

*Report and Index of
Underway Marine Geophysical Data*

Vancouver Expedition

Leg 19

(VANC19MV)

R/V Melville

(Issued Apr 2004)

Ports:

Cairns, Australia (08-Jan-04)
to
Port Moresby, PNG (12-Jan-04)

Chief Scientist: A. Ogston
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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 92093-0223

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.

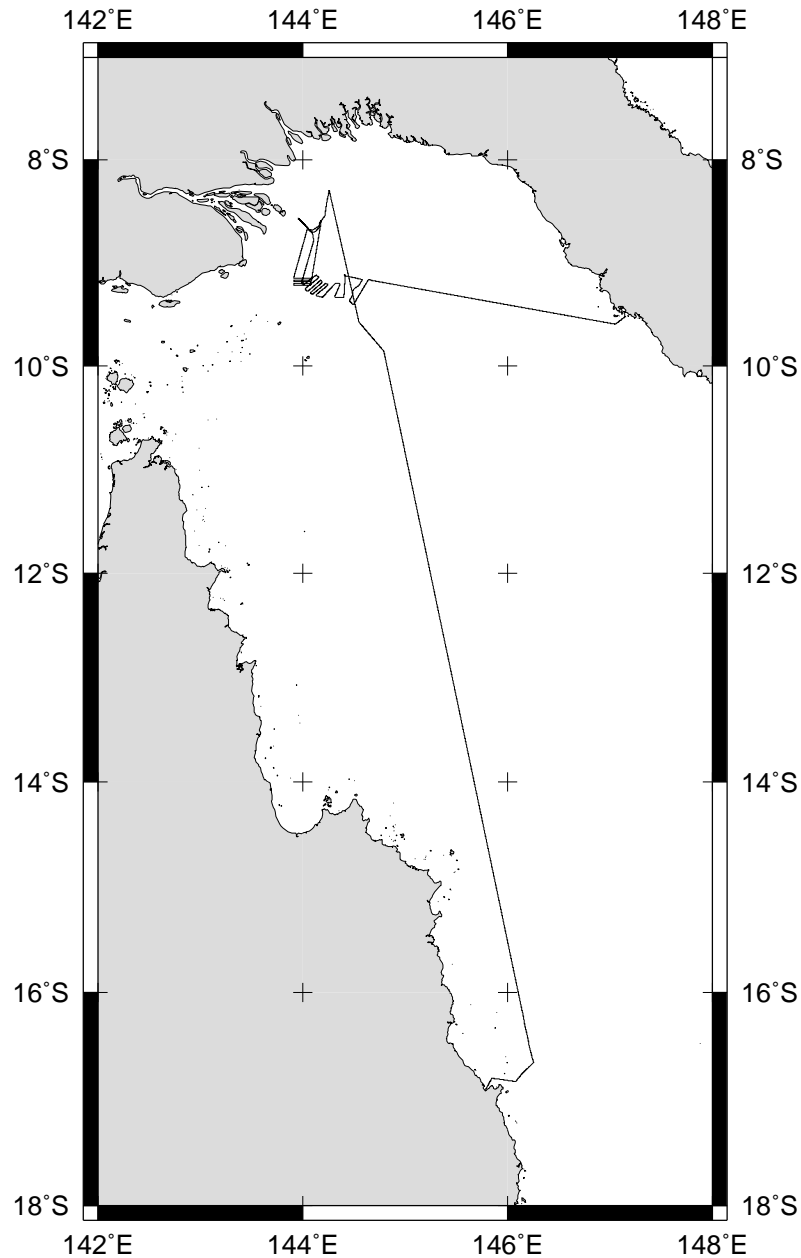
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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 19 (VANC19MV)

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CHIEF SCIENTIST: Andrea Ogston, University of Washington

