

*Report and Index of
Underway Marine geophysical Data*

Vancouver Expedition

Leg 11

(VANC11MV)

R/V Melville

(Issued Aug 2003)

Ports:

Port Hedland, Australia (18-JUN-03)
to
Darwin, Australia (16-JUL-03)

Chief Scientist: Ken Brink
Woods Hole Oceanographic Institution
kbrink@whoi.edu

Computer Tech - Steve Foley
Resident Tech - Tracy Engstrom

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. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

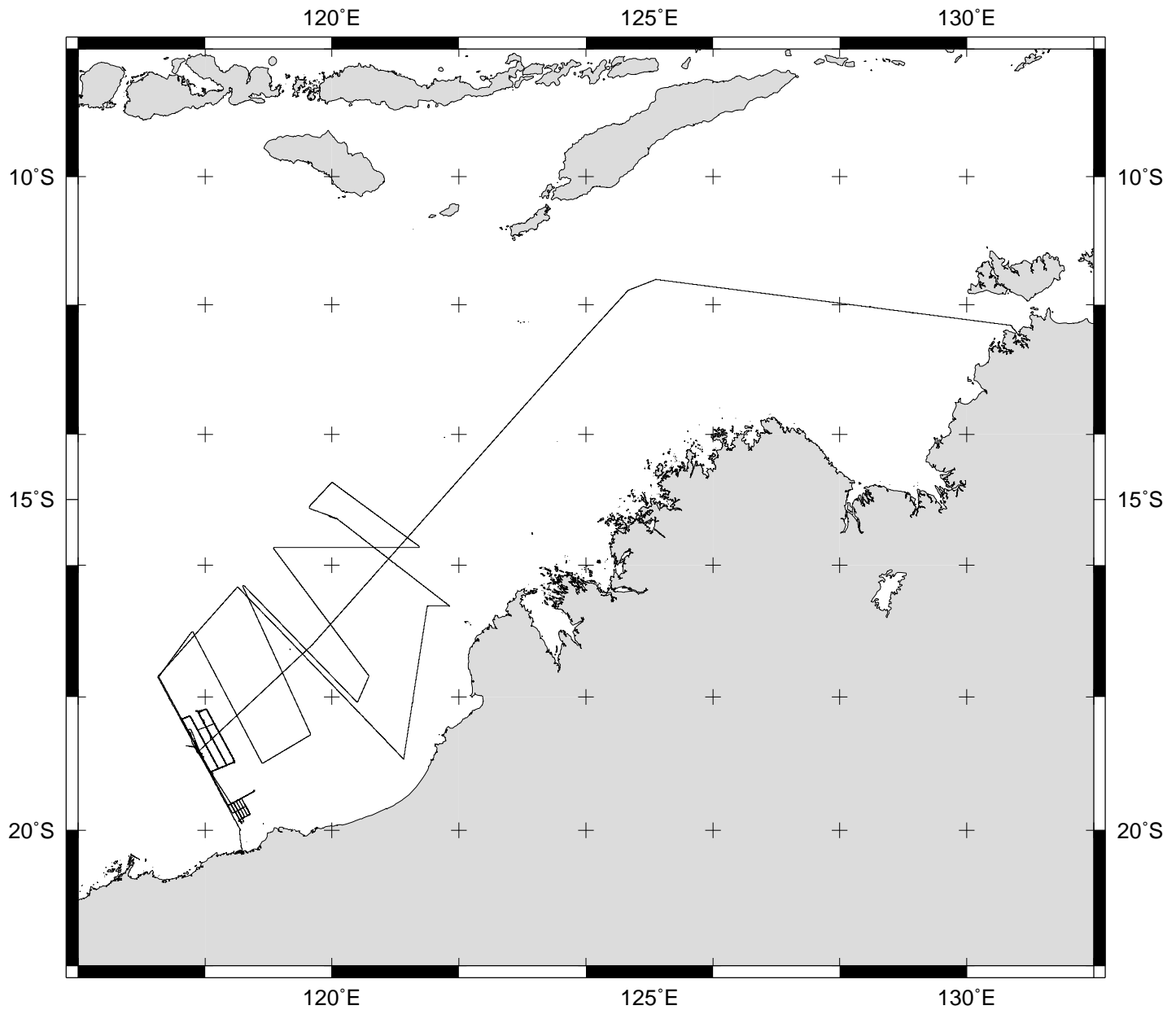
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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 05/2002



VANCOUVER EXPEDITION LEG 11(VANC11MV)

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CHIEF SCIENTIST: Ken Brink, Woods Hole

PORTS: Pt. Hedland - Darwin, Australia

DATES: 18 June - 16 July 2003

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-4876 miles

Magnetics-none collected

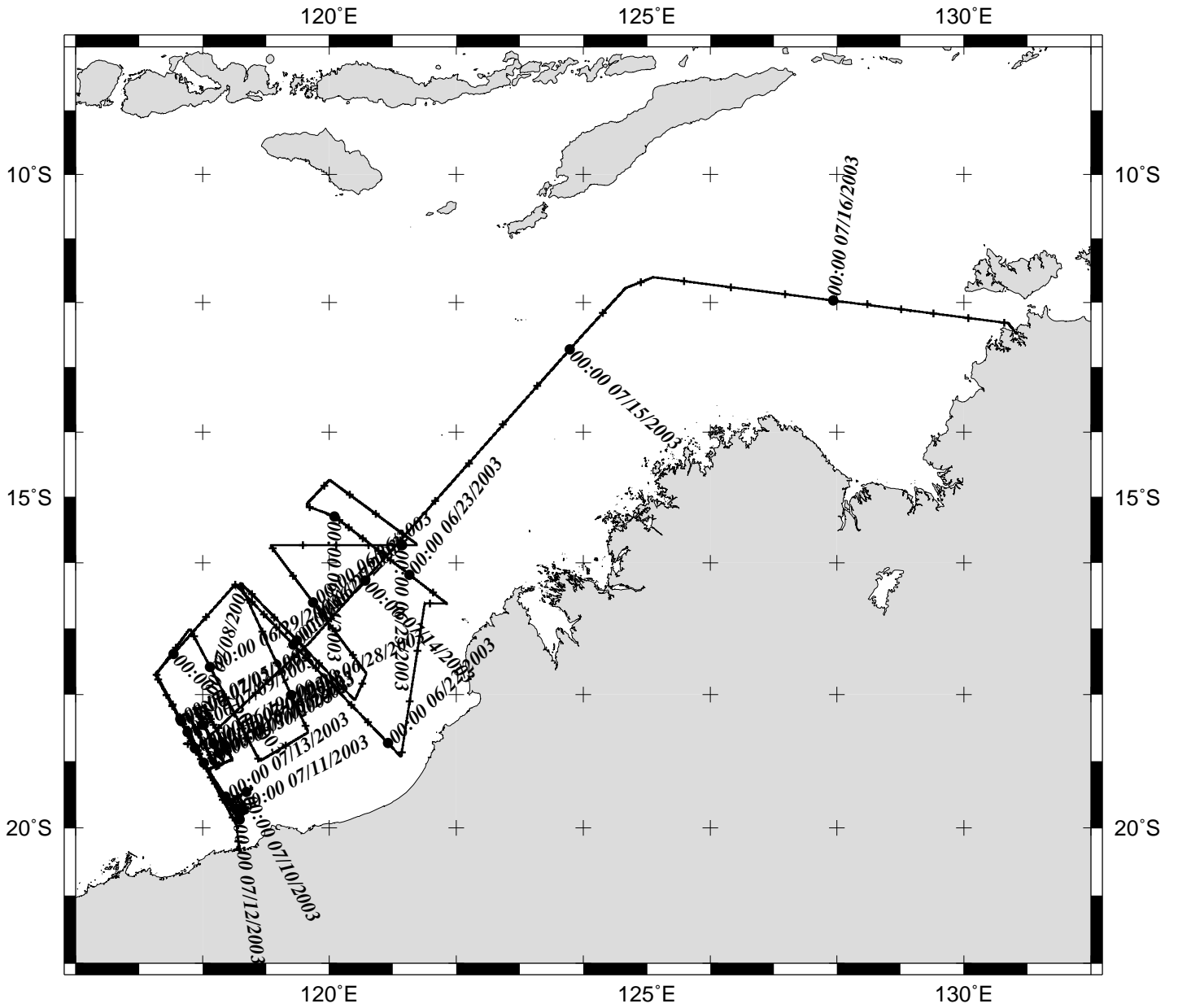
Bathymetry-3997 miles

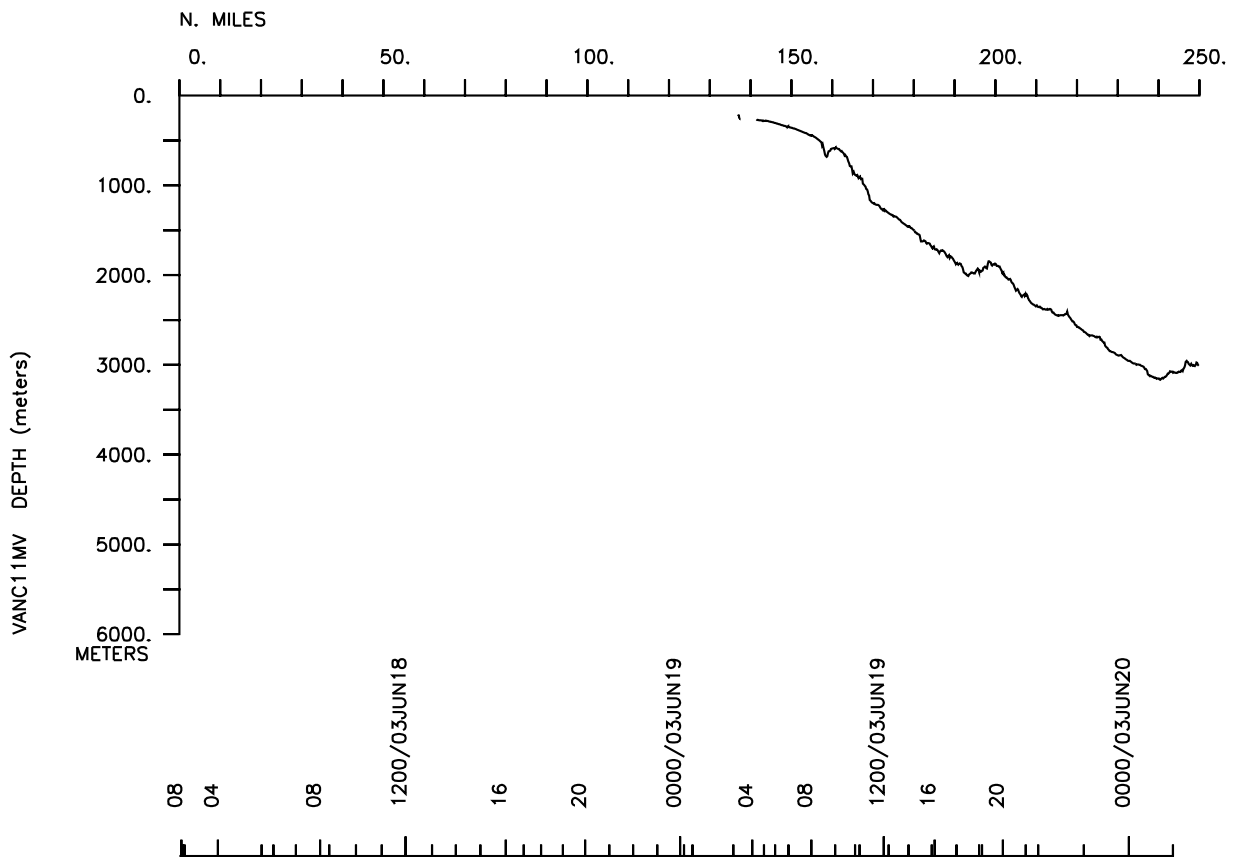
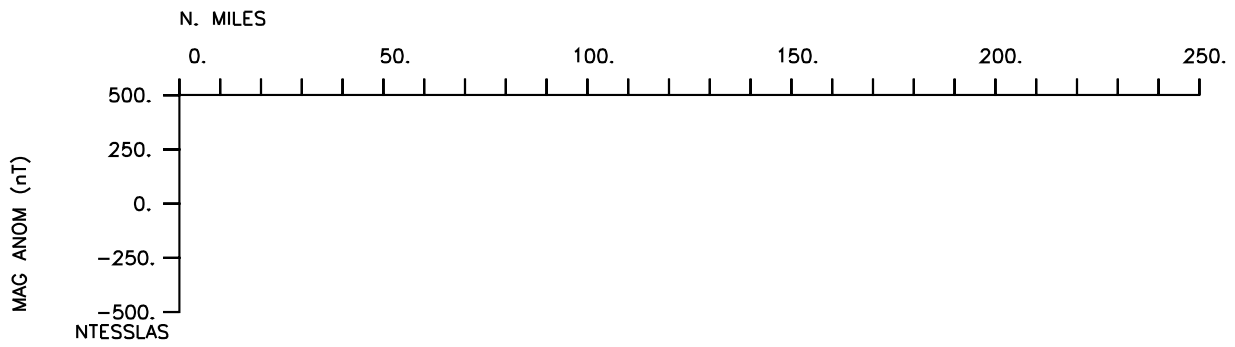
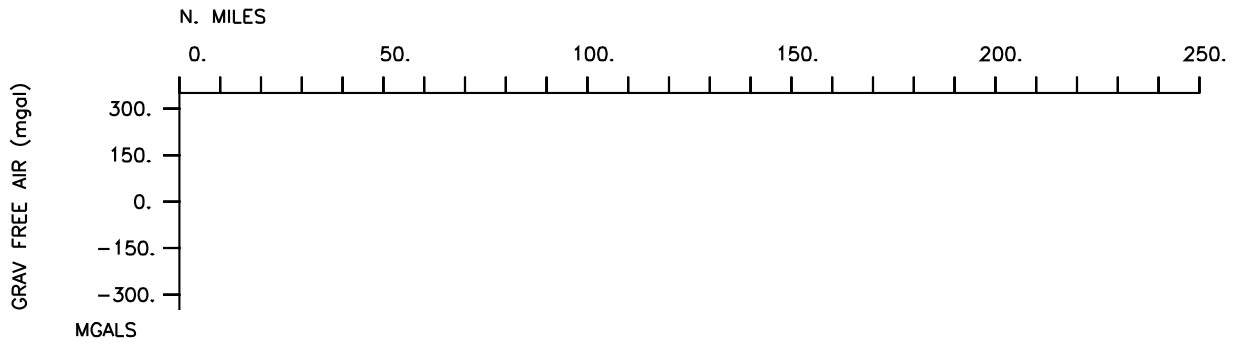
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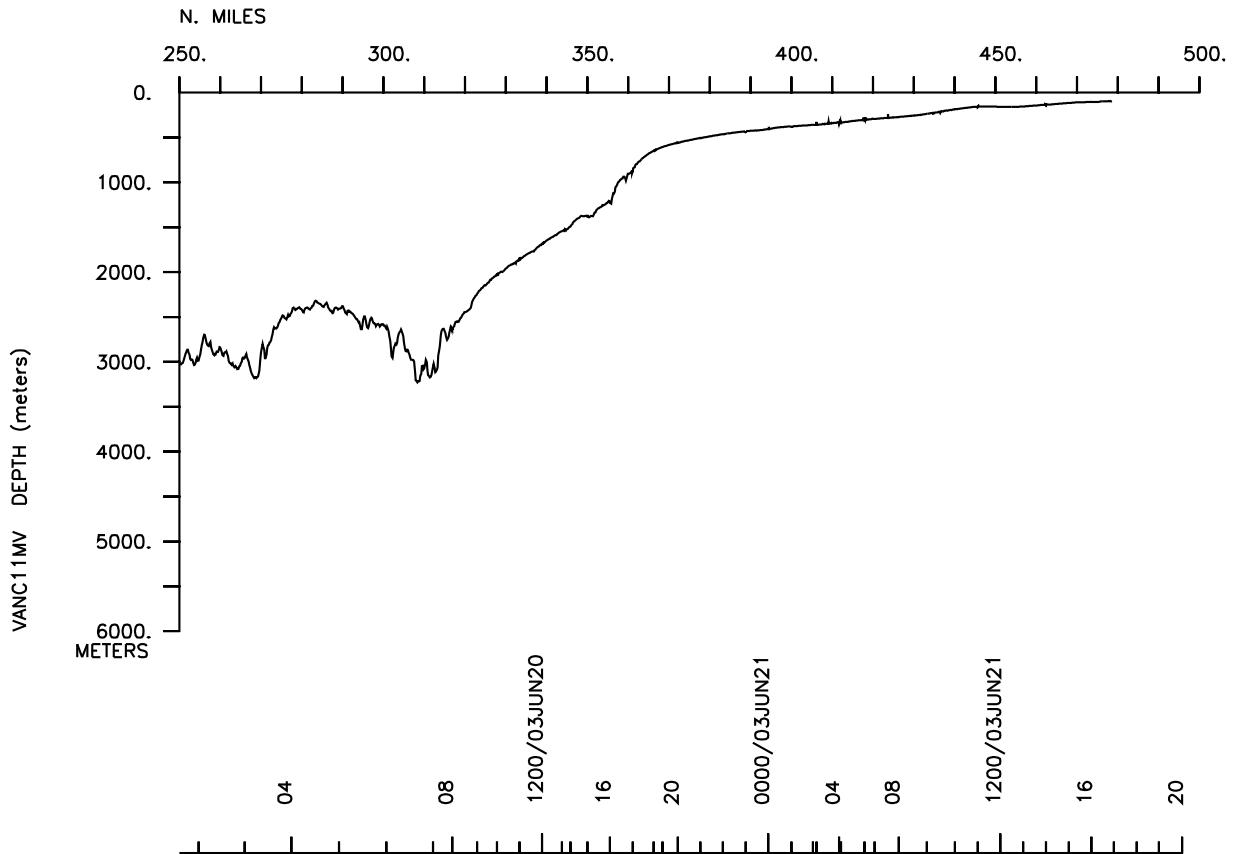
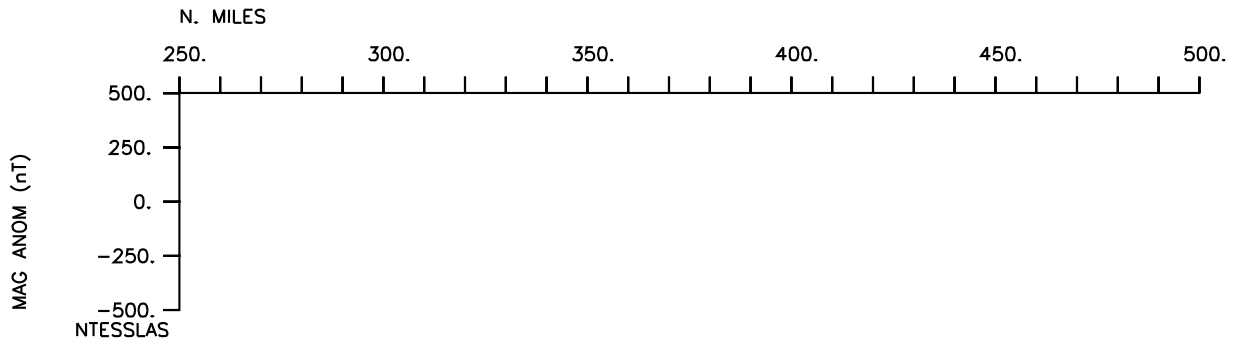
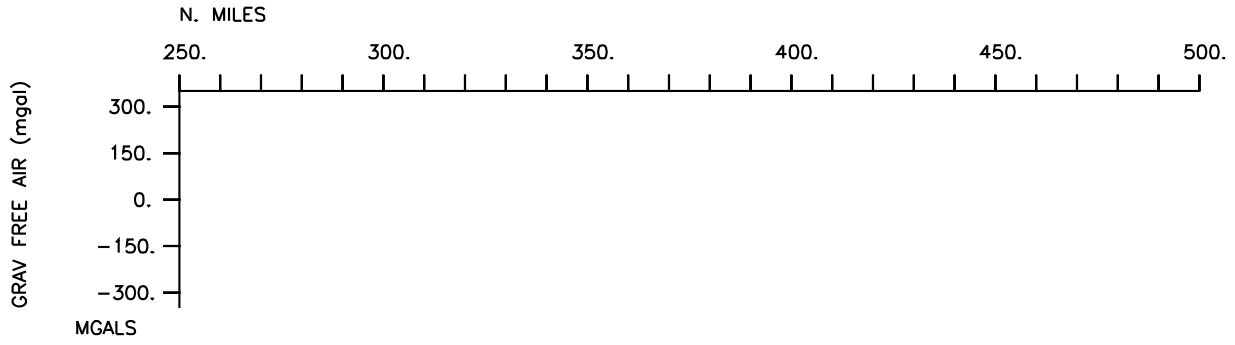
Multibeam-3997 miles

