

*Report and Index of
Underway Marine Geophysical Data*

Vancouver Expedition

Leg 27

(VANC27MV)

R/V Melville

(Issued Jul 2004)

Ports:

Cairns, Australia (16-Apr-2004)

to

Port Moresby, Papua New Guinea (22-Apr-2004)

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Computer Tech - Ronald L Moe
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.

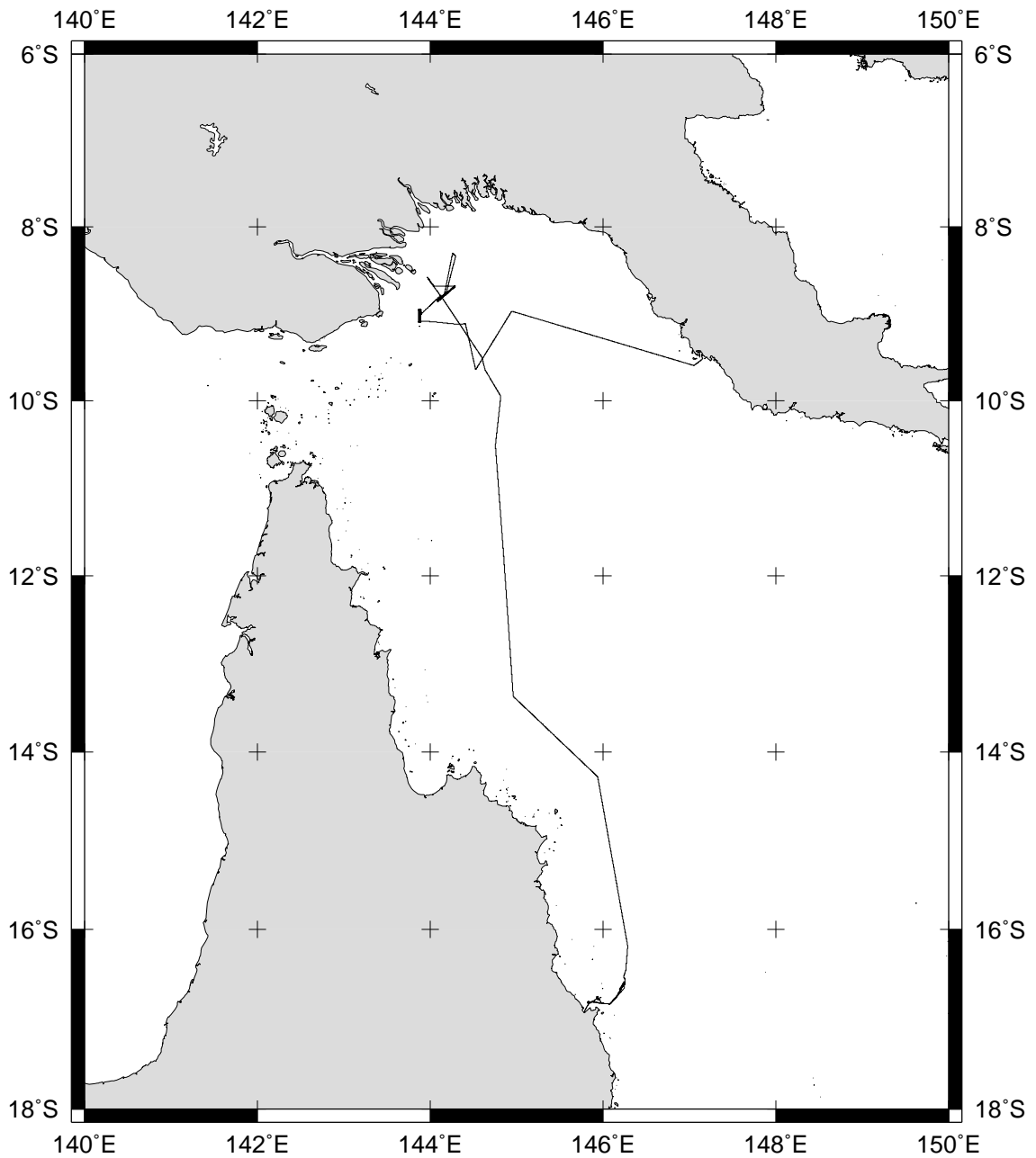
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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 27 (VANC27MV)

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CHIEF SCIENTIST: Anrdea Ogston, University of Washington

