

*Report and Index of
Underway Marine Geophysical Data*

Vancouver Expedition

Leg 3

(VANC03MV)

R/V Melville

(Issued December 2002)

Ports:

Puerto Caldera, Costa Rica (13 October 2002)

to

Arica, Chile (30 October 2002)

Chief Scientist: Robert Weller

Woods Hole Oceanographic Institution

rweller@whoi.edu

Computer Tech - Dan Jacobson

Resident Tech - Ron Comer

Post-Cruise processing and report preparation by

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 cruise 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 the Shipboard Technical Support Group, Scripps Institution of Oceanography, La Jolla, California 92093-0223.

GDC 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.

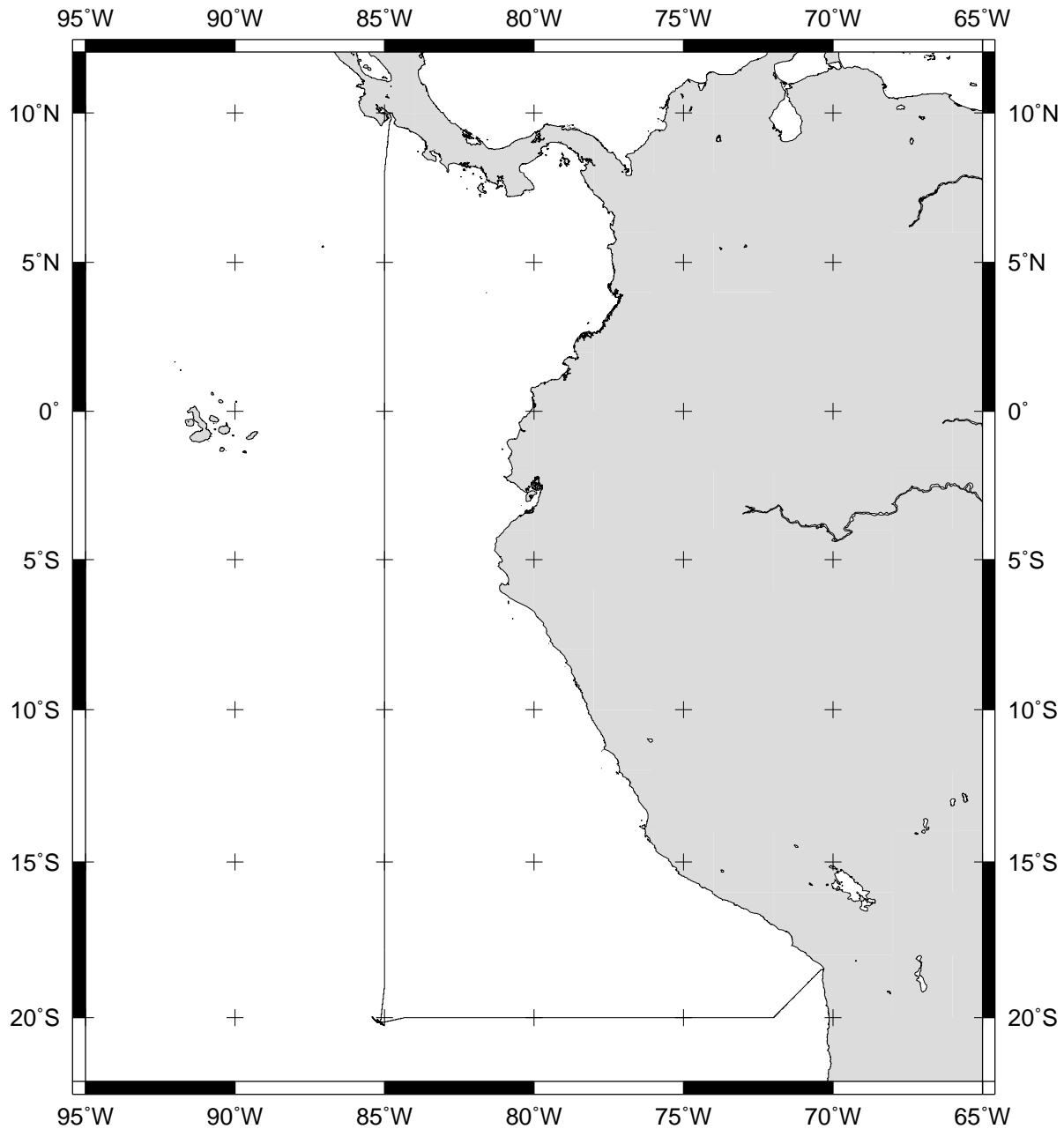
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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 3 (VANC03MV)