PORTS: Cairns, Australia - Port Moresby, PNG

DATES: 7 - 12 January 2004

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-1103 miles

Magnetics-none collected

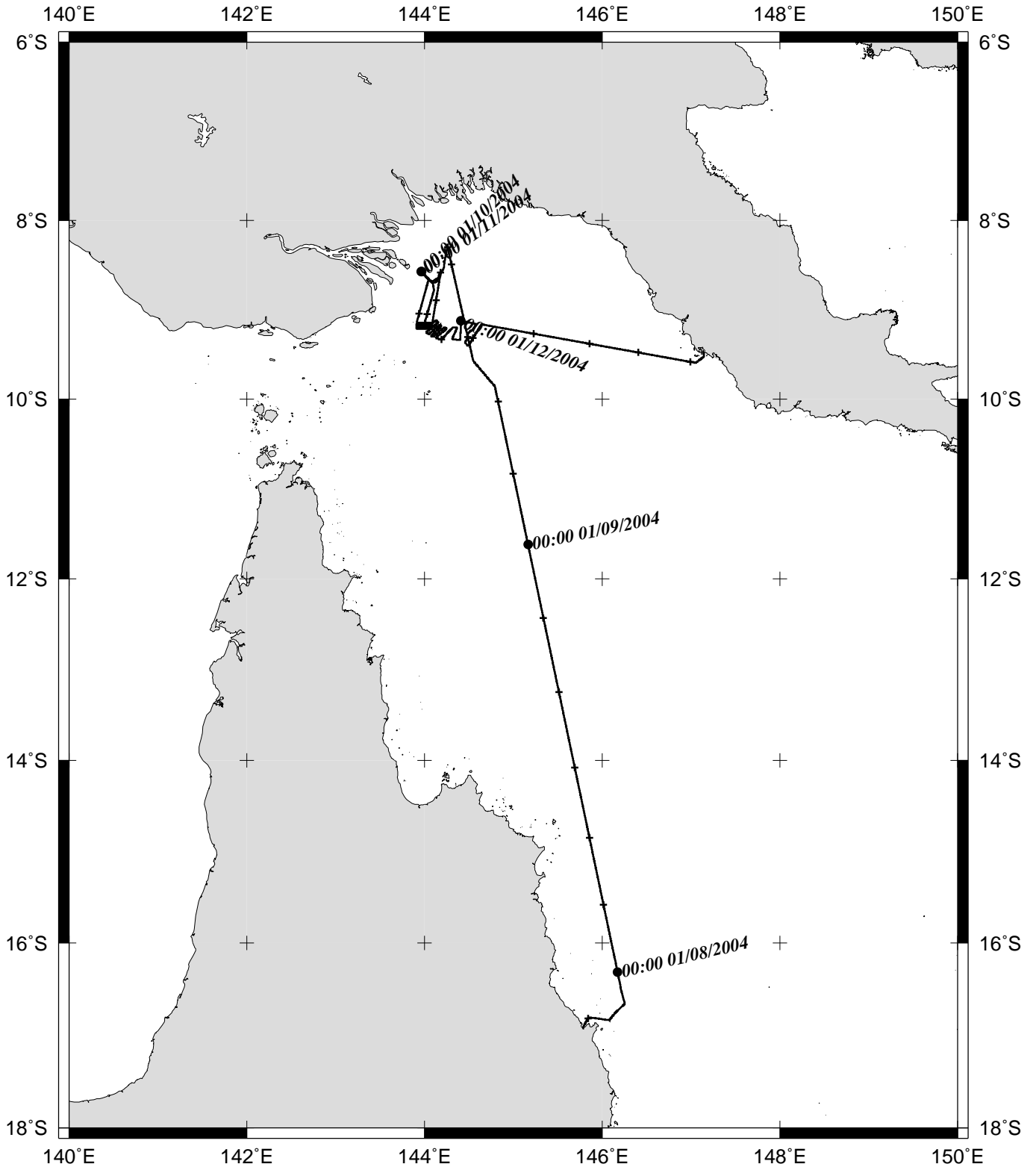