PORTS: Cairns, Australia - Port Moresby, Papua New Guinea

DATES: 16 - 22 April 2004

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-1395 miles

Magnetics-none collected

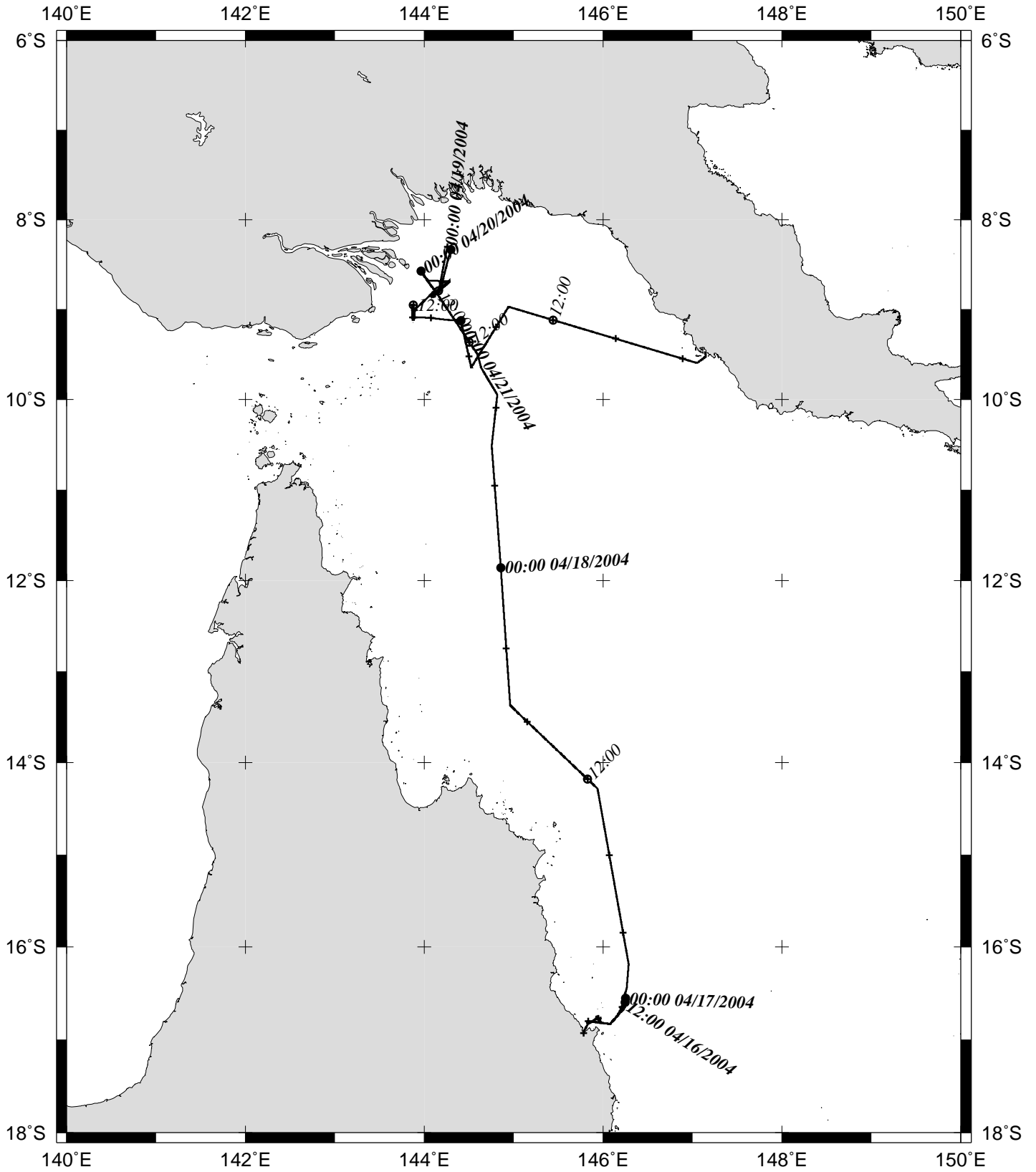
Bathymetry- 572 miles

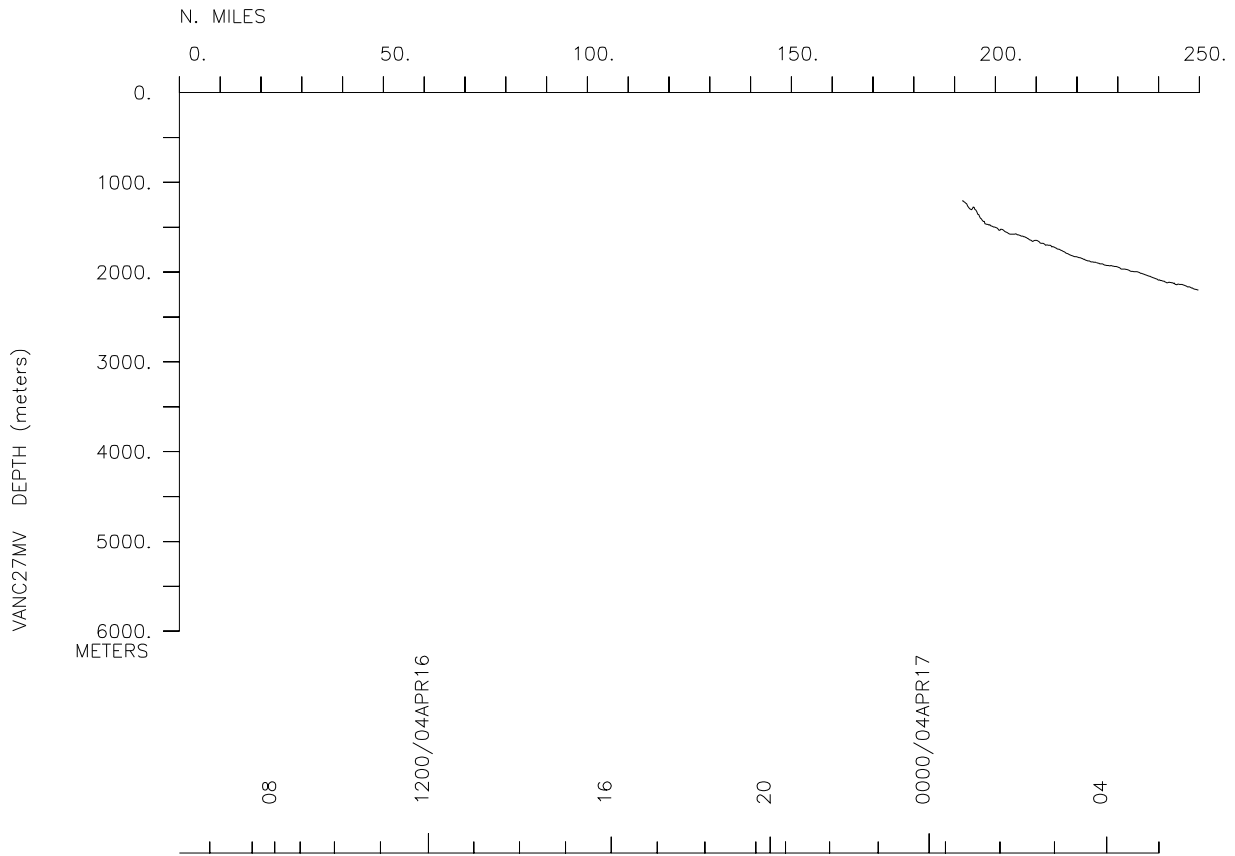
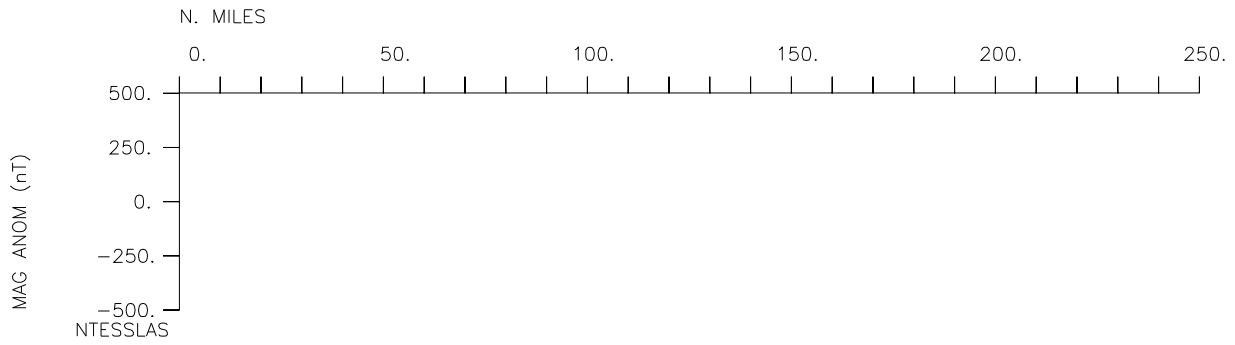
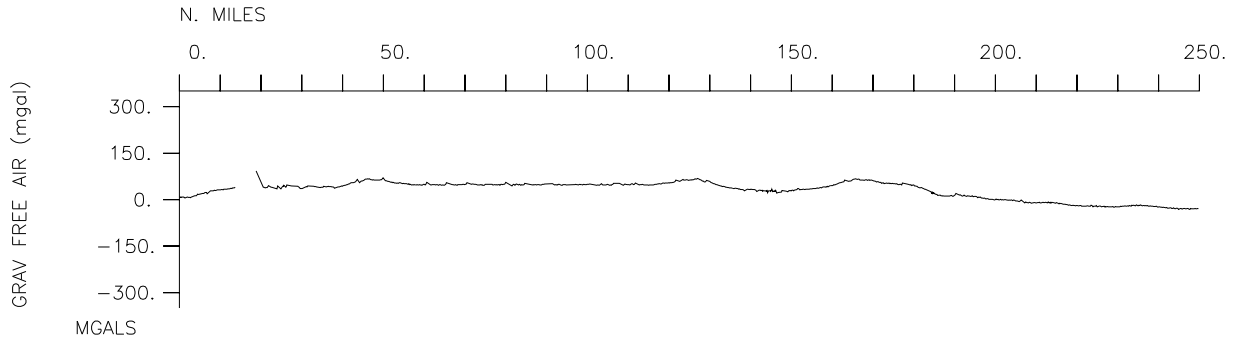
Seismic Reflection-none collected