CHIEF SCIENTIST: Robert Weller, Woods Hole

PORTS: Puerta Caldera, Costa Rica - Arica, Chile

DATES: 13 - 30 October 2002

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-2841 miles

Magnetics-1423 miles

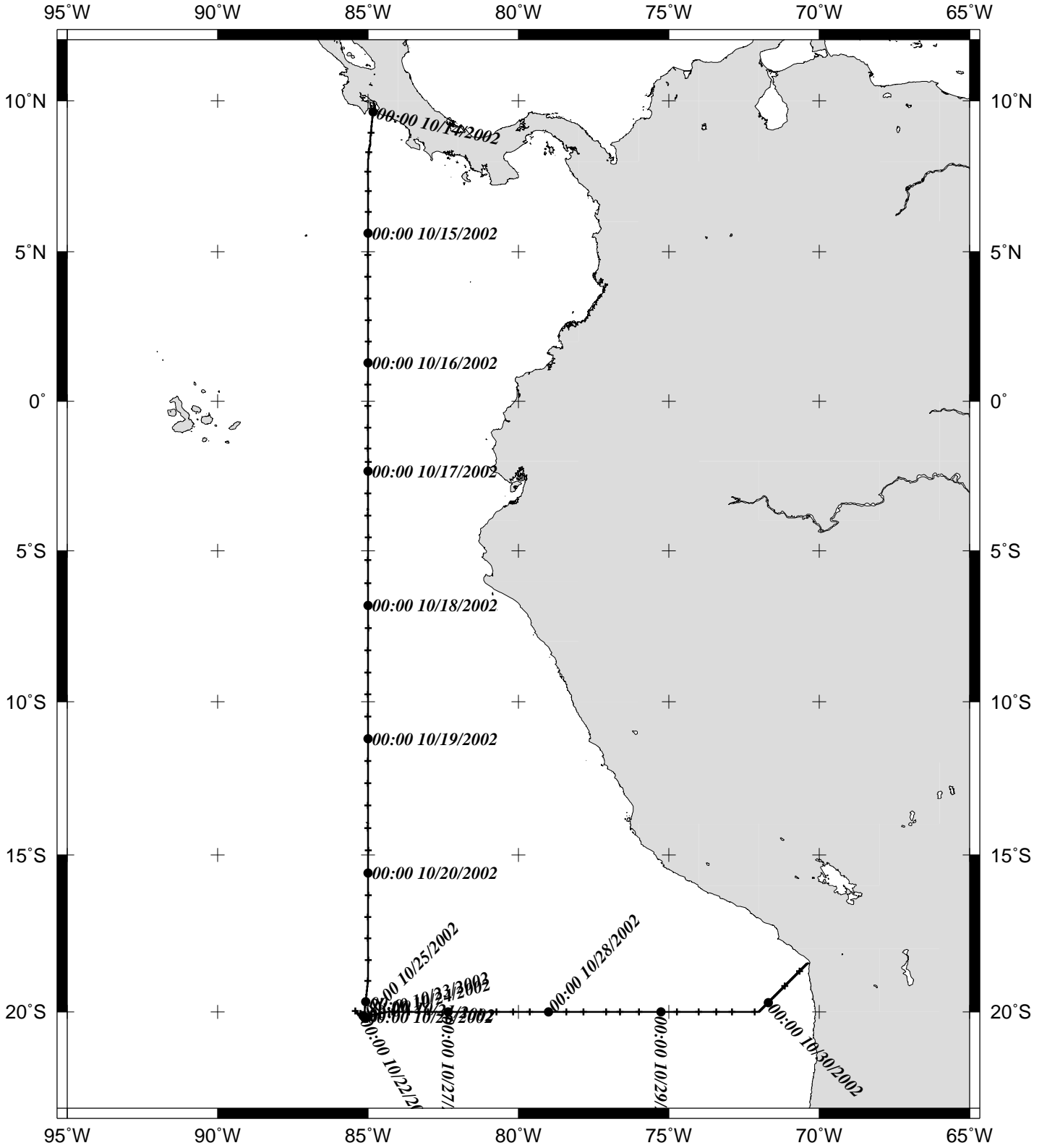
Bathymetry-2490 miles

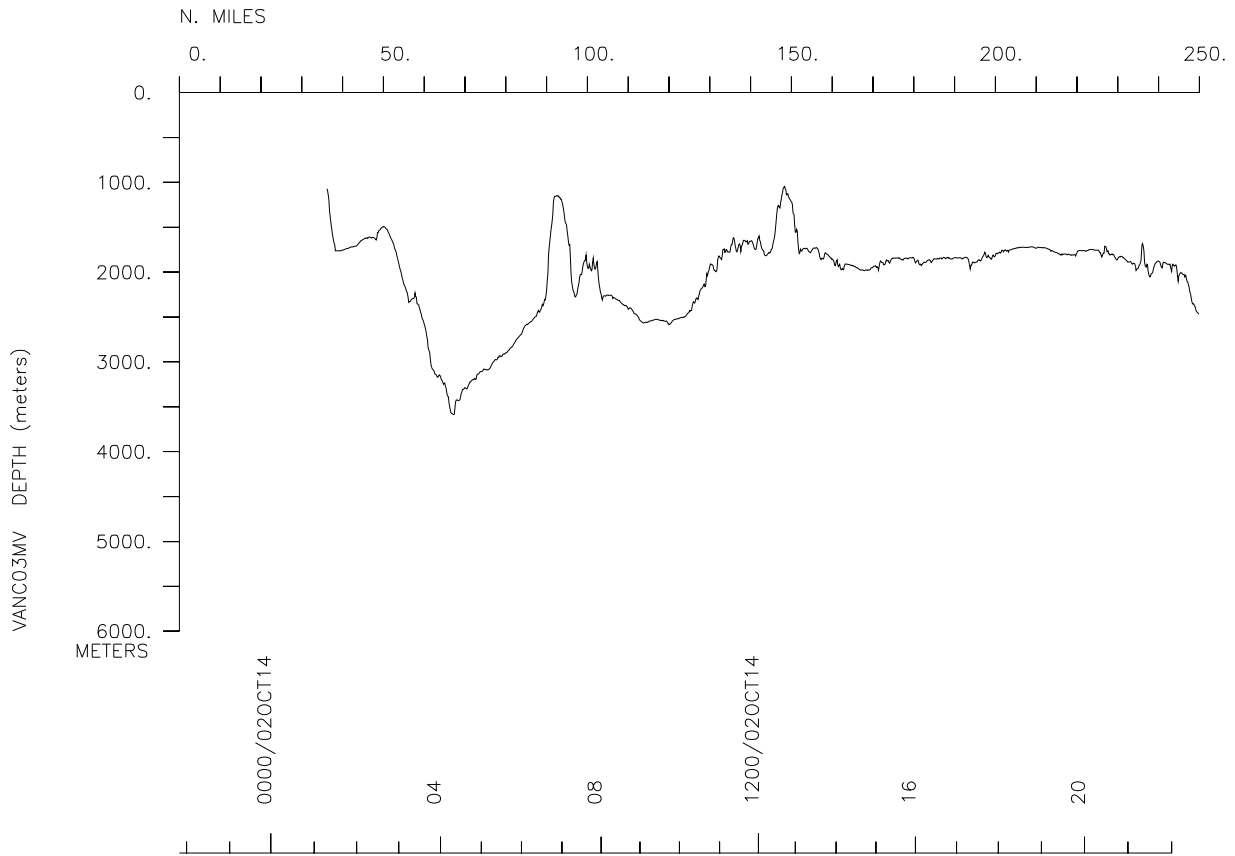
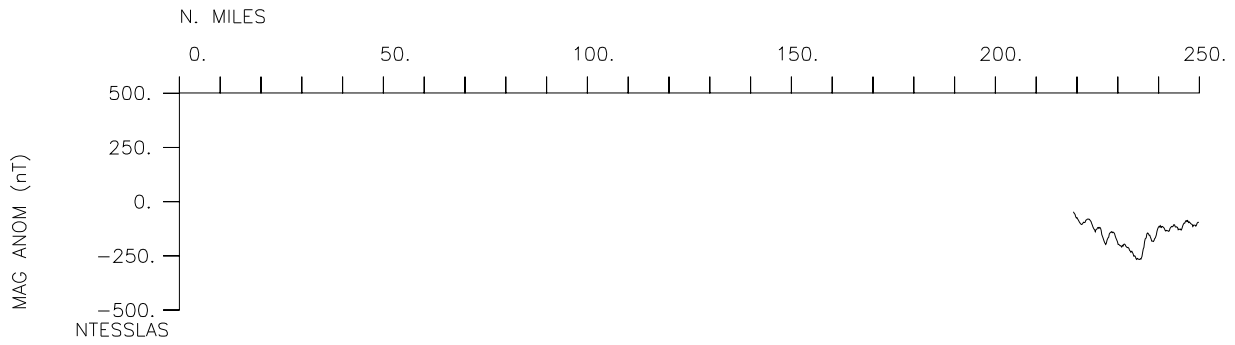
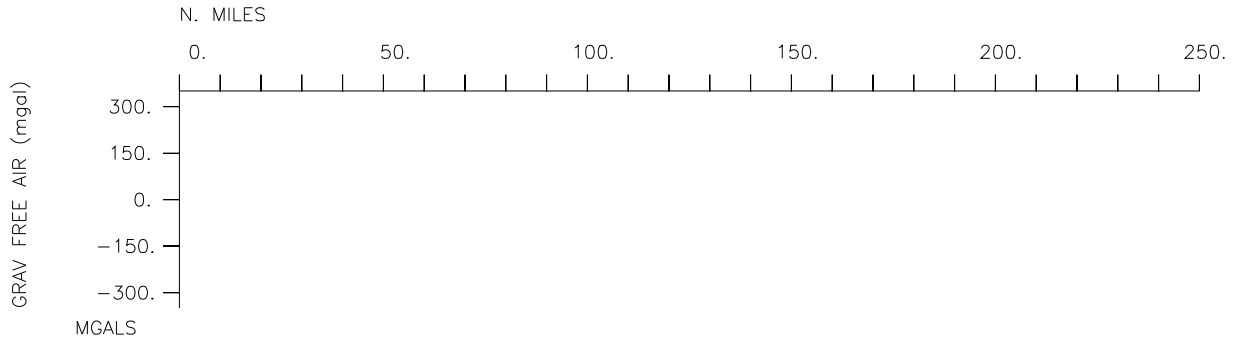
Seismic Reflection-none collected

