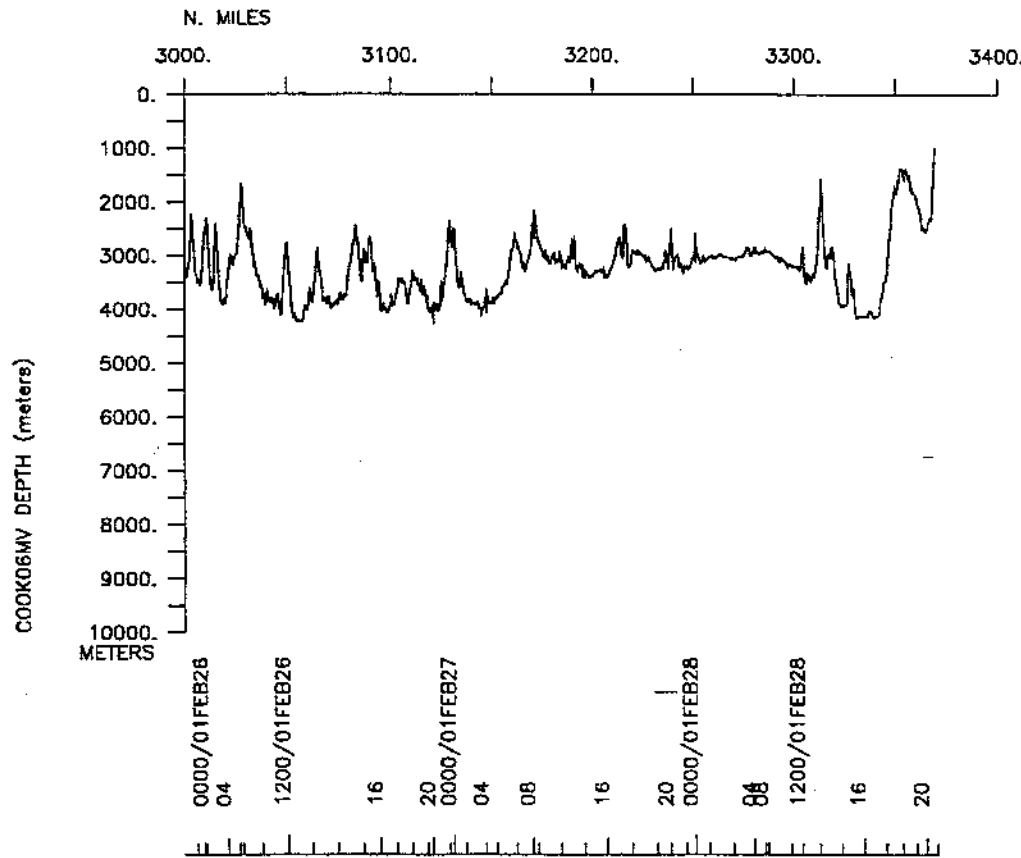
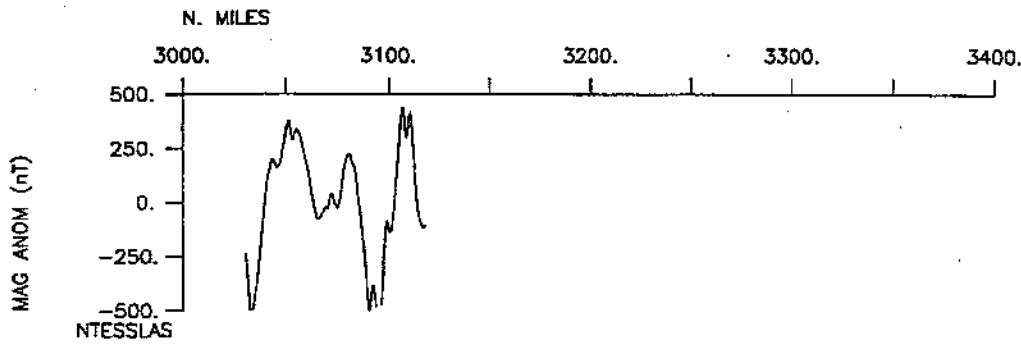
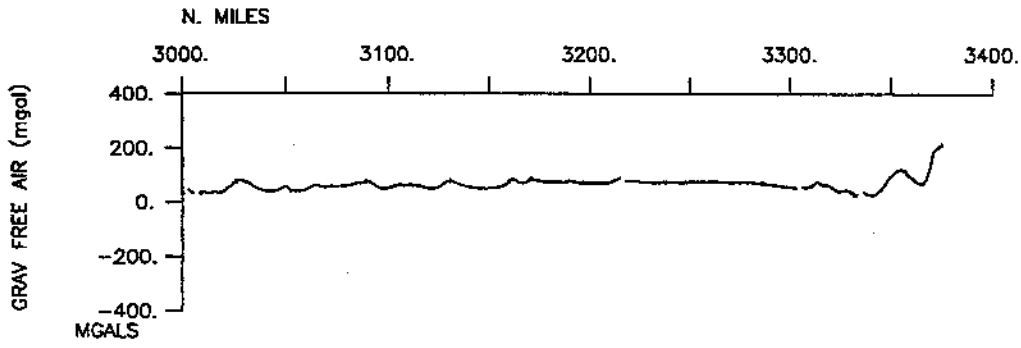