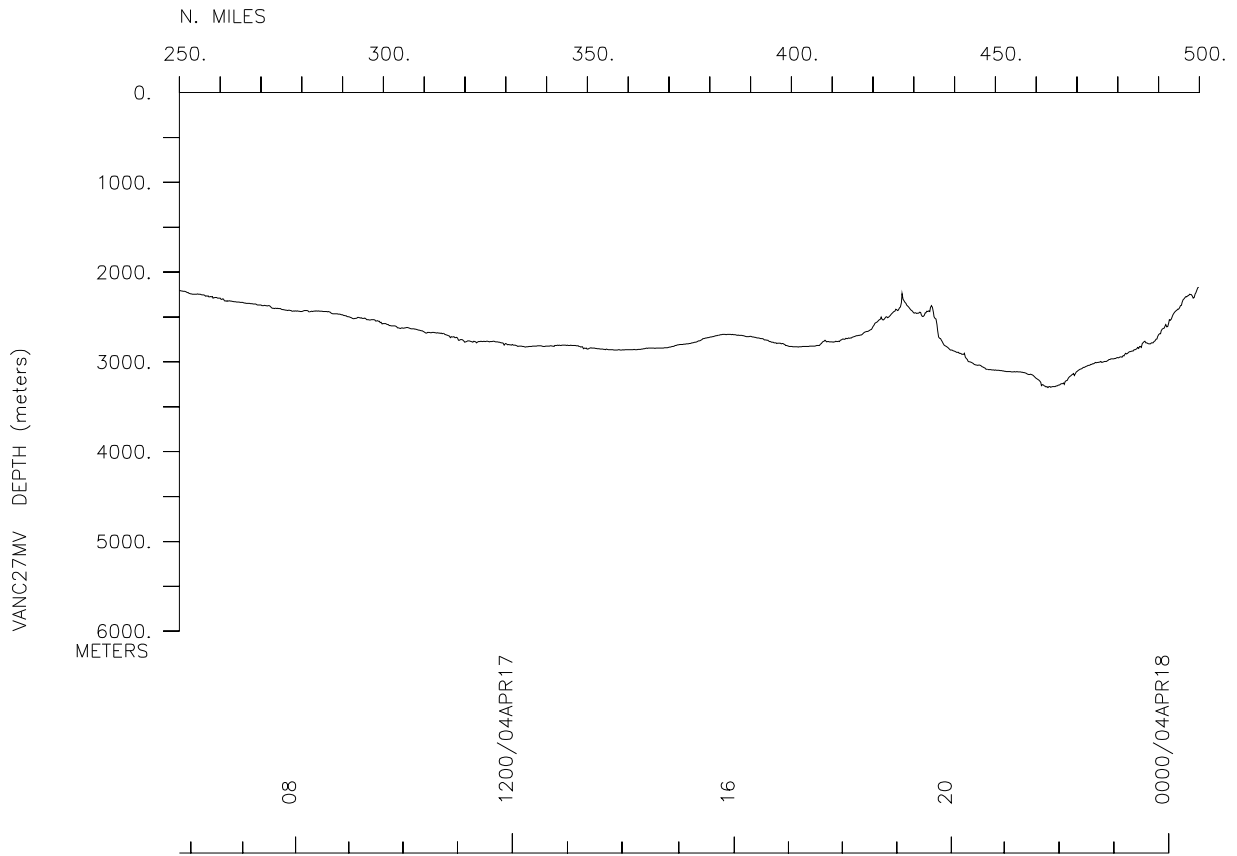
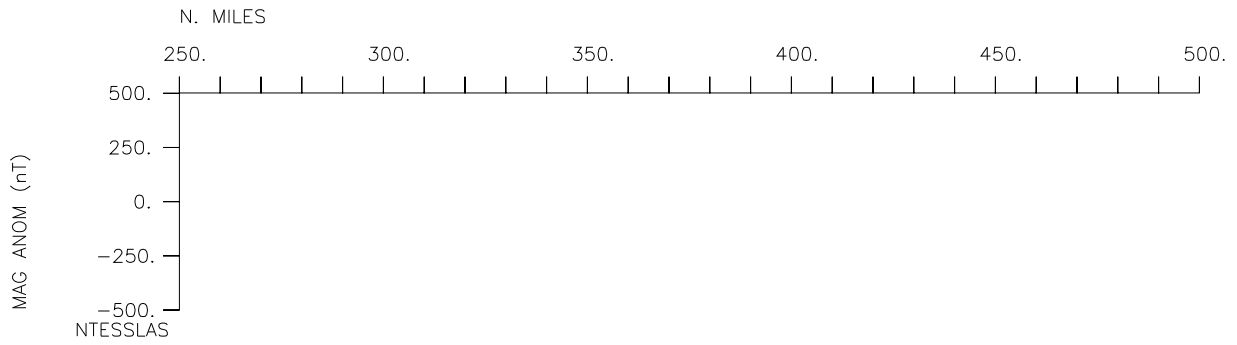
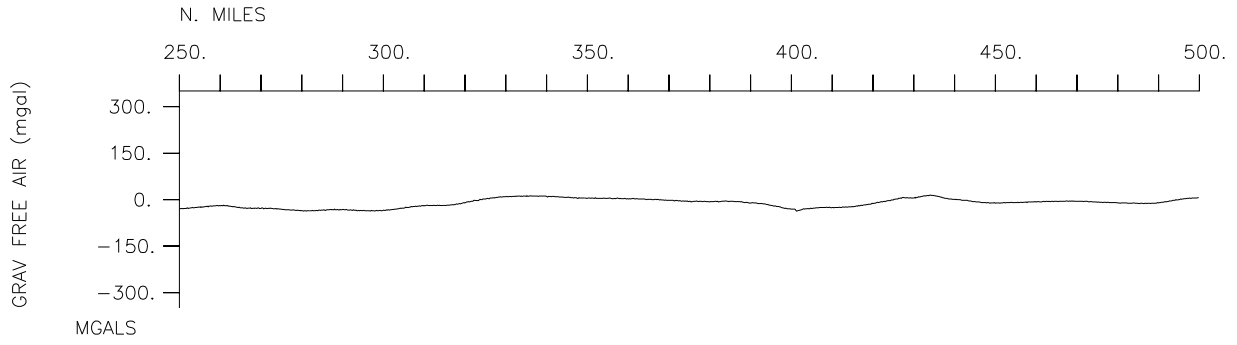
Multibeam- 572 miles