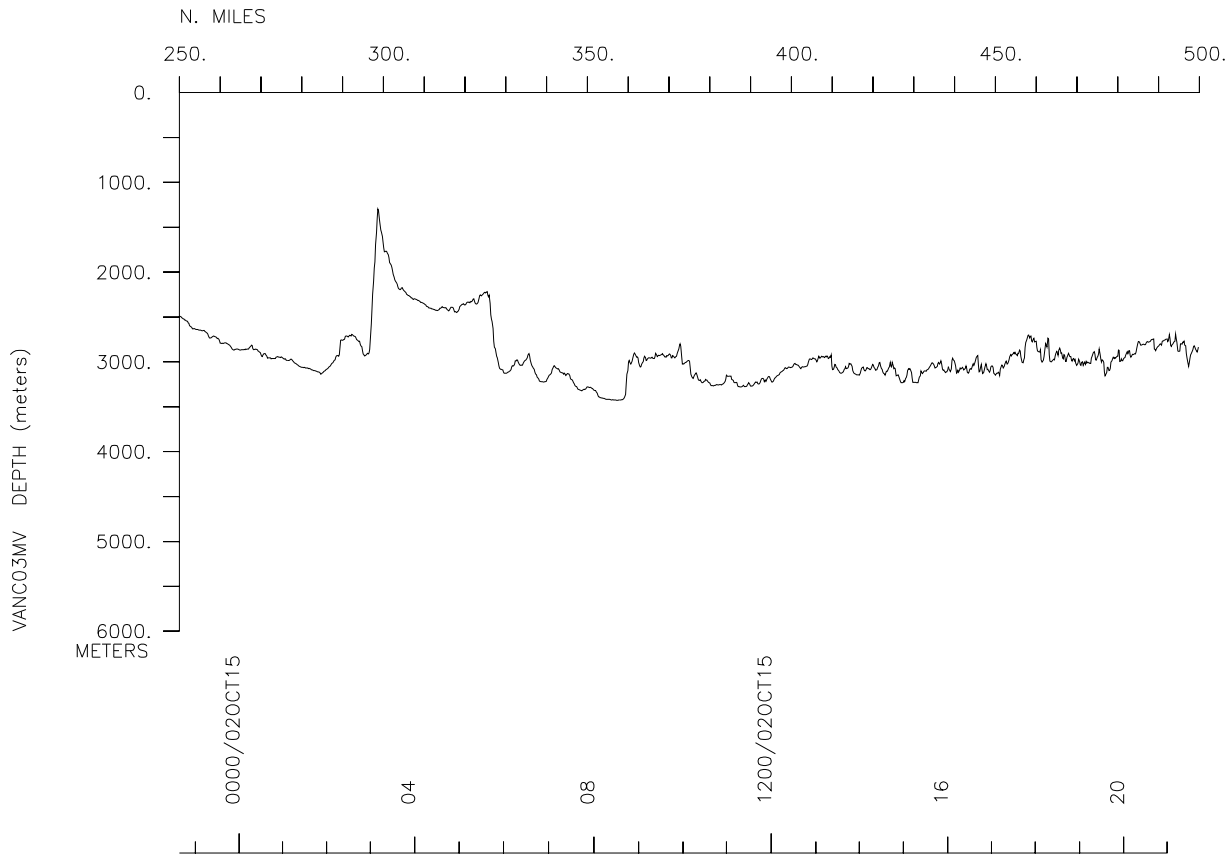
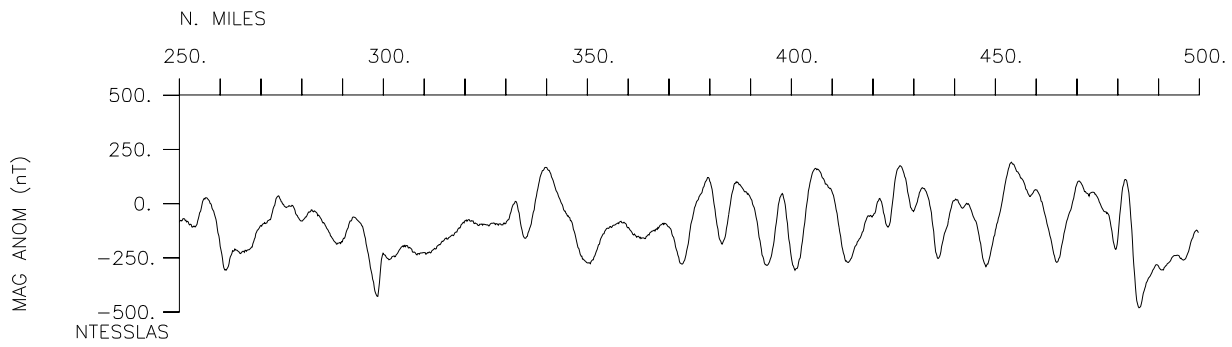
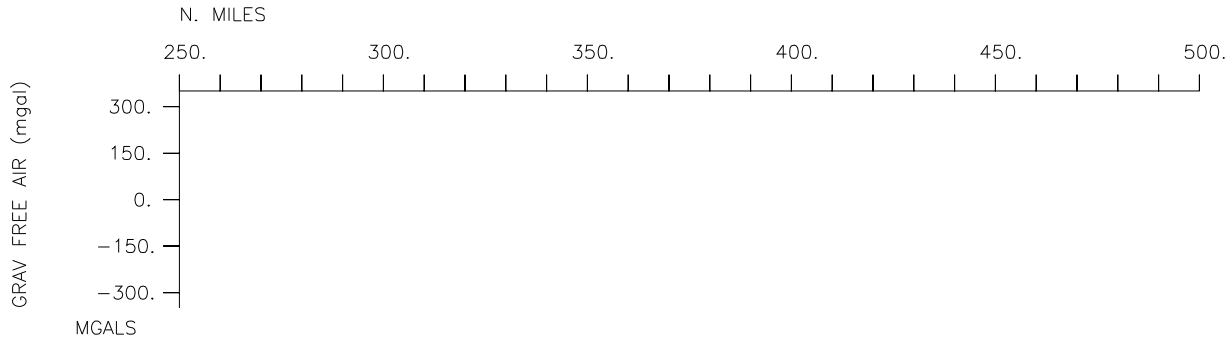
Multibeam-2490 miles

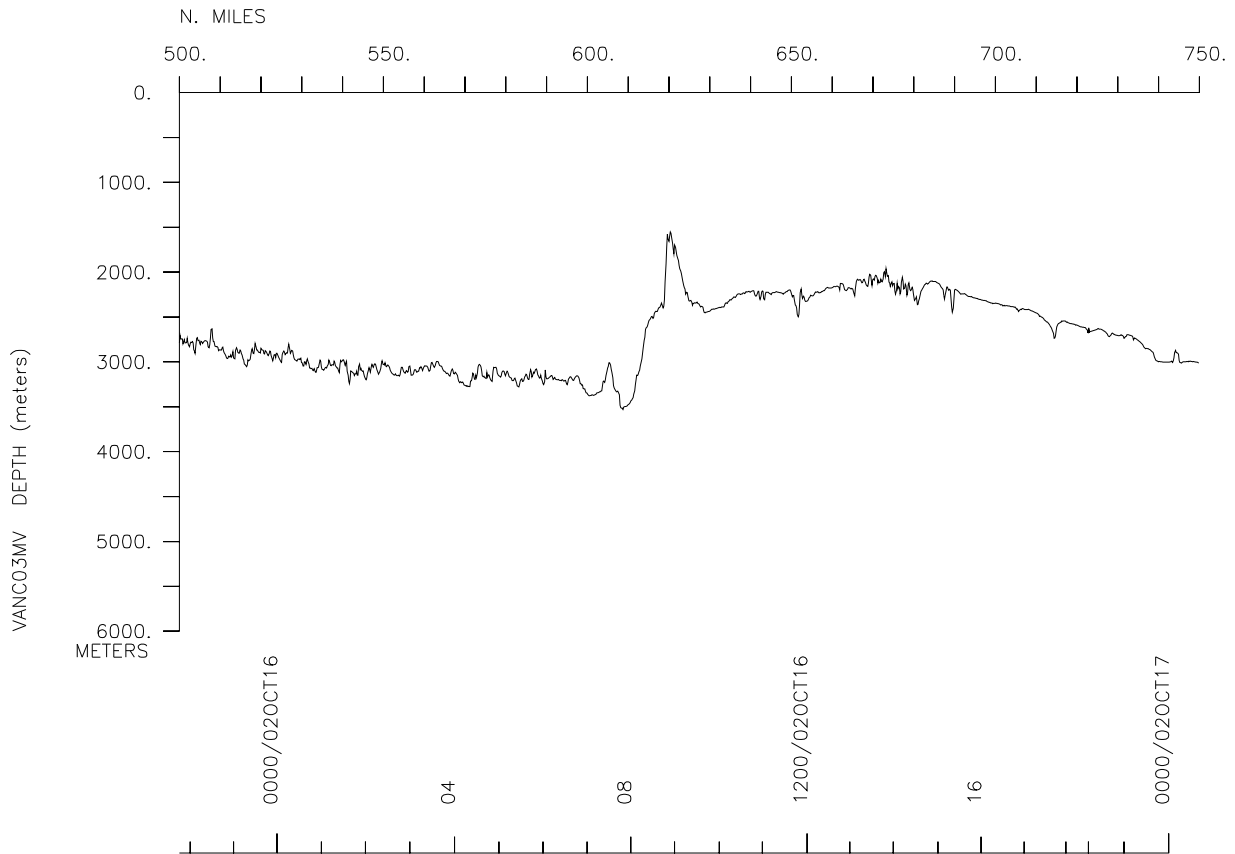
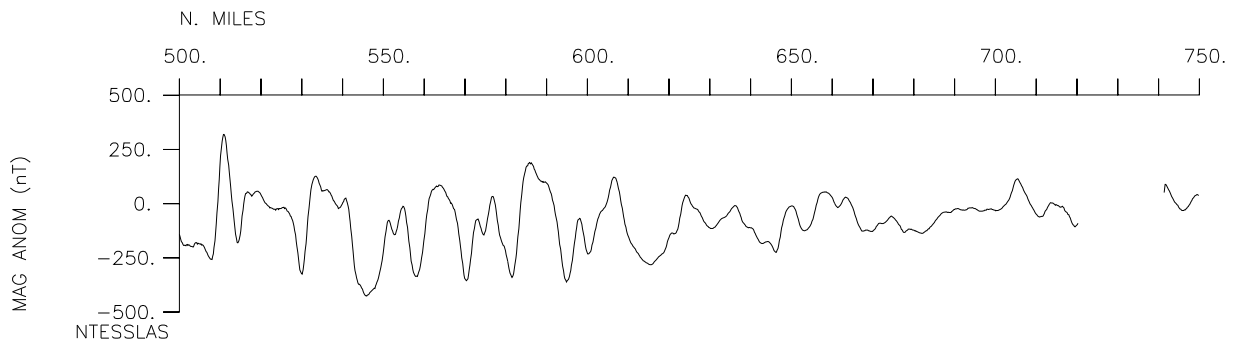
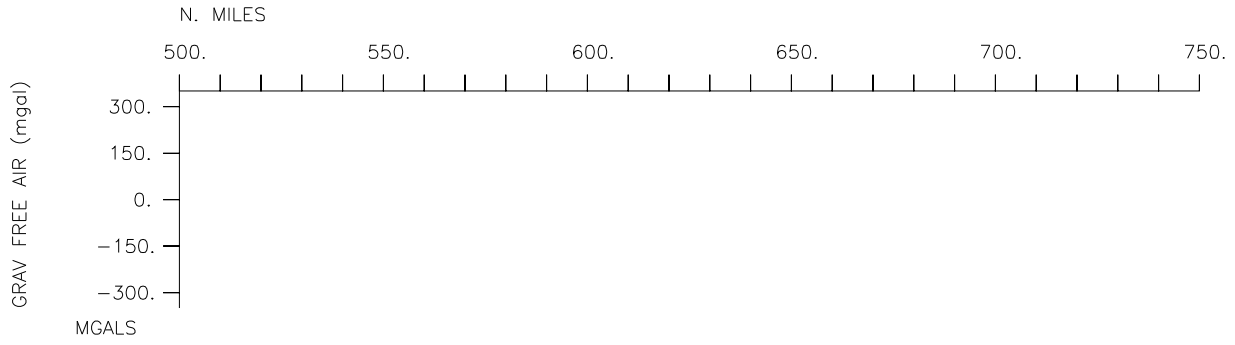
Gravity-none collected

