

*Report and Index of
Underway Marine Geophysical Data*

Vancouver Expedition

Leg 30

(VANC30MV)

R/V Melville

(Issued Aug 2004)

Ports:

Port Moresby, Papua New Guinea (18-May-2004)
to
Cairns, Australia (26-May-2004)

Chief Scientist: Chuck Nittrouer
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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.

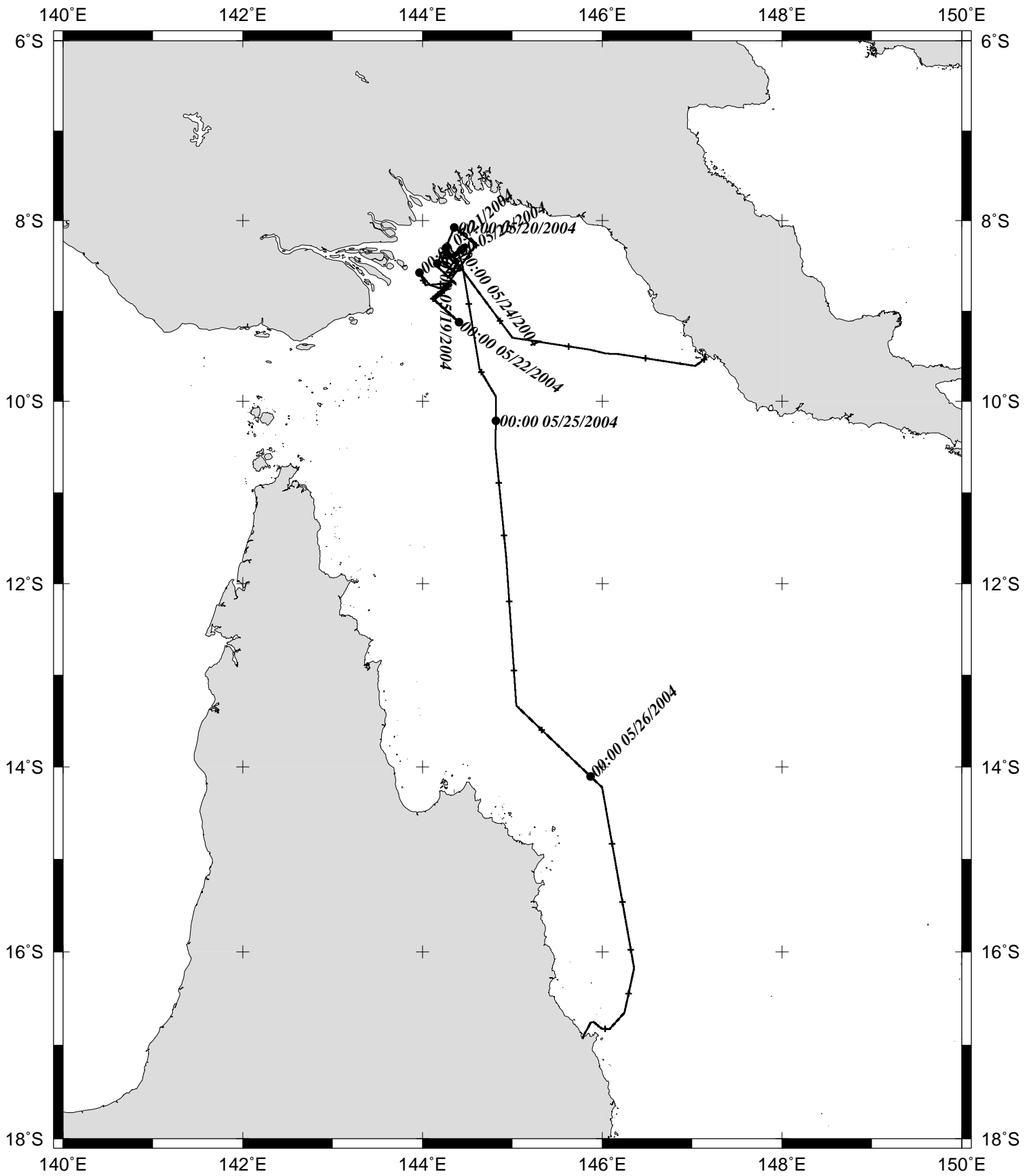
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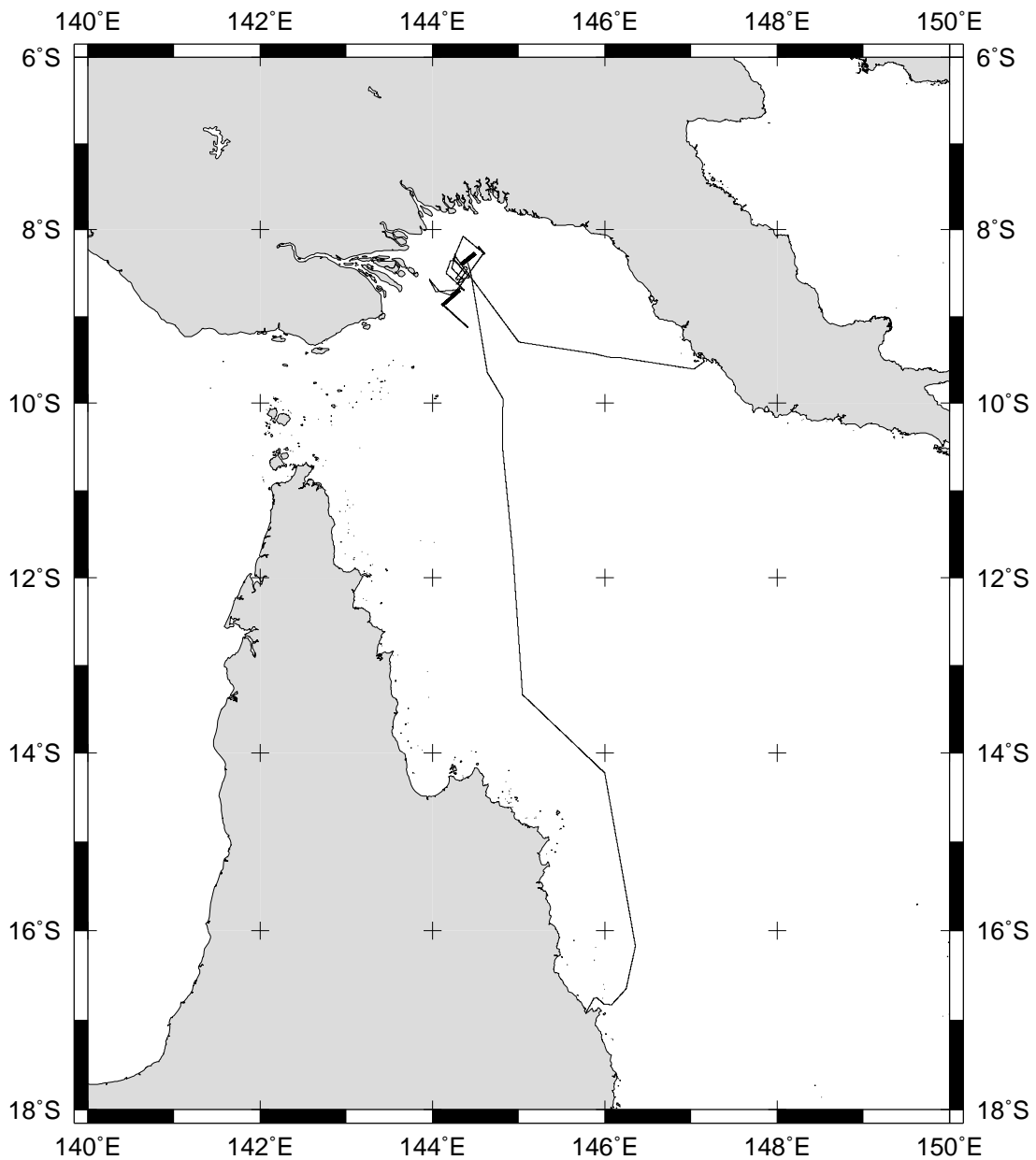
For information on the availability of this current digital data as well as archived digital data contact:

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

VANC30MV





VANCOUVER EXPEDITION LEG 30 (VANC30MV)