S.I.O. Sample Index

COOK Expedition

Leg 6

(COOK06MV)

R/V Melville

(Issued May 2001)

PORTS:

Apra, Guam (10 February 2001)
to
Apra, Guam (28 February 2001)

Chief Scientist:

Patricia Fryer, University of Hawaii

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 ***

0600	100201	LGPT B Apra, Guam	13-27.00S	144-37.00E	f	COOK06MV
2200	280201	LGPT E Apra, Guam	13-27.00S	144-37.00E	f	COOK06MV

#*** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS UHI	Fryer, P.	Chief Scientist	Univ. of Hawaii	COOK06MV
PESP UHI	Martinez, F.	Scientist	Univ. of Hawaii	COOK06MV
PEST UHI	Becker, N.	Grad student	Univ. of Hawaii	COOK06MV
PEST UHI	Gharib, J.	Grad student	Univ. of Hawaii	COOK06MV
PESP UHI	Fryer, K.	Volunteer	Univ. of Hawaii	COOK06MV
PESP SIO	Hawkins, J.	Scientist	Scripps Institution	COOK06MV
PESP UHI	Craven, J.	Volunteer	Univ. of Hawaii	COOK06MV
PESP UHI	Applegate, B.	Technician	Univ. of Hawaii	COOK06MV
PESP UHI	Tottori, S.	Technician	Univ. of Hawaii	COOK06MV
PESP UHI	Morris, A.	Technician	Univ. of Hawaii	COOK06MV
PESP UHI	Chang, R.	Grad student	Univ. of Hawaii	COOK06MV
PESP JPN	Ishihara, T.	Technician	Geol. Survey Japan	COOK06MV
PECT STS	Silver, M.	Computer tech	Scripps Institution	COOK06MV
PERT STS	Wilson, B.	Resident tech	Scripps Institution	COOK06MV

#*** 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 - Shipboard Technical Support Group x41899 ***

#*** Log Books ***

0600	100201	0	LBUW	B	Underway watch log	GDC	13-25.16N	144-40.00E	g	COOK06MV
2030	280201	0	LBUW	E	Underway watch log	GDC	13-27.50N	144-32.89E	g	COOK06MV

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

0705	100201	0	MBSR	B	vbeam&sidescan r-01	GDC	13-28.90N	144-33.85E	g	COOK06MV
2030	280201	0	MBSR	E	vbeam&sidescan r-01	GDC	13-27.50N	144-32.89E	g	COOK06MV

#*** Towed Sidescan Sonar ***

1010	100201	0	DPSS	B	HMR1seafmr mapping	UHI	13-39.80N	144-12.13E	g	COOK06MV
2130	230201	0	DPSS	E	HMR1seafmr mapping	UHI	11-25.00N	140-30.95E	g	COOK06MV

#*** Echo Sounder Records ***

2143	110201	0	DPR3	B	Knudsen 3.5khz r-01	GDC	12-52.15N	142-58.55E	g	COOK06MV
1200	280201	0	DPR3	E	Knudsen 3.5khz r-01	GDC	13-25.99N	143-46.80E	g	COOK06MV