Bathymetry-336 miles

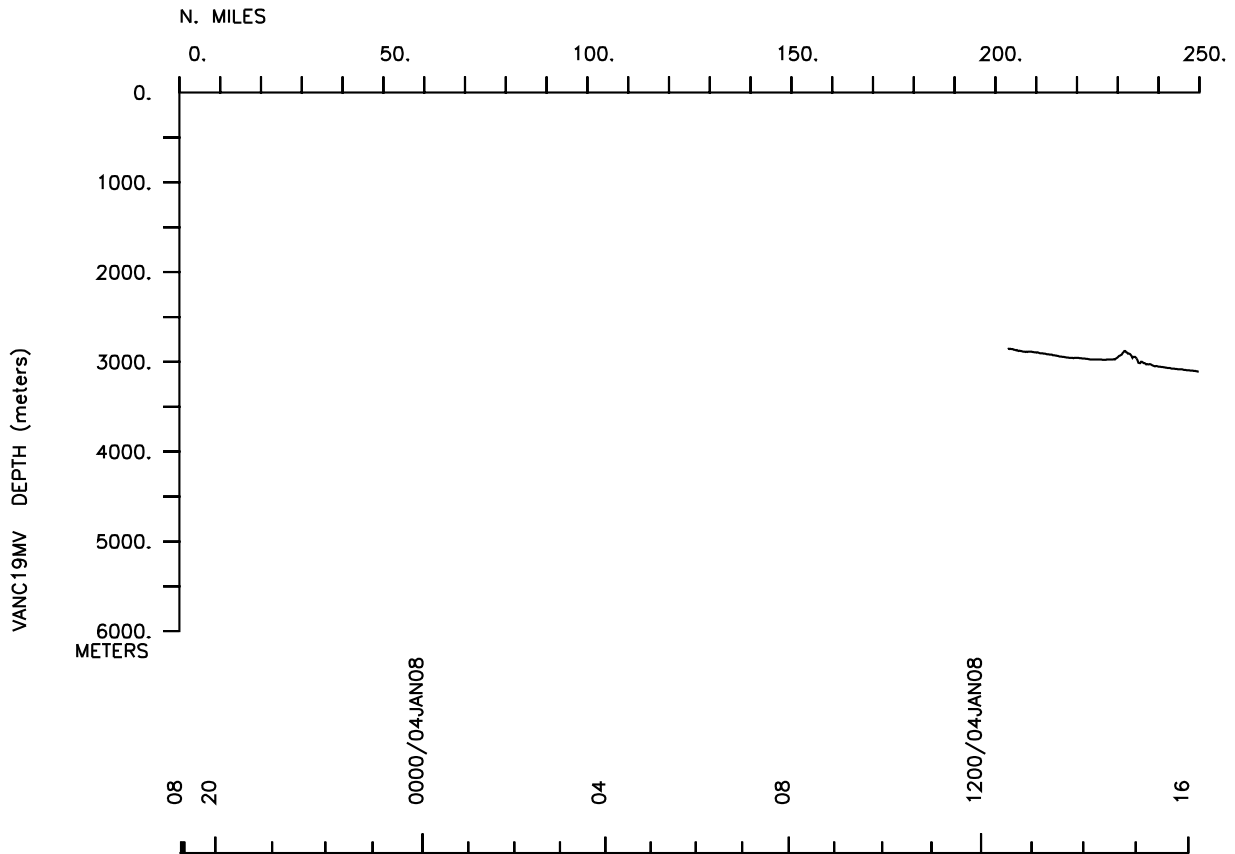
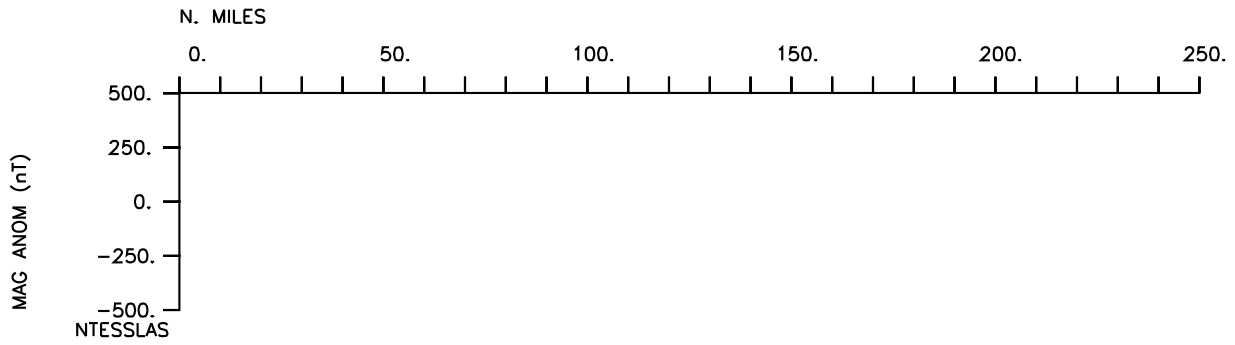
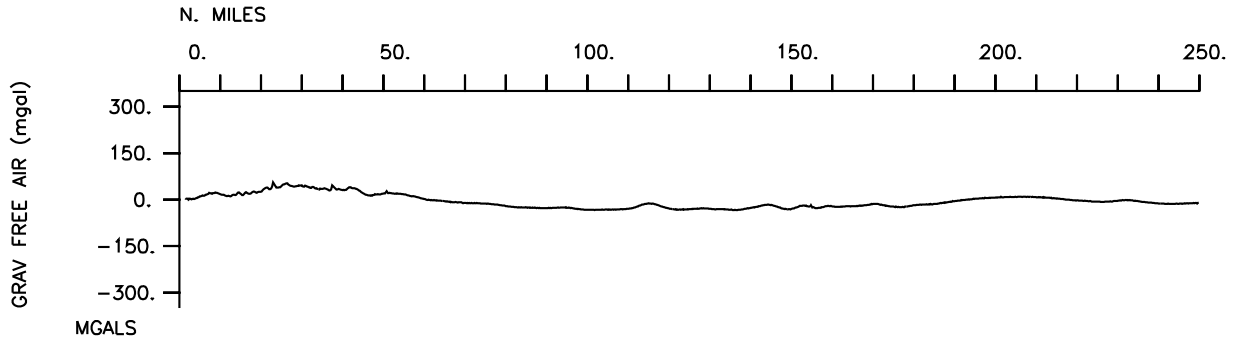
Seismic Reflection-none collected