CHIEF SCIENTIST: Chuck Nittrouer, University of Washington

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

DATES: 18 - 26 May 2004

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-1859 miles

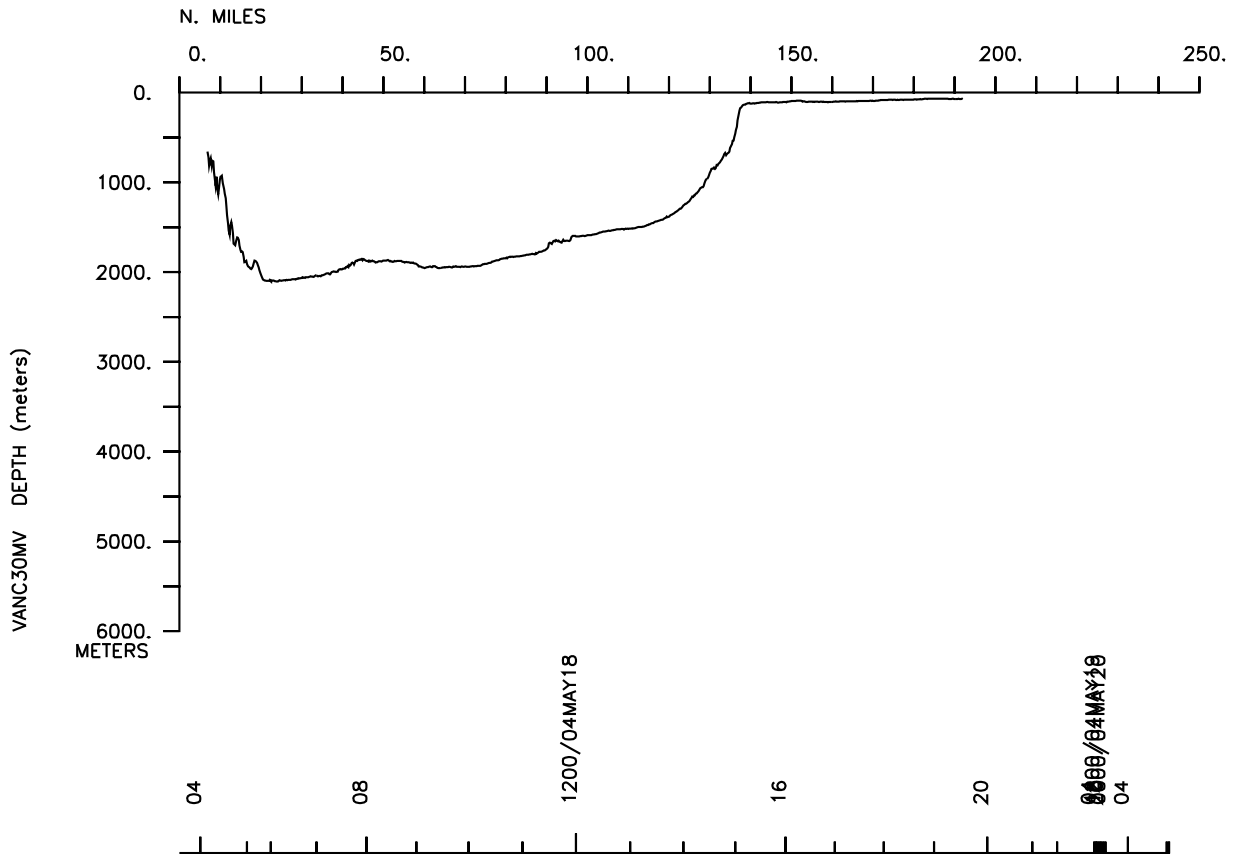
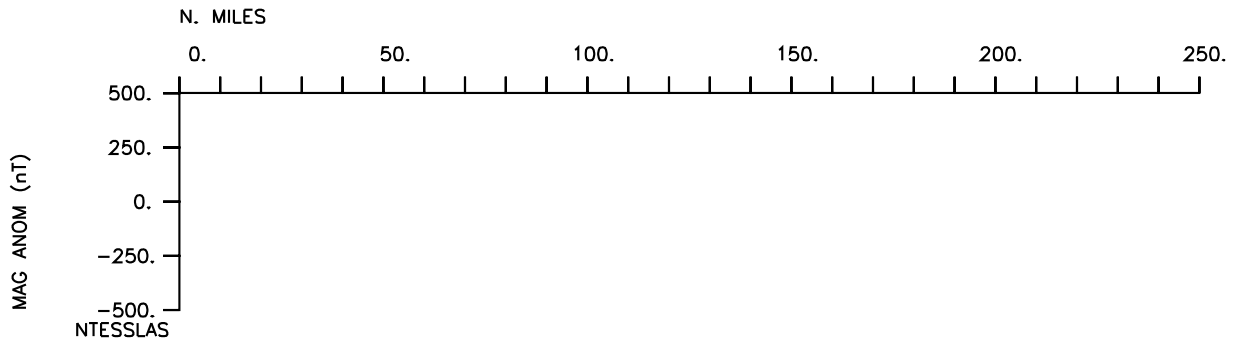
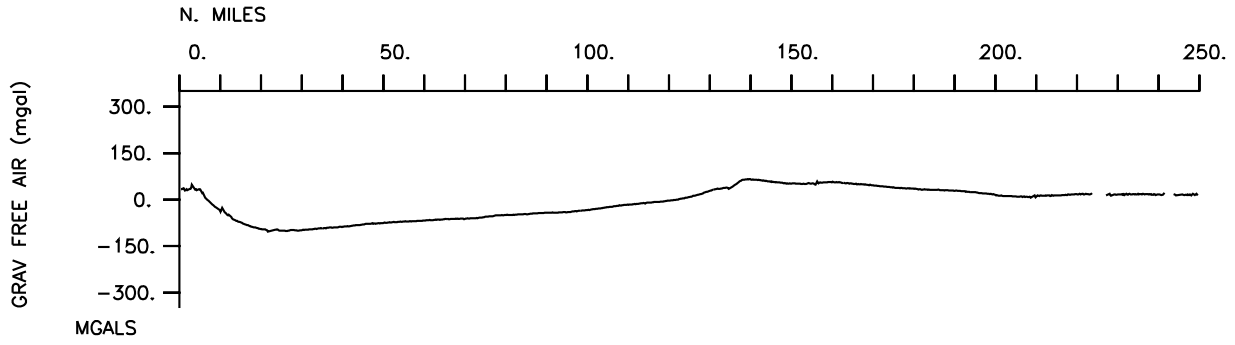
Magnetics-none collected