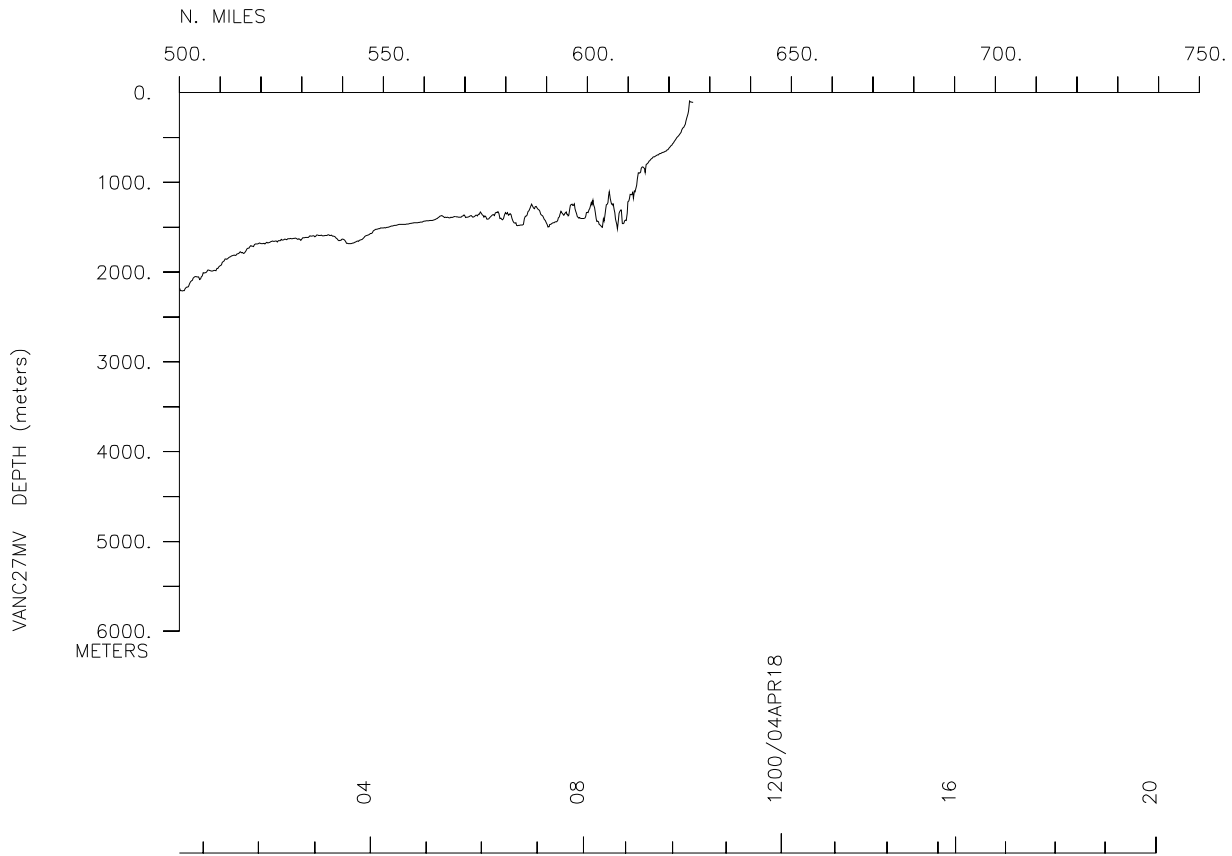
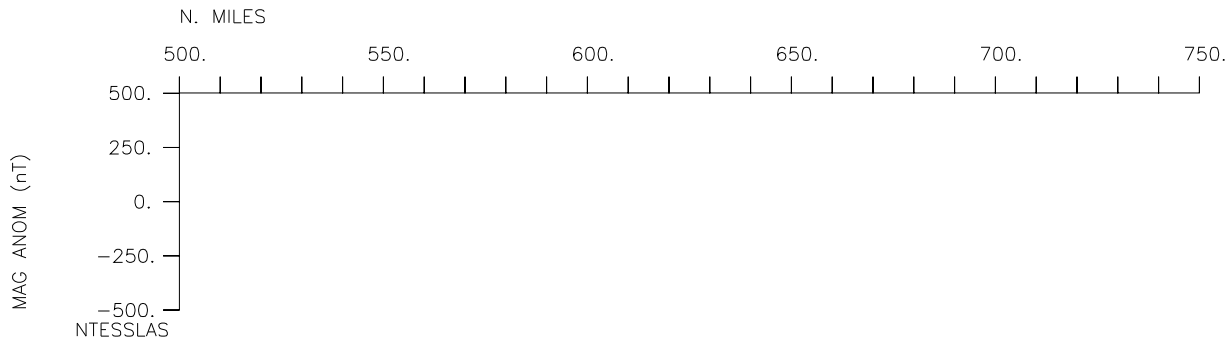
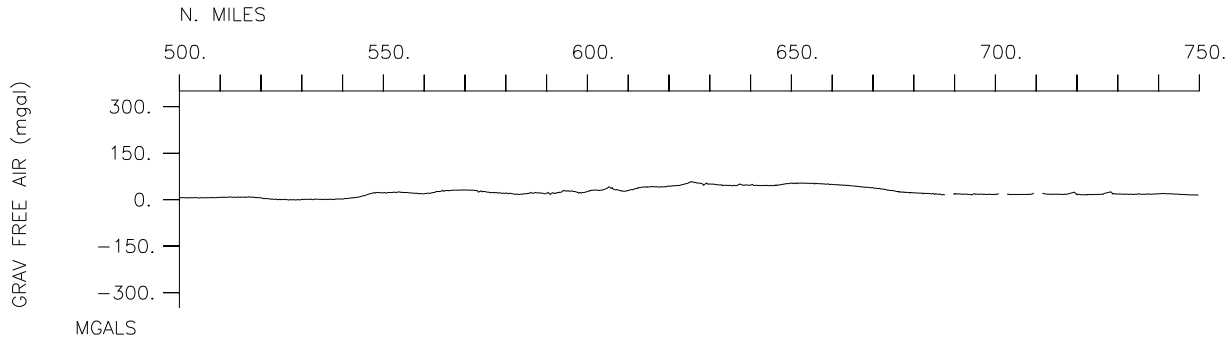
Gravity-1395 miles