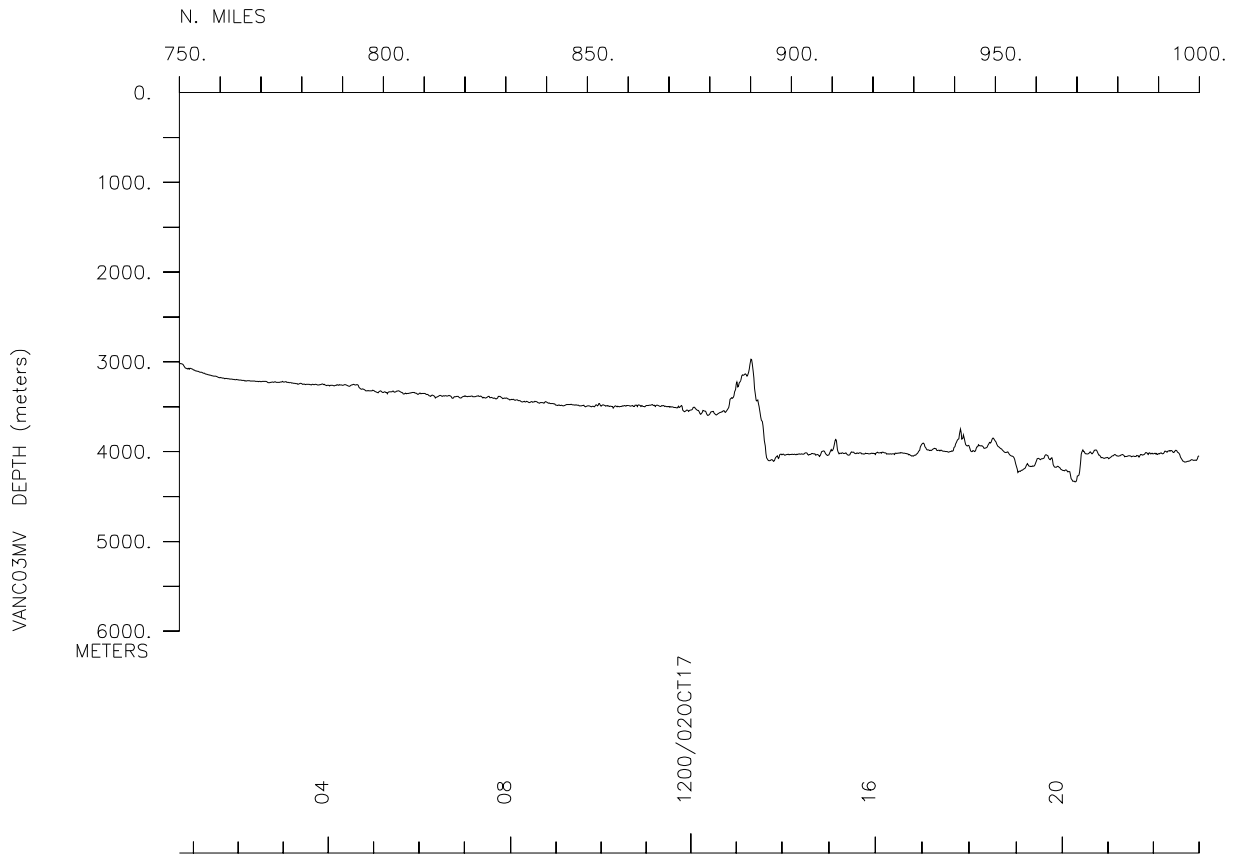
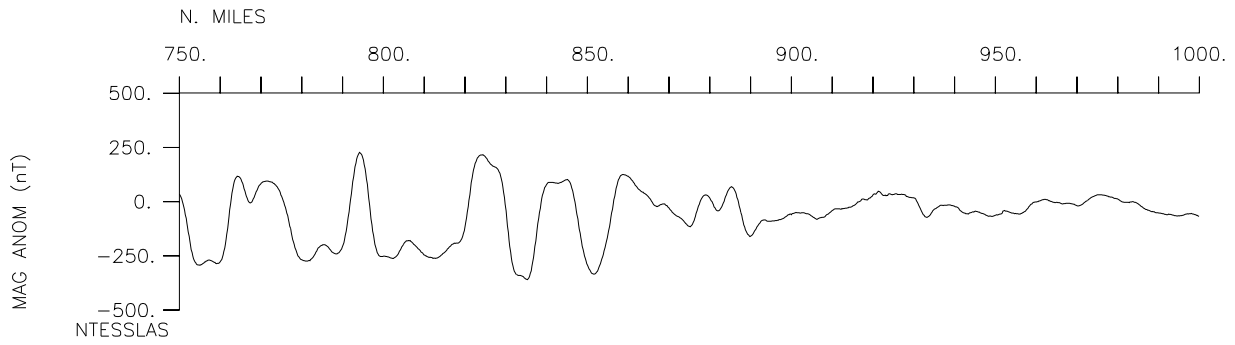
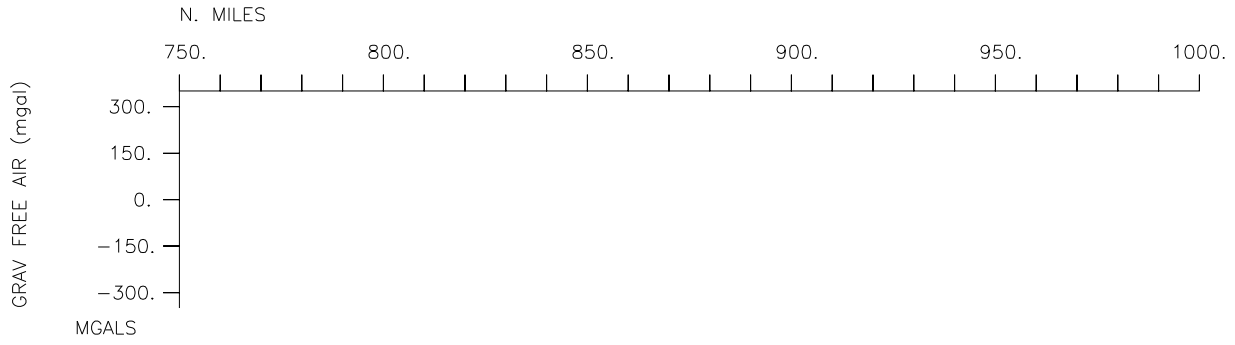
VANC03MV