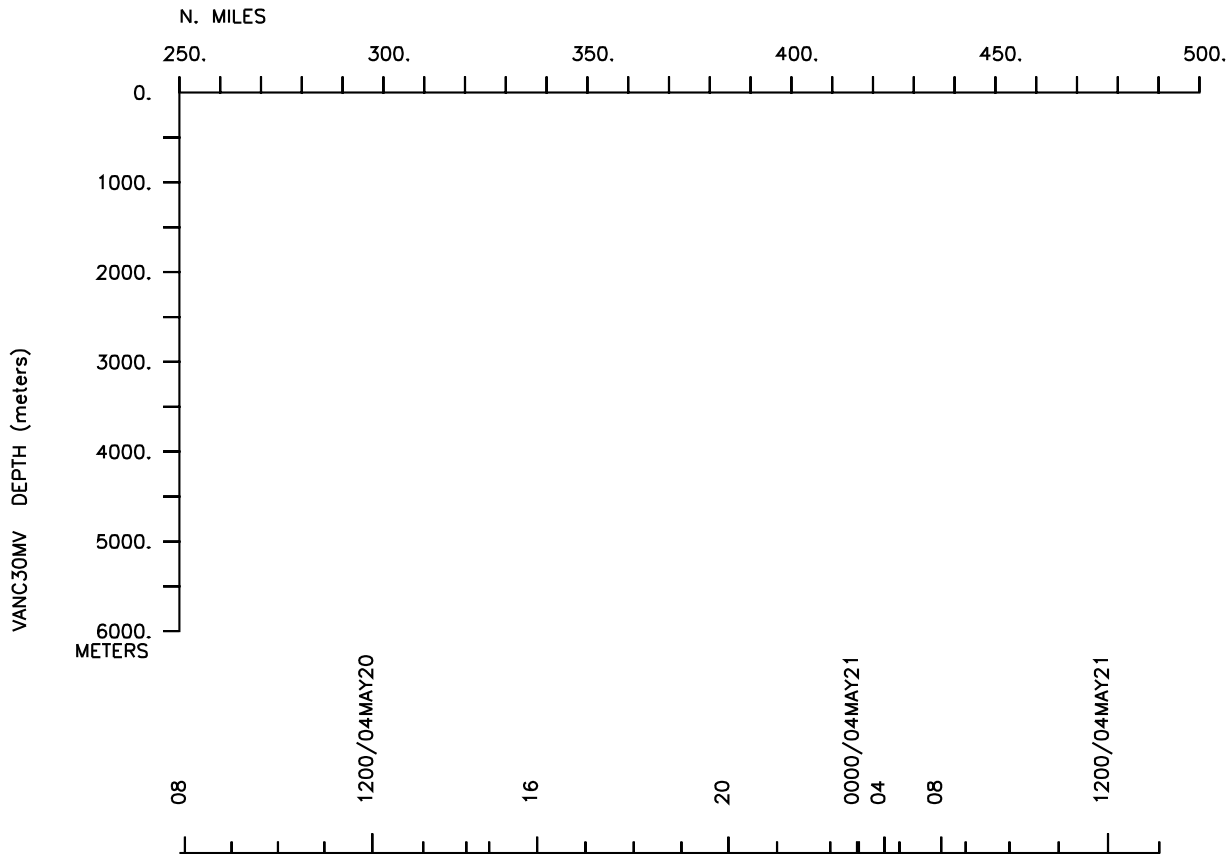
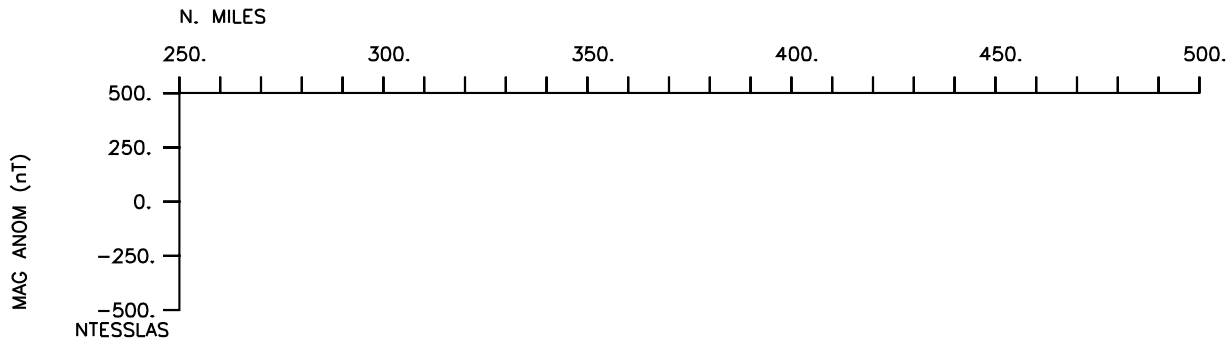
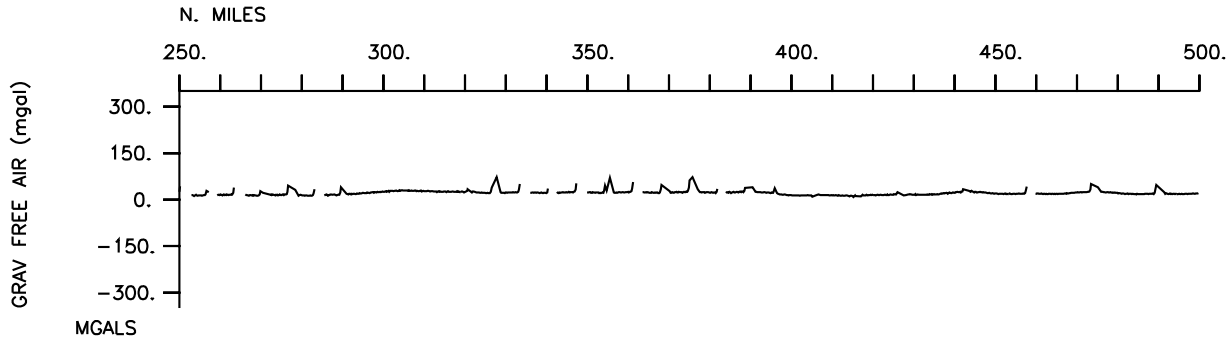
Bathymetry-641 miles

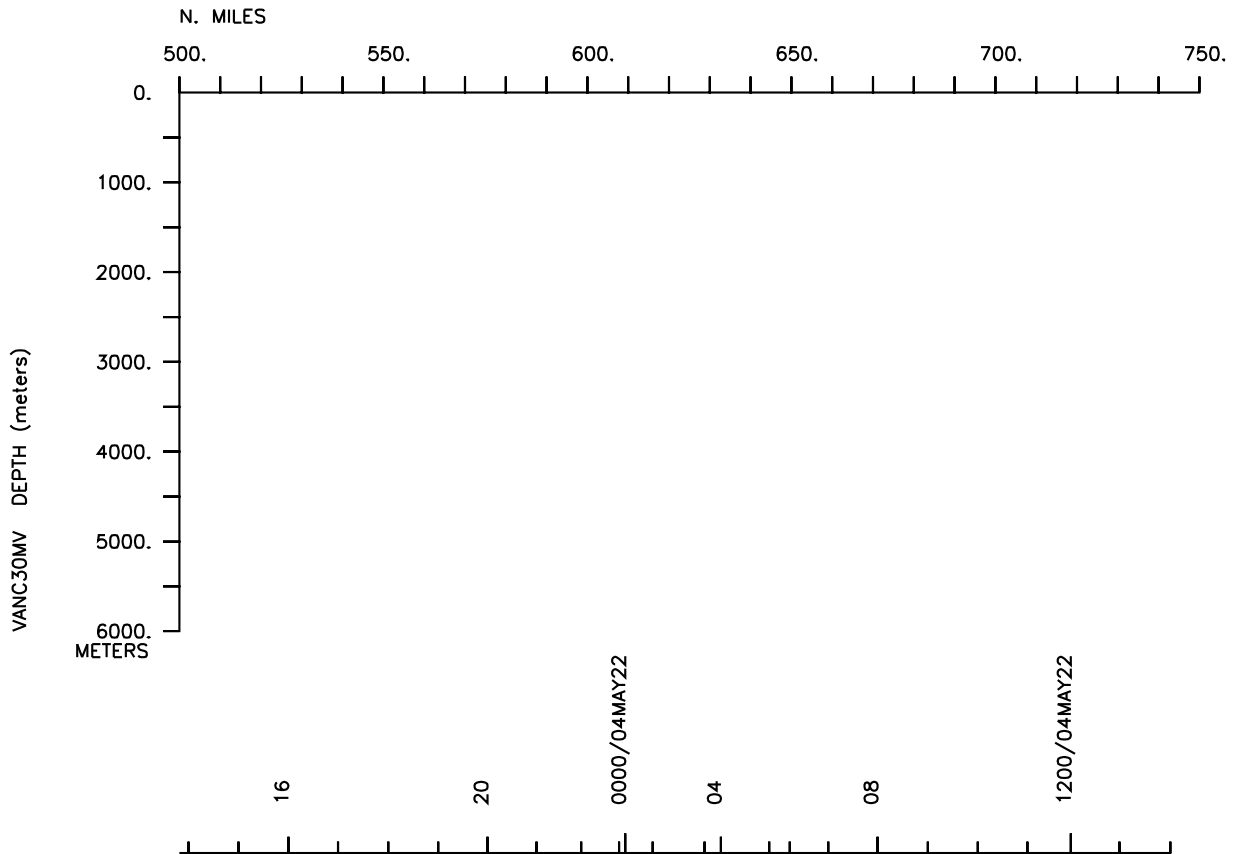
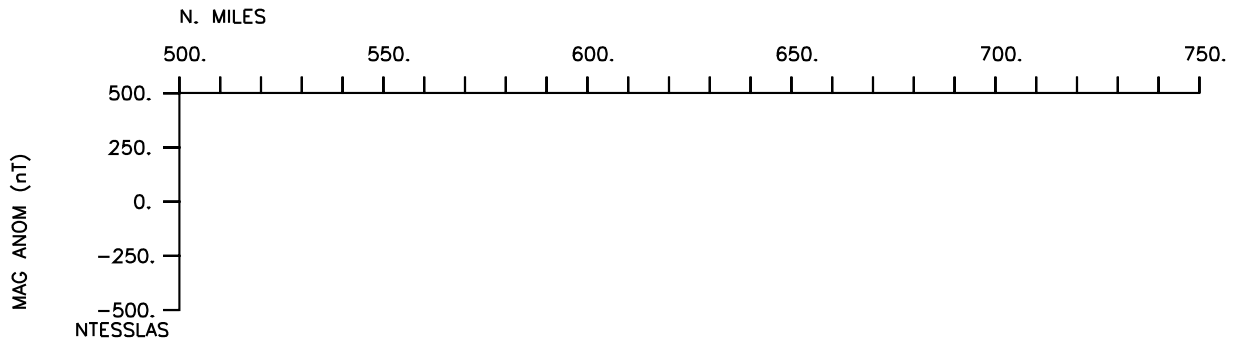
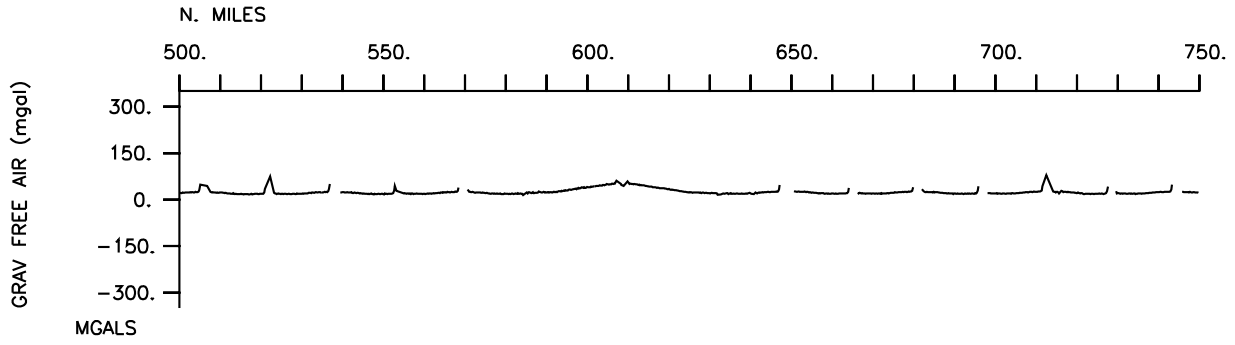
Seismic Reflection-none collected