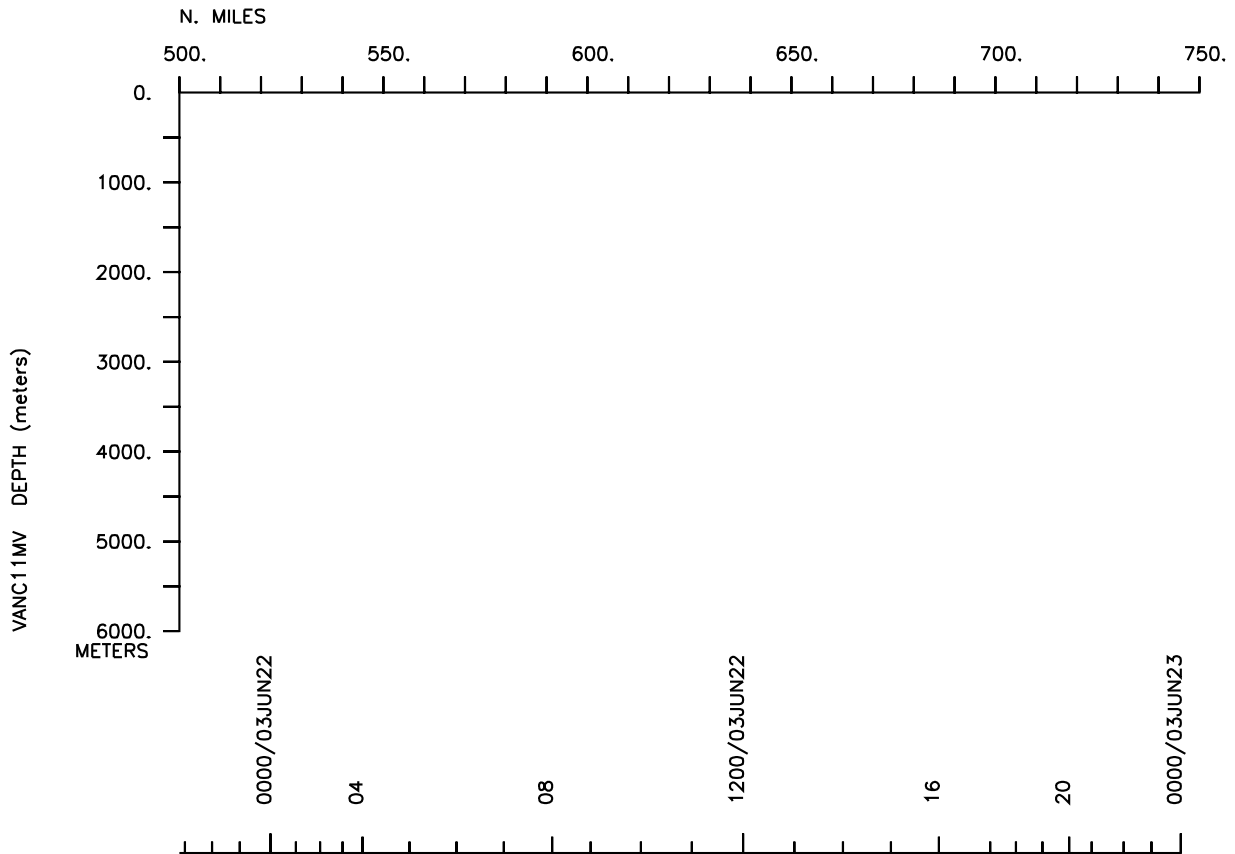
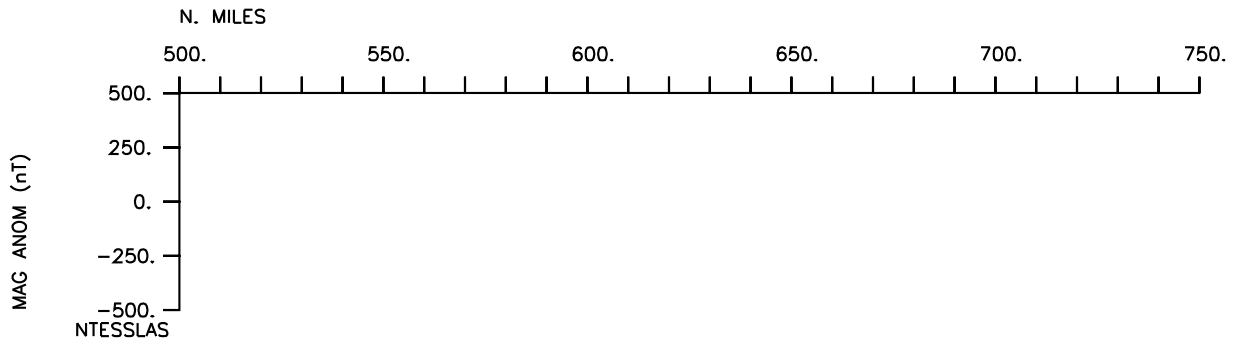
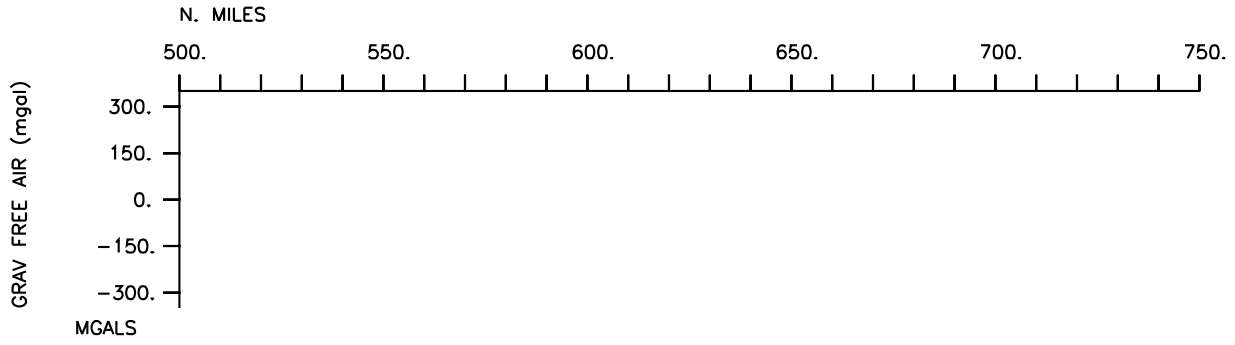
Gravity-none collected

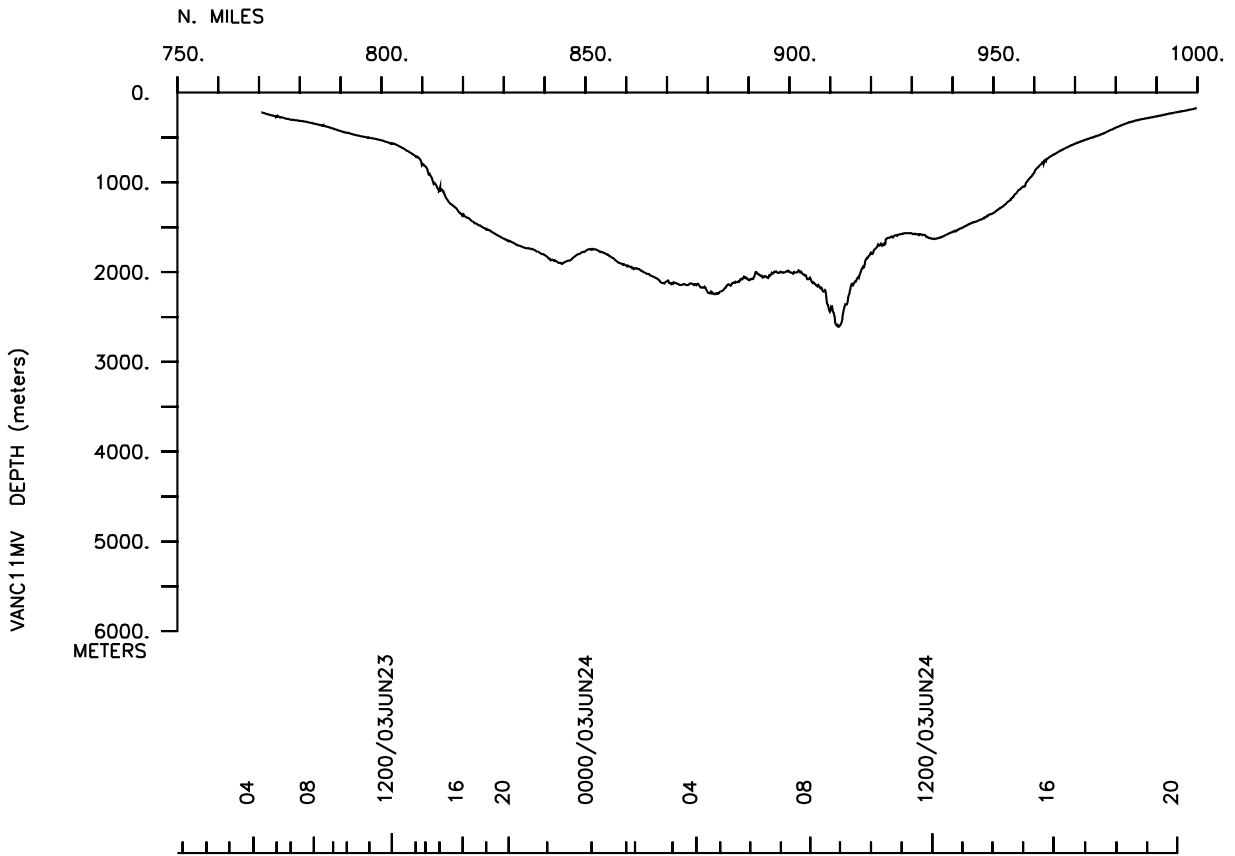
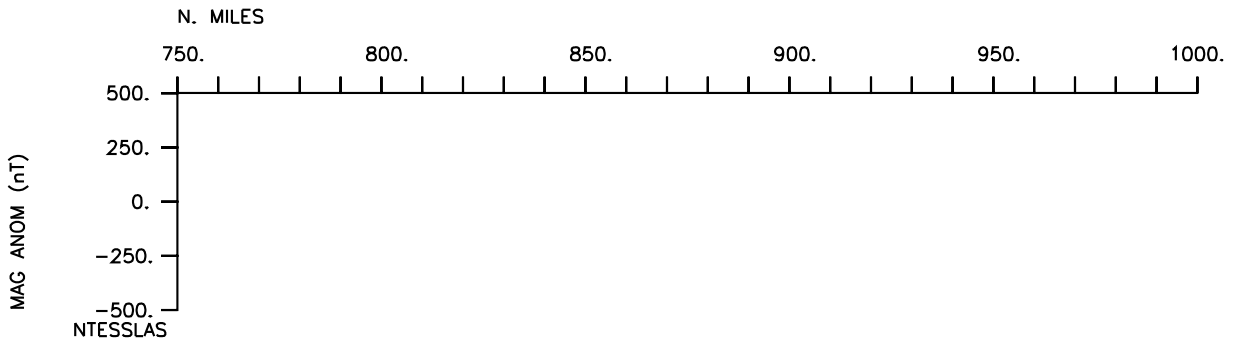
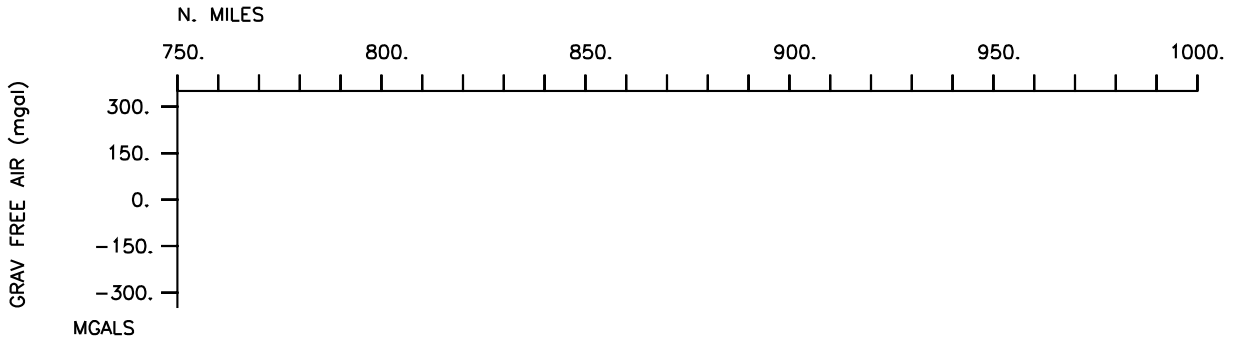
VANC11MV

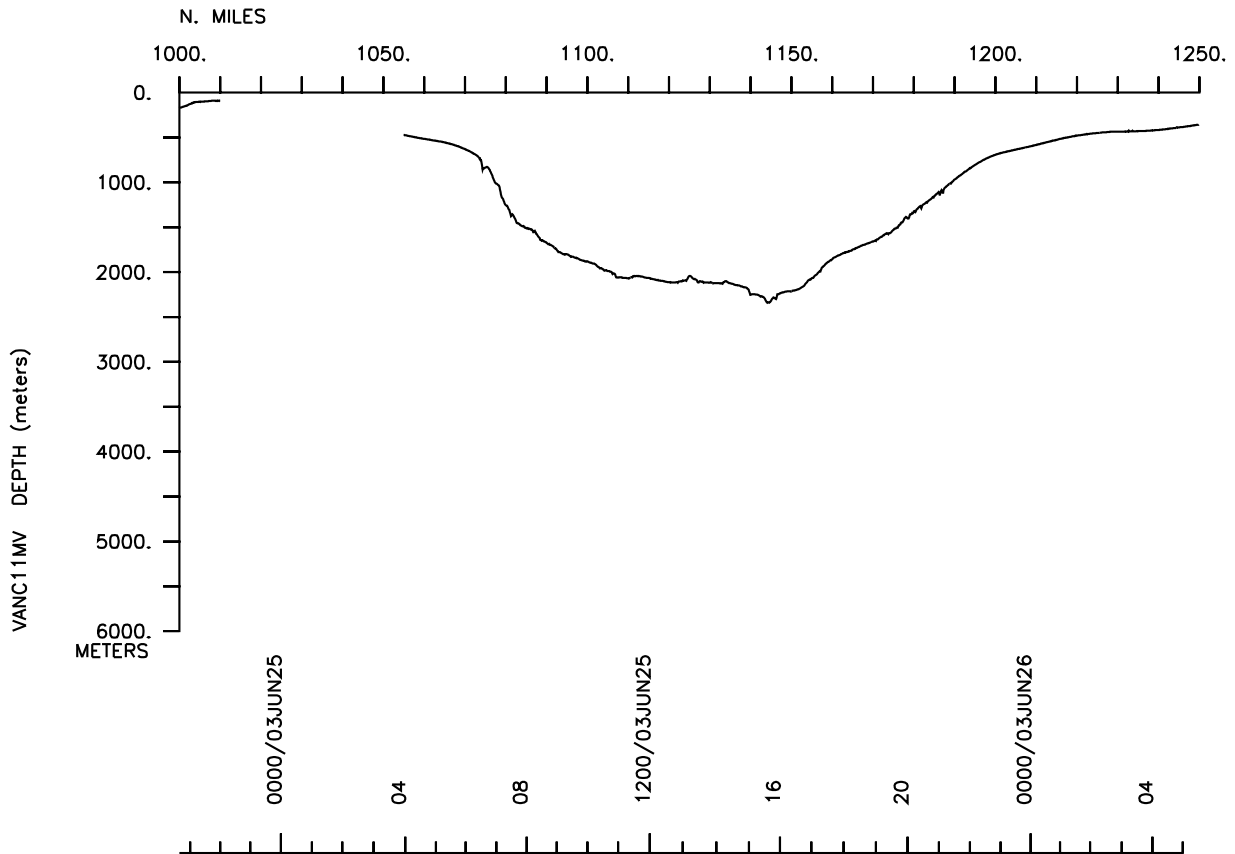
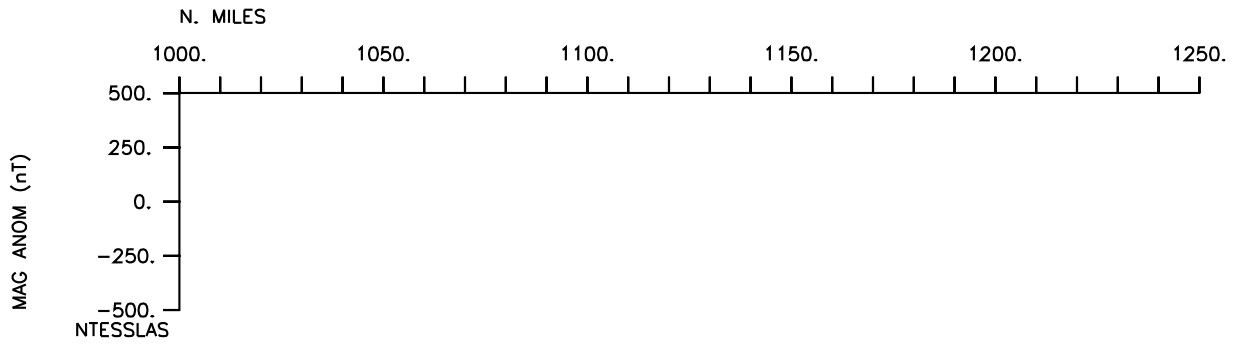
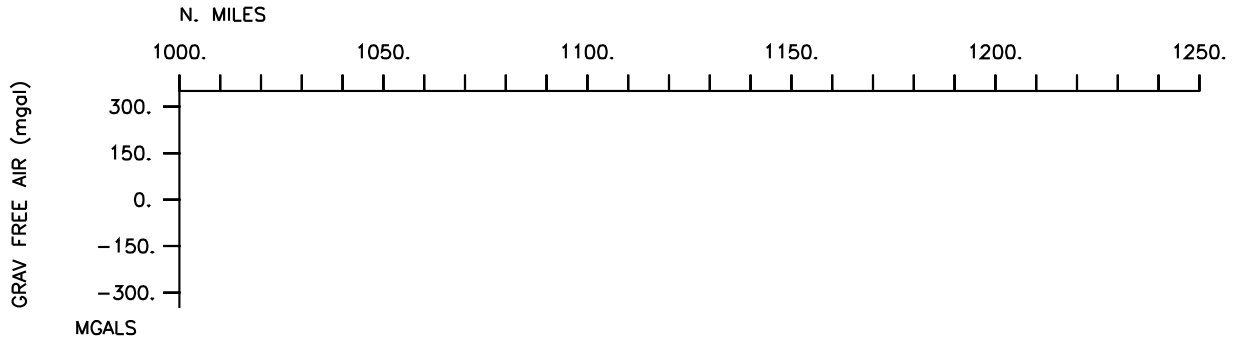