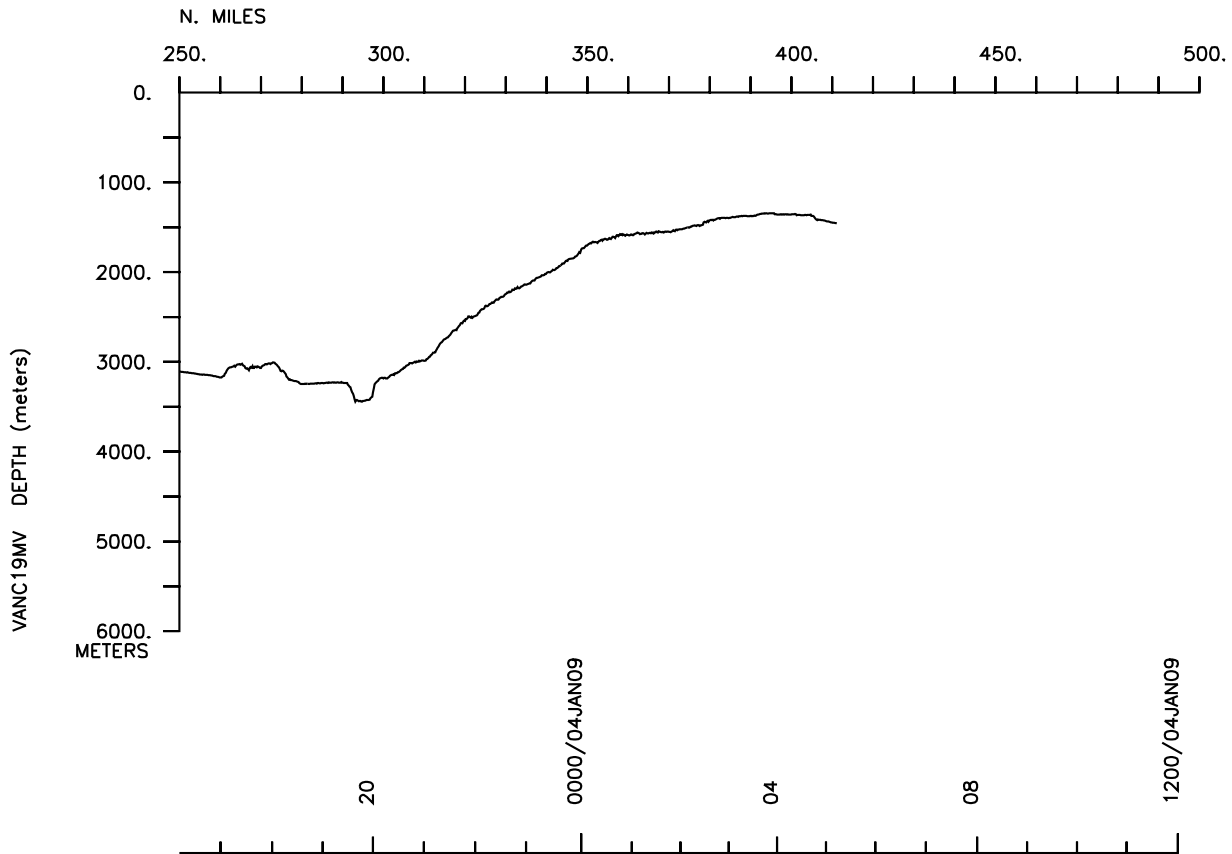
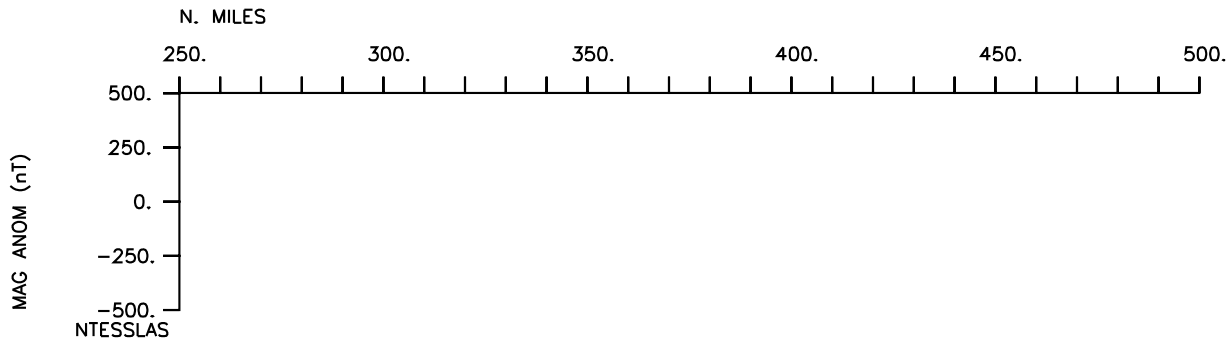
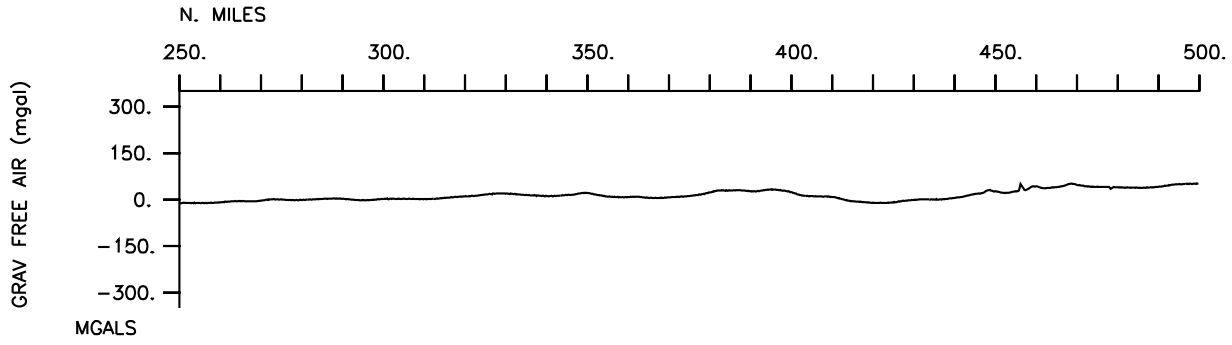
Multibeam-336 miles