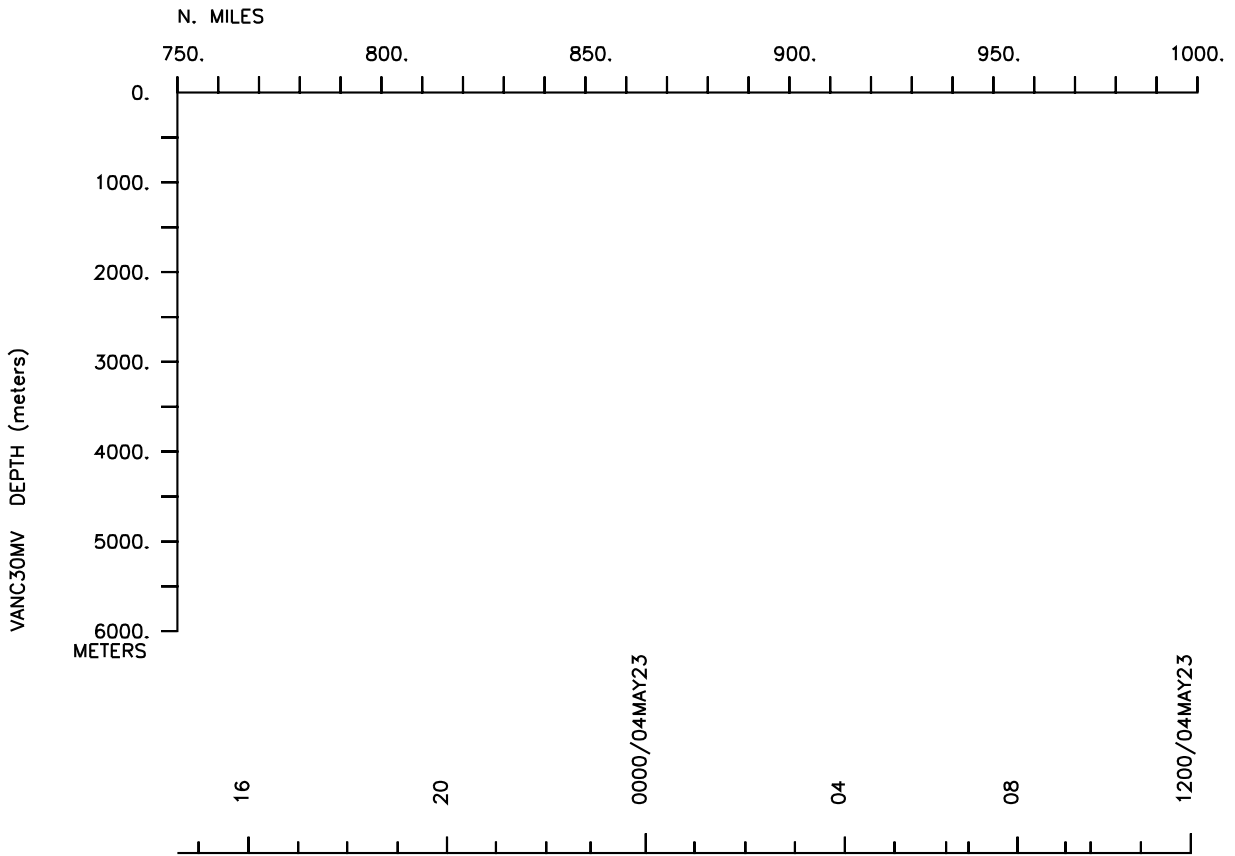
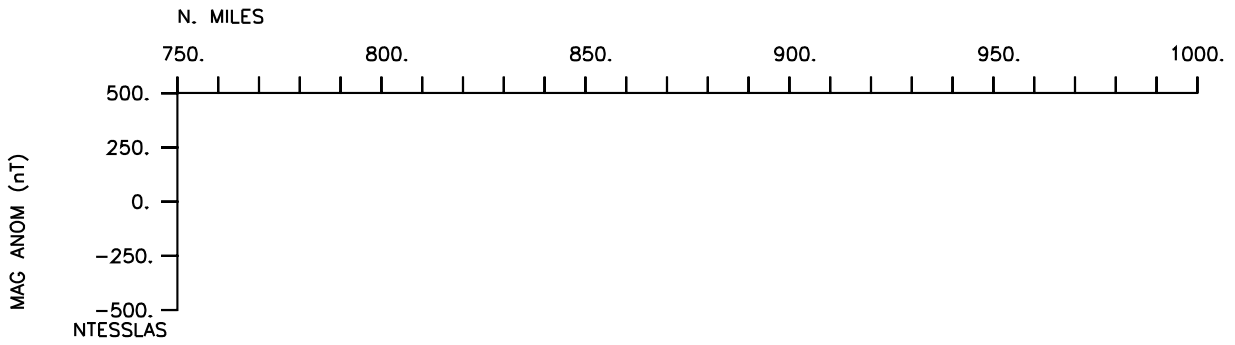
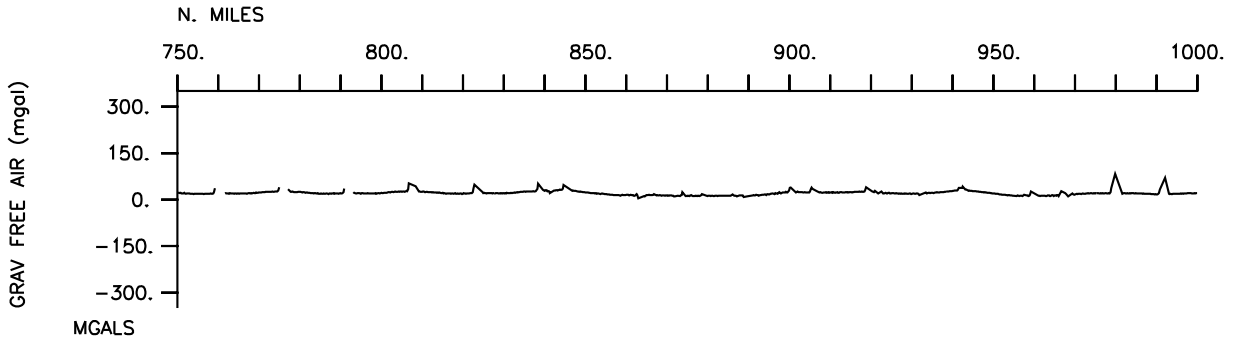
Multibeam-641 miles

