

*Report and Index of
Underway Marine Geophysical Data*

Vancouver Expedition

Leg 22

(VANC22MV)

R/V Melville

(Issued Aug 2004)

Ports:

Port Moresby, Papua New Guinea (18-Feb-04)
to
Port Moresby, Papua New Guinea (29-Feb-04)

Chief Scientist: Neal Driscoll
Scripps Institution of Oceanography
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Computer Tech - Steve Foley
Resident Tech - Geoff Ravenhill

Post-Cruise processing and report preparation by the
Shipboard Technical Support Group,
Scripps Institution of Oceanography
La Jolla, CA 92093-0214

Note: *This is an index of underway geophysical data edited and processed after the completion of the 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 Shipboard Technical Support, Scripps Institution of Oceanography, La Jolla, California 92093-0223*

STS Cruise ID#299

Report and Index of Navigation and Underway Geophysical Data

Contents:

Index Chart - give track of cruise leg, dates, ports.

Track Charts - annotated with dates and hour ticks.

Profiles - depth, magnetic and gravity free air anomaly vs. distance.

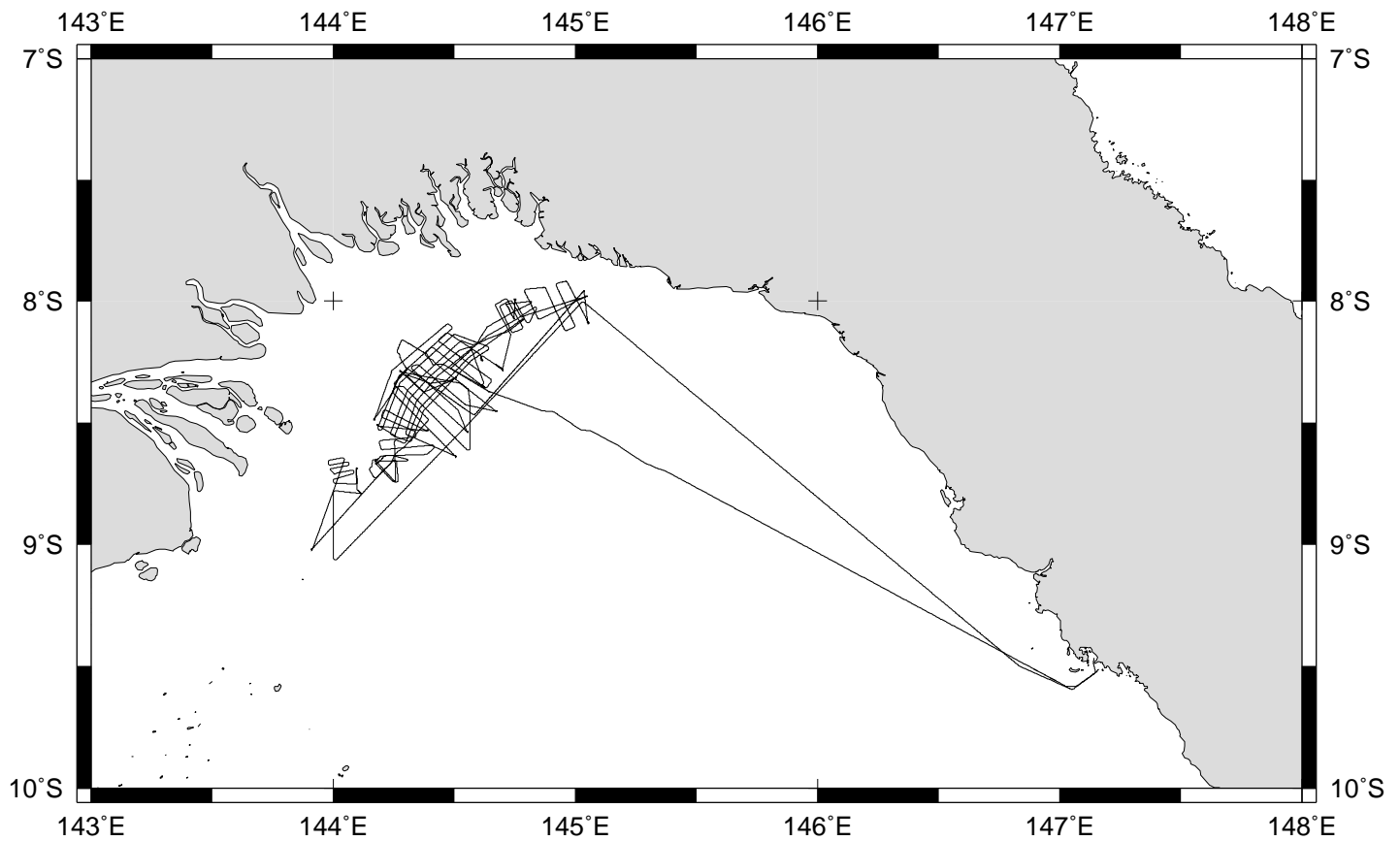
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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 05/2002



VANCOUVER EXPEDITION LEG 22 (VANC22MV)