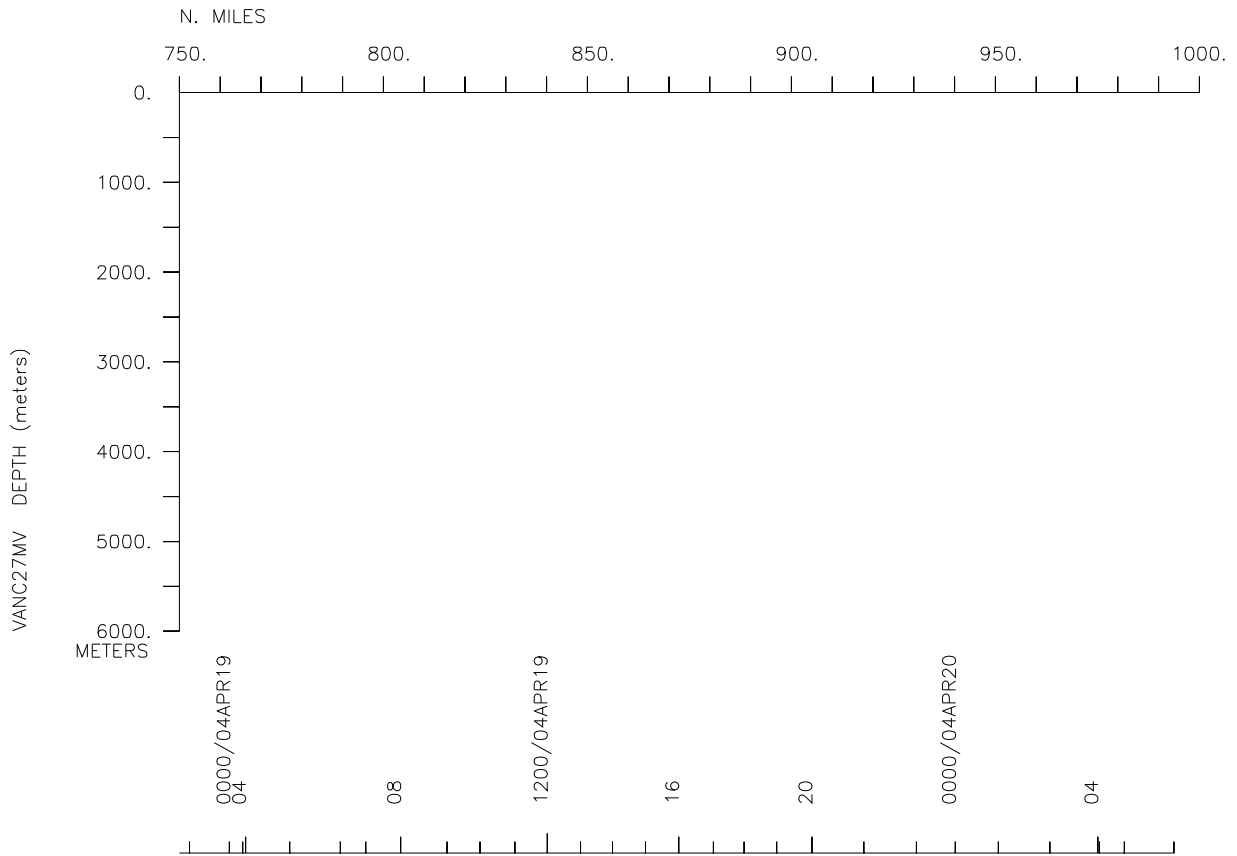
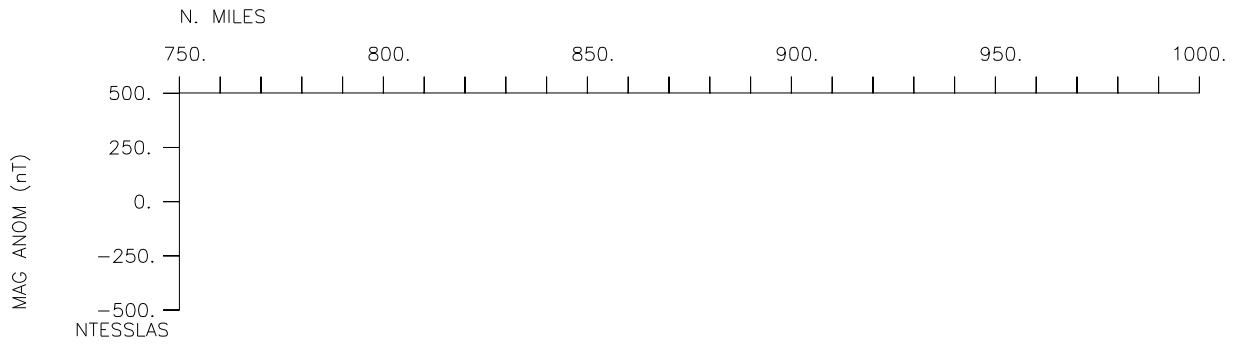
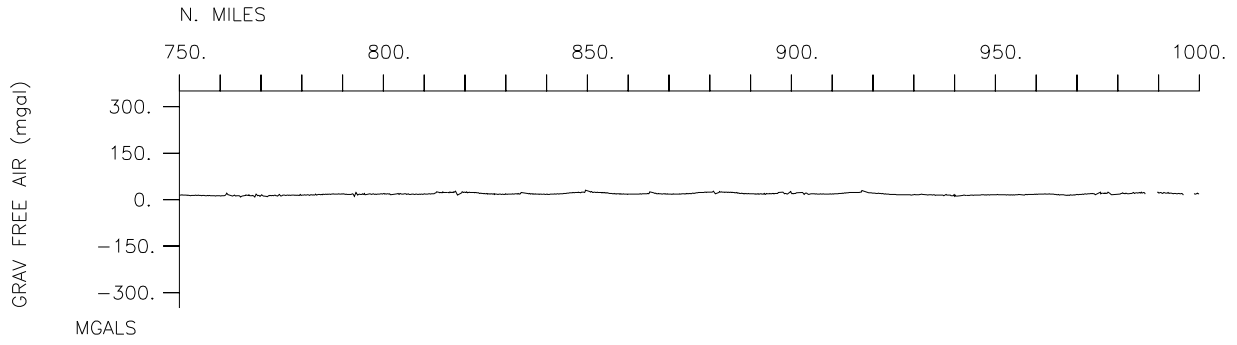
VANC27MV