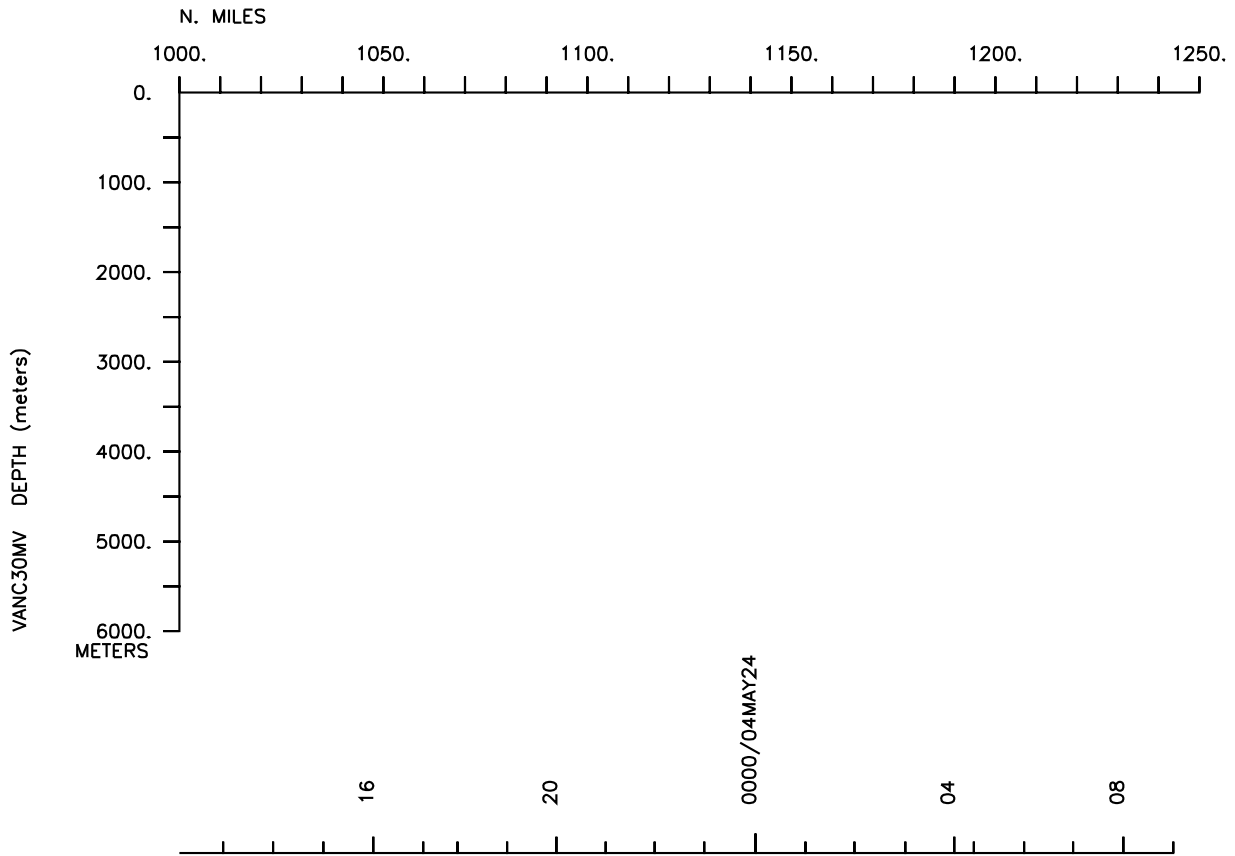
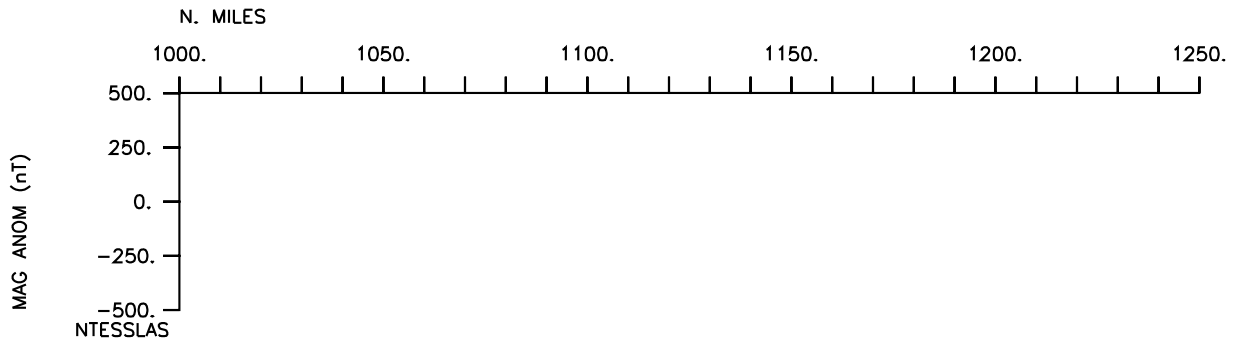
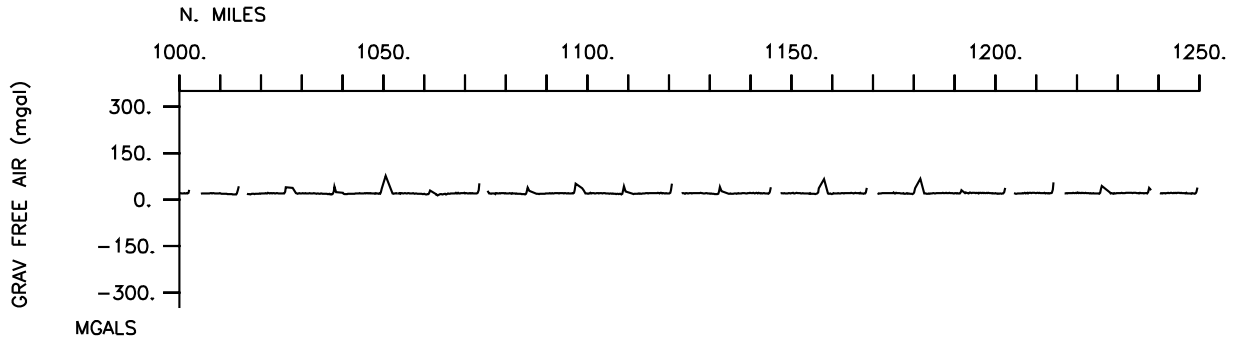
Gravity-1859 miles