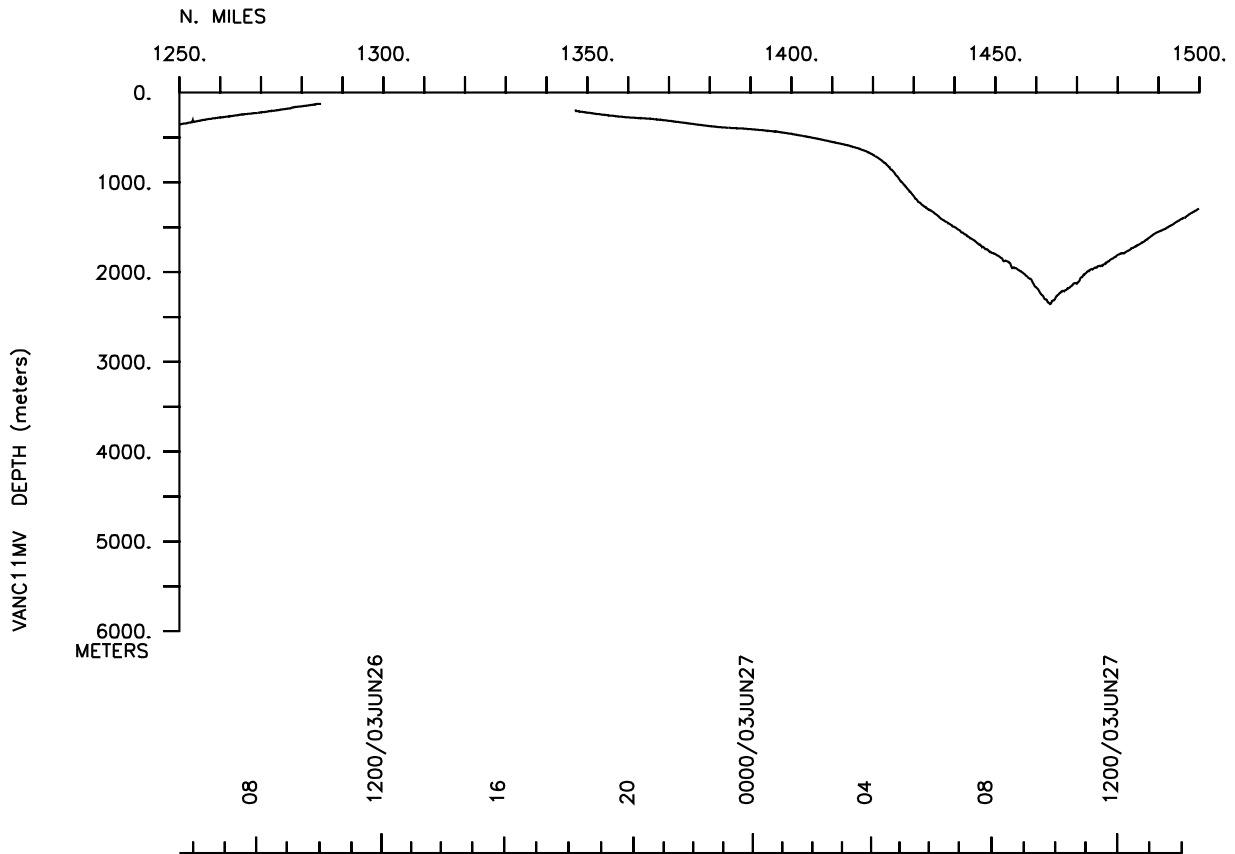
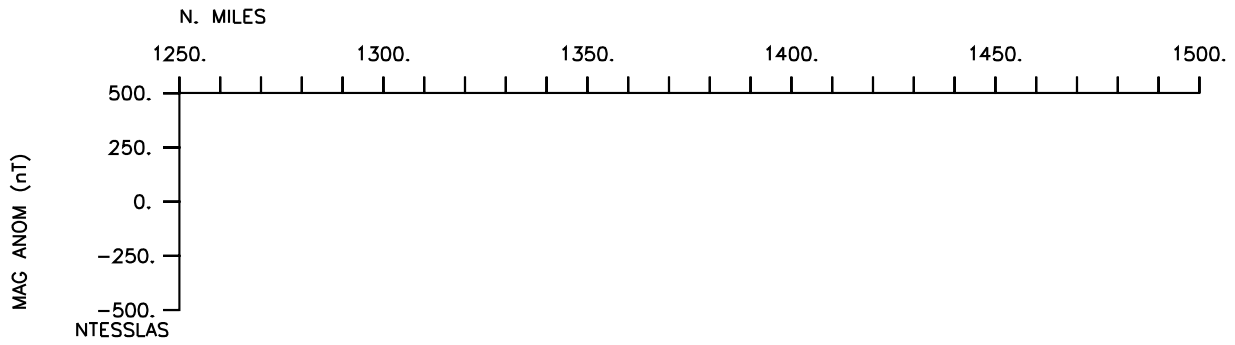
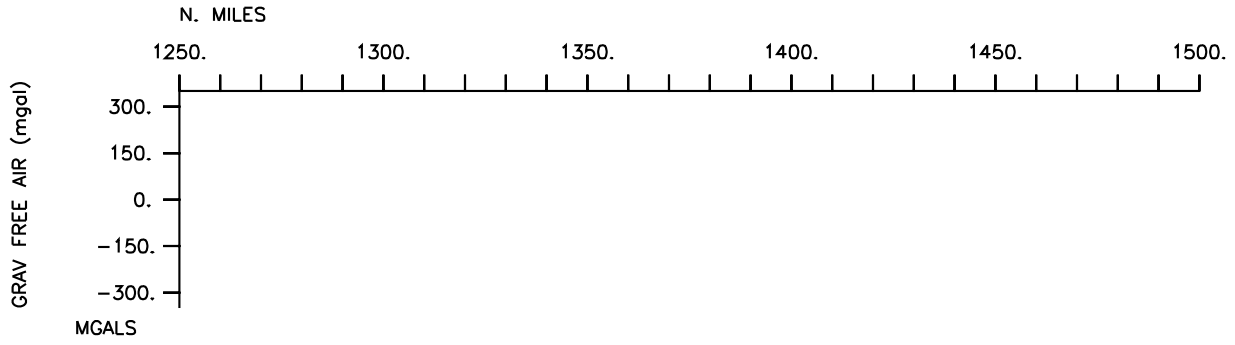


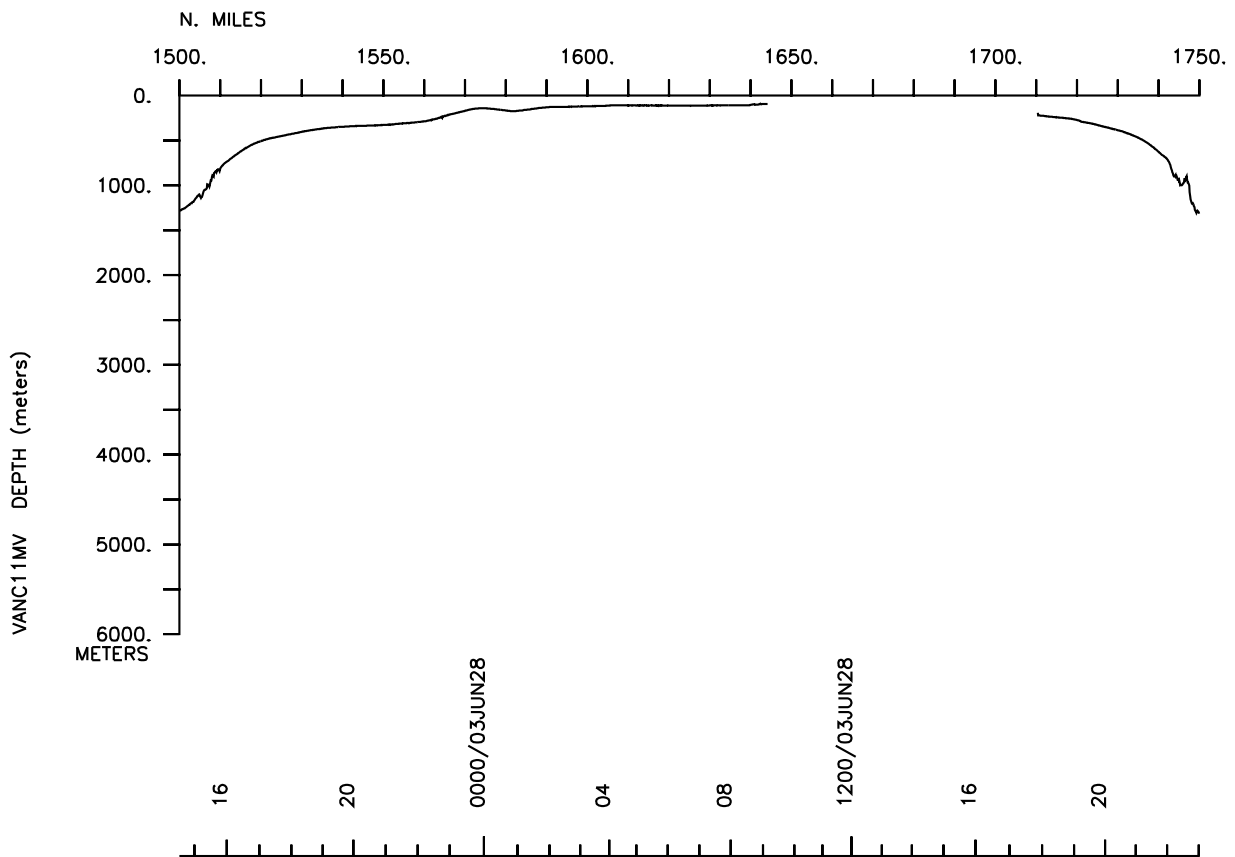
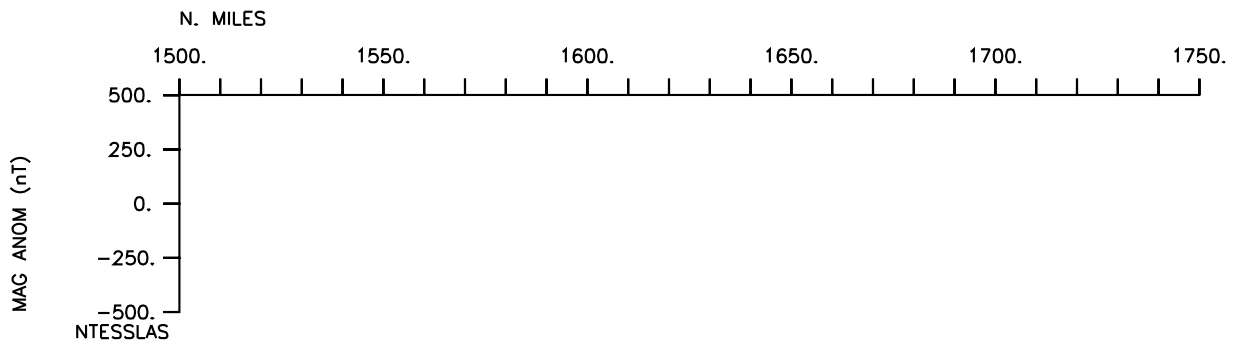
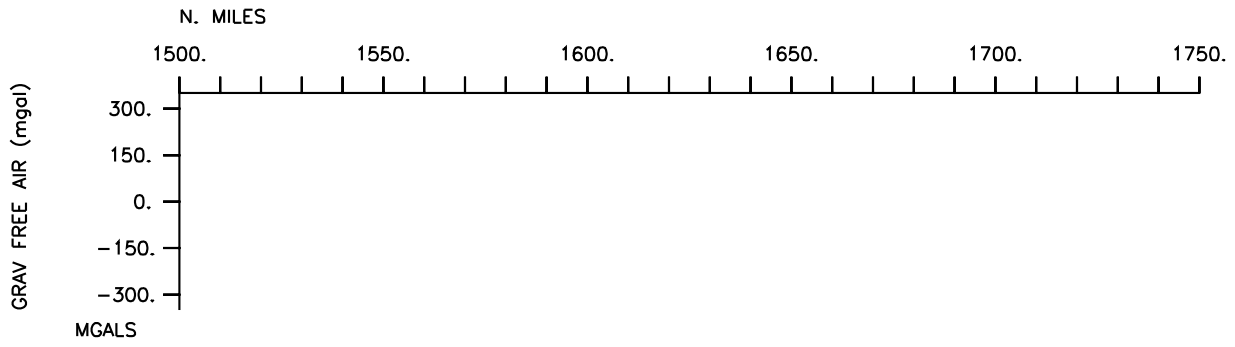


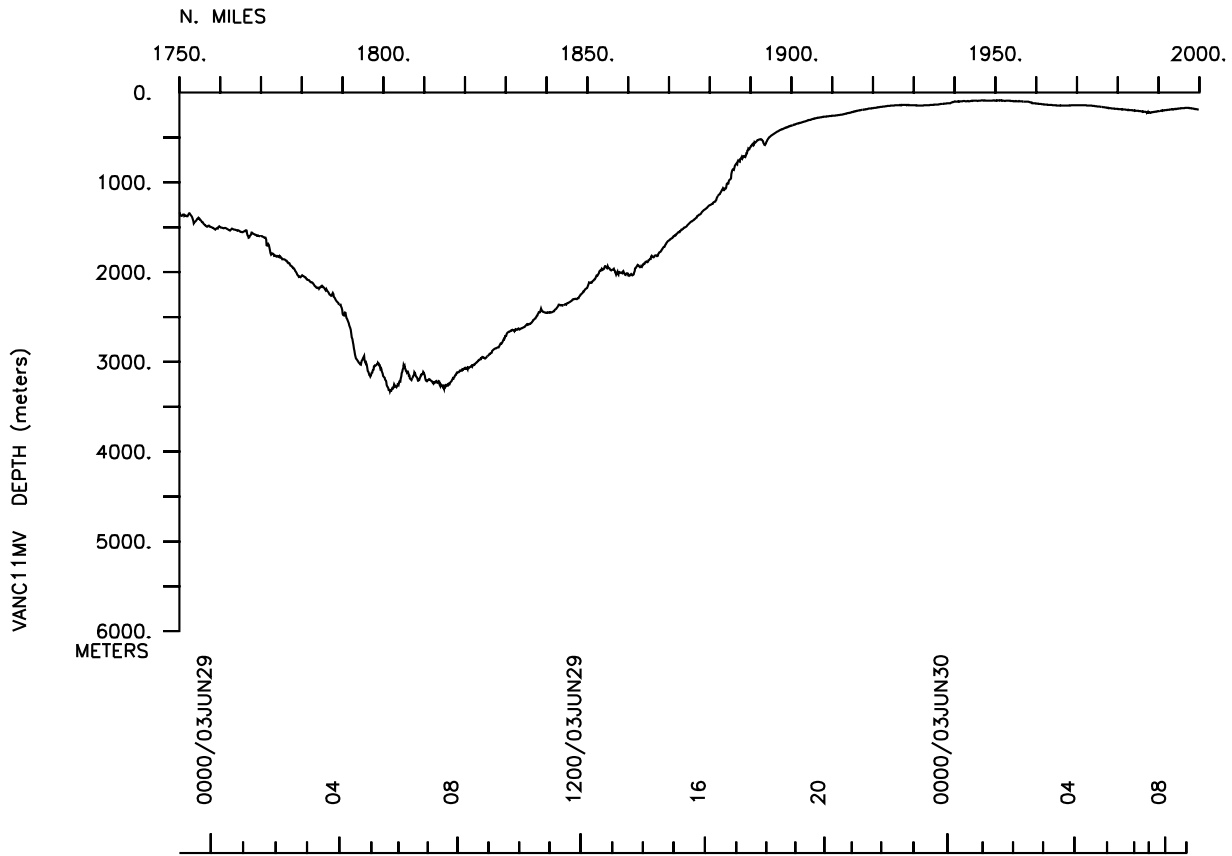
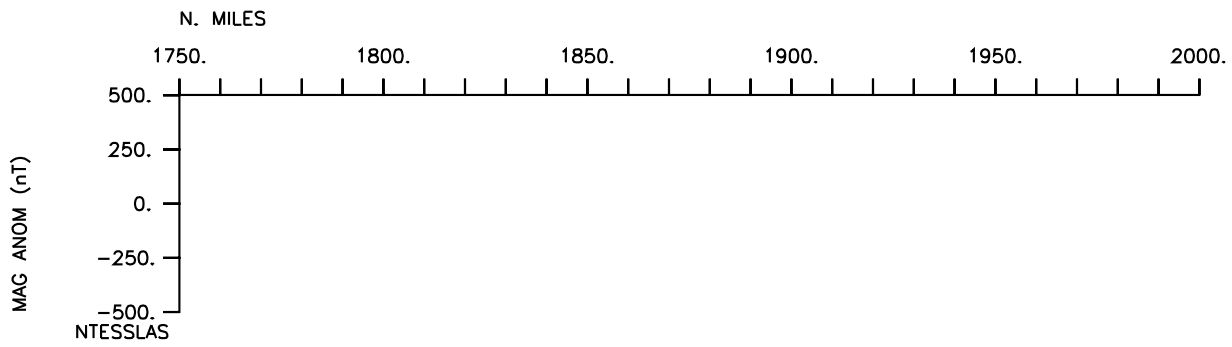
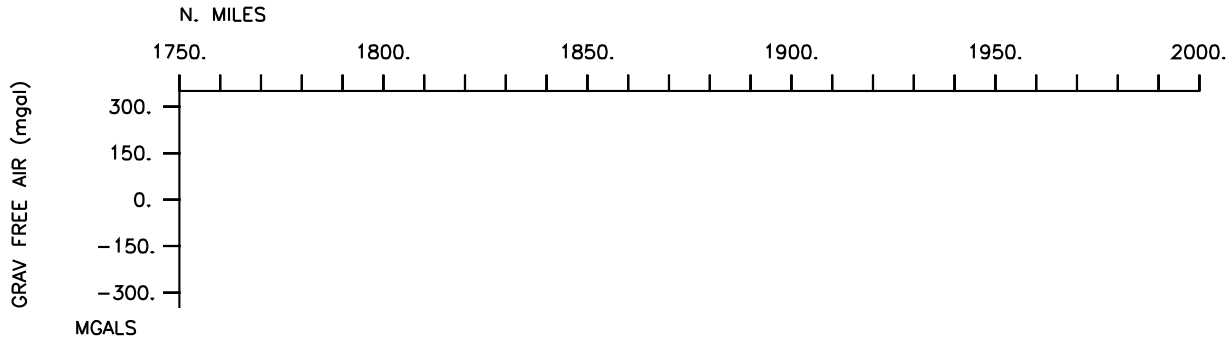