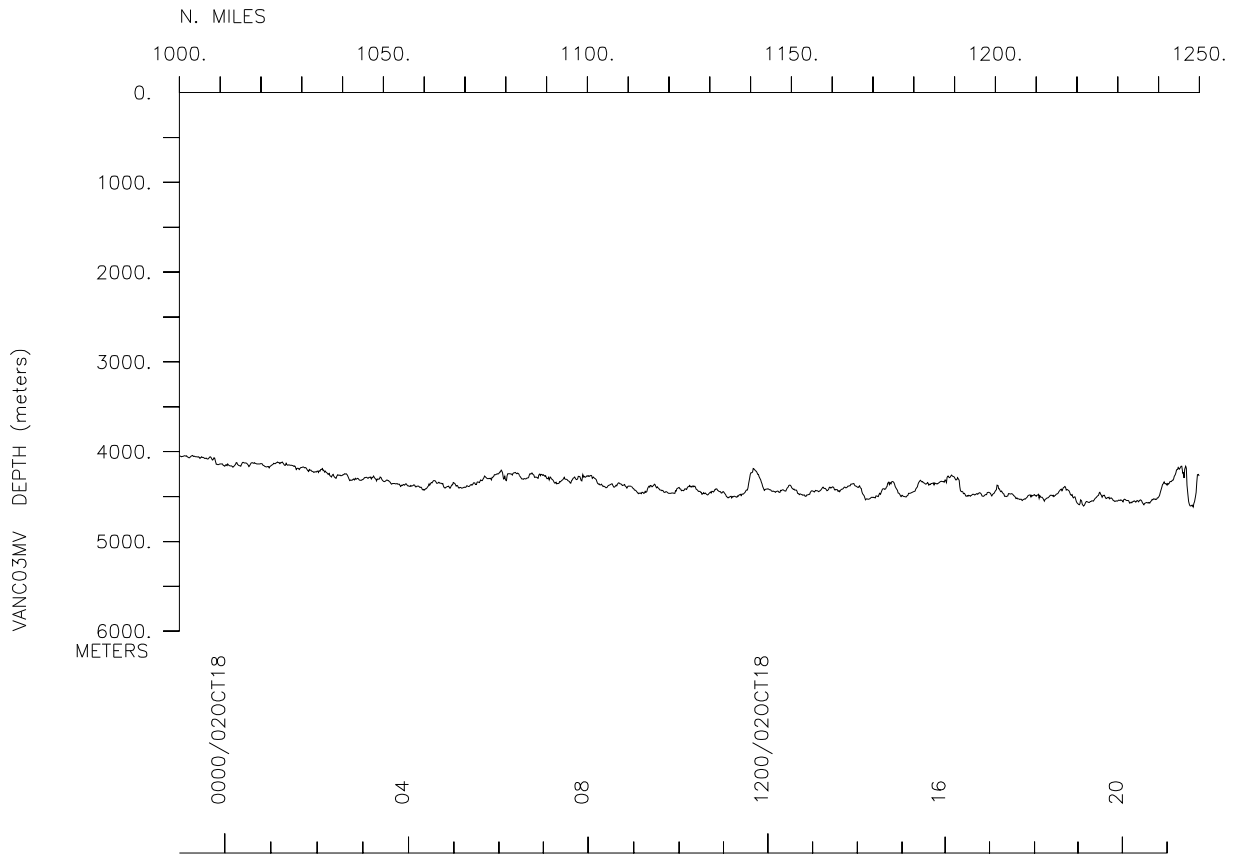
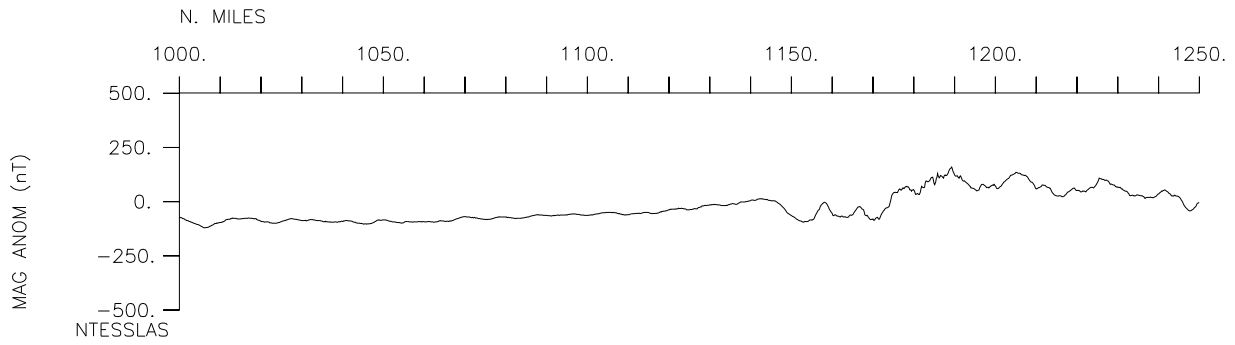
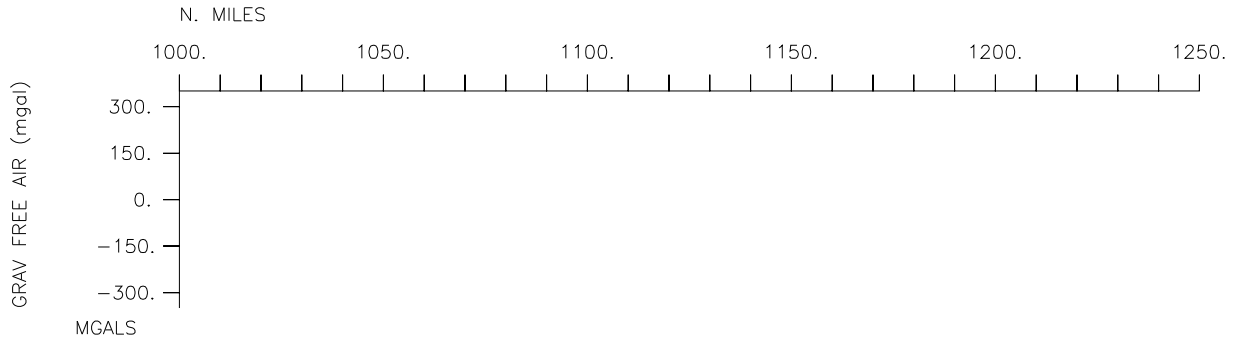