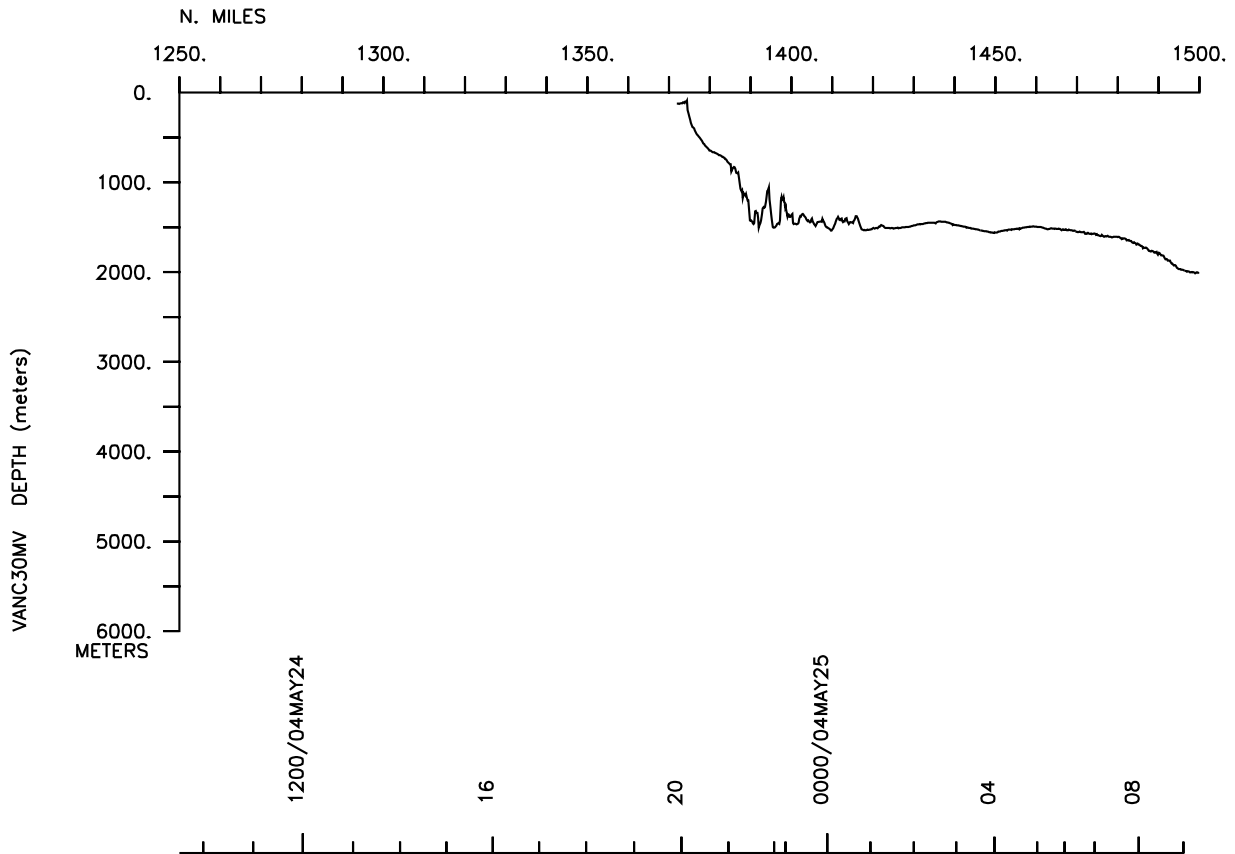
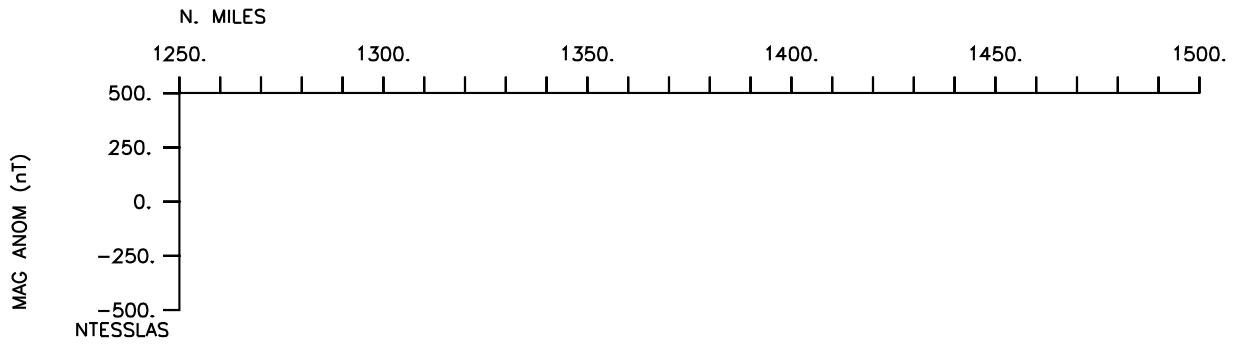
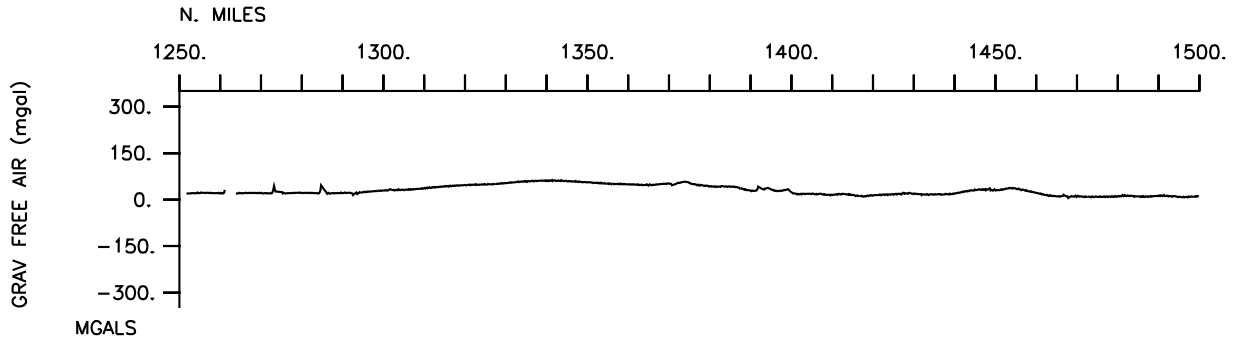


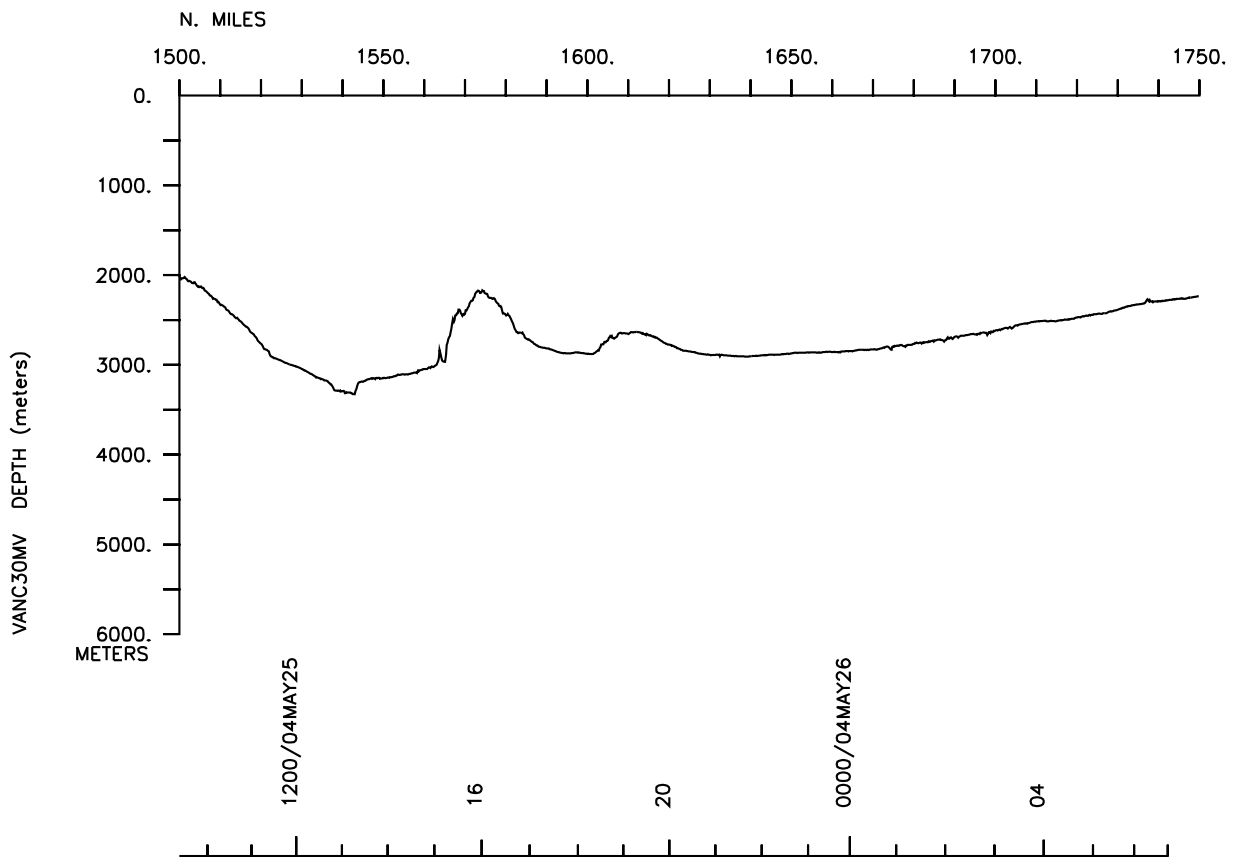
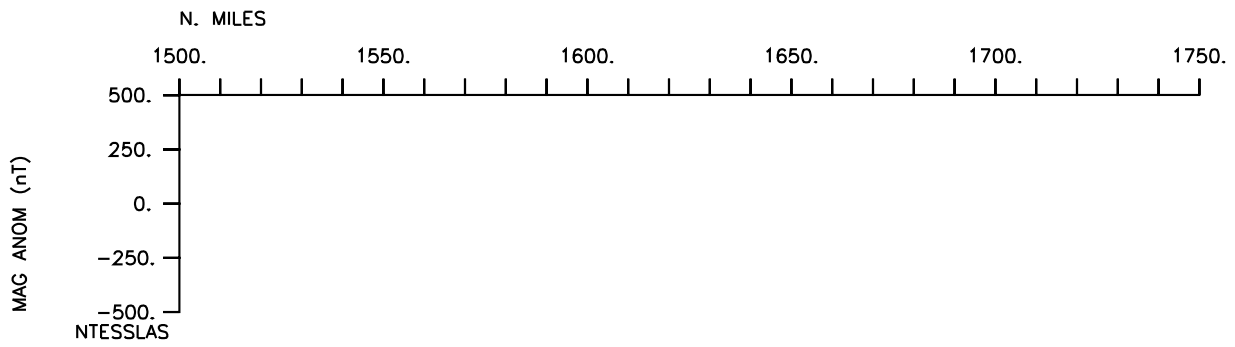
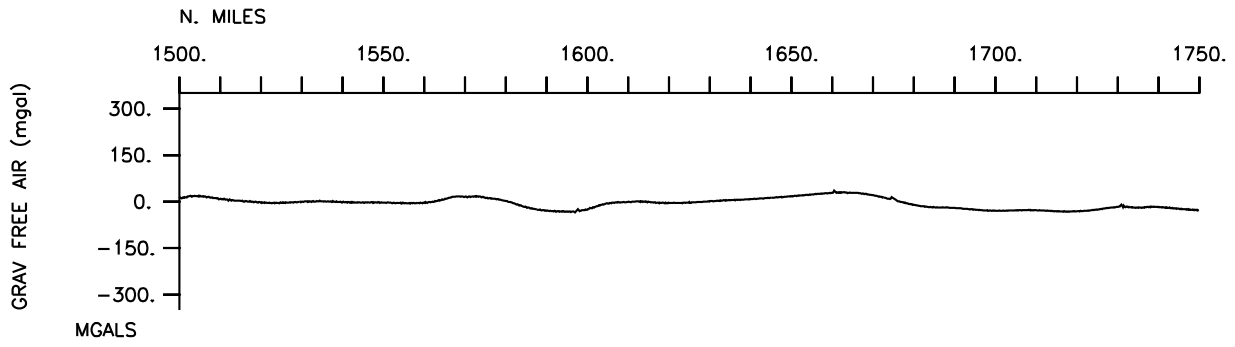