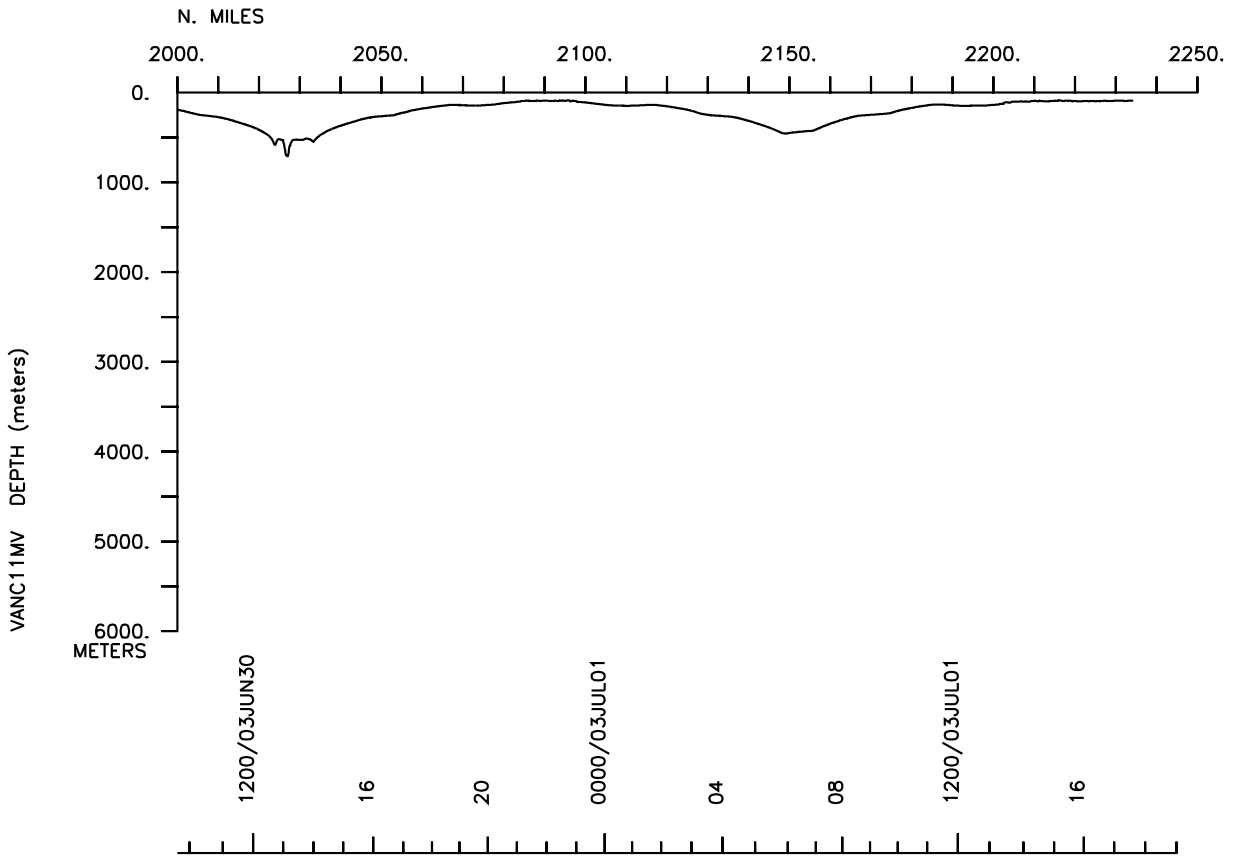
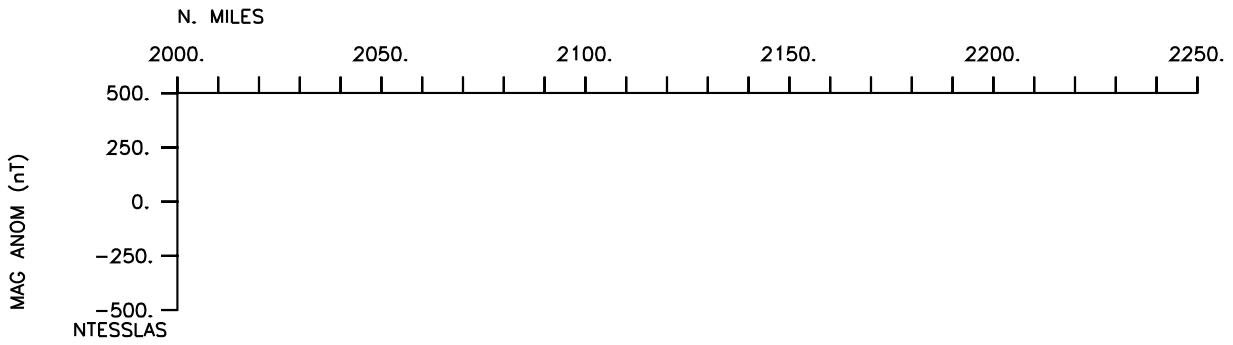
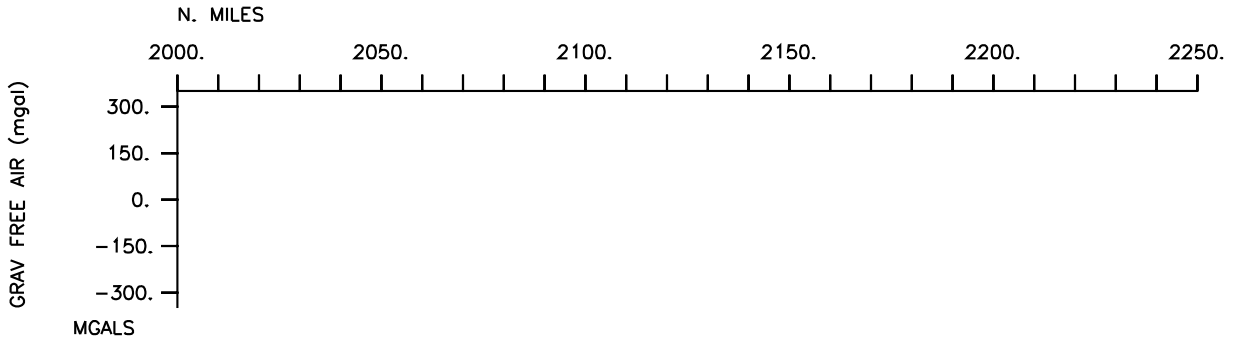


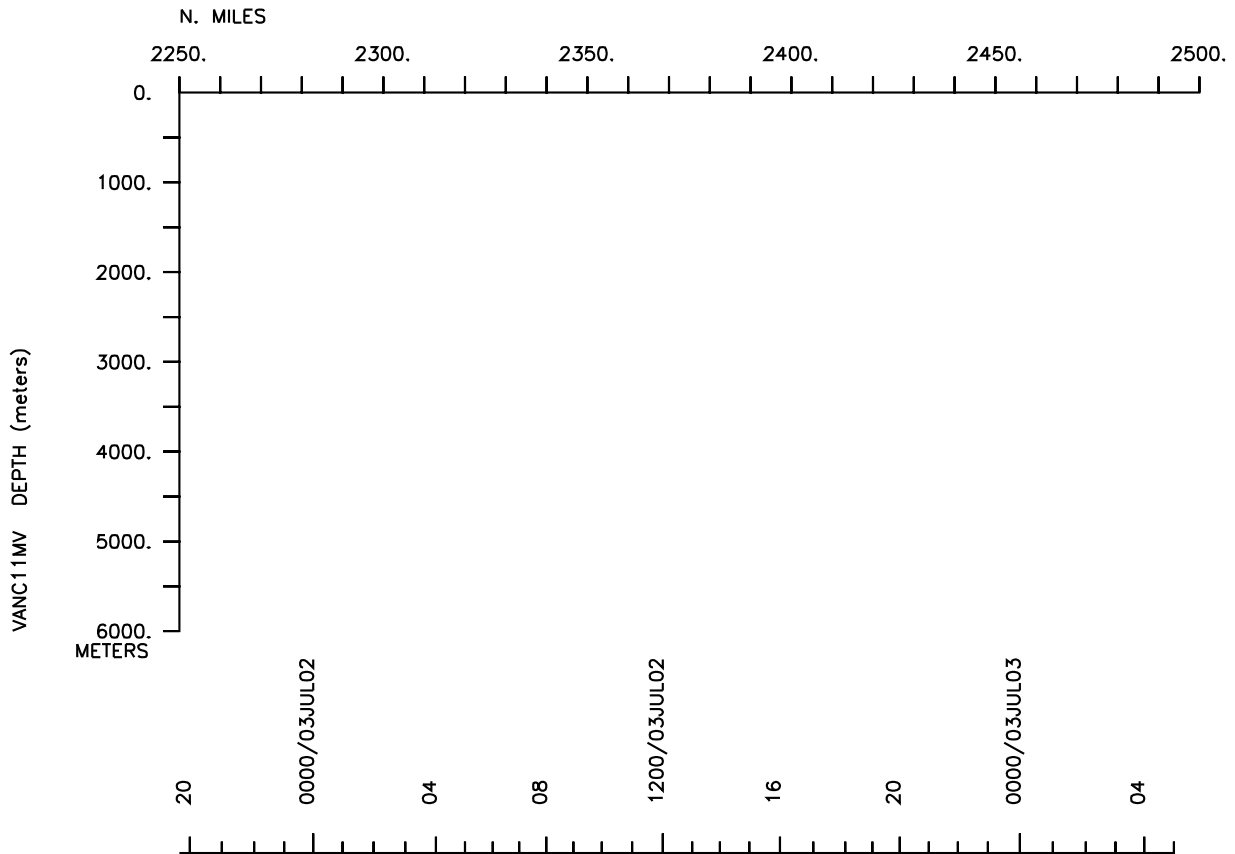
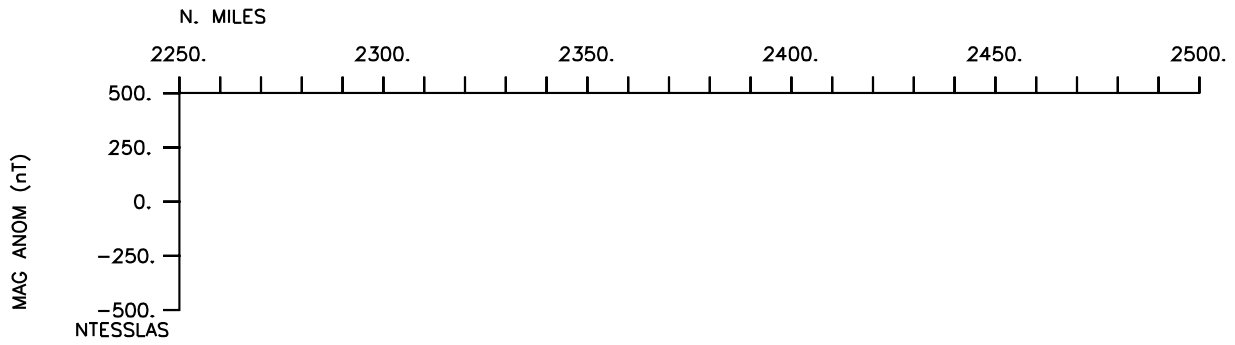
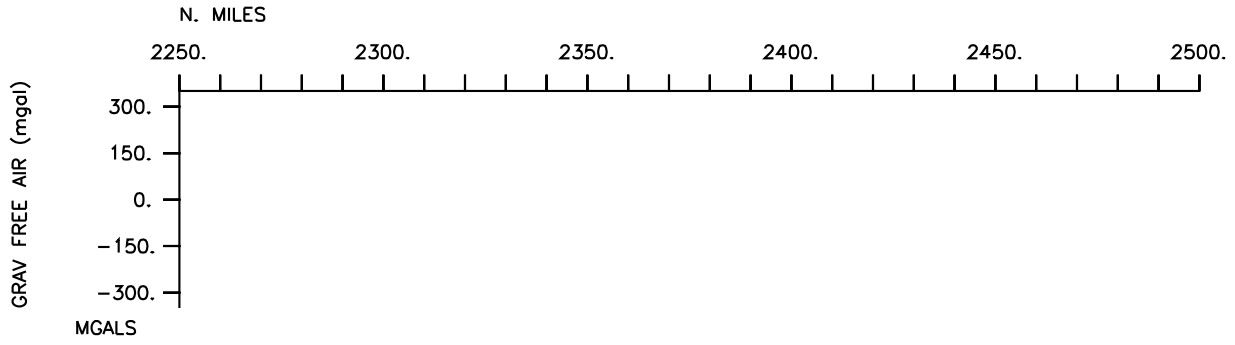


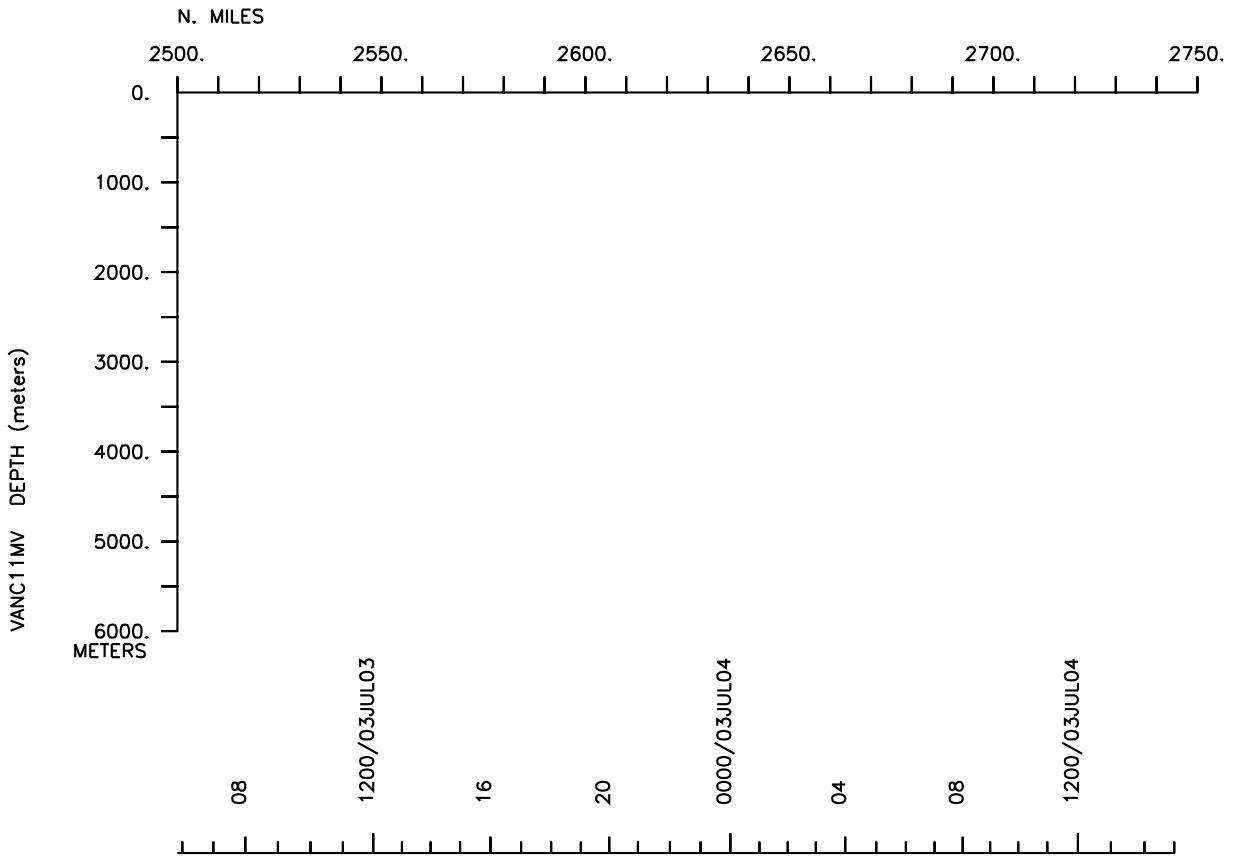
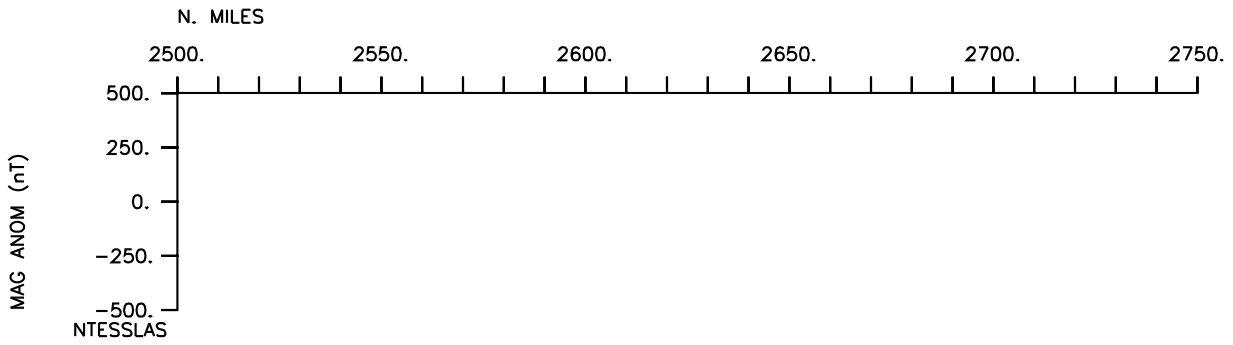
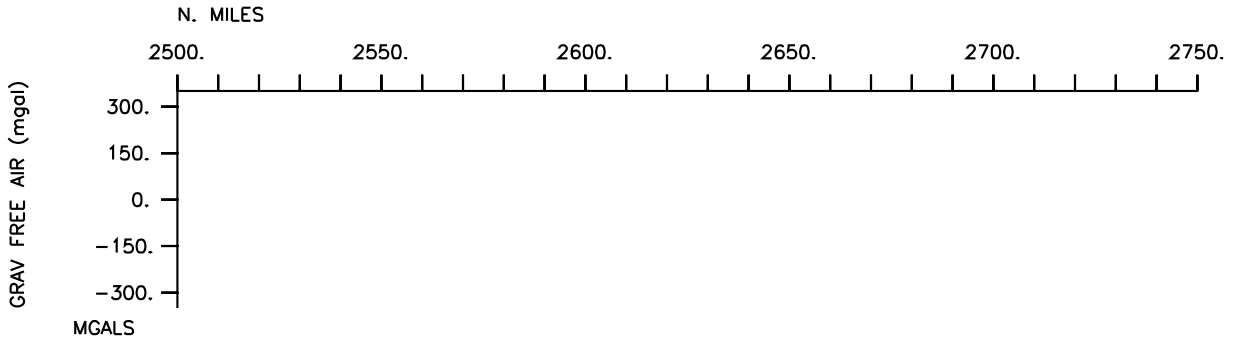


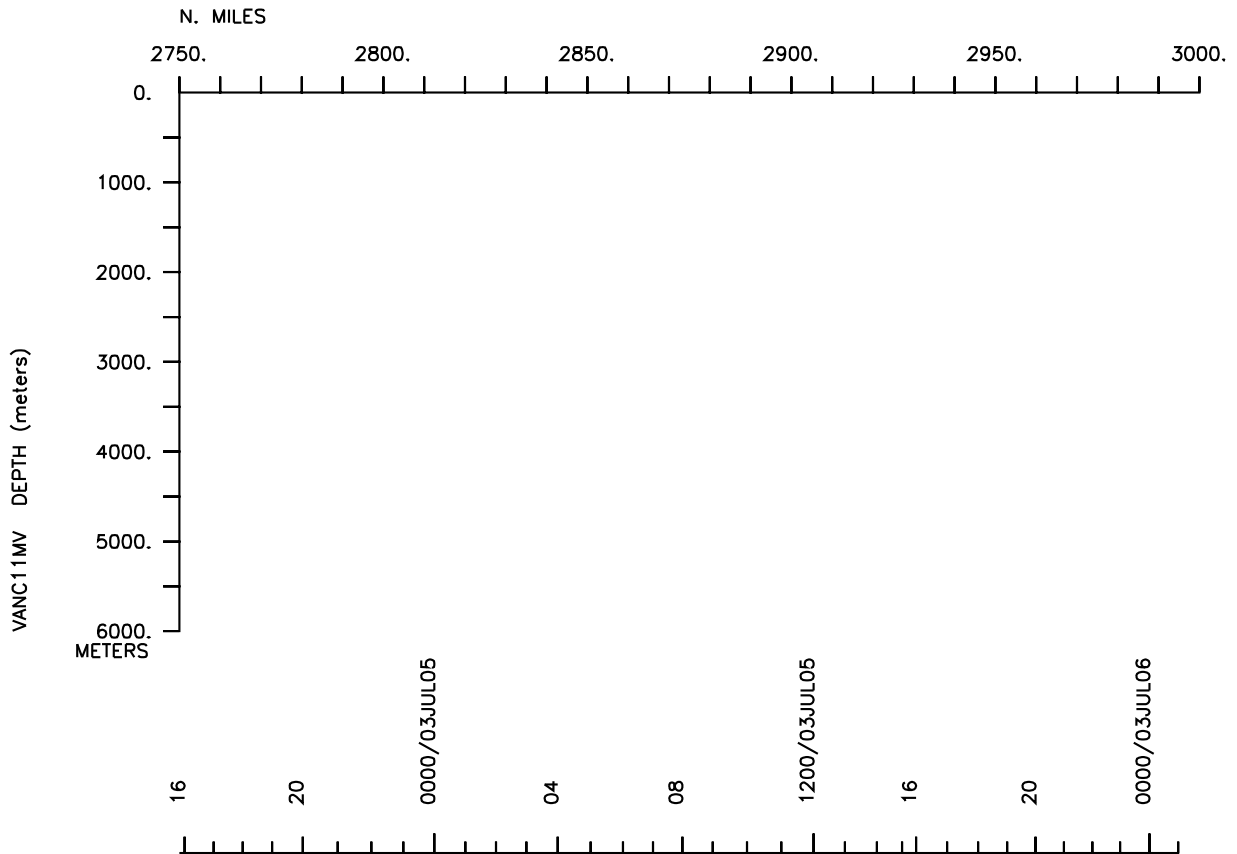
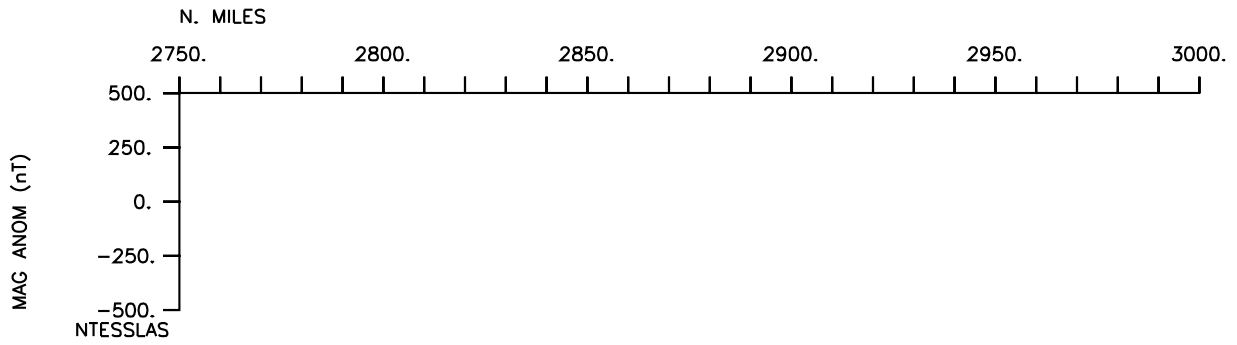
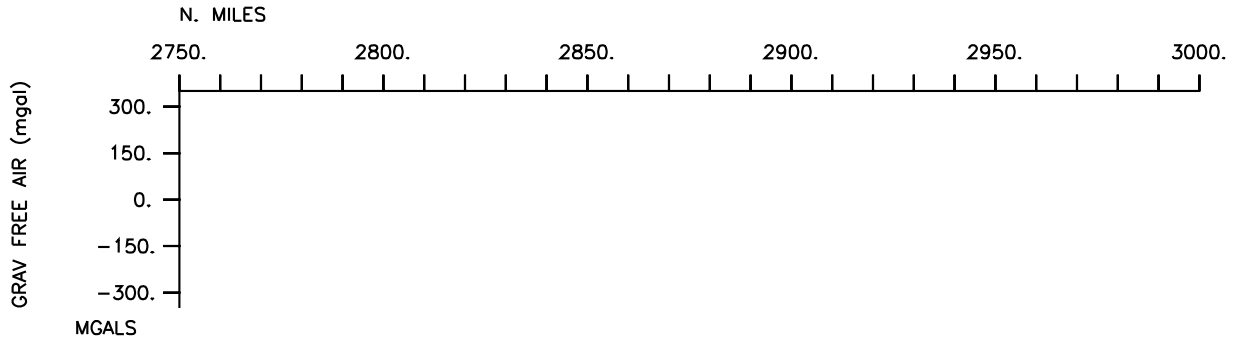