CHIEF SCIENTIST: Neal Driscoll, Scripps Institution

PORTS: Port Moresby - Port Moresby, Papua New Guinea

DATES: 18 - 29 February 2004

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-1640 miles

Magnetics-none collected

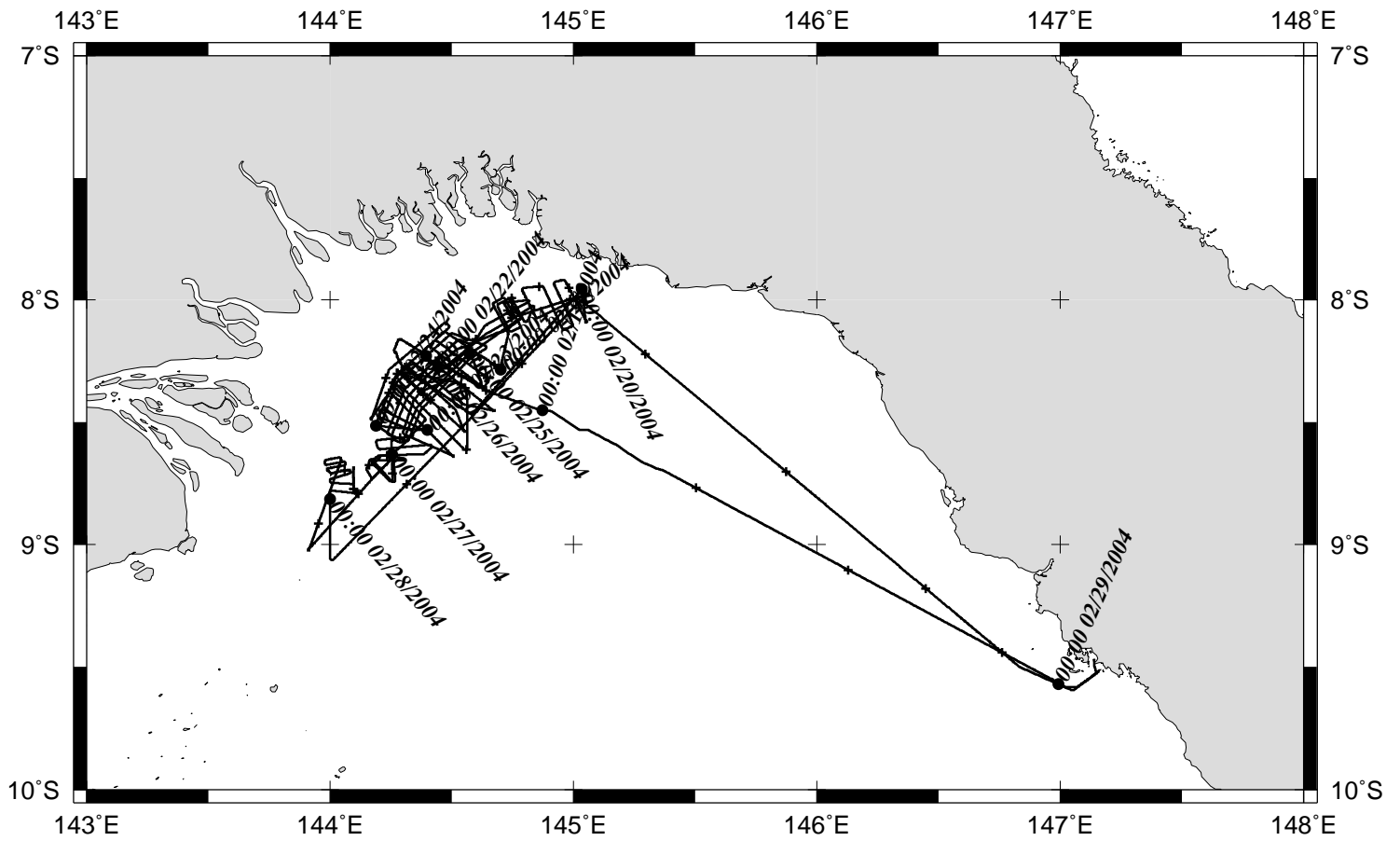
Bathymetry-285 miles

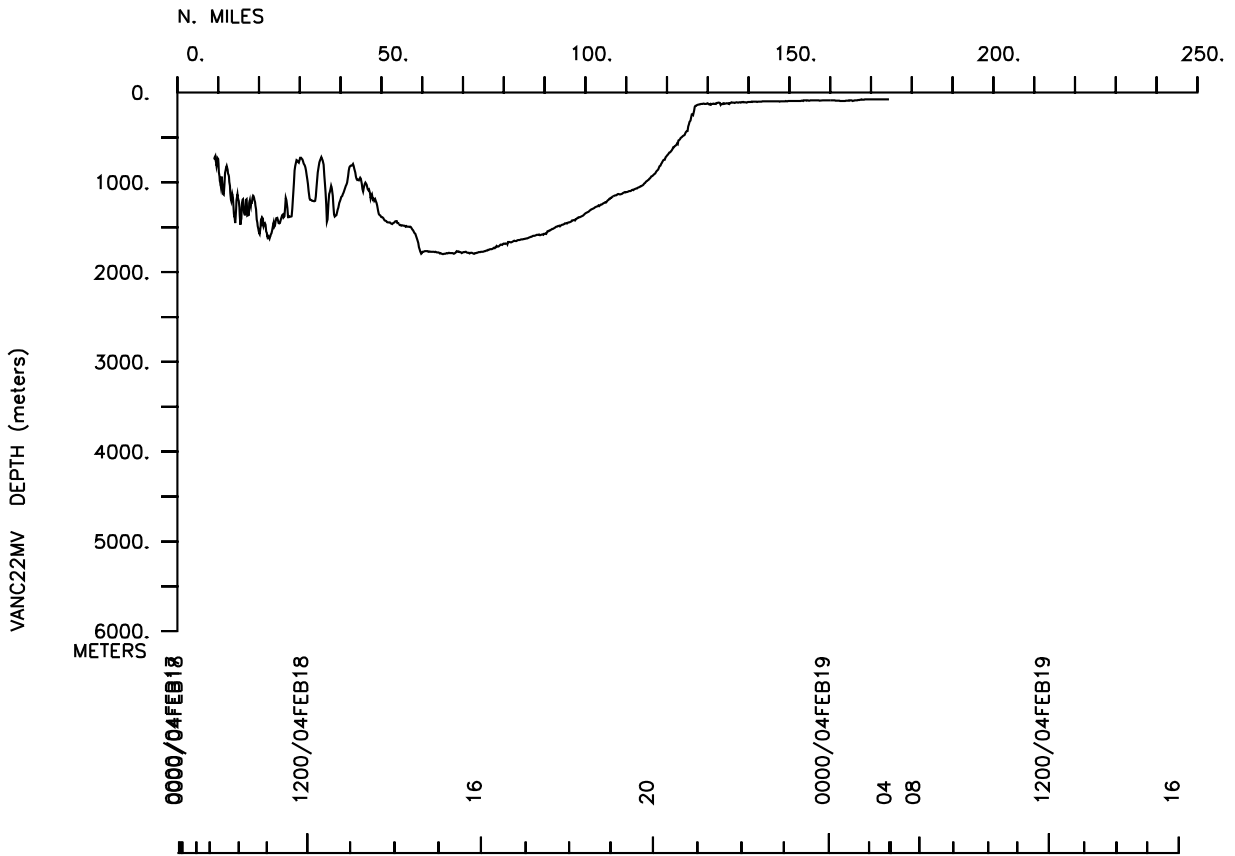
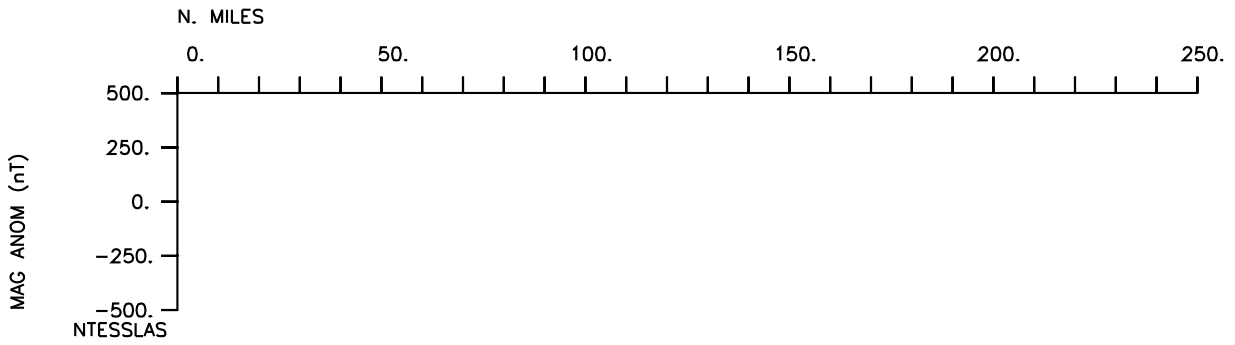
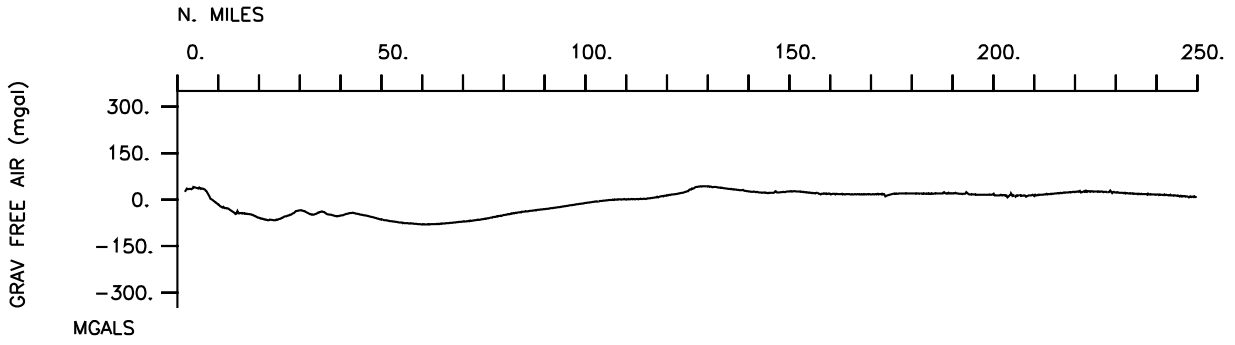
Seismic Reflection-none collected