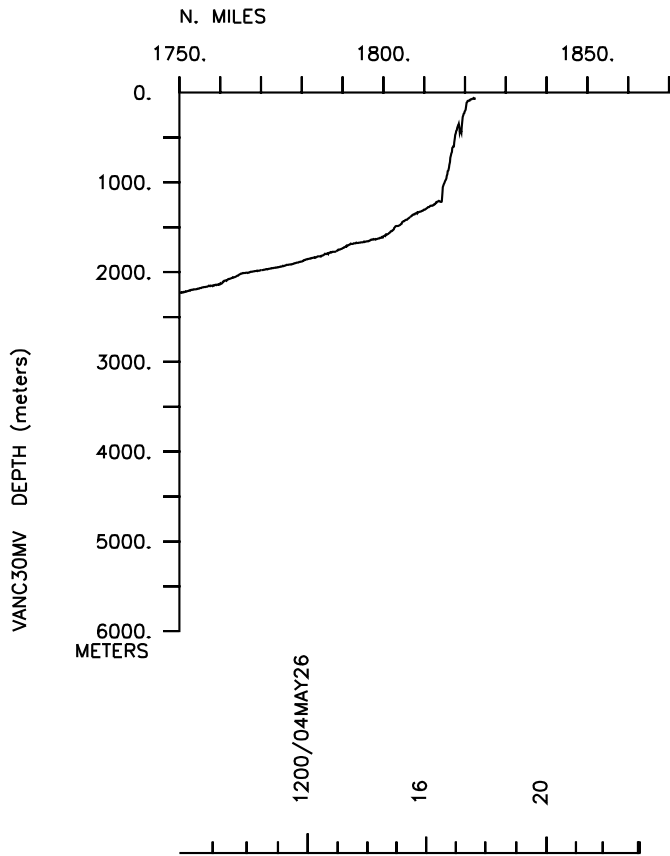
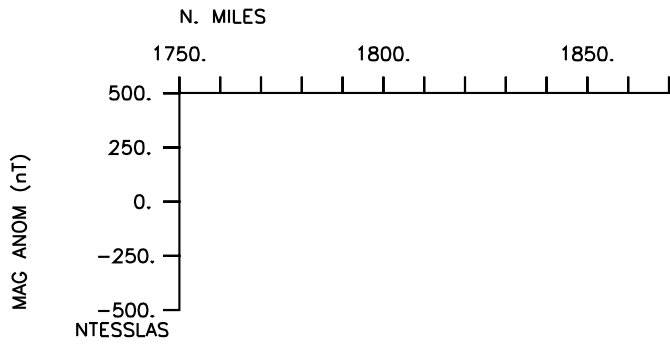
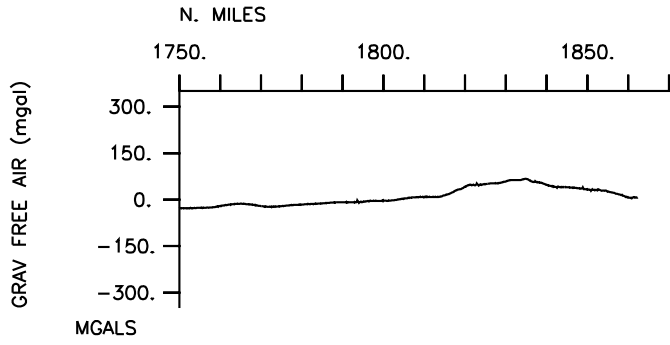












**** Ports ****

1200 180504 LGPT B Port Moresby, PNG. 09-28.00S 147-09.00E f VANC30MV
 2330 260504 LGPT E Cairns, Australia 16-55.00E 145-47.00S f VANC30MV

**** Personnel ****

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#-----
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PESP UWA Ogston, A. Scientist Univ. of Washington VANC30MV
PESP UWA Aller, J. Scientist Univ. of Washington VANC30MV
PEST UWA Abramson, L. Grad student Univ. of Washington VANC30MV
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PERT STS Ravenhill, G. Resident Tech Scripps Institution VANC30MV
PESP SIX Mead, R. Scientist Univ. South Carolina VANC30MV
PEMT UWA Presto, M. Technician Univ. of Washington VANC30MV
    
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**** 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) ****

0410 180504 0 MBSR B v.beam&sidescan GDC 9-33.31S 147-06.46E g VANC30MV
 1741 260504 0 MBSR E v.beam&sidescan GDC 16-38.91S 146-14.87E g VANC30MV

**** Echo Sounder Records ****

1200 180504 0 DPR3 B Echosounder 3.5kHz GDC 9-23.56S 145-37.60E g ANC30MV
 2330 260504 0 DPR3 E Echosounder 3.5kHz GDC 16-55.92S 145-46.79E g ANC30MV

**** Digital Gravity ****

1200 180504 0 GVDD B digital gravity GDC 9-23.56S 145-37.60E g VANC30MV
 2330 260504 0 GVDD E digital gravity GDC 16-55.92S 145-46.79E g VANC30MV

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

*** Integrated Meteorological Acquisition System ***

1200	180504	0	IMET	B	Weather Measurements	GDC	9-23.56S	145-37.60E	g	VANC30MV
2330	260504	0	IMET	E	Weather Measurements	GDC	16-55.92S	145-46.79E	g	VANC30MV

*** Acoustic Doppler Current Profiler ***

1200	180504	0	ADCP	B	300khz Current Meas.	GDC	9-23.56S	145-37.60E	g	VANC30MV
2330	260504	0	ADCP	E	300khz Current Meas.	GDC	16-55.92S	145-46.79E	g	VANC30MV