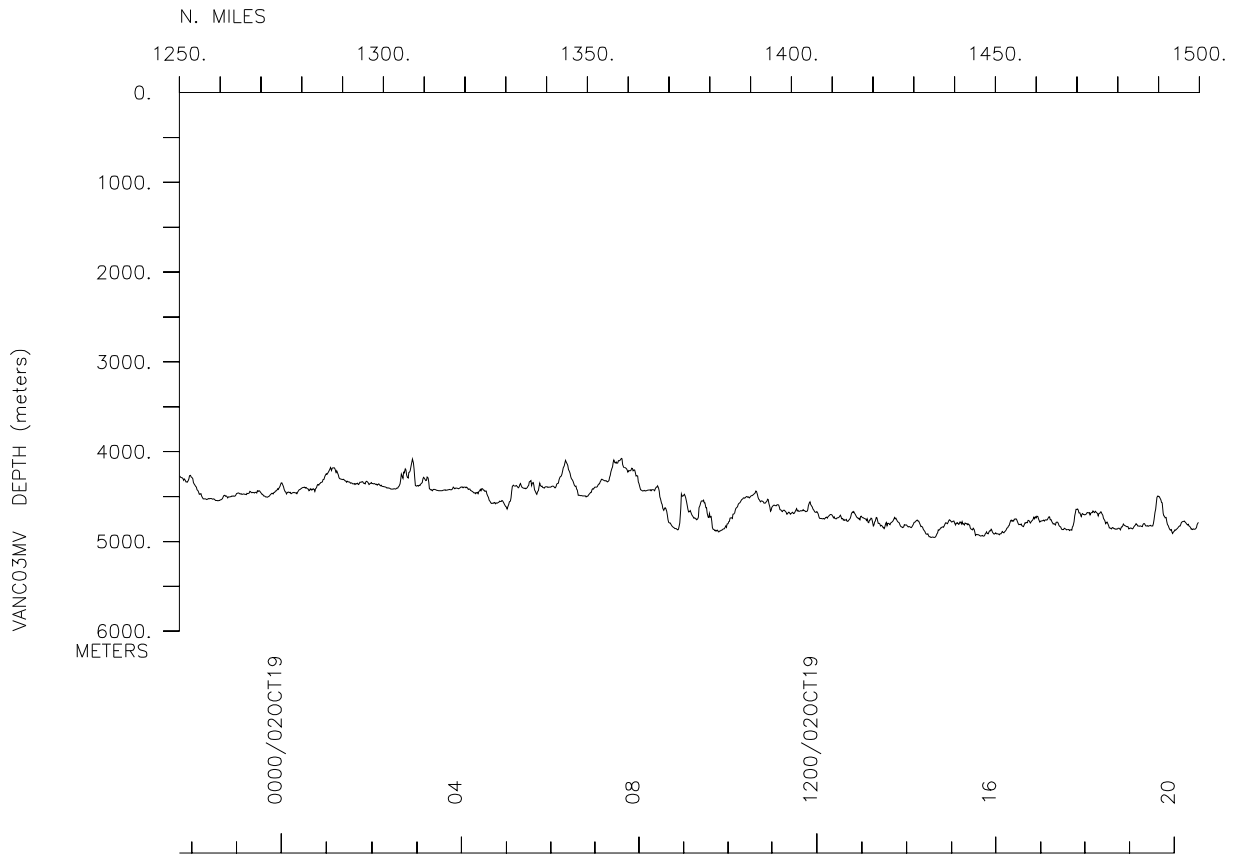
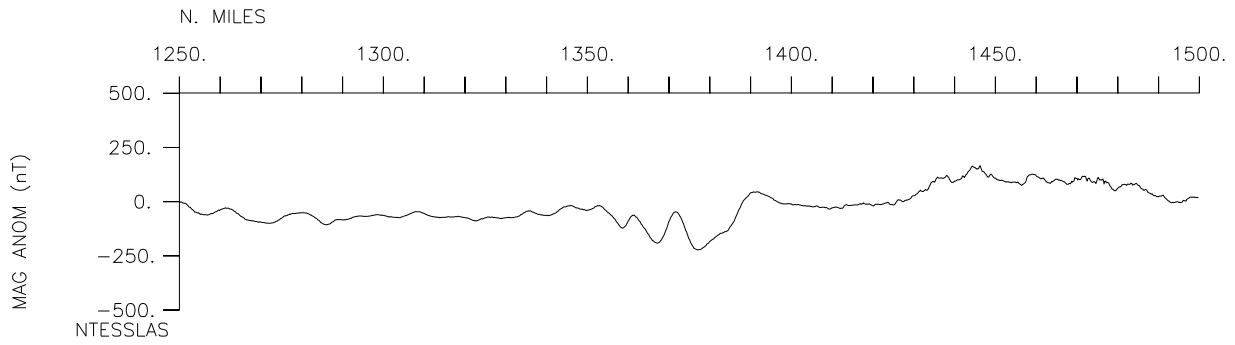
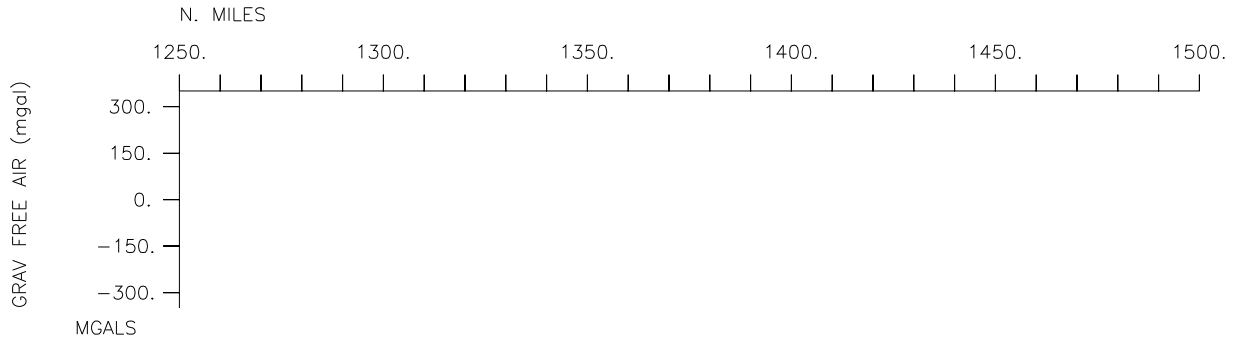


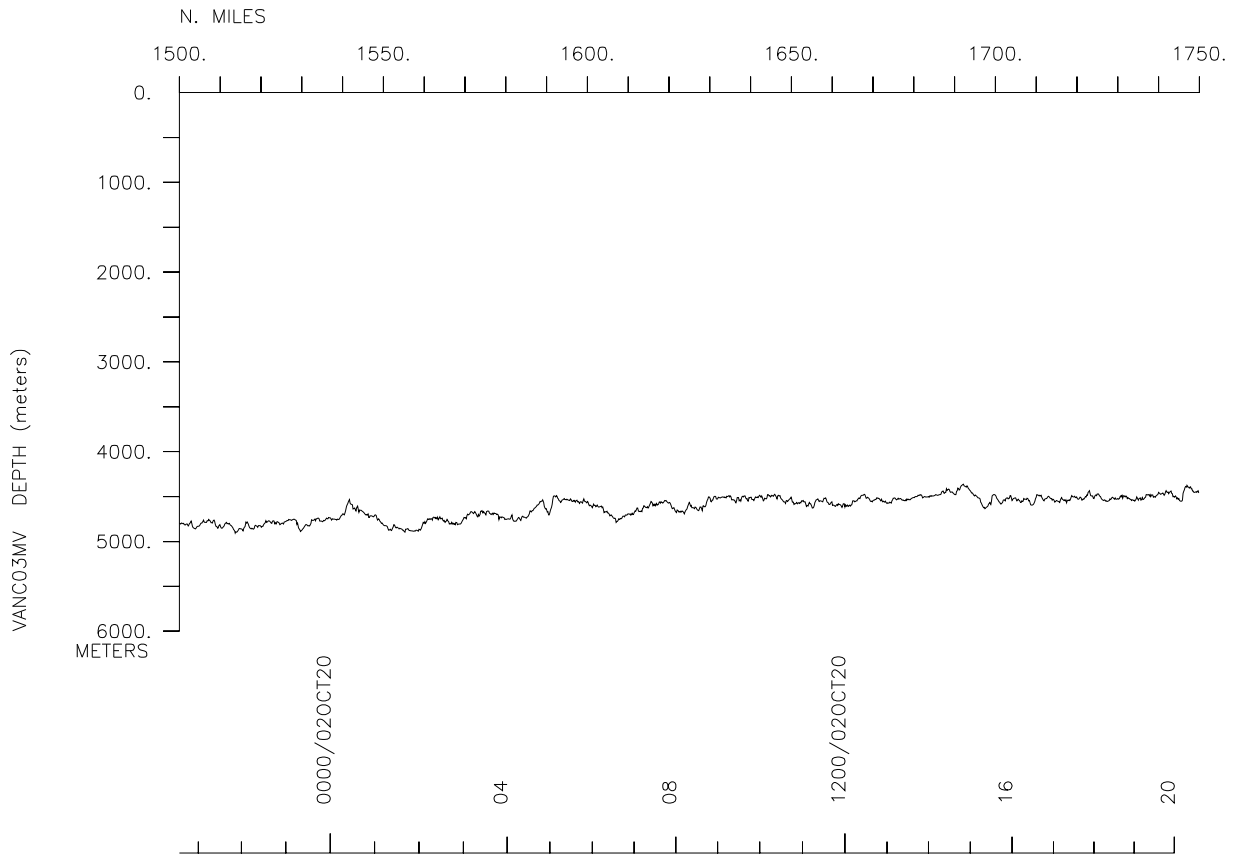
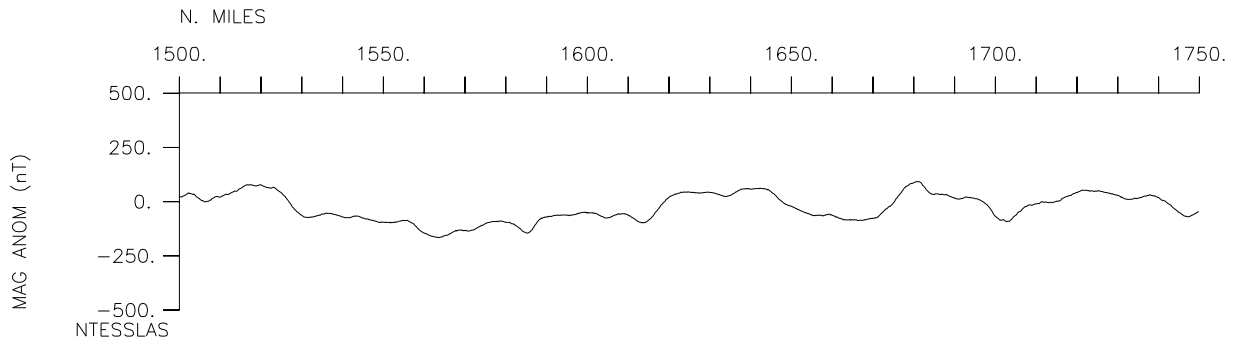
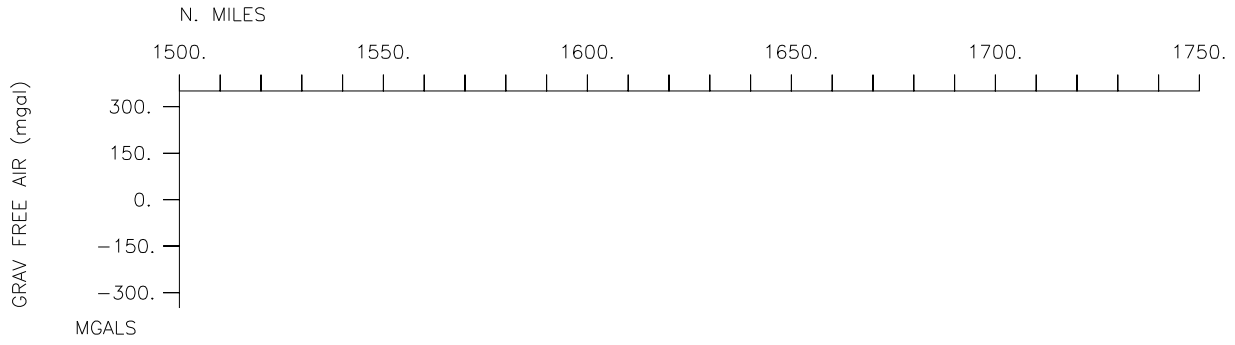