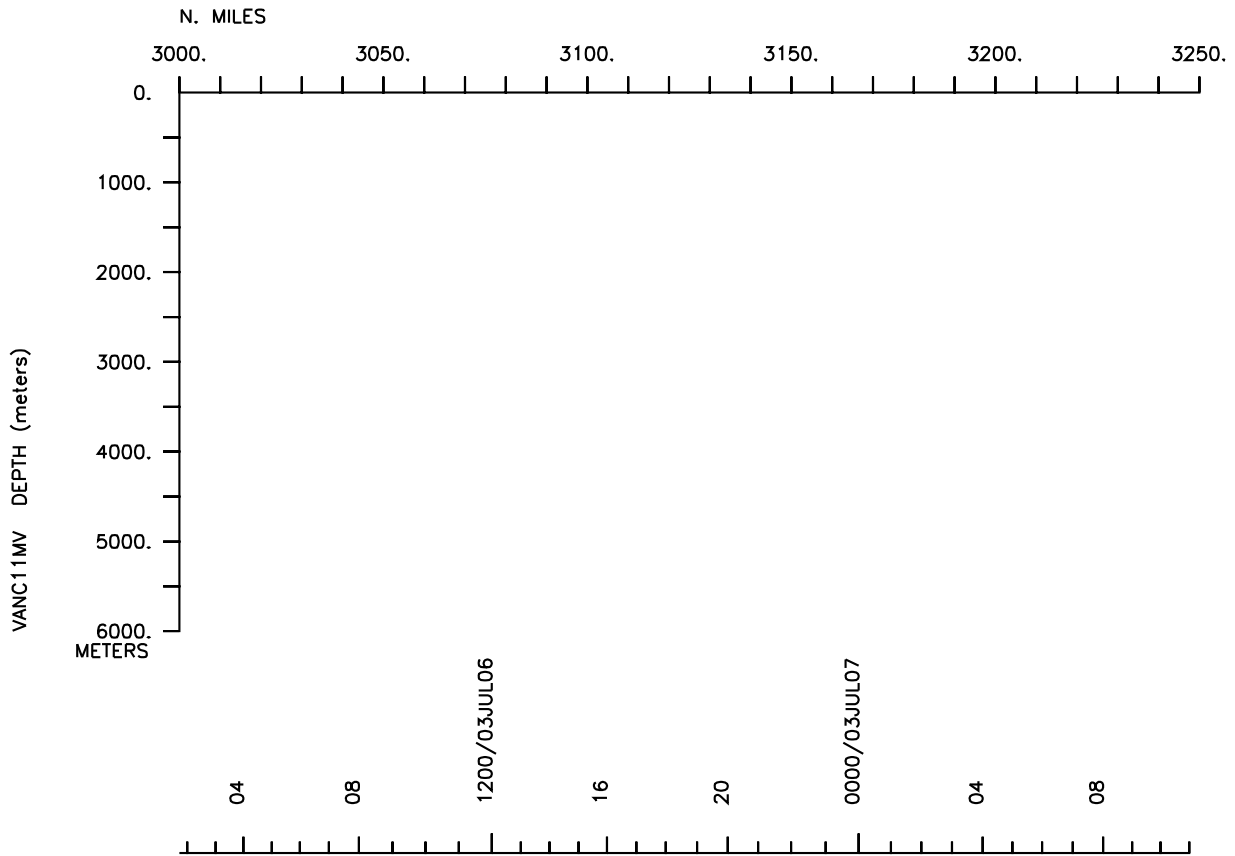
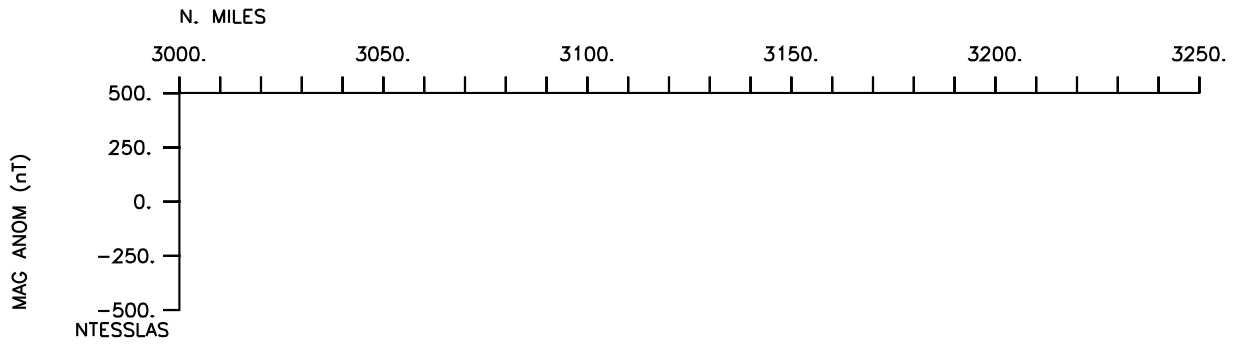
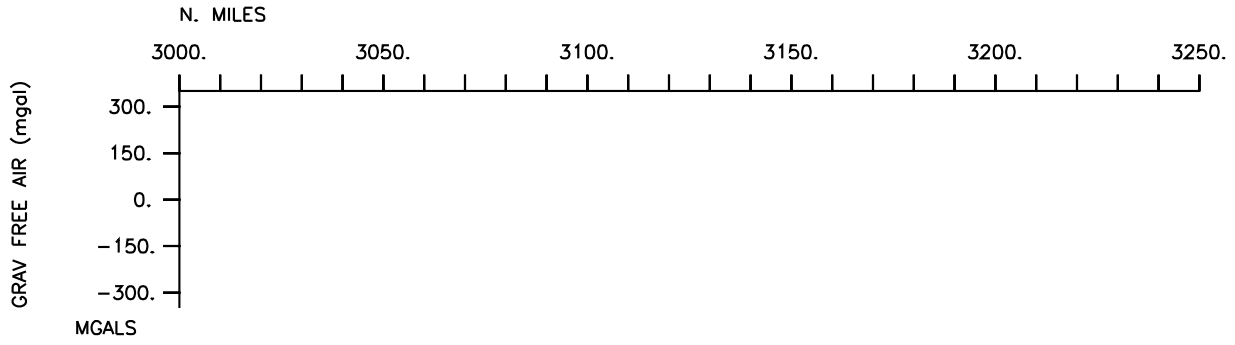


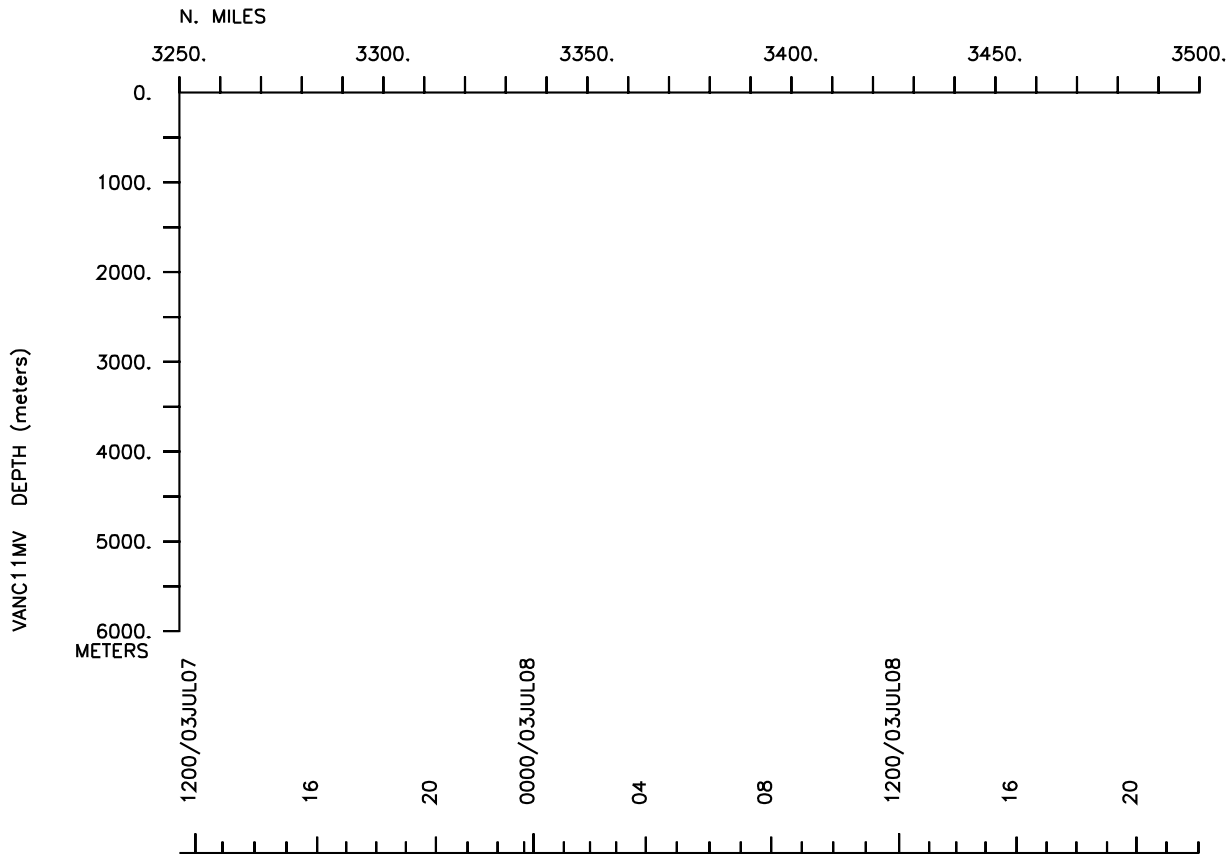
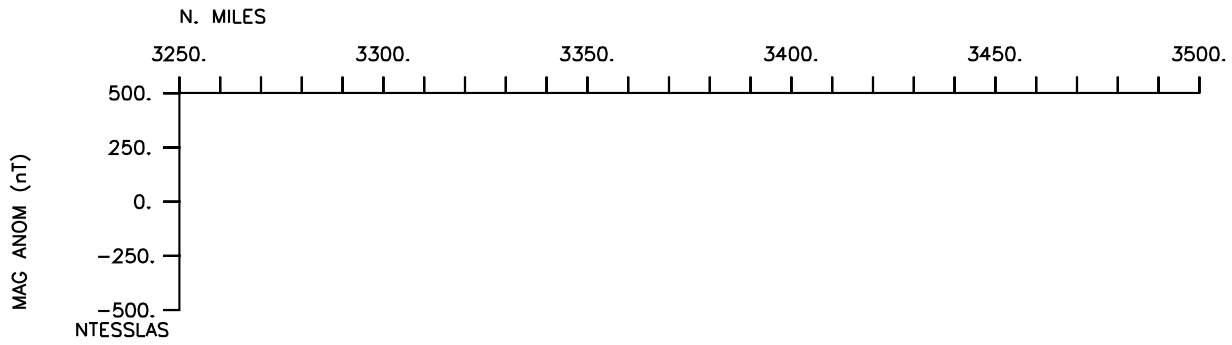
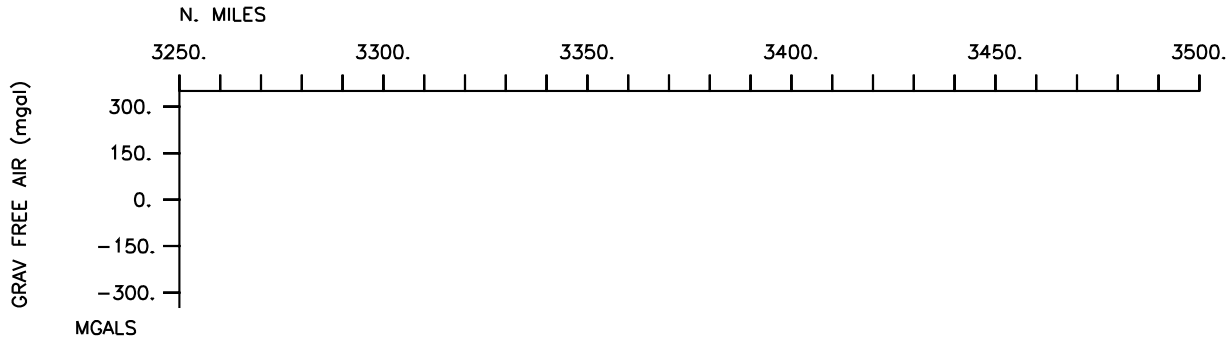


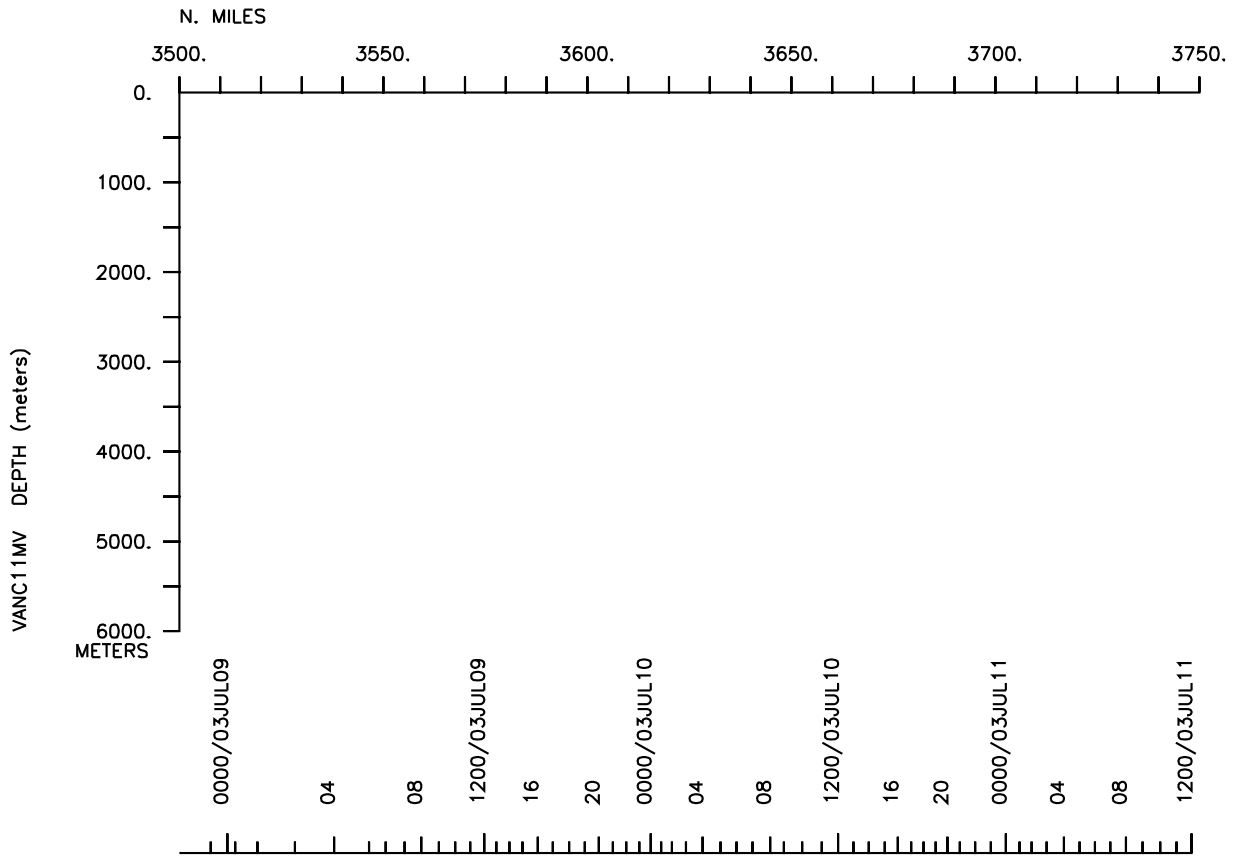
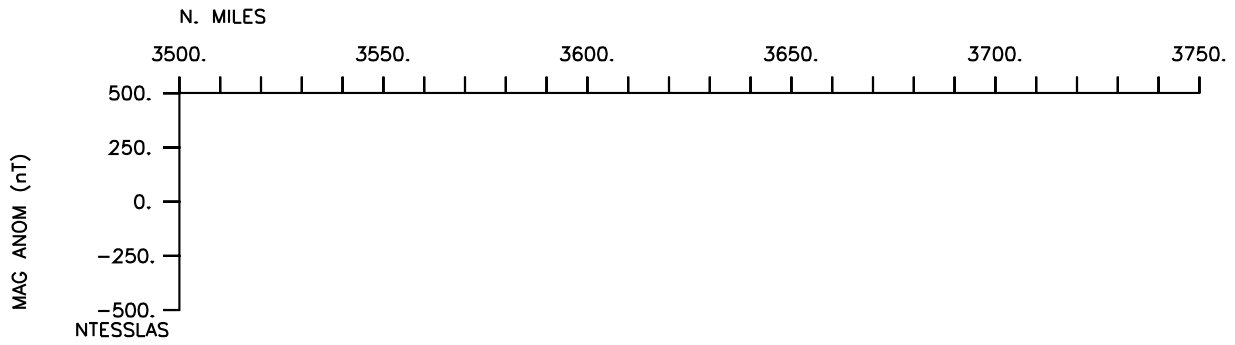
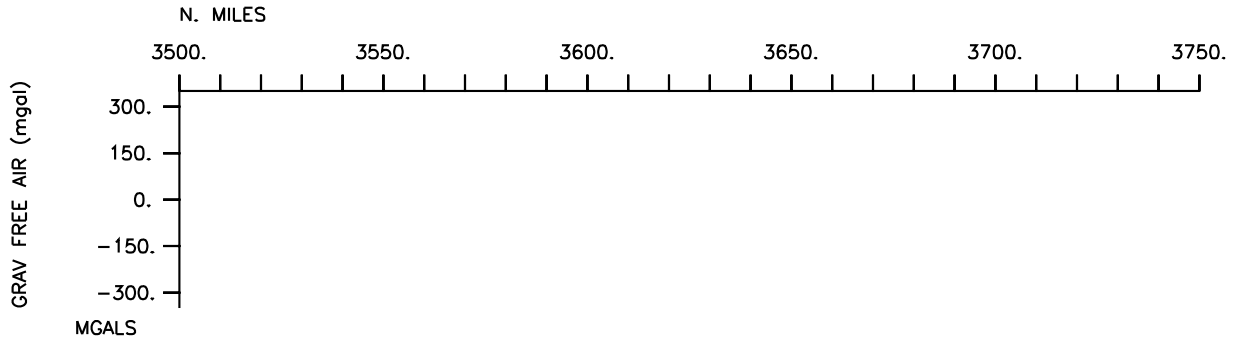