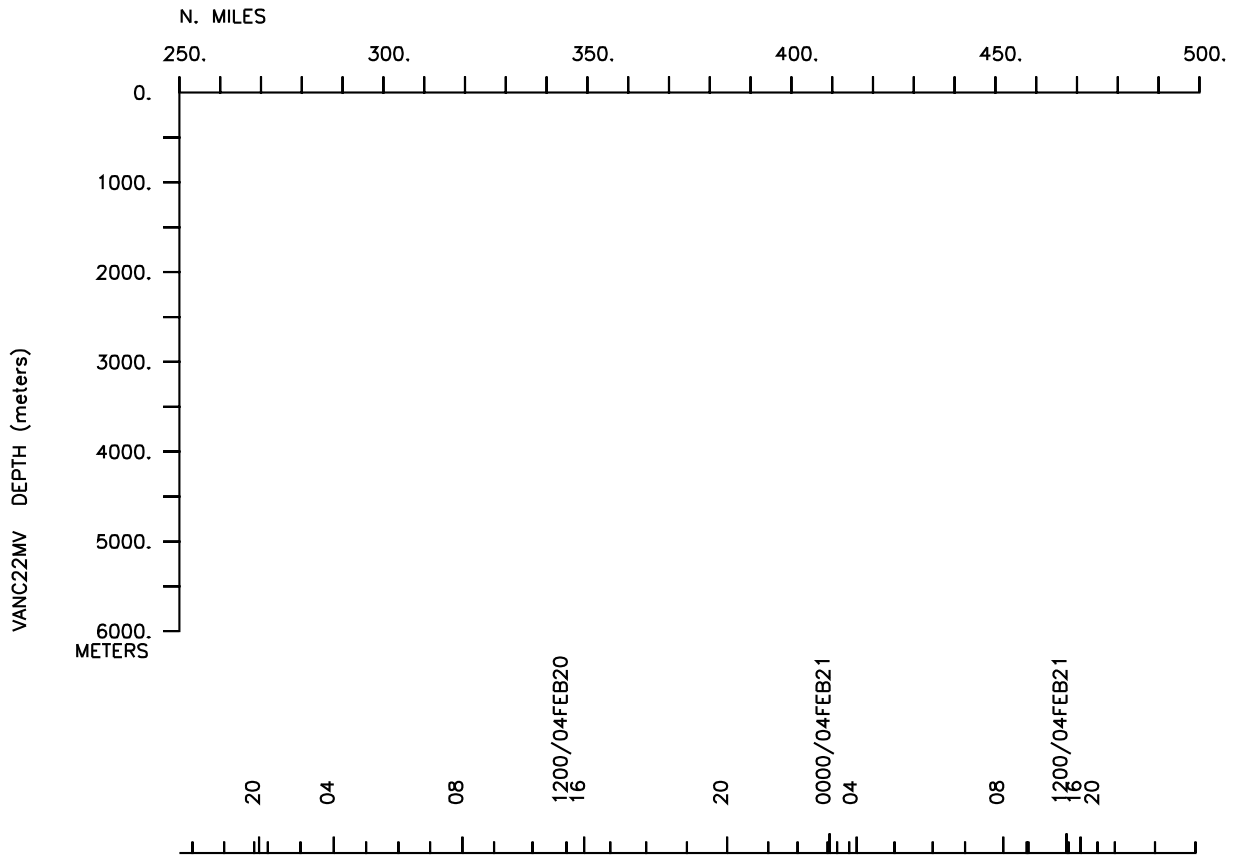
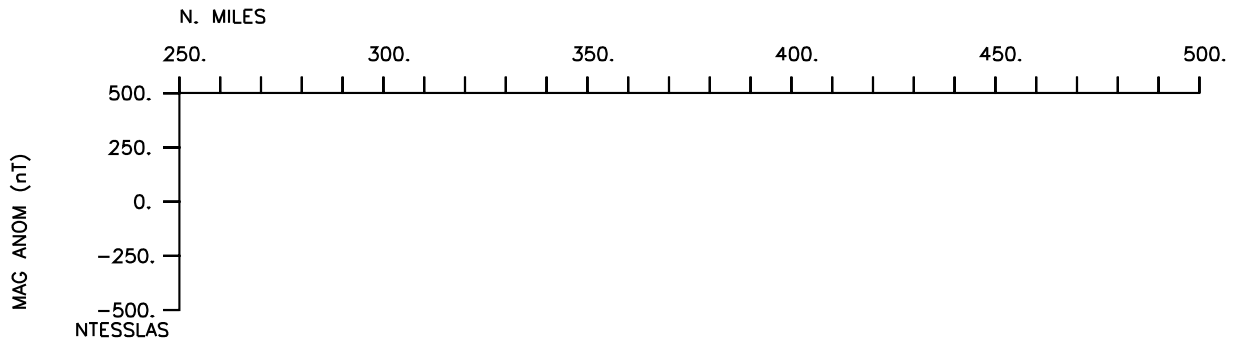
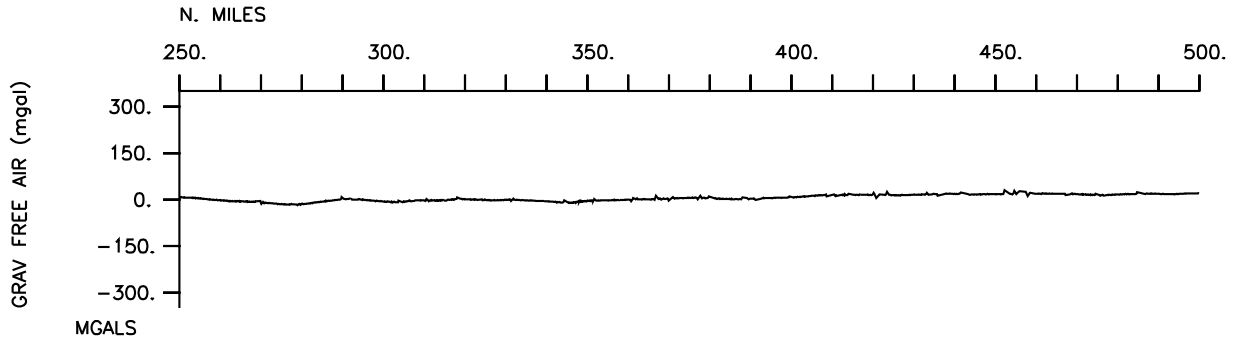
Multibeam-285 miles