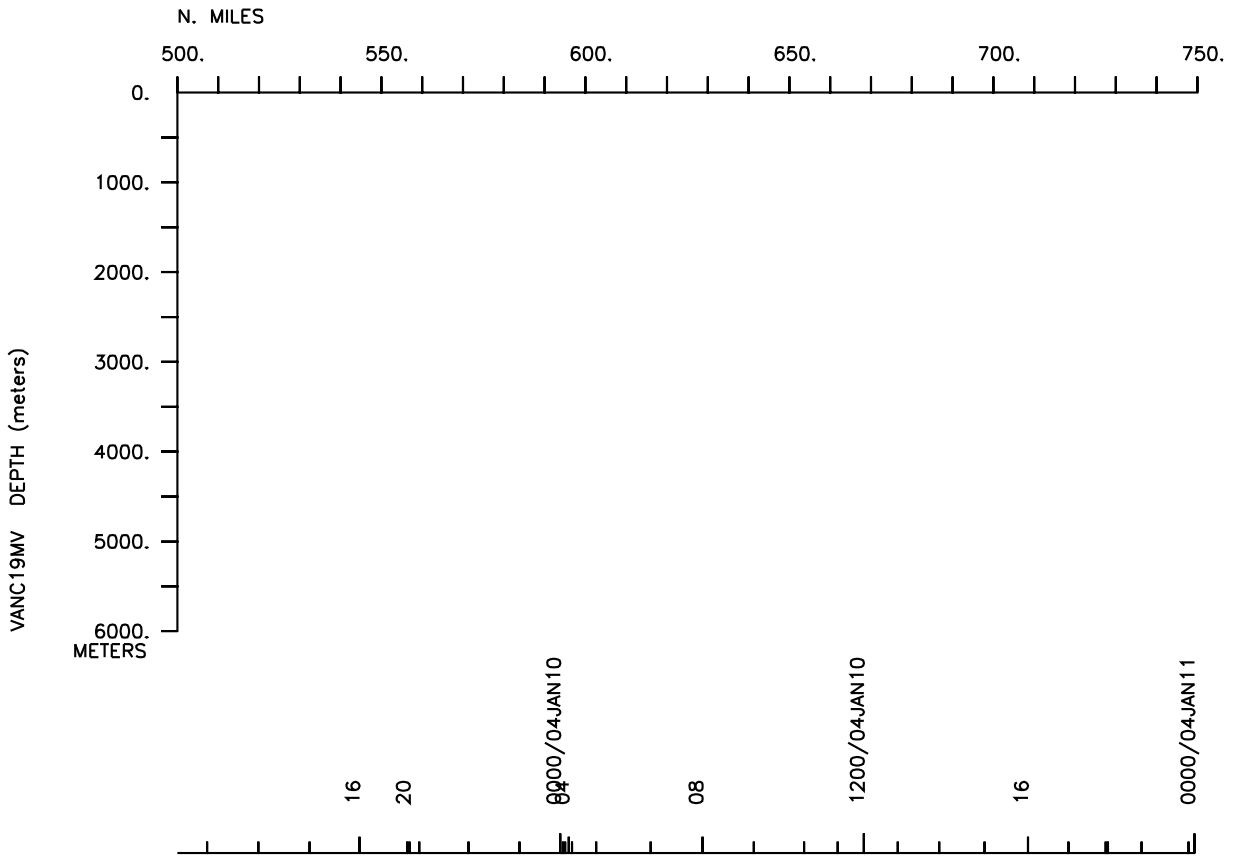
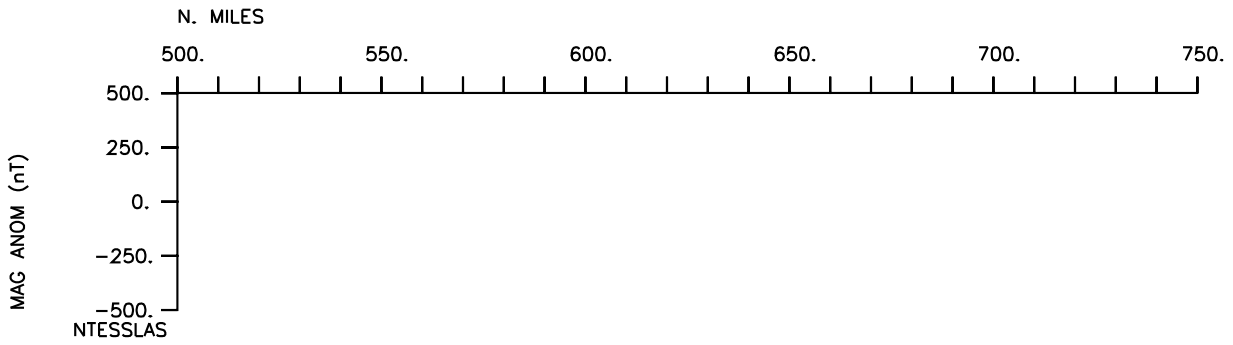
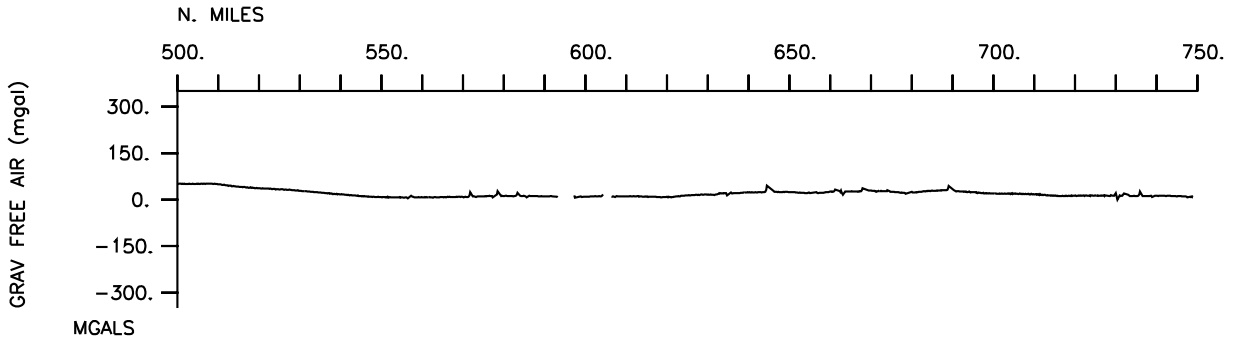
Gravity-1103 miles