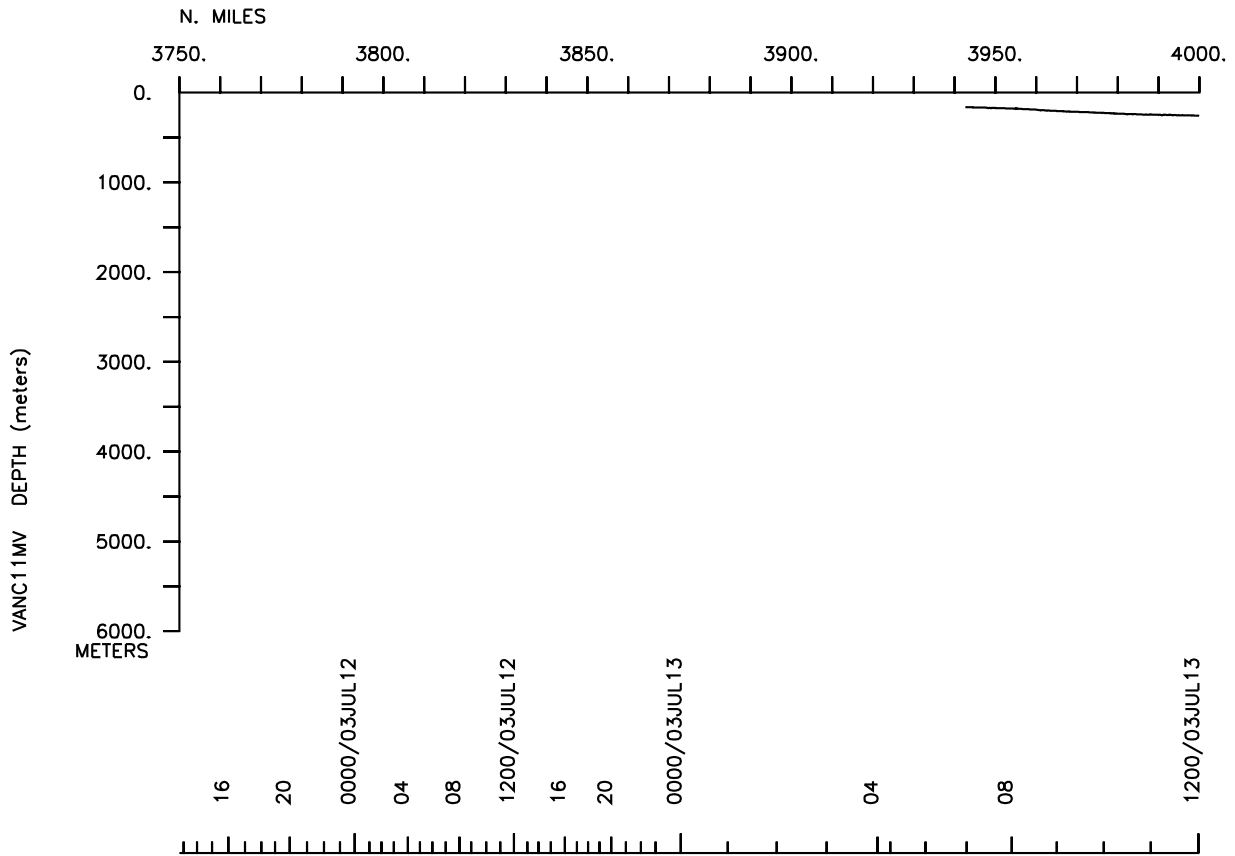
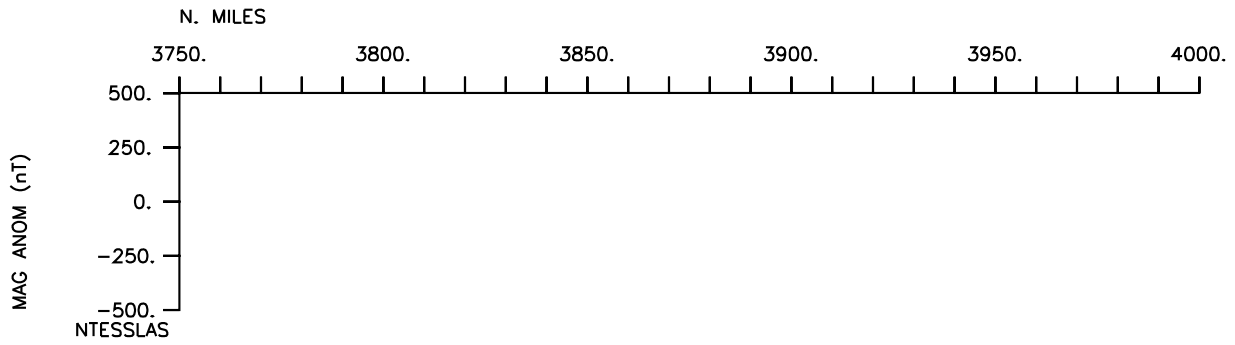
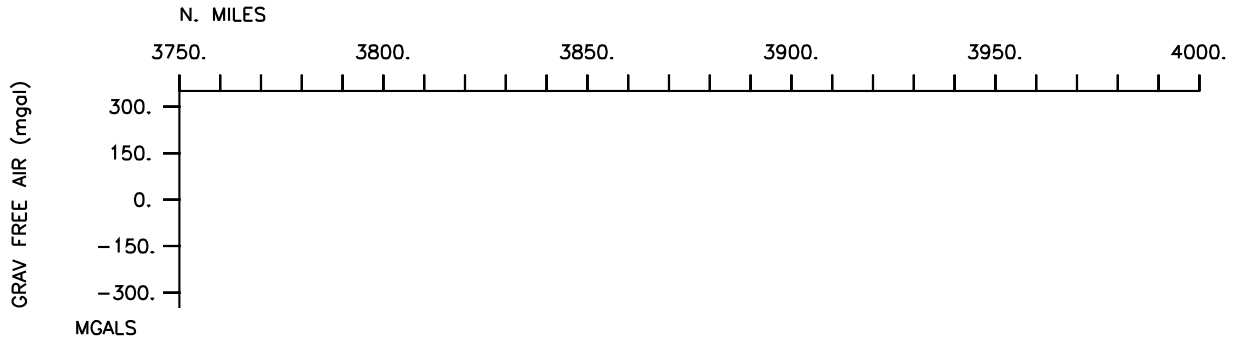


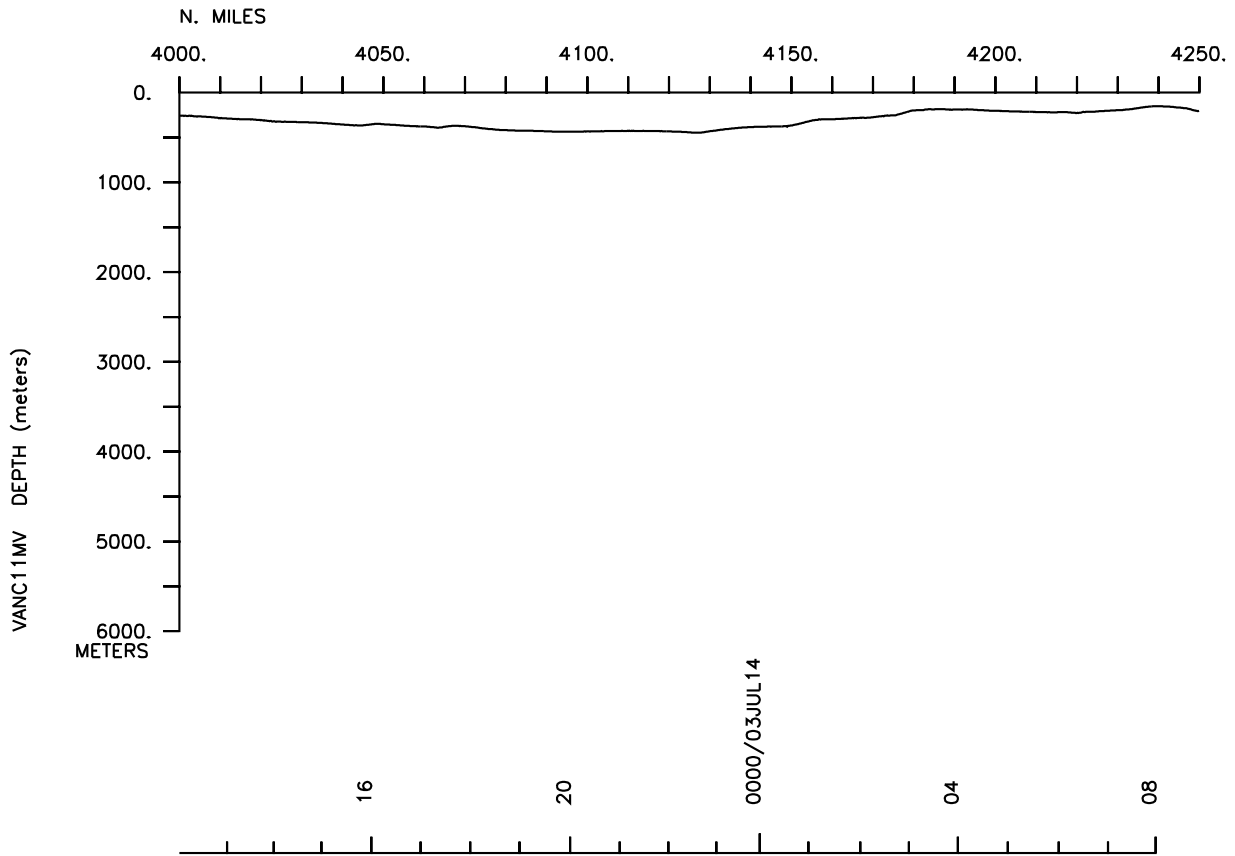
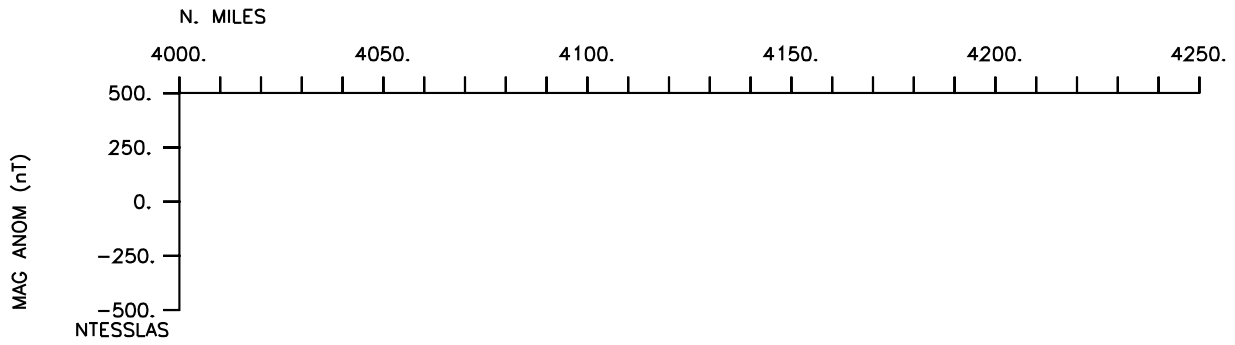
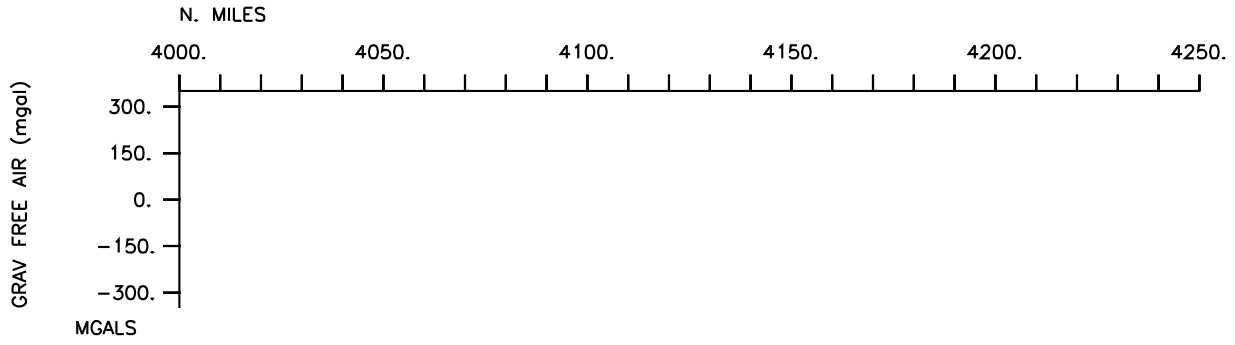


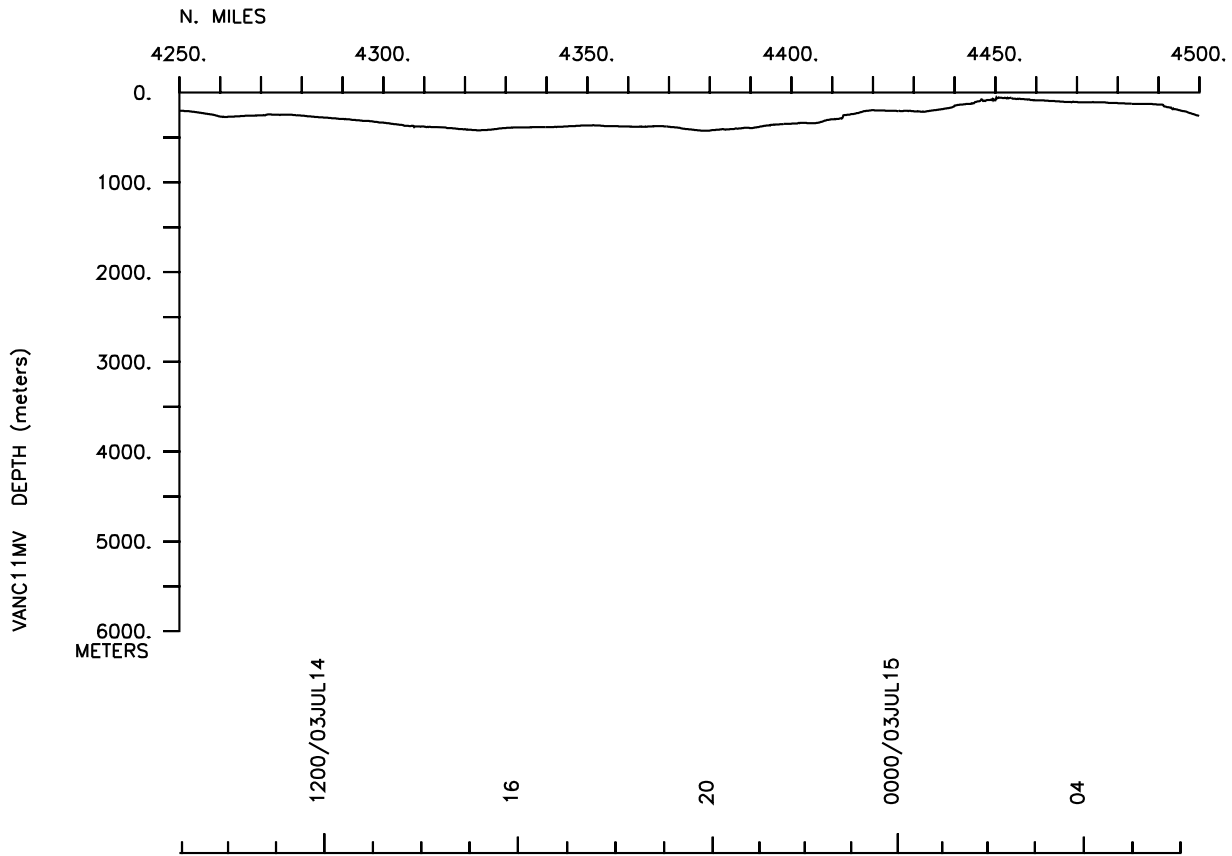
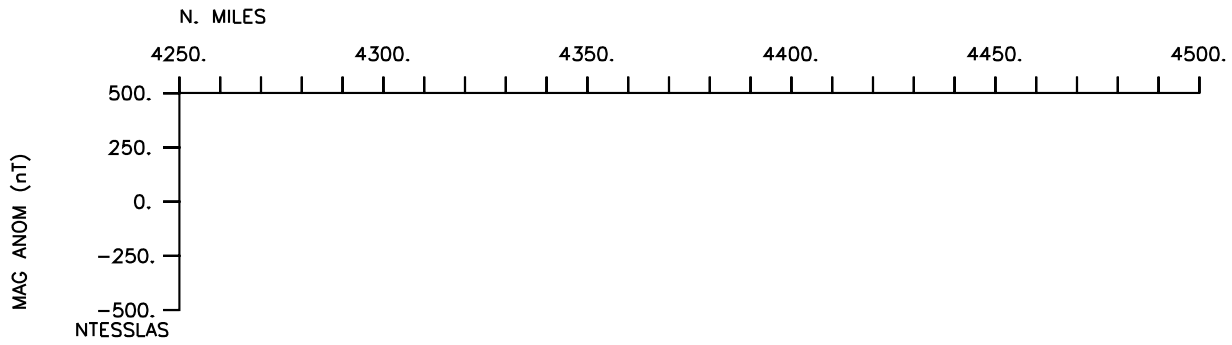
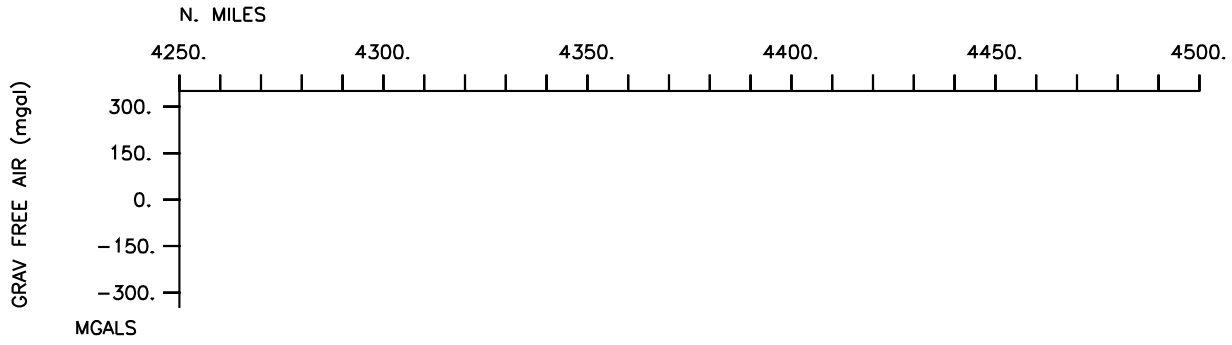