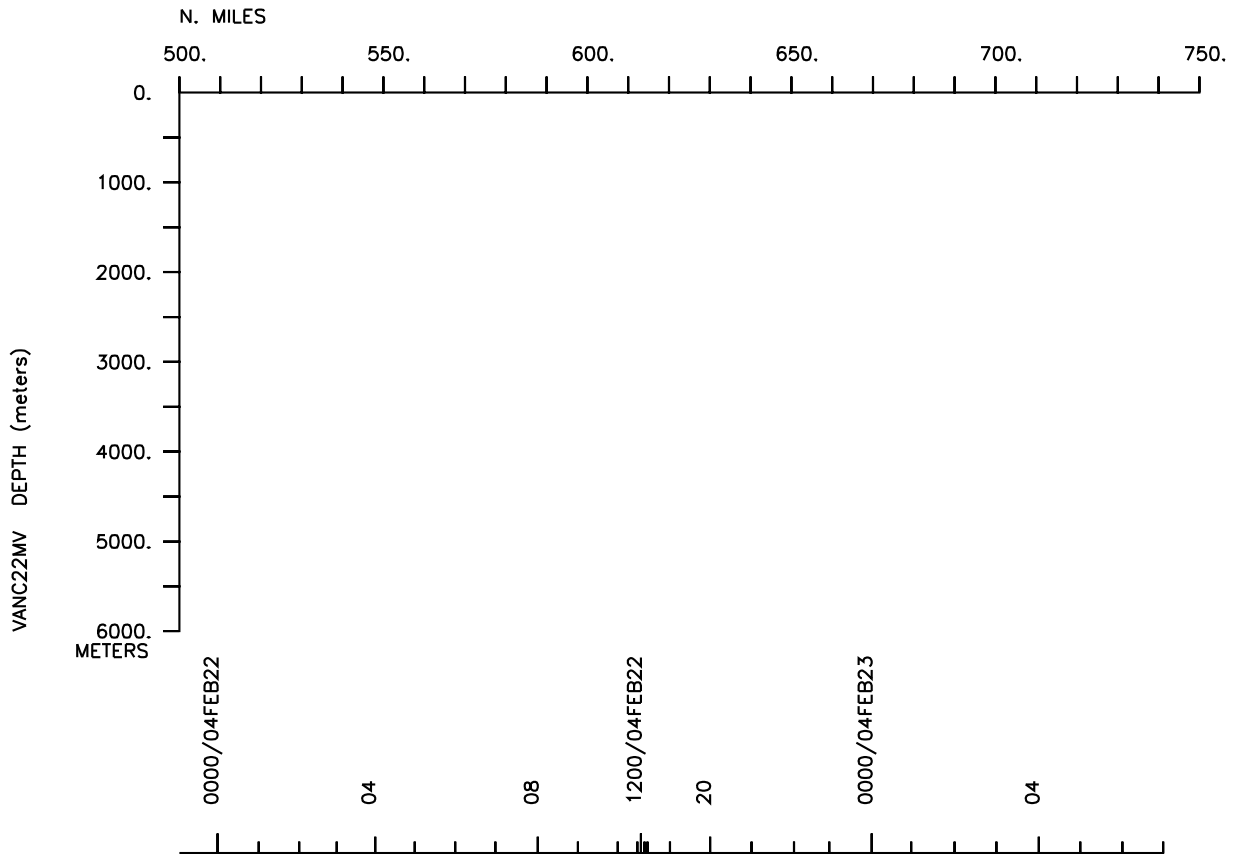
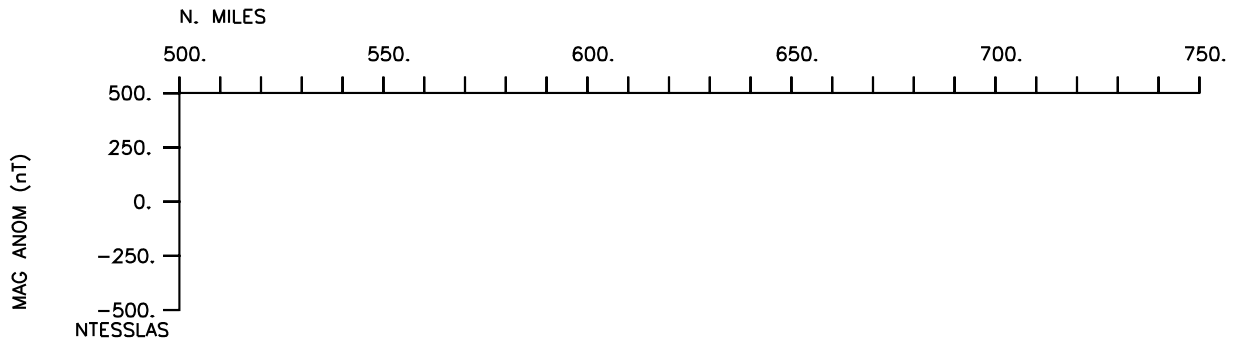
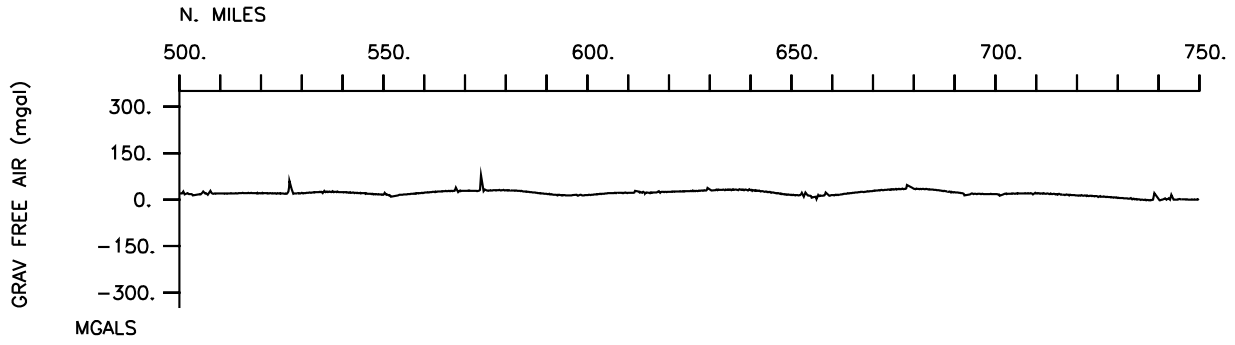
Gravity-1640 miles