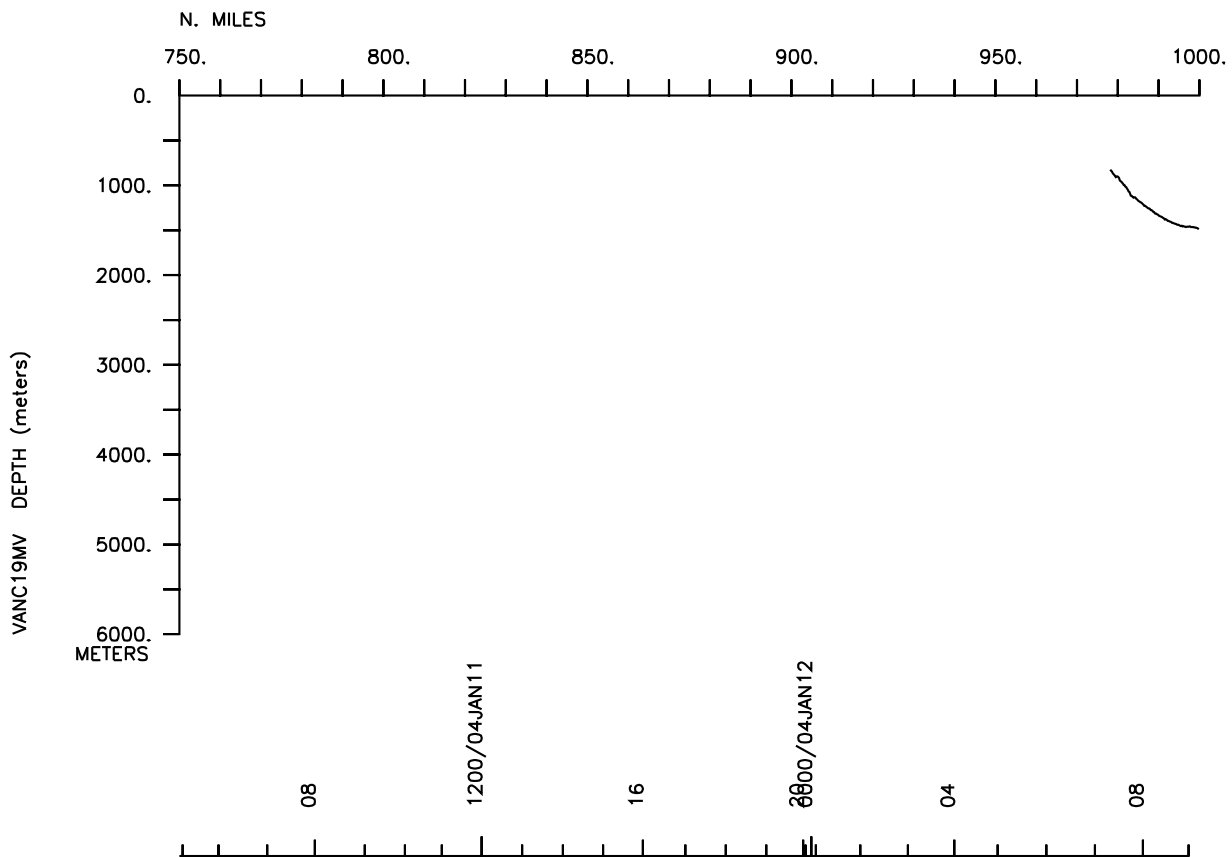
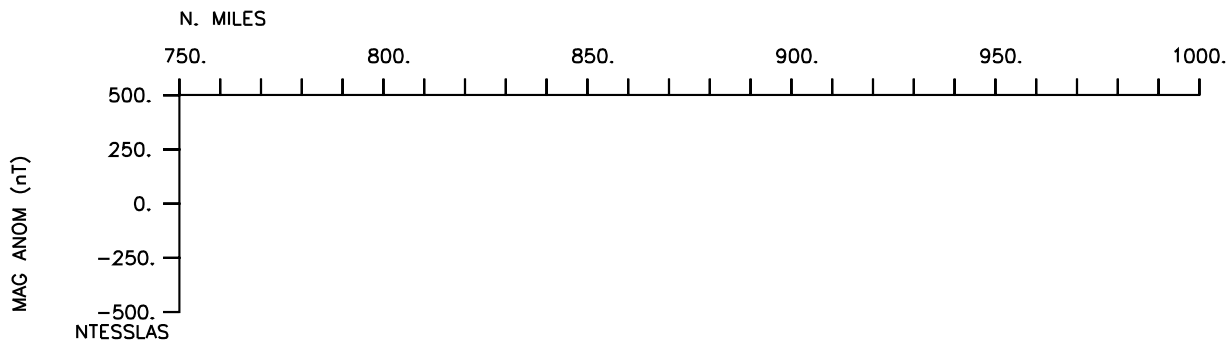
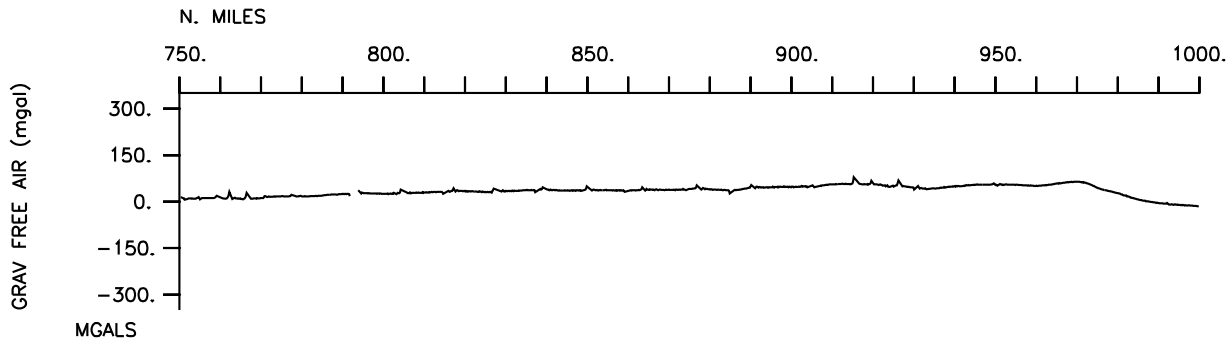
VANC19MV