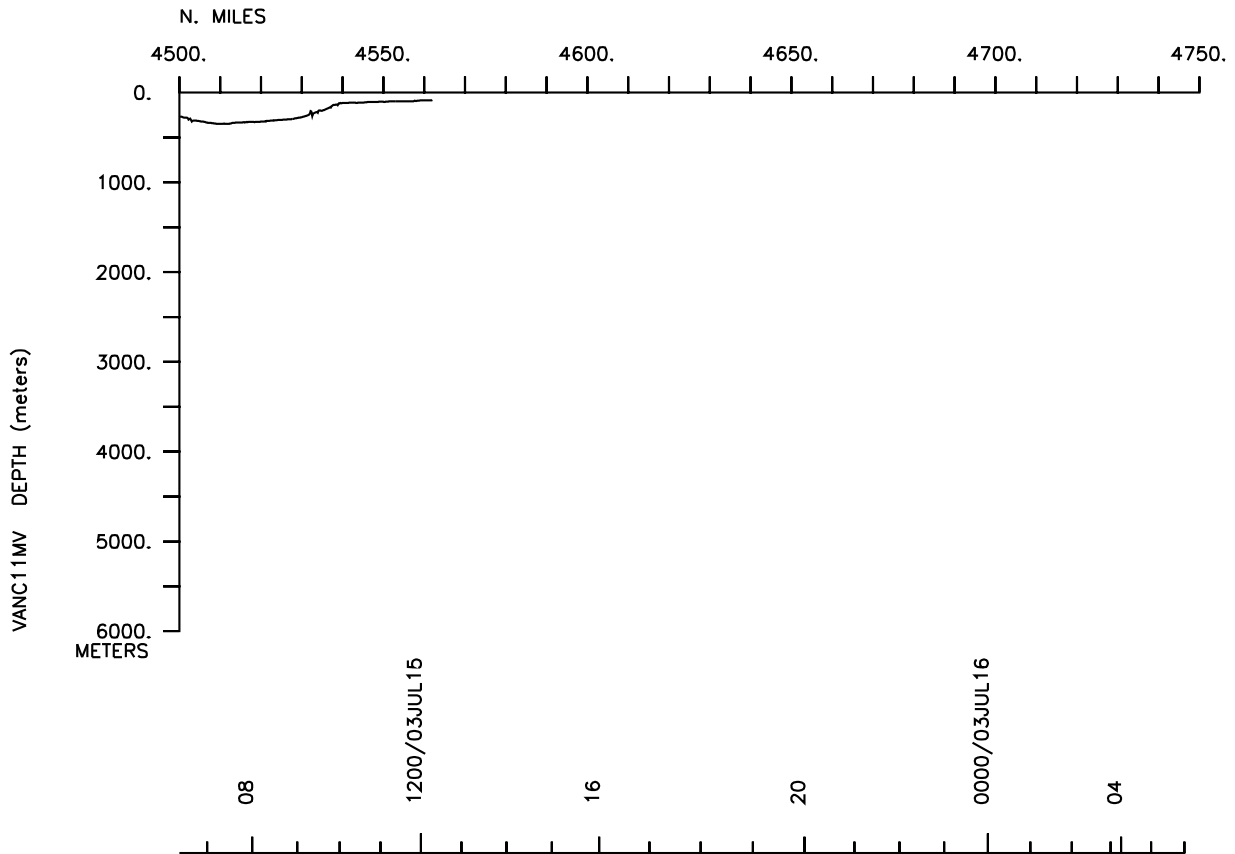
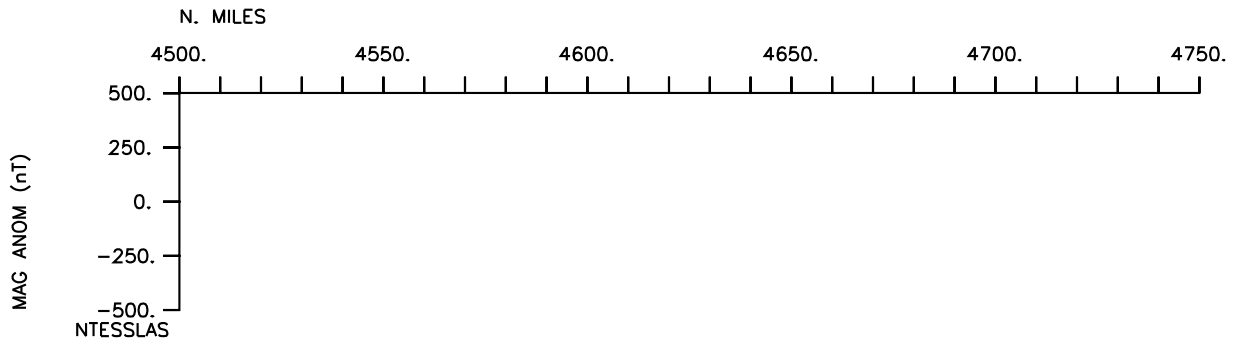
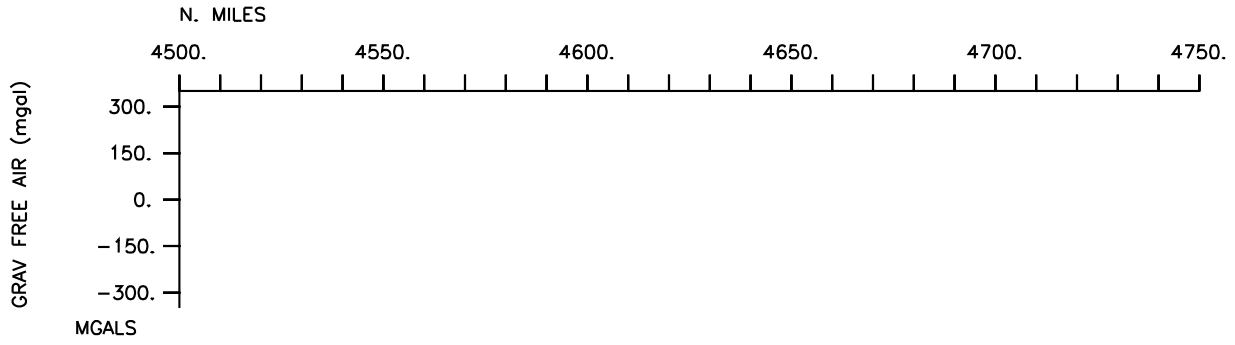


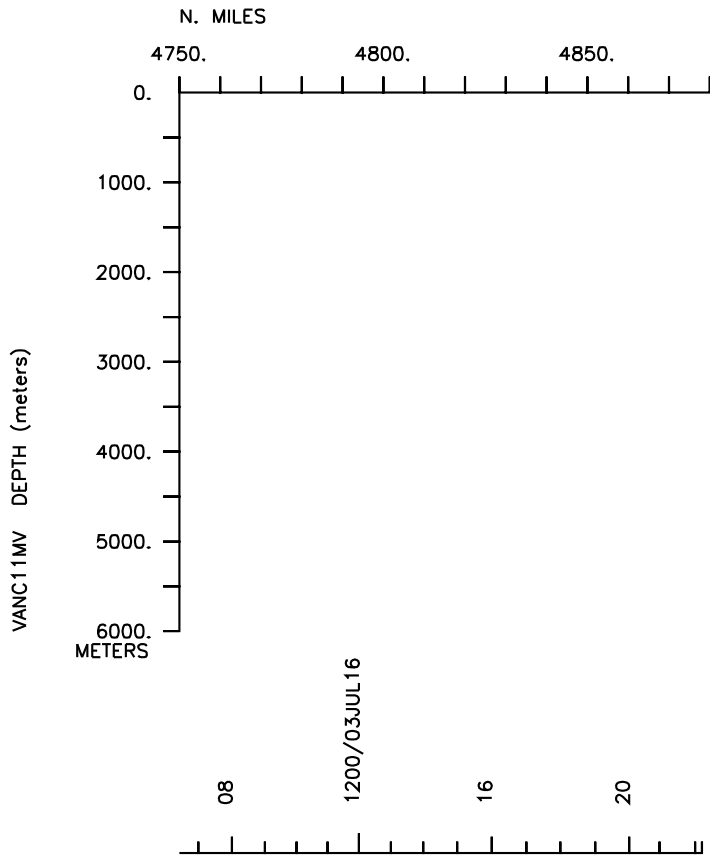
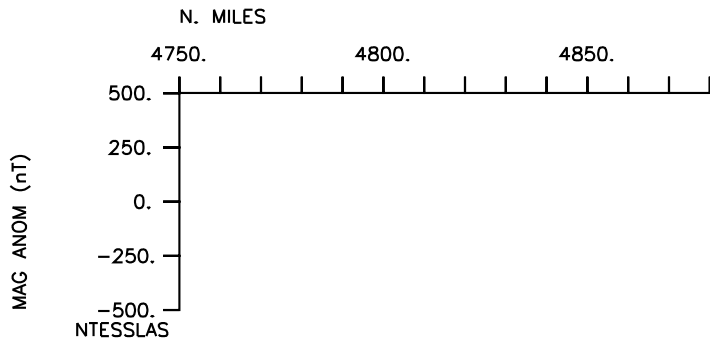
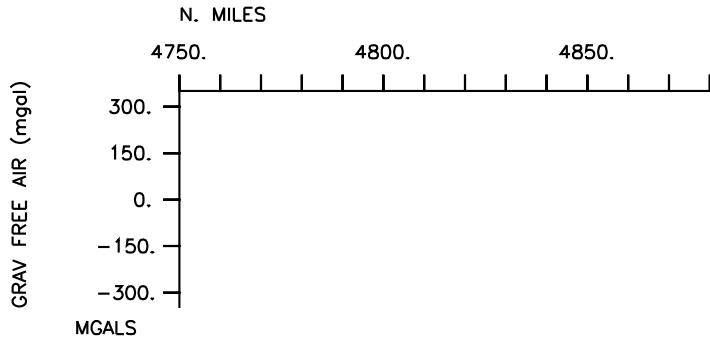












08

1200/03JUL16

16

20

**** Ports ***

0300 180603 0 LGPT B Port Hedland, Aust. 20-18.00S 118-35.00E f VANC11MV
 2230 160703 0 LGPT E Darwin, Aust. 12-28.00S 130-51.00E f VANC11MV

**** Personnel ***

```
# *****NAME***** *****TITLE***** *****AFFILIATION***** **CRID**
#-----
PECS WHOI Brink, K. Chief Scientist Woods Hole VANC11MV
PEMT WHOI Bahr, F. Technician Woods Hole VANC11MV
PEMT WHOI Barid, H. Technician Woods Hole VANC11MV
PEMT SIX Conmy, R. Technician U. of So. Florida VANC11MV
PERT STS Engstrom, T. Resident Tech Scripps Institution VANC11MV
PECT STS Foley, S. Computer Tech Scripps Institution VANC11MV
PEMT USFL Klungness, G. Technician U. of So. Florida VANC11MV
PEMT WHOI Lardie, M. Technician Woods Hole VANC11MV
PEST AUA Majewski, L. Grad student Australia VANC11MV
PEMT WHOI Marquette, C. Technician Woods Hole VANC11MV
PEMT WHOI Searson, S. Technician Woods Hole VANC11MV
PESP WHOI Shearman, R. Scientist Woods Hole VANC11MV
PEMT WHOI Wasnesski, B. Technician Woods Hole VANC11MV
PESP WHOI Winsor, P. Scientist Woods Hole VANC11MV
```

**** 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 DDMYY 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) ***

0406 190603 0 MBSR B V.beam & sidescan GDC 18-35.57S 117-45.71E g VANC11MV
 2120 150703 0 MBSR E V.beam & sdiescan GDC 11-54.14S 127-26.77E g VANC11MV

**** Echo Sounder Records *** (12 or 3.5 kHz records)

0300 180603 0 DPR3 B 3.5 khz echosounder GDC 20-19.10S 118-34.52E g VANC11MV
 2230 160703 0 DPR3 E 3.5 khz echosounder GDC 12-28.21S 130-51.01E g VANC11MV

**** Integrated Meteorological Acquisition System ***

0300 180603 0 IMET B Weather Measurements GDC 20-19.10S 118-34.52E g VANC11MV
 2230 160703 0 IMET E GDC 12-28.21S 130-51.01E g VANC11MV

**** Acoustic Doppler Current Profiler ***

0300 180603 0 ADCP B 300khz Current Meas. GDC 20-19.10S 118-34.52E g VANC11MV
 2230 160703 0 ADCP E System GDC 12-28.21S 130-51.01E g VANC11MV

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

*** Current Meters ***

0143	190603	0	CMAB	B ADCP mooring	WHOI	18-49.76S	117-53.07E	g		VANC11MV
0435	130703	0	CMAB	E Recovery	WHOI	18-49.71S	117-52.94E	g		VANC11MV

*** Temperature, Conductivity, Depth ***

0554	180603	0	TDCT	B CTD #1	WHOI	20-00.00S	118-33.70E	g		VANC11MV
0604	180603	0	TDCT	E test cast	WHOI	20-00.00S	118-33.70E	g		VANC11MV
0659	180603	0	TDCT	B CTD #2	4 btls	WHOI	19-55.24S	118-30.87E	g	VANC11MV
0708	180603	0	TDCT	E	26m	WHOI	19-55.24S	118-30.89E	g	VANC11MV
0841	180603	0	TDCT	B CTD #3	4 btls	WHOI	19-50.52S	118-28.31E	g	VANC11MV
0851	180603	0	TDCT	E	32m	WHOI	19-50.50S	118-28.16E	g	VANC11MV
0930	180603	0	TDCT	B CTD #4	4 btls	WHOI	19-45.64S	118-25.53E	g	VANC11MV
0945	180603	0	TDCT	E	34m	WHOI	19-45.62S	118-25.41E	g	VANC11MV
1031	180603	0	TDCT	B CTD #5	4 btls	WHOI	19-40.92S	118-22.94E	g	VANC11MV
1039	180603	0	TDCT	E	37m	WHOI	19-40.96S	118-22.90E	g	VANC11MV
1128	180603	0	TDCT	B CTD #6	4 btls	WHOI	19-36.21S	118-20.11E	g	VANC11MV
1140	180603	0	TDCT	E	44m	WHOI	19-36.19S	118-20.10E	g	VANC11MV
1229	180603	0	TDCT	B CTD #7	4 btls	WHOI	19-31.42S	118-17.38E	g	VANC11MV
1239	180603	0	TDCT	E	58m	WHOI	19-31.46S	118-17.42E	g	VANC11MV
1327	180603	0	TDCT	B CTD #8	4 btls	WHOI	19-26.61S	118-14.70E	g	VANC11MV
1338	180603	0	TDCT	E	67m	WHOI	19-26.65S	118-14.73E	g	VANC11MV
1426	180603	0	TDCT	B CTD #9	4 btls	WHOI	19-21.81S	118-12.04E	g	VANC11MV
1436	180603	0	TDCT	E	73m	WHOI	19-21.85S	118-12.06E	g	VANC11MV
1524	180603	0	TDCT	B CTD #10	4 btls	WHOI	19-17.11S	118-09.32E	g	VANC11MV
1534	180603	0	TDCT	E	83m	WHOI	19-17.16S	118-09.32E	g	VANC11MV
1622	180603	0	TDCT	B CTD #11	4 btls	WHOI	19-12.32S	118-06.63E	g	VANC11MV
1640	180603	0	TDCT	E	88m	WHOI	19-12.28S	118-06.59E	g	VANC11MV
1735	180603	0	TDCT	B CTD #12	3 btls	WHOI	19-07.59S	118-03.88E	g	VANC11MV
1748	180603	0	TDCT	E	89m	WHOI	19-07.59S	118-03.89E	g	VANC11MV
1838	180603	0	TDCT	B CTD #13	4 btls	WHOI	19-02.78S	118-01.04E	g	VANC11MV
1850	180603	0	TDCT	E	101m	WHOI	19-02.80S	118-01.09E	g	VANC11MV
1941	180603	0	TDCT	B CTD #14	4 btls	WHOI	18-58.01S	117-58.37E	g	VANC11MV
1955	180603	0	TDCT	E	138m	WHOI	18-58.00S	117-58.38E	g	VANC11MV
2043	180603	0	TDCT	B CTD #15	6 btls	WHOI	18-53.22S	117-55.68E	g	VANC11MV
2101	180603	0	TDCT	E	139m	WHOI	18-53.20S	117-55.68E	g	VANC11MV
2143	180603	0	TDCT	B CTD #16	4 btls	WHOI	18-48.51S	117-52.99E	g	VANC11MV
2201	180603	0	TDCT	E	150m	WHOI	18-48.51S	117-53.00E	g	VANC11MV
2256	180603	0	TDCT	B CTD #17	4 btls	WHOI	18-43.70S	117-50.25E	g	VANC11MV
2314	180603	0	TDCT	E	187m	WHOI	18-43.73S	117-50.32E	g	VANC11MV
0017	190603	0	TDCT	B CTD #18	0 btls	WHOI	18-48.49S	117-52.91E	g	VANC11MV
0032	190603	0	TDCT	E	150m	WHOI	18-48.62S	117-52.87E	g	VANC11MV
0316	190603	0	TDCT	B CTD #19	6 btls	WHOI	18-38.87S	117-47.55E	g	VANC11MV
0336	190603	0	TDCT	E	248m	WHOI	18-38.95S	117-47.60E	g	VANC11MV
0424	190603	0	TDCT	B CTD #20	8 btls	WHOI	18-34.11S	117-44.85E	g	VANC11MV
0449	190603	0	TDCT	E	280m	WHOI	18-34.11S	117-44.87E	g	VANC11MV
0508	190603	0	TDHR	B HRAD #1		AUA	18-34.14S	117-44.84E	g	VANC11MV
0539	190603	0	TDHR	E	150m	AUA	18-34.11S	117-44.74E	g	VANC11MV
0627	190603	0	TDCT	B CTD #21	8 btls	WHOI	18-29.38S	117-42.13E	g	VANC11MV
0654	190603	0	TDCT	E	348m	WHOI	18-29.40S	117-42.20E	g	VANC11MV
0742	190603	0	TDCT	B CTD #22	8 btls	WHOI	18-24.59S	117-39.46E	g	VANC11MV
0810	190603	0	TDCT	E	445m	WHOI	18-24.60S	117-39.50E	g	VANC11MV
0855	190603	0	TDCT	B CTD #23	0 btls	WHOI	18-19.90S	117-36.77E	g	VANC11MV
0926	190603	0	TDCT	E	583m	WHOI	18-19.90S	117-36.78E	g	VANC11MV
1014	190603	0	TDCT	B CTD #24	8 btls	WHOI	18-15.08S	117-34.08E	g	VANC11MV
1104	190603	0	TDCT	E	905m	WHOI	18-15.08S	117-34.09E	g	VANC11MV
1154	190603	0	TDCT	B CTD #25	8 btls	WHOI	18-10.28S	117-31.35E	g	VANC11MV
1245	190603	0	TDCT	E	1273m	WHOI	18-10.29S	117-31.37E	g	VANC11MV