*** Hydrocasts ***

2325	180504	0	HCNI	BLISP	#201 20M	UWA	8-18.06S	144-15.54E	g	VANC30MV
0205	190504	0	HCNI	BLISP	#202 15M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0308	190504	0	HCNI	BLISP	#203 14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0407	190504	0	HCNI	BLISP	#204 15M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0508	190504	0	HCNI	BLISP	#205 13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0559	190504	0	HCNI	BLISP	#206 14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0652	190504	0	HCNI	BLISP	#207 13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0803	190504	0	HCNI	BLISP	#208 13M	UWA	8-04.53S	144-21.25E	g	VANC30MV
0904	190504	0	HCNI	BLISP	#209 15M	UWA	8-04.54S	144-21.25E	g	VANC30MV
1003	190504	0	HCNI	BLISP	#210 16M	UWA	8-04.54S	144-21.25E	g	VANC30MV
1100	190504	0	HCNI	BLISP	#211 15M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1202	190504	0	HCNI	BLISP	#212 16M	UWA	8-04.54S	144-21.27E	g	VANC30MV
1302	190504	0	HCNI	BLISP	#213 15M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1402	190504	0	HCNI	BLISP	#214 14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1500	190504	0	HCNI	BLISP	#215 14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1702	190504	0	HCNI	BLISP	#216 13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1804	190504	0	HCNI	BLISP	#217 13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1901	190504	0	HCNI	BLISP	#218 13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
2001	190504	0	HCNI	BLISP	#219 12M	UWA	8-04.54S	144-21.26E	g	VANC30MV
2101	190504	0	HCNI	BLISP	#220 13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
2201	190504	0	HCNI	BLISP	#221 14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
2302	190504	0	HCNI	BLISP	#222 12M	UWA	8-04.53S	144-21.26E	g	VANC30MV
0008	200504	0	HCNI	BLISP	#223 14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0105	200504	0	HCNI	BLISP	#224 12M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0208	200504	0	HCNI	BLISP	#225 14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0307	200504	0	HCNI	BLISP	#226 14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0206	210504	0	HCNI	BLISP	#227 16M	UWA	8-34.54S	143-57.82E	g	VANC30MV
0555	210504	0	HCNI	BLISP	#228 33M	UWA	8-42.97S	144-02.23E	g	VANC30MV

*** Conductivity, Temperature, Depth ***

*** Samples to University of South Florida ***

0509	200504	0	TDXX	SV	#24	SIX	8-14.06S	144-32.95E	g	VANC30MV
1407	200504	0	TDXX	SV	#25	SIX	8-40.69S	144-17.64E	g	VANC30MV
0846	210504	0	TDXX	SV	#26	SIX	8-41.53S	144-18.12E	g	VANC30MV
0334	220504	0	TDXX	SV	#27	SIX	8-52.07S	144-07.00E	g	VANC30MV
0914	230504	0	TDXX	SV	#28	SIX	8-23.23S	144-19.84E	g	VANC30MV

0545	180504	0	TDCT	CTD	#132 150M	SIX	9-35.18S	146-52.22E	g	VANC30MV
0218	190504	0	TDCT	CTD	#133 09M	SIX	8-04.54S	144-21.26E	g	VANC30MV
0417	190504	0	TDCT	CTD	#134 09M	SIX	8-04.54S	144-21.26E	g	VANC30MV
0608	190504	0	TDCT	CTD	#135 08M	SIX	8-04.54S	144-21.26E	g	VANC30MV
0813	190504	0	TDCT	CTD	#136 09M	SIX	8-04.52S	144-21.22E	g	VANC30MV
1014	190504	0	TDCT	CTD	#137 10M	SIX	8-04.54S	144-21.25E	g	VANC30MV
1214	190504	0	TDCT	CTD	#138 10M	SIX	8-04.54S	144-21.24E	g	VANC30MV
1515	190504	0	TDCT	CTD	#139 11M	SIX	8-04.54S	144-21.26E	g	VANC30MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	---	---	---	-----	---	-----	-----	-----	---	-----
1814	190504	0	TDCT	CTD #140	10M	SIX	8-04.54S	144-21.26E	g	VANC30MV
2011	190504	0	TDCT	CTD #141	09M	SIX	8-04.54S	144-21.26E	g	VANC30MV
2211	190504	0	TDCT	CTD #142	10M	SIX	8-04.54S	144-21.26E	g	VANC30MV
0022	200504	0	TDCT	CTD #143	10M	SIX	8-04.54S	144-21.26E	g	VANC30MV
0219	200504	0	TDCT	CTD #144	08M	SIX	8-04.54S	144-21.26E	g	VANC30MV
0036	220504	0	TDCT	CTD #145	62M	SIX	9-07.45S	144-24.21E	g	VANC30MV
0636	230504	0	TDCT	CTD #146	62M	SIX	8-33.13S	144-25.74E	g	VANC30MV
0426	240504	0	TDCT	CTD #147	49M	SIX	8-17.27S	144-29.18E	g	VANC30MV
2239	240504	0	TDCT	CTD #148	150M	SIX	10-03.40S	144-48.91E	g	VANC30MV

**** Box Cores ****

2339	180504	0	COBX	BOX #136	20M	UWA	8-18.06S	144-15.54E	g	VANC30MV
2356	180504	0	COBX	BOX #137	20M	UWA	8-18.06S	144-15.54E	g	VANC30MV
0013	190504	0	COBX	BOX #138	19M	UWA	8-18.06S	144-15.54E	g	VANC30MV
0321	190504	0	COBX	BOX #139	14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0517	190504	0	COBX	BOX #140	15M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0703	190504	0	COBX	BOX #141	13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0913	190504	0	COBX	BOX #142	13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1109	190504	0	COBX	BOX #143	16M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1312	190504	0	COBX	BOX #144	16M	UWA	8-04.53S	144-21.27E	g	VANC30MV
1529	190504	0	COBX	BOX #145	15M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1716	190504	0	COBX	BOX #146	12M	UWA	8-04.54S	144-21.26E	g	VANC30MV
1912	190504	0	COBX	BOX #147	10M	UWA	8-04.54S	144-21.26E	g	VANC30MV
2111	190504	0	COBX	BOX #148	10M	UWA	8-04.54S	144-21.26E	g	VANC30MV
2309	190504	0	COBX	BOX #149	15M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0116	200504	0	COBX	BOX #150	14M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0318	200504	0	COBX	BOX #151	13M	UWA	8-04.54S	144-21.26E	g	VANC30MV
0524	200504	0	COBX	BOX #152	62M	UWA	8-14.06S	144-32.95E	g	VANC30MV
0541	200504	0	COBX	BOX #153	62M	UWA	8-14.06S	144-32.95E	g	VANC30MV
0606	200504	0	COBX	BOX #154	57M	UWA	8-14.06S	144-32.95E	g	VANC30MV
0218	210504	0	COBX	BOX #155	15M	UWA	8-34.53S	143-57.81E	g	VANC30MV
0235	210504	0	COBX	BOX #156	15M	UWA	8-34.54S	143-57.81E	g	VANC30MV
0253	210504	0	COBX	BOX #157	15M	UWA	8-34.54S	143-57.81E	g	VANC30MV
0307	210504	0	COBX	BOX #158	15M	UWA	8-34.54S	143-57.82E	g	VANC30MV
0608	210504	0	COBX	BOX #159	31M	UWA	8-42.97S	144-02.23E	g	VANC30MV
0623	210504	0	COBX	BOX #160	34M	UWA	8-42.97S	144-02.23E	g	VANC30MV
0641	210504	0	COBX	BOX #161	35M	UWA	8-42.97S	144-02.23E	g	VANC30MV
0104	220504	0	COBX	BOX #162	70M	UWA	9-07.44S	144-24.21E	g	VANC30MV

**** Kasten Core ****

0646	200504	0	COKS	Kstn #5	58M	UWA	8-13.90S	144-33.25E	g	VANC30MV
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**** Current Meter ****

**** Samples to University of South Florida ****

2245	180504	0	CMXX	recovered		SIX	8-18.06S	144-15.54E	g	VANC30MV
0132	210504	0	CMXX	recovered		SIX	8-34.54S	143-57.81E	g	VANC30MV
0537	210504	0	CMXX	recovered		SIX	8-42.97S	144-02.23E	g	VANC30MV
0010	220504	0	CMXX	recovered		SIX	9-07.44S	144-24.17E	g	VANC30MV

**** Expendable Bathythermographs ****

0622	180504	0	BTXP	MK21 # 19	Fast_Deep	GDC	9-34.50S	146-48.98E	g	VANC30MV
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**** End Sample Index VANC30MV