#*** Digital Gravity ***

0600	100201	0	GVDR	B	Gravity data	GDC	13-25.16N	144-40.00E	g	COOK06MV
2350	010301	0	GVDR	E	Gravity data	GDC	13-25.16N	144-40.00E	g	COOK06MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#	-----									
*** Digital Magnetics (Earth Total Field) ***										
1050	100201	0	MGDR	B Digital mag data	GDC	13-39.93N	144-06.23E	g		COOK06MV
1855	260201	0	MGDR	E Digital mag data	GDC	12-27.67N	142-34.23E	g		COOK06MV
*** Integrated Meteorological Data Aquisition ***										
0600	100201	0	IMET	B Weather measurements	GDC	13-25.16N	144-40.00E	g		COOK06MV
2200	280201	0	IMET	E Weather measurements	GDC	13-25.16N	144-40.00E	g		COOK06MV
*** Acoustic Doppler Current Profiler ***										
0600	100201	0	ADCP	B 300khz current meas.	GDC	13-25.16N	144-40.00E	g		COOK06MV
2200	280201	0	ADCP	E 300khz current meas.	GDC	13-25.16N	144-40.00E	g		COOK06MV
*** Rock Dredges ***										
0244	240201	0	DRRO	B Rock dredge 1	2693m UHI	11-53.50N	140-22.45E	g		COOK06MV
0340	240201	0	DRRO	E Rock dredge 1	2400m UHI	11-53.61N	140-22.37E	g		COOK06MV
0741	240201	0	DRRO	B Rock dredge 2	4263m UHI	12-01.28N	140-23.75E	g		COOK06MV
0916	240201	0	DRRO	E Rock dredge 2	3950m UHI	12-01.47N	140-23.59E	g		COOK06MV
2223	240201	0	DRRO	B Rock dredge 3	2518m UHI	11-43.59N	141-10.30E	g		COOK06MV
0029	250201	0	DRRO	E Rock dredge 3	2339m UHI	11-43.89N	141-09.93E	g		COOK06MV
1009	250201	0	DRRO	B Rock dredge 4	5480m UHI	12-21.30N	141-23.20E	g		COOK06MV
1302	250201	0	DRRO	E Rock dredge 4	4640m UHI	12-21.80N	141-22.80E	g		COOK06MV
2316	250201	0	DRRO	B Rock dredge 5	2579m UHI	12-25.60N	142-01.70E	g		COOK06MV
0115	260201	0	DRRO	E Rock dredge 5	2352m UHI	12-25.79N	142-01.31E	g		COOK06MV
0606	260201	0	DRRO	B Rock dredge 6	2049m UHI	12-26.37N	142-16.12E	g		COOK06MV
0801	260201	0	DRRO	E Rock dredge 6	1709m UHI	12-26.66N	142-15.95E	g		COOK06MV
0929	270201	0	DRRO	B Rock dredge 10	2400m UHI	12-51.40N	142-59.25E	g		COOK06MV
1116	270201	0	DRRO	E Rock dredge 10	2293m UHI	12-51.67N	142-59.05E	g		COOK06MV
*** Glass/Wax Cores ***										
2052	260201	0	CORG	core sta. 7	4024m UHI	12-29.40N	142-32.50E	g		COOK06MV
0010	270201	0	CORG	core sta. 8	2623m UHI	12-38.50N	142-31.50E	g		COOK06MV
0408	270201	0	CORG	core sta. 9	3829m UHI	12-45.50N	142-46.00E	g		COOK06MV
2105	270201	0	CORG	core sta. 11	2827m UHI	12-38.20N	143-11.45E	g		COOK06MV
0024	280201	0	CORG	core sta. 12	2884m UHI	12-41.10N	143-23.10E	g		COOK06MV
0500	280201	0	CORG	core sta. 13	2919m UHI	13-04.70N	143-40.50E	g		COOK06MV
0730	280201	0	CORG	core sta. 14	2880m UHI	13-09.50N	143-41.50E	g		COOK06MV
1136	280201	0	CORG	core sta. 15	2970m UHI	13-26.00N	143-46.80E	g		COOK06MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	---	---	---	-----	---	-----	-----	-----	---	-----
*** Expendable Bathythermographs ***										
0350	140201	0	BTXP	XBT tf_00458	GDC	12-25.02N	141-11.27E	g		COOK06MV
1002	160201	0	BTXP	XBT tf_00459	GDC	12-12.50N	142-08.57E	g		COOK06MV
2318	220201	0	BTXP	XBT tf_00460	GDC	11-21.34N	142-34.54E	g		COOK06MV
2349	220201	0	BTXP	XBT tf_00461	GDC	11-21.50N	142-30.15E	g		COOK06MV
1053	240201	0	BTXP	XBT tf_00462	GDC	12-01.48N	140-23.63E	g		COOK06MV
0943	260201	0	BTXP	XBT tf_00464	GDC	12-26.68N	142-15.91E	g		COOK06MV
0646	270201	0	BTXP	XBT tf_00467	GDC	12-50.12N	142-58.46E	g		COOK06MV
****				End Sample Index						COOK06MV