#GMT #TIME #-----	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER		DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP	
1334	190603	0	TDCT	B	CTD #26	0	btls	WHOI	18-05.48S	117-28.70E	g	VANC11MV
1420	190603	0	TDCT	E		1457m		WHOI	18-05.47S	117-28.69E	g	VANC11MV
1509	190603	0	TDCT	B	CTD #27	6	btls	WHOI	18-00.80S	117-25.97E	g	VANC11MV
1550	190603	0	TDCT	E		1681m		WHOI	18-00.80S	117-25.98E	g	VANC11MV
1638	190603	0	TDCT	B	CTD #28	0	btls	WHOI	17-56.00S	117-23.27E	g	VANC11MV
1715	190603	0	TDCT	E		1867m		WHOI	17-56.01S	117-23.27E	g	VANC11MV
1805	190603	0	TDCT	B	CTD #29	4	btls	WHOI	17-51.22S	117-20.58E	g	VANC11MV
1847	190603	0	TDCT	E		1955m		WHOI	17-51.21S	117-20.59E	g	VANC11MV
1939	190603	0	TDCT	B	CTD #30	0	btls	WHOI	17-46.38S	117-17.86E	g	VANC11MV
2014	190603	0	TDCT	E		2470m		WHOI	17-46.38S	117-17.87E	g	VANC11MV
2059	190603	0	TDCT	B	CTD #31	8	btls	WHOI	17-41.69S	117-15.21E	g	VANC11MV
2136	190603	0	TDCT	E		2223m		WHOI	17-41.69S	117-15.20E	g	VANC11MV
0733	200603	0	TDCT	B	CTD #32	10	btls	WHOI	16-19.94S	118-30.70E	g	VANC11MV
0822	200603	0	TDCT	E		2631m		WHOI	16-19.94S	118-30.71E	g	VANC11MV
0931	200603	0	TDCT	B	CTD #33	0	btls	WHOI	16-27.74S	118-38.48E	g	VANC11MV
1002	200603	0	TDCT	E		2030m		WHOI	16-27.74S	118-38.48E	g	VANC11MV
1043	200603	0	TDCT	B	CTD #34	4	btls	WHOI	16-31.62S	118-42.39E	g	VANC11MV
1116	200603	0	TDCT	E		1869m		WHOI	16-31.60S	118-42.40E	g	VANC11MV
1227	200603	0	TDCT	E		1685m		WHOI	16-35.53S	118-46.42E	g	VANC11MV
1314	200603	0	TDCT	B	CTD #36	7	btls	WHOI	16-39.49S	118-50.38E	g	VANC11MV
1346	200603	0	TDCT	E		1531m		WHOI	16-39.48S	118-50.38E	g	VANC11MV
1427	200603	0	TDCT	B	CTD #37	0	btls	WHOI	16-43.38S	118-54.25E	g	VANC11MV
1457	200603	0	TDCT	E		1370m		WHOI	16-43.37S	118-54.26E	g	VANC11MV
1537	200603	0	TDCT	B	CTD #38	4	btls	WHOI	16-47.28S	118-58.07E	g	VANC11MV
1610	200603	0	TDCT	E		1212m		WHOI	16-47.26S	118-58.11E	g	VANC11MV
1655	200603	0	TDCT	B	CTD #39	0	btls	WHOI	16-51.10S	119-02.08E	g	VANC11MV
1728	200603	0	TDCT	E		882m		WHOI	16-51.10S	119-02.08E	g	VANC11MV
1808	200603	0	TDCT	B	CTD #40	8	btls	WHOI	16-54.99S	119-05.99E	g	VANC11MV
1845	200603	0	TDCT	E		640m		WHOI	16-54.99S	119-05.99E	g	VANC11MV
1928	200603	0	TDCT	B	CTD #41	0	btls	WHOI	16-58.90S	119-09.99E	g	VANC11MV
2003	200603	0	TDCT	E		558m		WHOI	16-58.90S	119-0****E	g	VANC11MV
2043	200603	0	TDCT	B	CTD #42	4	btls	WHOI	17-02.82S	119-13.89E	g	VANC11MV
2110	200603	0	TDCT	E		508m		WHOI	17-02.80S	119-13.90E	g	VANC11MV
2149	200603	0	TDCT	B	CTD #43	0	btls	WHOI	17-06.71S	119-17.78E	g	VANC11MV
2213	200603	0	TDCT	E		442m		WHOI	17-06.67S	119-17.82E	g	VANC11MV
2255	200603	0	TDCT	B	CTD #44	4	btls	WHOI	17-10.62S	119-21.70E	g	VANC11MV
2320	200603	0	TDCT	E		430m		WHOI	17-10.59S	119-21.67E	g	VANC11MV
2359	200603	0	TDCT	B	CTD #45	0	btls	WHOI	17-14.51S	119-25.64E	g	VANC11MV
0024	210603	0	TDCT	E		405m		WHOI	17-14.55S	119-25.60E	g	VANC11MV
0105	210603	0	TDCT	B	CTD #46	6	btls	WHOI	17-18.52S	119-29.60E	g	VANC11MV
0127	210603	0	TDCT	E		375m		WHOI	17-18.55S	119-29.66E	g	VANC11MV
0207	210603	0	TDCT	B	CTD #47	4	btls	WHOI	17-22.41S	119-33.50E	g	VANC11MV
0229	210603	0	TDCT	E		358m		WHOI	17-22.40S	119-33.52E	g	VANC11MV
0239	210603	0	TDHR	B	HRAD #2			AUA	17-22.38S	119-33.47E	g	VANC11MV
0301	210603	0	TDHR	E		100m		AUA	17-22.45S	119-33.52E	g	VANC11MV
0400	210603	0	TDCT	B	CTD #48	4	btls	WHOI	17-26.32S	119-37.41E	g	VANC11MV
0423	210603	0	TDCT	E		333m		WHOI	17-26.31S	119-37.42E	g	VANC11MV
0436	210603	0	TDHR	B	HRAD #3			AUA	17-26.34S	119-37.33E	g	VANC11MV
0500	210603	0	TDHR	E		100m		AUA	17-26.35S	119-37.09E	g	VANC11MV
0543	210603	0	TDCT	B	CTD #49	8	btls	WHOI	17-30.19S	119-41.28E	g	VANC11MV
0609	210603	0	TDCT	E		303m		WHOI	17-30.19S	119-41.29E	g	VANC11MV
0616	210603	0	TDHR	B	HRAD #4			AUA	17-30.22S	119-41.29E	g	VANC11MV
0649	210603	0	TDHR	E		100m		AUA	17-30.35S	119-41.38E	g	VANC11MV
0724	210603	0	TDCT	B	CTD #50	0	btls	WHOI	17-34.01S	119-45.29E	g	VANC11MV
0740	210603	0	TDCT	E		282m		WHOI	17-34.01S	119-45.29E	g	VANC11MV
0818	210603	0	TDCT	B	CTD #51	3	btls	WHOI	17-38.01S	119-49.18E	g	VANC11MV
0835	210603	0	TDCT	E		258m		WHOI	17-38.00S	119-49.20E	g	VANC11MV
0911	210603	0	TDCT	B	CTD #52	0	btls	WHOI	17-41.89S	119-53.08E	g	VANC11MV
0926	210603	0	TDCT	E		225m		WHOI	17-41.90S	119-53.09E	g	VANC11MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
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1003	210603	0	TDCT	B CTD #53	4 btls	WHOI 17-45.79S	119-56.93E	g		VANC11MV
1023	210603	0	TDCT	E	185m	WHOI 17-45.80S	119-57.01E	g		VANC11MV
1101	210603	0	TDCT	B CTD #54	0 btls	WHOI 17-49.68S	120-00.97E	g		VANC11MV
1114	210603	0	TDCT	E	157m	WHOI 17-49.71S	120-01.01E	g		VANC11MV
1204	210603	0	TDCT	B CTD #55	2 btls	WHOI 17-53.58S	120-04.89E	g		VANC11MV
1217	210603	0	TDCT	E	157m	WHOI 17-53.61S	120-04.85E	g		VANC11MV
1257	210603	0	TDCT	B CTD #56	0 btls	WHOI 17-57.52S	120-08.73E	g		VANC11MV
1309	210603	0	TDCT	E	154m	WHOI 17-57.57S	120-08.75E	g		VANC11MV
1356	210603	0	TDCT	B CTD #57	2 btls	WHOI 18-01.44S	120-12.82E	g		VANC11MV
1406	210603	0	TDCT	E	135m	WHOI 18-01.45S	120-12.86E	g		VANC11MV
1444	210603	0	TDCT	B CTD #58	0 btls	WHOI 18-05.32S	120-16.71E	g		VANC11MV
1458	210603	0	TDCT	E	115m	WHOI 18-05.40S	120-16.83E	g		VANC11MV
1536	210603	0	TDCT	B CTD #59	1 btls	WHOI 18-09.17S	120-20.67E	g		VANC11MV
1549	210603	0	TDCT	E	104m	WHOI 18-09.28S	120-20.74E	g		VANC11MV
1652	210603	0	TDCT	B CTD #60	0 btls	WHOI 18-13.14S	120-24.49E	g		VANC11MV
1705	210603	0	TDCT	E	93m	WHOI 18-13.18S	120-24.49E	g		VANC11MV
1747	210603	0	TDCT	B CTD #61	2 btls	WHOI 18-17.01S	120-28.54E	g		VANC11MV
1805	210603	0	TDCT	E	93m	WHOI 18-17.00S	120-28.53E	g		VANC11MV
1904	210603	0	TDCT	B CTD #62	1 btls	WHOI 18-20.90S	120-32.44E	g		VANC11MV
1917	210603	0	TDCT	E	84m	WHOI 18-20.88S	120-32.39E	g		VANC11MV
2000	210603	0	TDCT	B CTD #63	2 btls	WHOI 18-24.82S	120-36.32E	g		VANC11MV
2012	210603	0	TDCT	E	80m	WHOI 18-24.81S	120-36.32E	g		VANC11MV
2051	210603	0	TDCT	B CTD #64	1 btls	WHOI 18-28.72S	120-40.18E	g		VANC11MV
2100	210603	0	TDCT	E	78m	WHOI 18-28.65S	120-40.18E	g		VANC11MV
2137	210603	0	TDCT	B CTD #65	2 btls	WHOI 18-32.61S	120-44.09E	g		VANC11MV
2145	210603	0	TDCT	E	69m	WHOI 18-32.62S	120-44.10E	g		VANC11MV
2230	210603	0	TDCT	B CTD #66	0 btls	WHOI 18-36.52S	120-48.07E	g		VANC11MV
2242	210603	0	TDCT	E	64m	WHOI 18-36.50S	120-48.11E	g		VANC11MV
2321	210603	0	TDCT	B CTD #67	0 btls	WHOI 18-40.51S	120-51.99E	g		VANC11MV
2331	210603	0	TDCT	E	59m	WHOI 18-40.51S	120-52.01E	g		VANC11MV
0012	220603	0	TDCT	B CTD #68	4 btls	WHOI 18-44.36S	120-56.01E	g		VANC11MV
0026	220603	0	TDCT	E	53m	WHOI 18-44.36S	120-55.98E	g		VANC11MV
0109	220603	0	TDCT	B CTD #69	6 btls	WHOI 18-48.31S	120-59.89E	g		VANC11MV
0119	220603	0	TDCT	E	47m	WHOI 18-48.30S	120-59.92E	g		VANC11MV
0157	220603	0	TDCT	B CTD #70	2 btls	WHOI 18-52.23S	121-03.80E	g		VANC11MV
0210	220603	0	TDCT	E	38m	WHOI 18-52.19S	121-03.82E	g		VANC11MV
0216	220603	0	TDHR	B HRAD #5		AUA 18-52.23S	121-03.82E	g		VANC11MV
0227	220603	0	TDHR	E	35m	AUA 18-52.32S	121-03.77E	g		VANC11MV
0304	220603	0	TDCT	B CTD #71	2 btls	WHOI 18-56.14S	121-07.70E	g		VANC11MV
0315	220603	0	TDCT	E	31m	WHOI 18-56.12S	121-07.80E	g		VANC11MV
0323	220603	0	TDHR	B HRAD #6		AUA 18-56.16S	121-07.77E	g		VANC11MV
0329	220603	0	TDHR	E	25m	AUA 18-56.25S	121-07.76E	g		VANC11MV
1725	220603	0	TDCT	B CTD #72	4 btls	WHOI 16-37.39S	121-51.15E	g		VANC11MV
1734	220603	0	TDCT	E	39m	WHOI 16-37.39S	121-51.14E	g		VANC11MV
1820	220603	0	TDCT	B CTD #73	0 btls	WHOI 16-34.07S	121-46.64E	g		VANC11MV
1830	220603	0	TDCT	E	44m	WHOI 16-34.07S	121-46.63E	g		VANC11MV
1911	220603	0	TDCT	B CTD #74	0 btls	WHOI 16-30.70S	121-42.21E	g		VANC11MV
1920	220603	0	TDCT	E	43m	WHOI 16-30.69S	121-42.21E	g		VANC11MV
2000	220603	0	TDCT	B CTD #75	0 btls	WHOI 16-27.38S	121-37.73E	g		VANC11MV
2009	220603	0	TDCT	E	47m	WHOI 16-27.39S	121-37.73E	g		VANC11MV
2046	220603	0	TDCT	B CTD #76	2 btls	WHOI 16-24.08S	121-33.32E	g		VANC11MV
2055	220603	0	TDCT	E	53m	WHOI 16-24.09S	121-33.32E	g		VANC11MV
2133	220603	0	TDCT	B CTD #77	0 btls	WHOI 16-20.69S	121-28.83E	g		VANC11MV
2141	220603	0	TDCT	E	59m	WHOI 16-20.69S	121-28.80E	g		VANC11MV
2220	220603	0	TDCT	B CTD #78	2 btls	WHOI 16-17.48S	121-24.45E	g		VANC11MV
2234	220603	0	TDCT	E	63m	WHOI 16-17.42S	121-24.53E	g		VANC11MV
2315	220603	0	TDCT	B CTD #79	0 btls	WHOI 16-14.08S	121-19.94E	g		VANC11MV
2323	220603	0	TDCT	E	71m	WHOI 16-14.10S	121-19.97E	g		VANC11MV
0005	230603	0	TDCT	B CTD #80	4 btls	WHOI 16-10.83S	121-15.57E	g		VANC11MV
0018	230603	0	TDCT	E	78m	WHOI 16-10.83S	121-15.63E	g		VANC11MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP					p	CRUISE
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0059	230603	0	TDCT	B CTD #81	0 btls	WHOI 16-07.43S	121-11.17E	g	VANC11MV		
0111	230603	0	TDCT	E	81m	WHOI 16-07.46S	121-11.24E	g	VANC11MV		
0152	230603	0	TDCT	B CTD #82	6 btls	WHOI 16-04.13S	121-06.68E	g	VANC11MV		
0206	230603	0	TDCT	E	74m	WHOI 16-04.13S	121-06.72E	g	VANC11MV		
0245	230603	0	TDCT	B CTD #83	2 btls	WHOI 16-00.81S	121-02.32E	g	VANC11MV		
0256	230603	0	TDCT	E	60m	WHOI 16-00.83S	121-02.36E	g	VANC11MV		
0305	230603	0	TDHR	B HRAD #7		AUA 16-00.84S	121-02.26E	g	VANC11MV		
0317	230603	0	TDHR	E	35m	AUA 16-00.97S	121-02.27E	g	VANC11MV		
0400	230603	0	TDCT	B CTD #84	4 btls	WHOI 15-57.56S	120-57.80E	g	VANC11MV		
0419	230603	0	TDCT	E	182m	WHOI 15-57.50S	120-57.83E	g	VANC11MV		
0441	230603	0	TDHR	B HRAD #8		AUA 15-57.51S	120-57.84E	g	VANC11MV		
0503	230603	0	TDHR	E	100m	AUA 15-57.52S	120-57.81E	g	VANC11MV		
0546	230603	0	TDCT	B CTD #85	4 btls	WHOI 15-54.22S	120-53.49E	g	VANC11MV		
0606	230603	0	TDCT	E	266m	WHOI 15-54.19S	120-53.50E	g	VANC11MV		
0614	230603	0	TDHR	B HRAD #9		AUA 15-54.23S	120-53.54E	g	VANC11MV		
0636	230603	0	TDHR	E	100m	AUA 15-54.23S	120-53.53E	g	VANC11MV		
0718	230603	0	TDCT	B CTD #86	0 btls	WHOI 15-50.81S	120-48.99E	g	VANC11MV		
0736	230603	0	TDCT	E	314m	WHOI 15-50.79S	120-48.99E	g	VANC11MV		
0814	230603	0	TDCT	B CTD #87	6 btls	WHOI 15-47.52S	120-44.59E	g	VANC11MV		
0839	230603	0	TDCT	E	368m	WHOI 15-47.48S	120-44.58E	g	VANC11MV		
0925	230603	0	TDCT	B CTD #88	0 btls	WHOI 15-44.10S	120-40.06E	g	VANC11MV		
1000	230603	0	TDCT	E	445m	WHOI 15-44.12S	120-40.10E	g	VANC11MV		
1039	230603	0	TDCT	B CTD #89	4 btls	WHOI 15-40.85S	120-35.67E	g	VANC11MV		
1108	230603	0	TDCT	E	503m	WHOI 15-40.80S	120-35.70E	g	VANC11MV		
1144	230603	0	TDCT	B CTD #90	0 btls	WHOI 15-37.64S	120-31.28E	g	VANC11MV		
1223	230603	0	TDCT	E	568m	WHOI 15-37.82S	120-31.39E	g	VANC11MV		
1307	230603	0	TDCT	B CTD #91	2 btls	WHOI 15-34.14S	120-26.78E	g	VANC11MV		
1341	230603	0	TDCT	E	718m	WHOI 15-34.15S	120-26.79E	g	VANC11MV		
1426	230603	0	TDCT	B CTD #92	0 btls	WHOI 15-30.96S	120-22.43E	g	VANC11MV		
1520	230603	0	TDCT	E	1068m	WHOI 15-30.96S	120-22.43E	g	VANC11MV		
1604	230603	0	TDCT	B CTD #93	3 btls	WHOI 15-27.57S	120-18.08E	g	VANC11MV		
1712	230603	0	TDCT	E	1363m	WHOI 15-27.60S	120-18.10E	g	VANC11MV		
1755	230603	0	TDCT	B CTD #94	0 btls	WHOI 15-24.19S	120-13.57E	g	VANC11MV		
1902	230603	0	TDCT	E	1518m	WHOI 15-24.19S	120-13.58E	g	VANC11MV		
1945	230603	0	TDCT	B CTD #95	0 btls	WHOI 15-20.92S	120-09.18E	g	VANC11MV		
2104	230603	0	TDCT	E	1650m	WHOI 15-20.90S	120-09.20E	g	VANC11MV		
2300	230603	0	TDCT	B CTD #96	4 btls	WHOI 15-17.63S	120-04.82E	g	VANC11MV		
0008	240603	0	TDCT	E	1743m	WHOI 15-17.60S	120-04.80E	g	VANC11MV		
0111	240603	0	TDCT	B CTD #97	8 btls	WHOI 15-14.00S	119-55.59E	g	VANC11MV		
0148	240603	0	TDCT	E	1947m	WHOI 15-14.00S	119-55.60E	g	VANC11MV		
0251	240603	0	TDCT	B CTD #98	0 btls	WHOI 15-10.89S	119-46.36E	g	VANC11MV		
0322	240603	0	TDCT	E	2124m	WHOI 15-10.90S	119-46.40E	g	VANC11MV		

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	---	-----	-----	-----	---	-----	-----	-----	---	-----
#*** Seasoar Deployment ***										
0436	240603	0	TDSB	B Seasoar Deployed	WHOI	15-07.24S	119-38.42E	g		VANC11MV
0651	300603	0	TDSB	E Recovered	WHOI	18-43.99S	117-42.56E	g		VANC11MV
0911	300603	0	TDSB	B Seasoar Deployed	WHOI	18-45.10S	117-51.73E	g		VANC11MV
0015	090703	0	TDSB	E Recovered	WHOI	18-33.24S	117-45.34E	g		VANC11MV
0457	090703	0	TDSB	B MiniBat Deployed	WHOI	18-55.06S	117-57.40E	g		VANC11MV
0850	100703	0	TDSB	E Recovered	WHOI	19-41.40S	118-40.28E	g		VANC11MV
1018	100703	0	TDSB	B MiniBat Deployed	WHOI	19-36.56S	118-37.58E	g		VANC11MV
1340	100703	0	TDSB	E Recovered	WHOI	19-46.57S	118-39.99E	g		VANC11MV
1439	100703	0	TDSB	B MiniBat Deployed	WHOI	19-45.70S	118-41.96E	g		VANC11MV
0315	120703	0	TDSB	E Recovered	WHOI	19-48.17S	118-37.15E	g		VANC11MV
0351	120703	0	TDSB	B MiniBat Deployed	WHOI	19-49.26S	118-35.03E	g		VANC11MV
2330	120703	0	TDSB	E Recovered	WHOI	19-36.09S	118-24.74E	g		VANC11MV
#*** Expendable Bathythermographs ***										
1310	190603	0	BTXP	MK21 # 1 Fast_Deep	GDC	18-08.09S	117-29.99E	g		VANC11MV
0904	250603	0	BTXP	MK21 # 2 Fast_Deep	GDC	15-44.00S	119-58.02E	g		VANC11MV
1352	270603	0	BTXP	MK21 # 3 Fast_Deep	GDC	16-47.39S	118-48.94E	g		VANC11MV
1445	290603	0	BTXP	MK21 # 4 Fast_Deep	GDC	18-00.49S	117-26.82E	g		VANC11MV
1456	290603	0	BTXP	MK21 # 5 Fast_Deep	GDC	18-01.72S	117-27.51E	g		VANC11MV
2205	130703	0	BTXP	MK21 # 6 Fast_Deep	GDC	16-32.15S	120-18.69E	g		VANC11MV
2200	140703	0	BTXP	MK21 # 7 Fast_Deep	GDC	13-00.29S	123-31.96E	g		VANC11MV
#				End Sample Index						VANC11MV