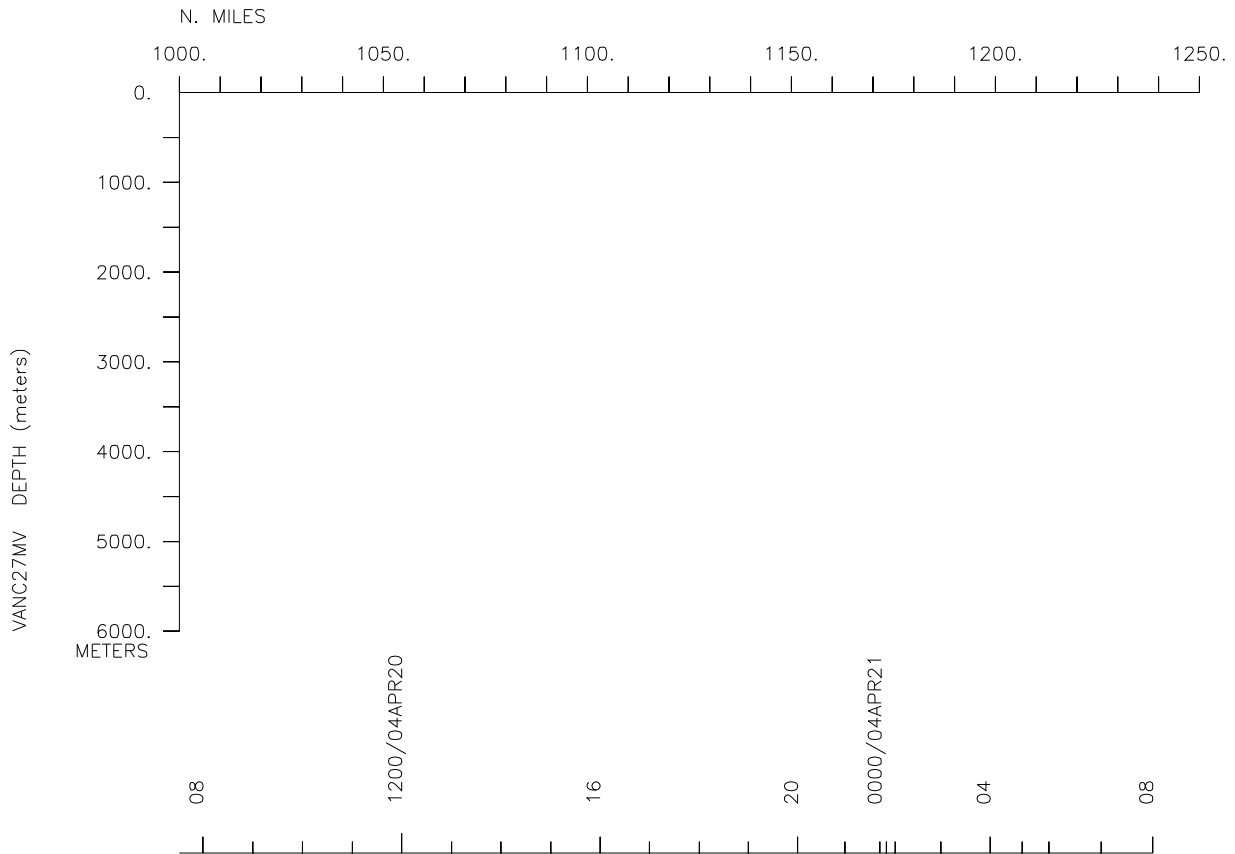
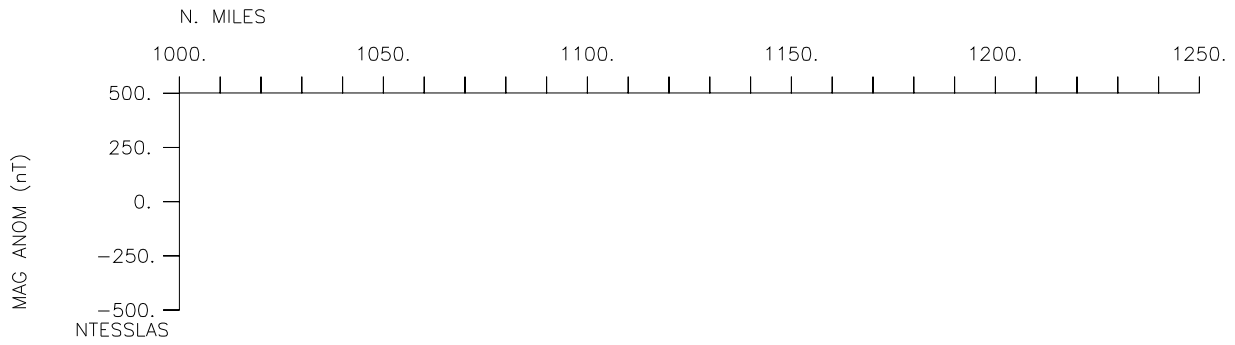
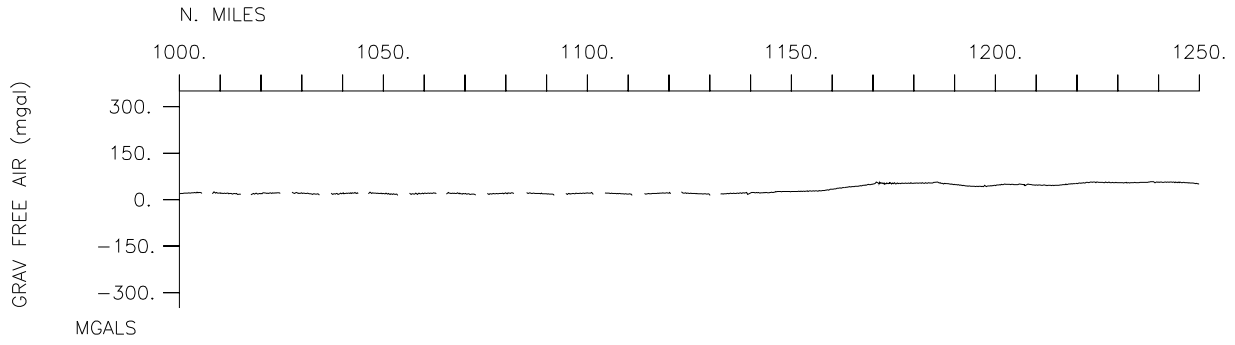