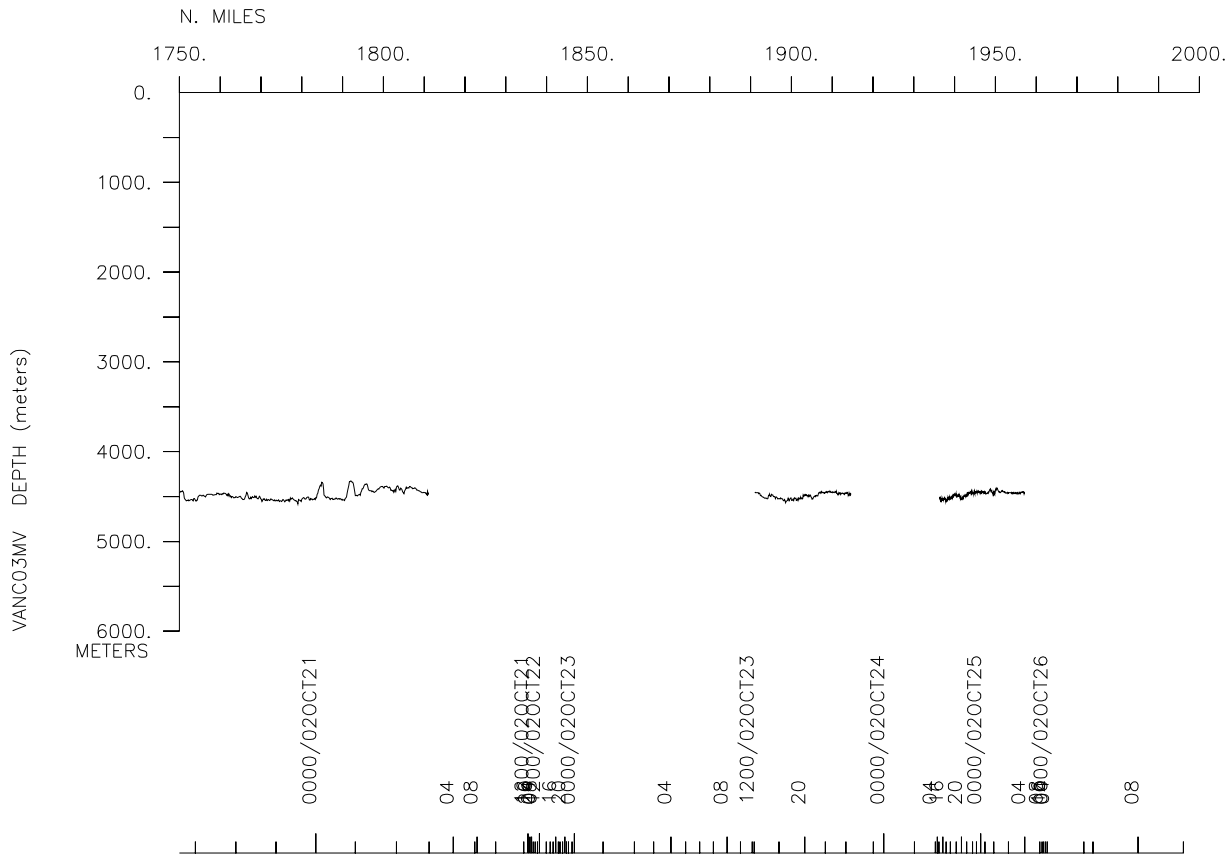
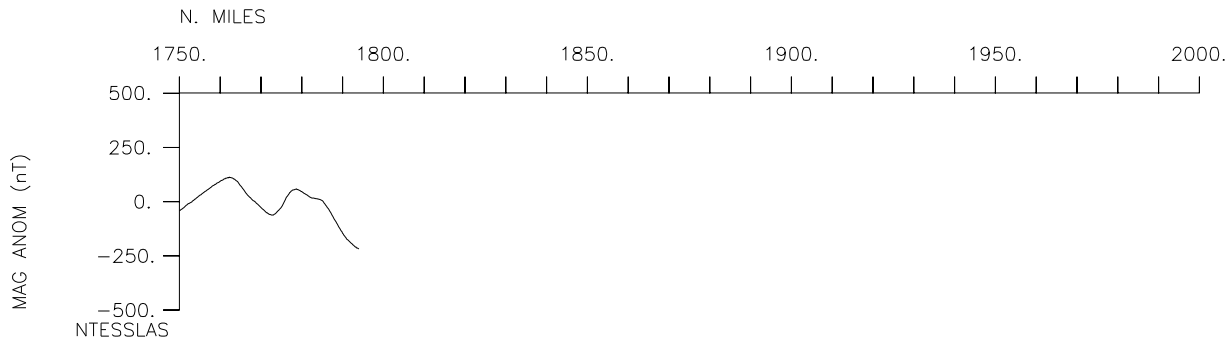
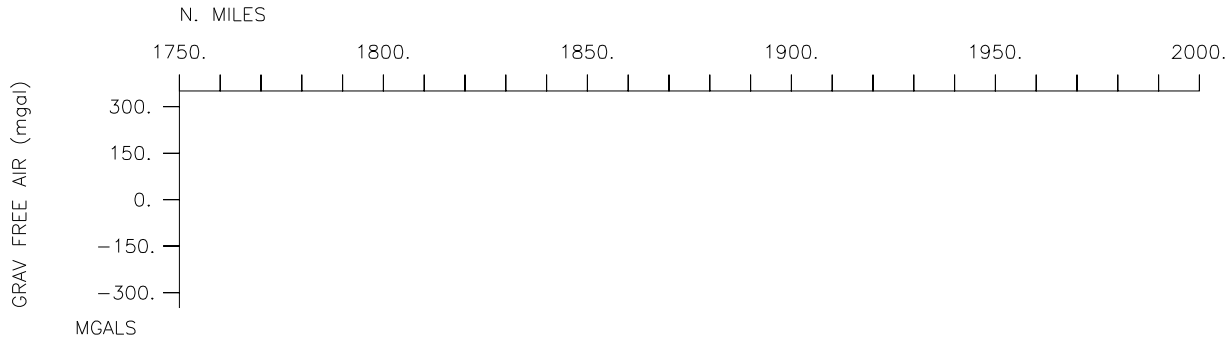