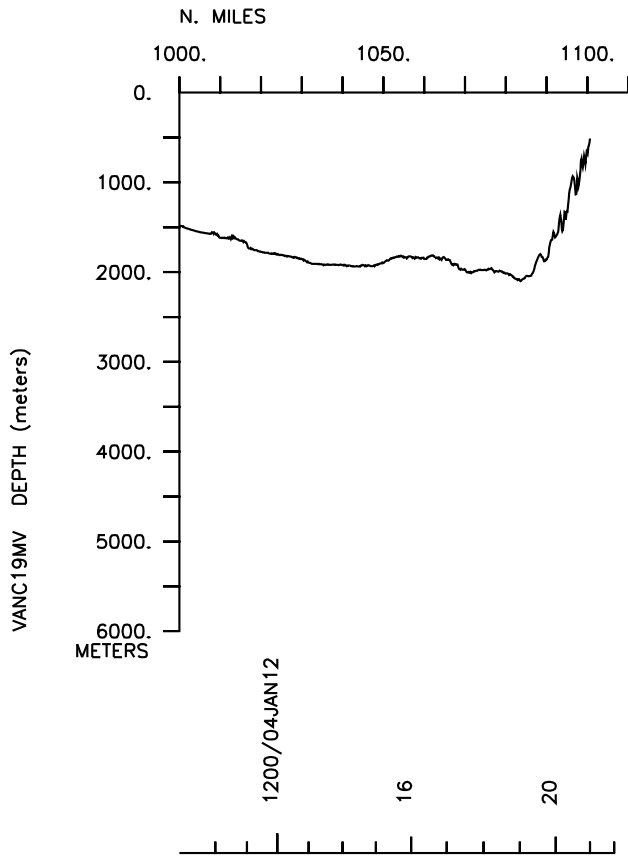
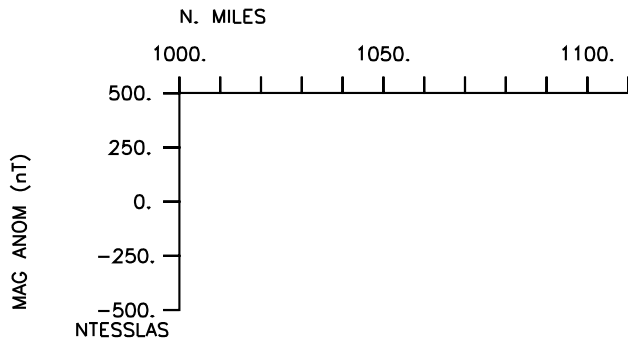
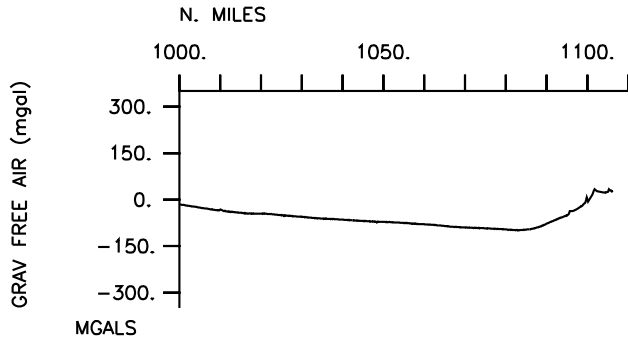












#*** Ports ***

```
1854 070104 LGPT B Cairns, Australia 16 55.00S 145 47.00E f VANC19MV
0800 130104 LGPT E Pt.Moresby,PapuaNewGuinea 9-28.00S 147-09.00E f VANC19MV
```

#*** Personnel ***

```
# *****NAME***** *****TITLE***** *****AFFILIATION***** **CRID**
#-----
PECS UWA Ogston, A. Chief Scientist Univ. of Washington VANC19MV
PEST UWA Crockett, J. Grad student Univ. of Washington VANC19MV
PECT STS Foley, S. Computer Tech Scripps Institution VANC19MV
PESP SIX Goni, M. Scientist Univ. South Carolina VANC19MV
PEST SIX Monacci, N. Grad student Univ. South Carolina VANC19MV
PEST UWA Presto, M. Grad student Univ. of Washington VANC19MV
PERT STS Ravenhill, G. Resident Tech Scripps Institution VANC19MV
PESP UWA Sternberg, R. Scientist Univ. of Washington VANC19MV
PEMT UWA Sternberg, L. Technician Univ. of Washington VANC19MV
```

#*** 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 ext.41899 ***
*** Digital Data Curator - Geological Data Center, S.P. Miller, ext.41898 ***
```

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

```
1232 080104 0 MBSR B multibeam&sidescan GDC 13-58.45S 145-40.08E g VANC19MV
2100 120104 0 MBSR E multibeam&sidescan GDC 9-32.79S 147-07.06E g VANC19MV
```

#*** Digital Gravity ***