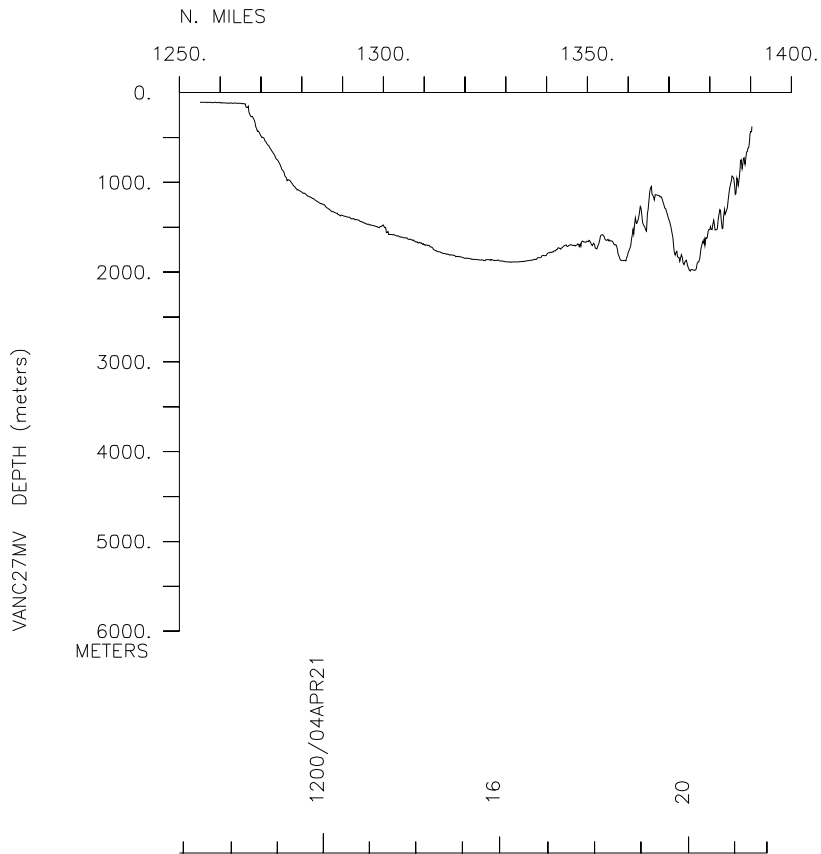
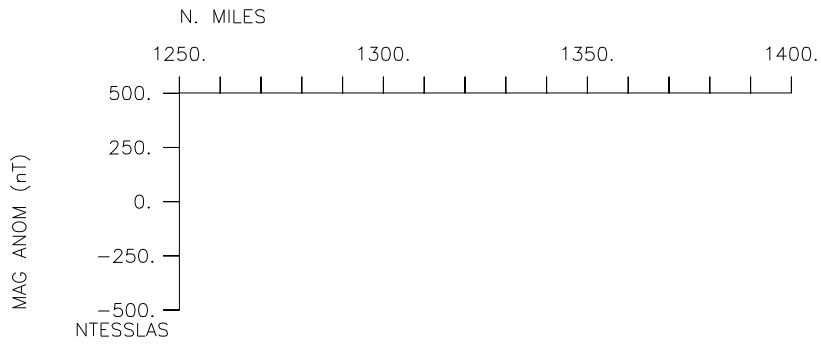
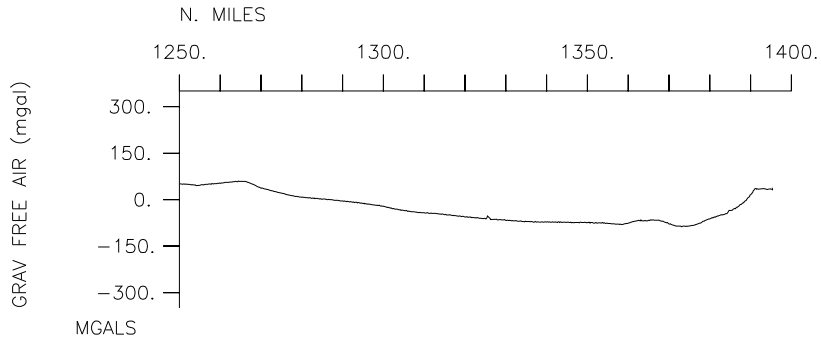