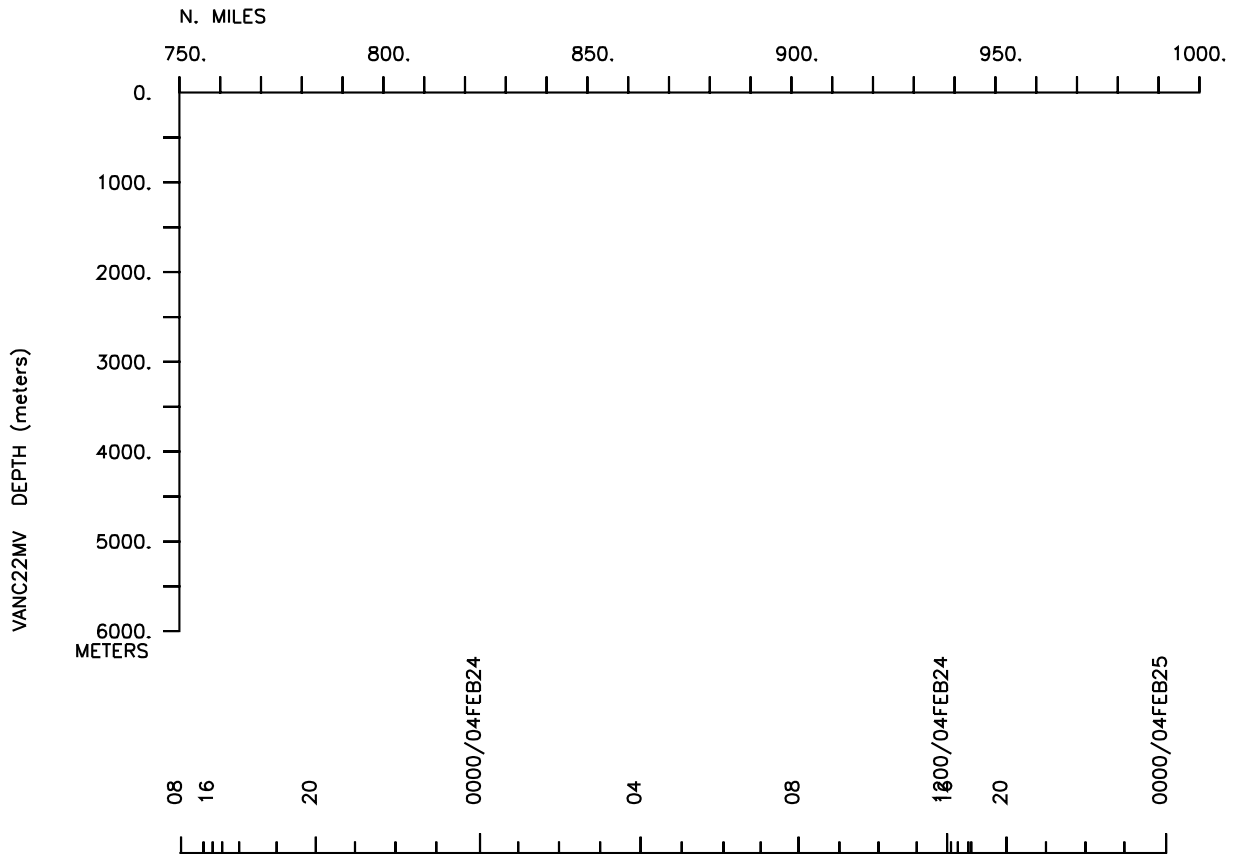
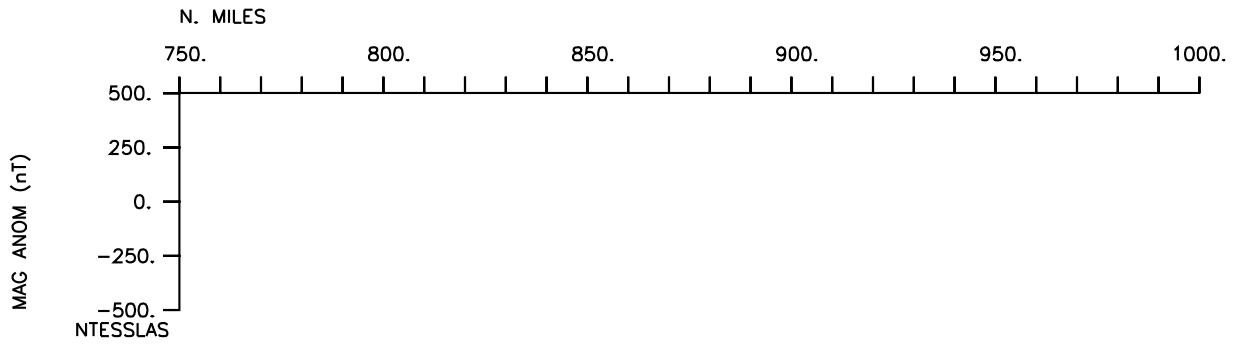
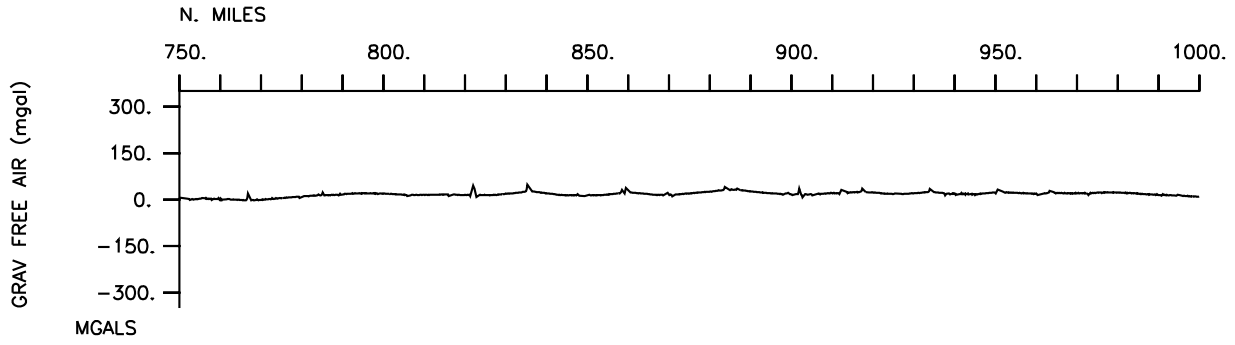
VANC22MV