```
1844 070104 0 GVDD B digital gravity GDC 16-55.60S 145-46.83E g VANC19MV
2201 120104 0 GVDD E digital gravity GDC 9-28.10S 147-08.23E g VANC19MV
```

#*** Integrated Meteorological Acquisition System ***

```
1854 070104 0 IMET B Weather Measurements GDC 16-55.60S 145-46.83E g VANC19MV
2201 120104 0 IMET E Weather measurements GDC 9-28.10S 147-08.23E g VANC19MV
```

#*** Acoustic Doppler Current Profiler ***

```
1854 070104 0 ADCP B 300khz Current Meas. GDC 16-55.60S 145-46.83E g VANC19MV
2201 120104 0 ADCP E Current Measurements GDC 9-28.10S 147-08.23E g VANC19MV
```

#*** Echosounder 3.5kHz ***

```
1854 070104 0 DPR3 B Echosounder 3.5Hz GDC 16-55.60S 145-46.83E g VANC19MV
2201 120104 0 DPR3 E Echosounder 3.5kHz GDC 9-28.10S 147-08.23E g VANC19MV
```

#*** Temperature, Density, Conductivity ***

```
2034 110104 0 TDCT CTD #1 68M SIX 9-07.86S 144-24.84E g VANC19MV
```

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

**** Hydrocasts ****

1736	090104	0	HCXX	B	BLISP #1	20M	UWA	8-18.03S	144-15.51E	g	VANC19MV
1747	090104	0	HCXX	E	BLISP #1	20M	UWA	8-18.03S	144-15.51E	g	VANC19MV
1920	090104	0	HCXX	B	BLISP #2	20M	UWA	8-18.03S	144-15.51E	g	VANC19MV
1926	090104	0	HCXX	E	BLISP #2	20M	UWA	8-18.03S	144-15.51E	g	VANC19MV
0026	100104	0	HCXX	B	BLISP #3	16M	UWA	8-34.51S	143-57.79E	g	VANC19MV
0029	100104	0	HCXX	E	BLISP #3	16M	UWA	8-34.51S	143-57.79E	g	VANC19MV
1832	100104	0	HCXX	B	BLISP #4	20M	UWA	8-35.19S	144-10.90E	g	VANC19MV
1838	100104	0	HCXX	E	BLISP #4	20M	UWA	8-35.19S	144-10.90E	g	VANC19MV

**** Box Cores ****

1822	090104	0	COBX	B	BOX #1		UWA	8-18.03S	144-15.51E	g	VANC19MV
1832	090104	0	COBX	E	BOX #1	20M	UWA	8-18.03S	144-15.51E	g	VANC19MV
1840	090104	0	COBX	B	BOX #2		UWA	8-18.03S	144-15.51E	g	VANC19MV
1849	090104	0	COBX	E	BOX #2	20M	UWA	8-18.03S	144-15.51E	g	VANC19MV
1858	090104	0	COBX	B	BOX #3		UWA	8-18.03S	144-15.51E	g	VANC19MV
1905	090104	0	COBX	E	BOX #3	18M	UWA	8-18.03S	144-15.51E	g	VANC19MV
0041	100104	0	COBX	B	BOX #4		UWA	8-34.52S	143-57.80E	g	VANC19MV
0044	100104	0	COBX	E	BOX #4	18M	UWA	8-34.51S	143-57.80E	g	VANC19MV
0101	100104	0	COBX	B	BOX #5		UWA	8-34.53S	143-57.82E	g	VANC19MV
0104	100104	0	COBX	E	BOX #5	18M	UWA	8-34.53S	143-57.82E	g	VANC19MV
0125	100104	0	COBX	B	BOX #6		UWA	8-34.54S	143-57.82E	g	VANC19MV
0130	100104	0	COBX	E	BOX #6	18m	UWA	8-34.54S	143-57.82E	g	VANC19MV
1853	100104	0	COBX	B	BOX #7		UWA	8-35.19S	144-10.90E	g	VANC19MV
1900	100104	0	COBX	E	BOX #7	20M	UWA	8-35.19S	144-10.90E	g	VANC19MV
1933	100104	0	COBX	B	BOX #8		UWA	8-35.19S	144-10.90E	g	VANC19MV
1940	100104	0	COBX	E	BOX #8	20M	UWA	8-35.19S	144-10.90E	g	VANC19MV
2100	110104	0	COBX	B	BOX #9		UWA	9-07.86S	144-24.84E	g	VANC19MV
2110	110104	0	COBX	E	BOX #9	70M	UWA	9-07.86S	144-24.84E	g	VANC19MV

**** Current Measurements ****

2014	090104	0	CMXX		TRIPOD B		UWA	8-18.03S	144-15.51E	g	VANC19MV
2047	100104	0	CMXX		TRIPOD A		UWA	8-35.19S	144-10.90E	g	VANC19MV
0441	110104	0	CMXX		Rusty Tripod		UWA	8-34.56S	143-57.81E	g	VANC19MV
2347	110104	0	CMXX		Moring A		UWA	9-07.48S	144-24.55E	g	VANC19MV

**** Expendable Bathythermographs ****

1211	080104	0	BTXP		MK21 # 1	Fast_Deep	GDC	14-02.68S	145-40.98E	g	VANC19MV
0747	120104	0	BTXP		MK21 # 2	Fast_Deep	GDC	9-15.82S	145-11.27E	g	VANC19MV

#					End Sample Index						VANC19MV
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