#*** Ports ***

```
0336 160404   LGPT B Cairns, Australia      16-55.00S 145-47.00E f VANC27MV
2230 210404   LGPT E Port Moresby, PNG           09-28.00S 147-09.00E f VANC27MV
```

#*** Personnel ***

```
#          *****NAME***** *****TITLE***** *****AFFILIATION***** **CRID**
#-----

PECS UWA  Ogston, A.           Chief Scientist      Univ. of Washington  VANC27MV
PEST UWA  Crockett, J.        Grad student         Univ. of Washington  VANC27MV
PECT STS  Moe, R.              Computer Tech        Scripps Institution  VANC27MV
PESP SIX  Naar, D.             Scientist            Univ. South Florida  VANC27MV
PEST SIX  Gaydos, D.          Grad student         Univ. South Florida  VANC27MV
PEST UWA  Palinkas, C.        Grad student         Univ. of Washington  VANC27MV
PEST UWA  Lomnicky, T.        Grad student         Univ. of Washington  VANC27MV
PEMT UWA  Feiger, G.           Technician           Univ. of Washington  VANC27MV
PEMT SIX  Monacci, N.         Technician           Univ. South Carolina VANC27MV
PEMT SIX  Donahue, B.         Technician           Univ. South Florida  VANC27MV
PEST SIX  Ciembronowiitcz, D. Grad student         Univ. South Florida  VANC27MV
PEST SIX  Wolfson, M.         Grad student         Univ. South Florida  VANC27MV
PERT STS  Ravenhill, G.       Resident Tech        Scripps Institution  VANC27MV
PESP SIX  Mead, R.             Scientist            Univ. South Carolina VANC27MV
PEMT UWA  Presto, M.            Technician           Univ. of Washington  VANC27MV
```

#*** 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 ***
```

#*** Log Books ***

```
0400 160404  0 LBUW B Underway log books   STS  16-56.05S 145-46.79E g VANC27MV
2230 210404  0 LBUW E Underway log books   STS   9-28.09S 147-08.26E g VANC27MV
```

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

```
0119 170404  0 MBSR B v.beam & sidescan   STS  16-25.93S 146-15.92E g VANC27MV
2230 210404  0 MBSR E v.beam & sidescan   STS   9-28.09S 147-08.26E g VANC27MV
```

#*** Digital Gravity ***

```
0400 160404  0 GVDD B digital gravity      GDC  16-56.05S 145-46.79E g VANC27MV
2219 210404  0 GVDD E digital gravity      GDC   9-28.13S 147-08.31E g VANC27MV
```

#*** Integrated Meteorological Acquisition System ***

```
0400 160404  0 IMET B Weather Measurements GDC  16-56.05S 145-46.79E g VANC27MV
2219 210404  0 IMET E Weather Measurements GDC   9-28.13S 147-08.31E g VANC27MV
```

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

*** Acoustic Doppler Current Profiler ***

0400	160404	0	ADCP	B	300khz Current Meas.	GDC	16-56.05S	145-46.79E	g	VANC27MV
2219	210404	0	ADCP	E	Current Measurements	GDC	9-28.13S	147-08.31E	g	VANC27MV

*** Hydrocast ***

2253	200404	0	HCNI		BLISP #1	72M UWA	9-07.49S	144-24.53E	g	VANC27MV
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*** Temperature, Conductivity, Depth ***

0710	160404	0	TDXX	SV	#1	SIX	16-46.44S	145-56.90E	g	VANC27MV
1525	180404	0	TDXX	SV	#2	SIX	8-47.87S	144-07.78E	g	VANC27MV
0649	190404	0	TDXX	SV	#3	SIX	8-46.92S	144-09.86E	g	VANC27MV
0504	200404	0	TDXX	SV	#4	SIX	9-01.00S	143-53.52E	g	VANC27MV
0500	210404	0	TDXX	SV	#5	SIX	9-38.67S	144-31.60E	g	VANC27MV

0342	190404	0	TDCT	CTD	#1	15M SIX	8-18.00S	144-15.49E	g	VANC27MV
2309	190404	0	TDCT	CTD	#2	14M SIX	8-34.53S	143-57.82E	g	VANC27MV
2225	200404	0	TDCT	CTD	#3	68M SIX	9-07.49S	144-24.53E	g	VANC27MV

*** Box Cores ***

2237	180404	0	COBX	BOX	#1	30M UWA	8-20.19S	144-17.73E	g	VANC27MV
2258	180404	0	COBX	BOX	#2	30M UWA	8-20.19S	144-17.72E	g	VANC27MV
2317	180404	0	COBX	BOX	#3	30M UWA	8-20.19S	144-17.72E	g	VANC27MV
0119	190404	0	COBX	BOX	#4	20M UWA	8-18.03S	144-15.50E	g	VANC27MV
0208	190404	0	COBX	BOX	#5	20M UWA	8-18.03S	144-15.51E	g	VANC27MV
0224	190404	0	COBX	BOX	#6	20M UWA	8-18.03S	144-15.51E	g	VANC27MV
2338	190404	0	COBX	BOX	#7	16M UWA	8-34.53S	143-57.81E	g	VANC27MV
2347	190404	0	COBX	BOX	#8	16M UWA	8-34.53S	143-57.81E	g	VANC27MV
0013	200404	0	COBX	BOX	#9	16M UWA	8-34.52S	143-57.82E	g	VANC27MV
2341	200404	0	COBX	BOX	#10	73M UWA	9-07.49S	144-24.53E	g	VANC27MV

*** Current Meter Sensors ***

2357	180404	0	CMXX		TRIPOD A	UWA	8-20.18S	144-17.69E	g	VANC27MV
0312	190404	0	CMXX		TRIPOD B	UWA	8-18.03S	144-15.51E	g	VANC27MV
0047	200404	0	CMXX		RUSTY Tripod	UWA	8-34.53S	143-57.82E	g	VANC27MV
0122	210404	0	CMXX		Mooring A	UWA	9-07.48S	144-24.53E	g	VANC27MV

#					End Sample Index					VANC27MV
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