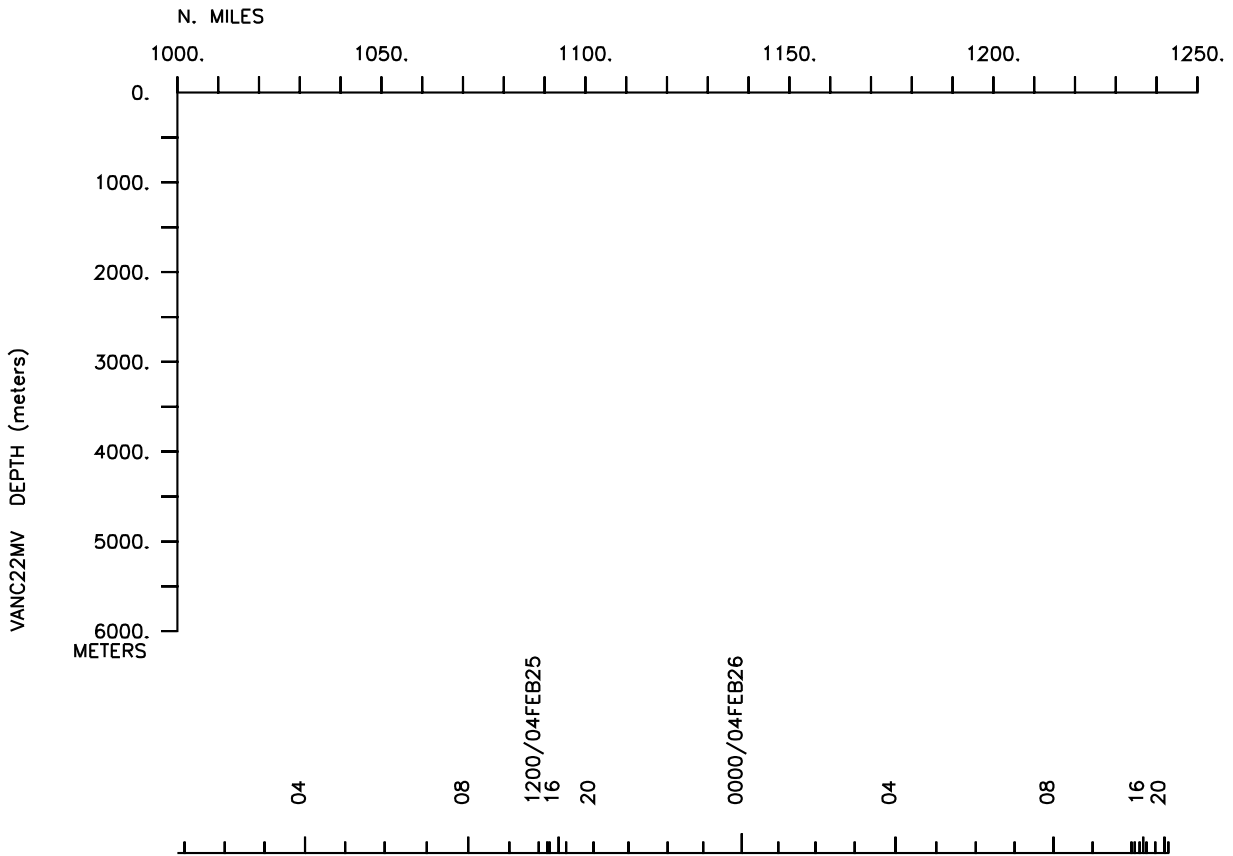
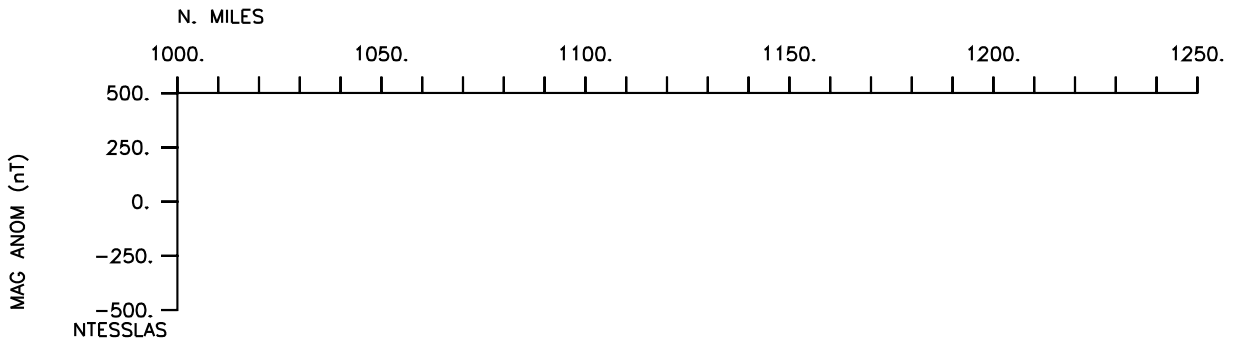
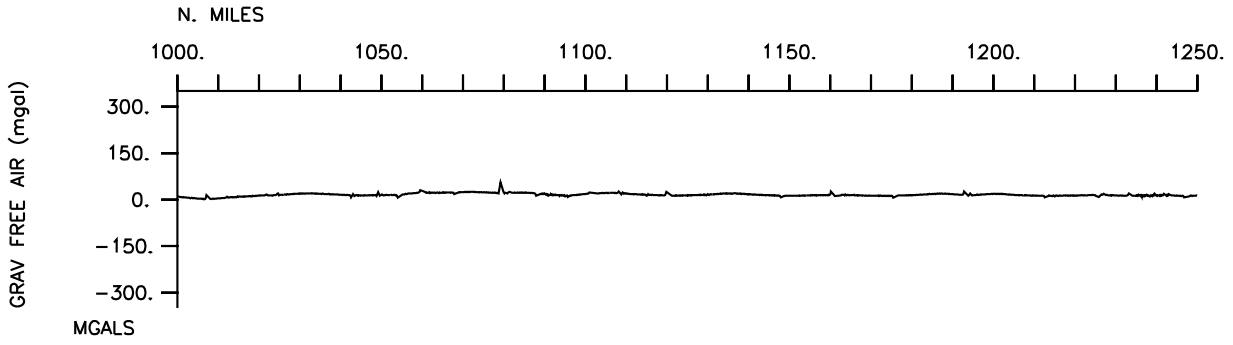


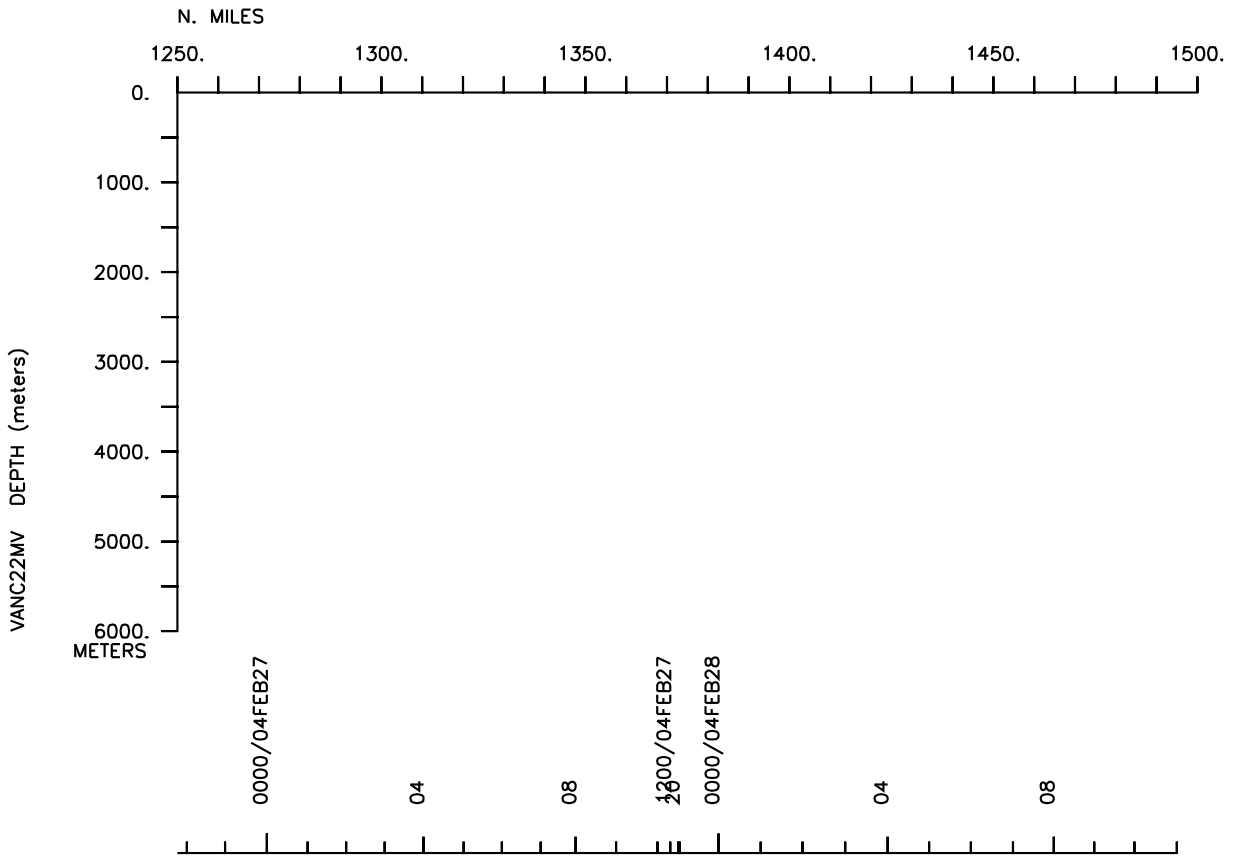
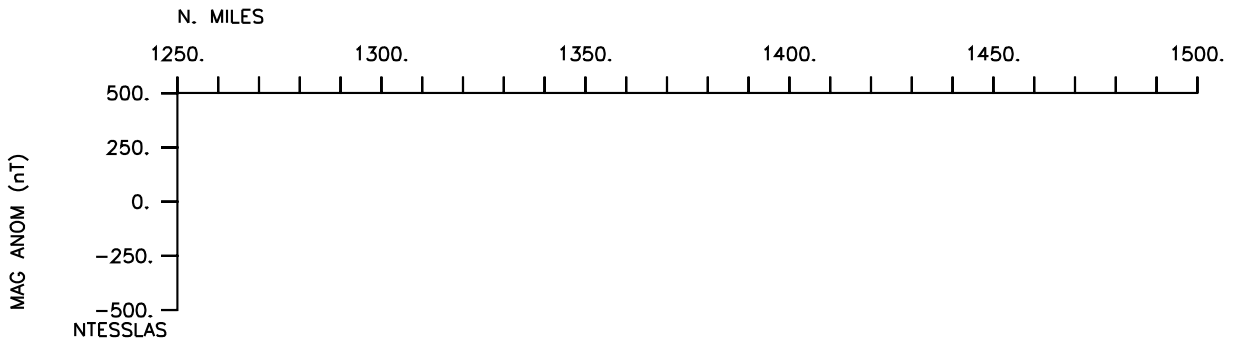
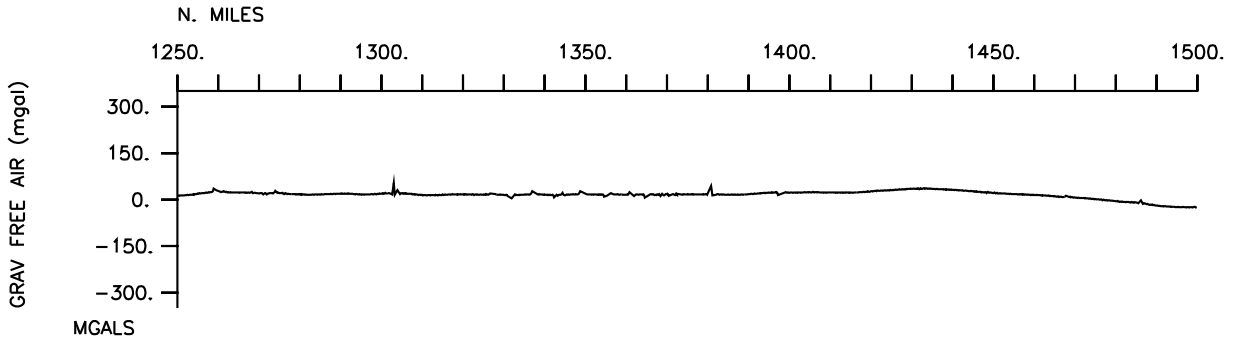


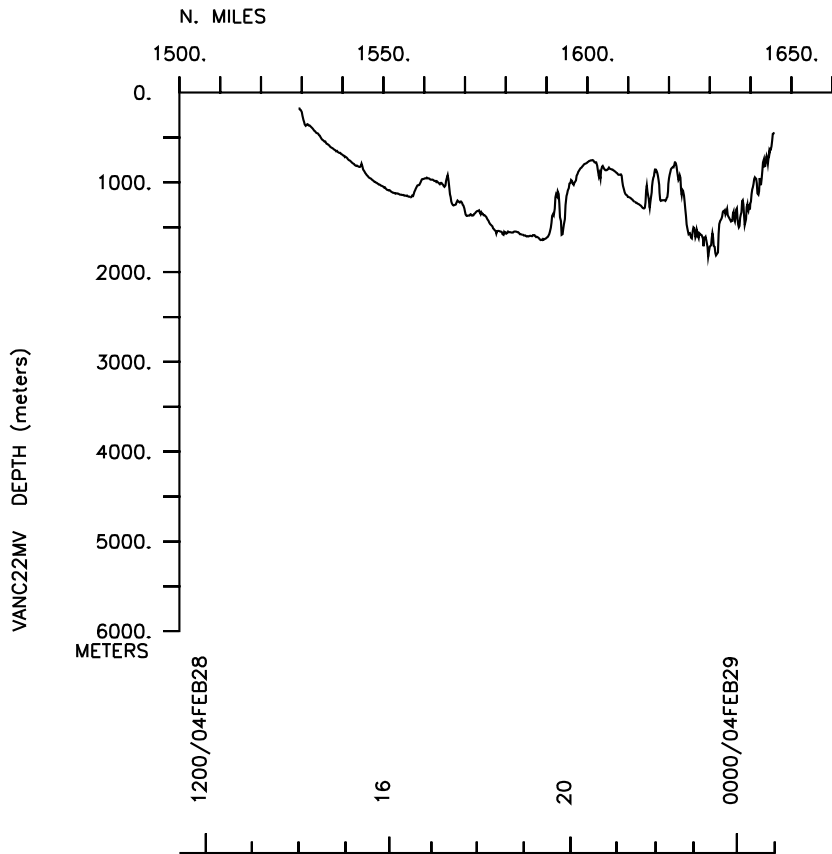
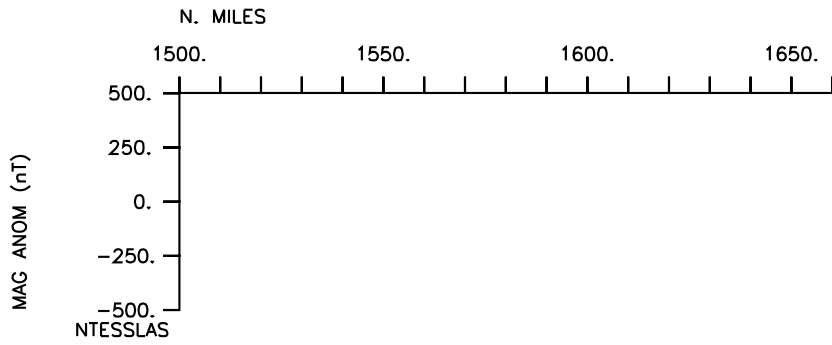
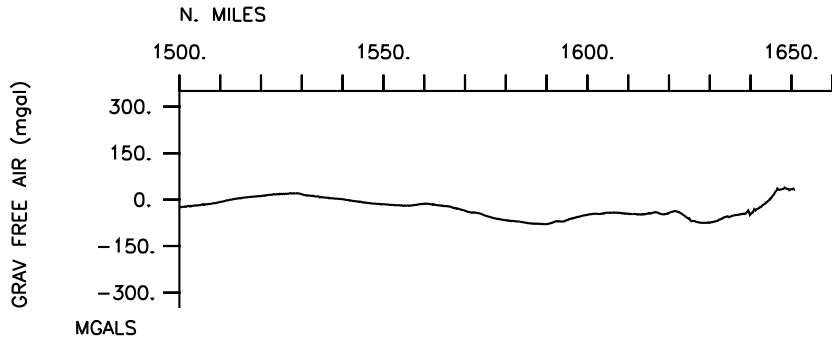












#*** Ports ***

0820 180204 LGPT B Port Moresby, PNG. 09-28.00S 147-09.00E f VANC22MV
 0800 290204 LGPT E Port Moresby, PNG. 09-28.00S 147-09.00E f VANC22MV

#*** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS SIO	Driscoll, N.	Chief Scientist	Scripps Institution	VANC22MV
PEST SIO	Fenwick, R.	Grad student	Scripps Institution	VANC22MV
PESP SIO	Elwood, D.	Scientist	Scripps Institution	VANC22MV
PESP SIO	Walsh, J.	Scientist	Scripps Institution	VANC22MV
PECT STS	Foley, S	Computer Tech	Scripps Institution	VANC22MV
PESP SIX	Milliman, J.	Scientist	NonScripps Employee	VANC22MV
PEST SIO	Hill, J.	Grad student	Scripps Institution	VANC22MV
PESP SIX	Niemitz, M.	Scientist	NonScripps Employee	VANC22MV
PESP SIX	Slingerland, R.	Scientist	NonScripps Employee	VANC22MV
PERT STS	Ravenhill, G.	Resident Tech	Scripps Institution	VANC22MV
PERT STS	Roswell, J.	Resident Tech	Scripps Institution	VANC22MV
PERT OSU	Moser, C.	Marine Tech	Oregon State Univ.	VANC22MV
PERT OSU	Hubbard, D.	Marine Tech	Oregon State Univ.	VANC22MV
PEST SIX	Atomo, J.	Grad student	U. Papua New Guinea	VANC22MV
PEST SIX	JOhn, S.	Grad student	U. Papua New Guinea	VANC22MV
PEST SIX	Koroba, F.	Grad student	U. Papua New Guinea	VANC22MV
PEST SIX	Mokepvesi, J.	Grad student	U. Papua New Guinea	VANC22MV
PEST SIX	Renagi, O.	Grad student	U. Papua New Guinea	VANC22MV
PEST SIX	Sioni, S.	Grad student	U. Papua New Guinea	VANC22MV
PEST SIX	Tau, E.	Grad student	U. Papua New Guinea	VANC22MV

#*** 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.

*** 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) ***

0908 180204 0 MBSR B v.beam&sidescan GDC 9-33.54S 147-06.14E g VANC22MV
 0059 290204 0 MBSR E v.beam&sidescan GDC 9-32.58S 147-07.50E g VANC22MV

#*** Echo Sounder Records ***

0800 200204 0 DPR3 B Echosounder 3.5kHz GDC 7-56.70S 144-51.53E g VANC22MV
 0100 290204 0 DPR3 E Echosounder 3.5kHz GDC 9-28.14S 147-08.38E g VANC22MV

#*** Digital Gravity ***

0800 200204 0 GVDD B Digital Gravity GDC 7-56.70S 144-51.53E g VANC22MV
 0143 290204 0 GVDD E Digital Gravity GDC 9-28.14S 147-08.38E g VANC22MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	--	----	-	-----	----	-----	-----		-	-----

*** Integrated Meteorological Acquisition System ***

0832	180204	0	IMET	B	Weather Measurements	GDC	9-30.82S	147-09.47E	g	VANC22MV
0140	290204	0	IMET	E	Weather Measurements	GDC	9-28.13S	147-08.37E	g	VANC22MV

*** Acoustic Doppler Current Profiler ***

0832	180204	0	ADCP	B	300khz Current Meas.	GDC	9-30.82S	147-09.47E	g	VANC22MV
0140	290204	0	ADCP	E	Current Measurements	GDC	9-28.13S	147-08.37E	g	VANC22MV

*** Piston Cores ***

0006	200204	0	COPS	PSTN	#1	40M	SIO	7-57.39S	145-02.11E	g	VANC22MV
1256	200204	0	COPS	PSTN	#2	45M	SIO	7-58.68S	145-02.98E	g	VANC22MV
1423	210204	0	COPS	PSTN	#5	37M	SIO	8-16.57S	144-29.01E	g	VANC22MV
1838	210204	0	COPS	PSTN	#6	38M	SIO	8-11.86S	144-34.18E	g	VANC22MV
1632	220204	0	COPS	PSTN	#13	65M	SIO	8-21.70S	144-33.33E	g	VANC22MV
1105	230204	0	COPS	PSTN	#14	32M	SIO	8-04.37S	144-44.79E	g	VANC22MV
1433	230204	0	COPS	PSTN	#15	18M	SIO	8-02.68S	144-43.82E	g	VANC22MV
1321	240204	0	COPS	PSTN	#17	41M	SIO	8-38.11S	144-14.81E	g	VANC22MV
1042	250204	0	COPS	PSTN	#21	35M	SIO	8-22.48S	144-22.39E	g	VANC22MV
1410	250204	0	COPS	PSTN	#22	23M	SIO	8-20.89S	144-20.63E	g	VANC22MV
1836	250204	0	COPS	PSTN	#24	32M	SIO	8-20.37S	144-23.51E	g	VANC22MV
1323	270204	0	COPS	PSTN	#34	35M	SIO	8-46.47S	144-05.83E	g	VANC22MV
1747	270204	0	COPS	PSTN	#35	46M	SIO	8-47.50S	144-06.96E	g	VANC22MV
2040	270204	0	COPS	PSTN	#36	47M	SIO	8-47.50S	144-06.96E	g	VANC22MV

*** Gravity Cores ***

0923	210204	0	COGV	GRVTY	#3	73M	SIO	8-21.42S	144-37.58E	g	VANC22MV
1034	210204	0	COGV	GRVTY	#4	76M	SIO	8-21.43S	144-37.58E	g	VANC22MV
1100	220204	0	COGV	GRVTY	#7	64M	SIO	8-20.30S	144-31.55E	g	VANC22MV
1122	220204	0	COGV	GRVTY	#8	64M	SIO	8-20.30S	144-31.55E	g	VANC22MV
1222	220204	0	COGV	GRVTY	#9	70M	SIO	8-20.83S	144-32.23E	g	VANC22MV
1245	220204	0	COGV	GRVTY	#10	71M	SIO	8-20.83S	144-32.23E	g	VANC22MV
1334	220204	0	COGV	GRVTY	#11	73M	SIO	8-21.27S	144-32.78E	g	VANC22MV
1357	220204	0	COGV	GRVTY	#12	73M	SIO	8-21.27S	144-32.78E	g	VANC22MV
1708	230204	0	COGV	GRVTY	#13	22M	SIO	8-00.72S	144-42.74E	g	VANC22MV
1600	240204	0	COGV	GRVTY	#18	48M	SIO	8-38.13S	144-13.99E	g	VANC22MV
1711	240204	0	COGV	GRVTY	#19	31M	SIO	8-38.18S	144-12.46E	g	VANC22MV
1824	240204	0	COGV	GRVTY	#20	23M	SIO	8-40.02S	144-10.43E	g	VANC22MV
1642	250204	0	COGV	GRVTY	#23	24M	SIO	8-18.22S	144-17.69E	g	VANC22MV
1137	260204	0	COGV	GRVTY	#25	13M	SIO	8-22.81S	144-14.49E	g	VANC22MV
1242	260204	0	COGV	GRVTY	#26	12M	SIO	8-22.82S	144-14.49E	g	VANC22MV
1331	260204	0	COGV	GRVTY	#27	13M	SIO	8-22.81S	144-14.49E	g	VANC22MV
1442	260204	0	COGV	GRVTY	#28	18M	SIO	8-21.12S	144-15.19E	g	VANC22MV
1637	260204	0	COGV	GRVTY	#29	23M	SIO	8-19.66S	144-15.80E	g	VANC22MV
1820	260204	0	COGV	GRVTY	#30	24M	SIO	8-17.96S	144-16.85E	g	VANC22MV
1948	260204	0	COGV	GRVTY	#31	20M	SIO	8-16.57S	144-18.42E	g	VANC22MV

*** Expendable Bathythermographs ***

1549	280204	0	BTXP	MK21	# 1	Fast_Deep	GDC	8-41.02S	145-51.06E	g	VANC22MV
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#						End Sample Index					VANC22MV
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