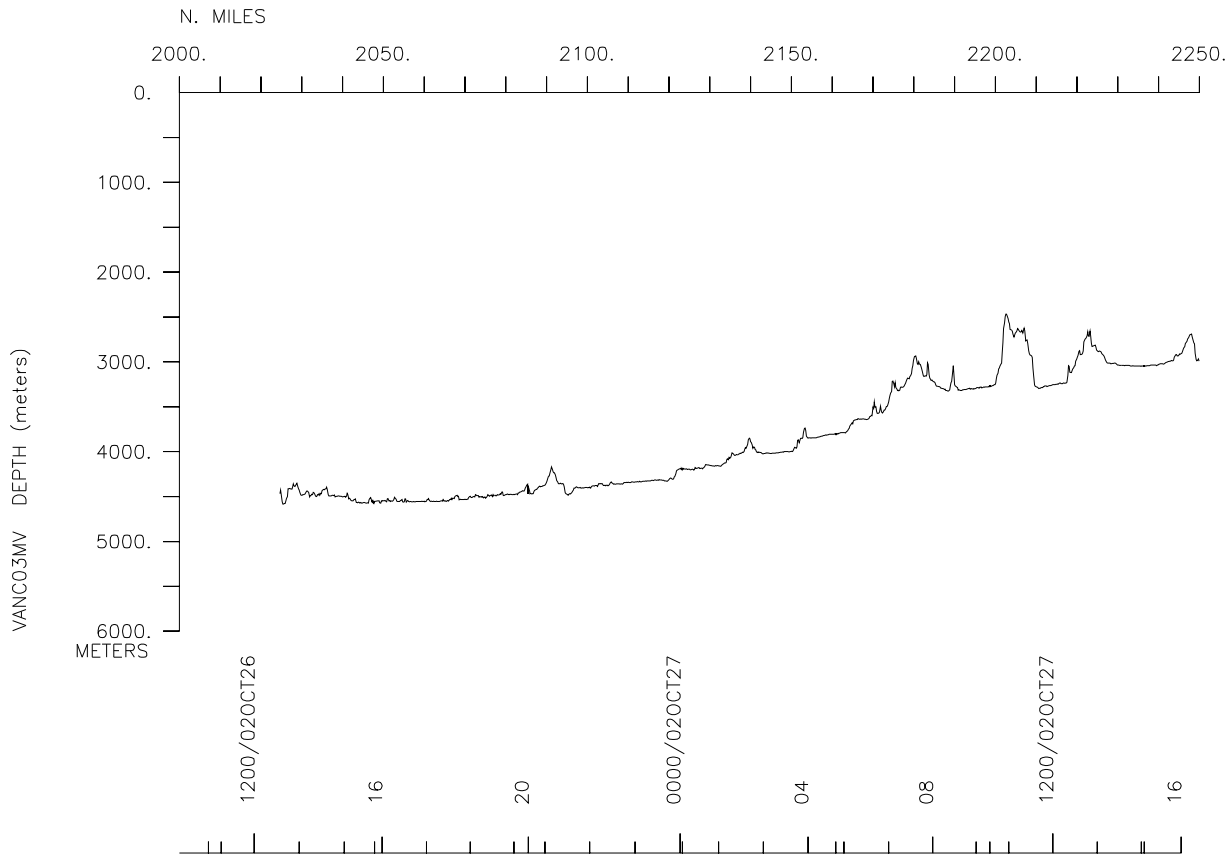
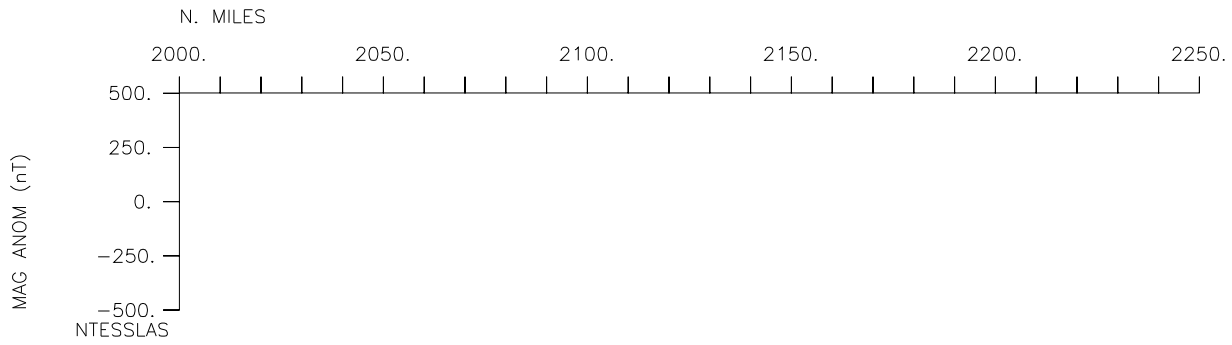
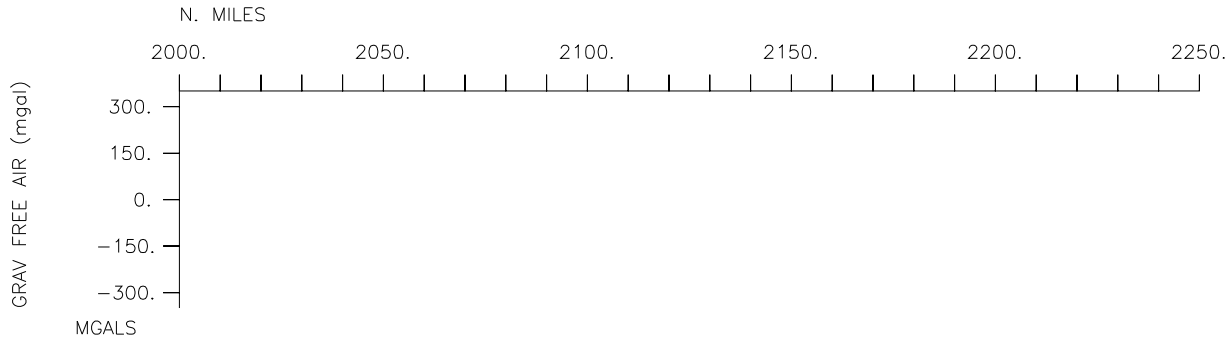


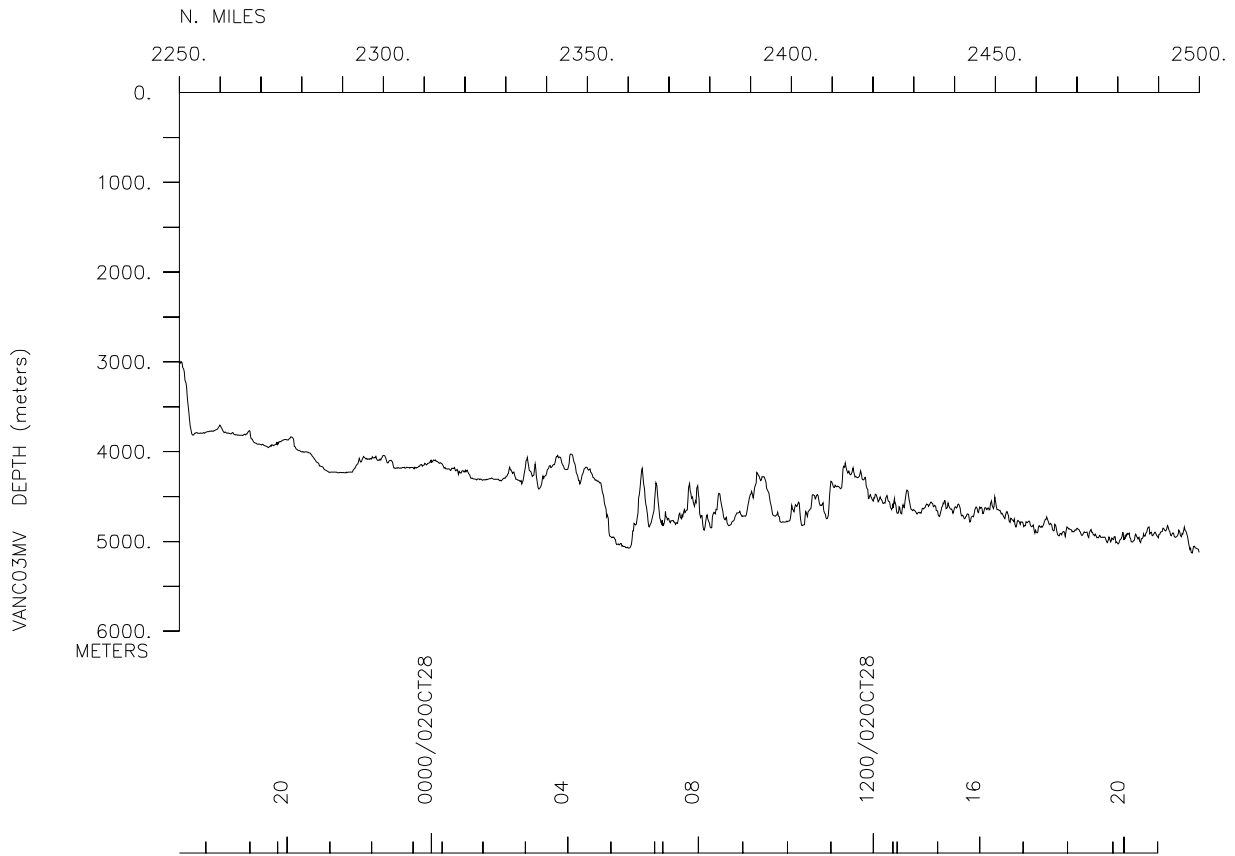
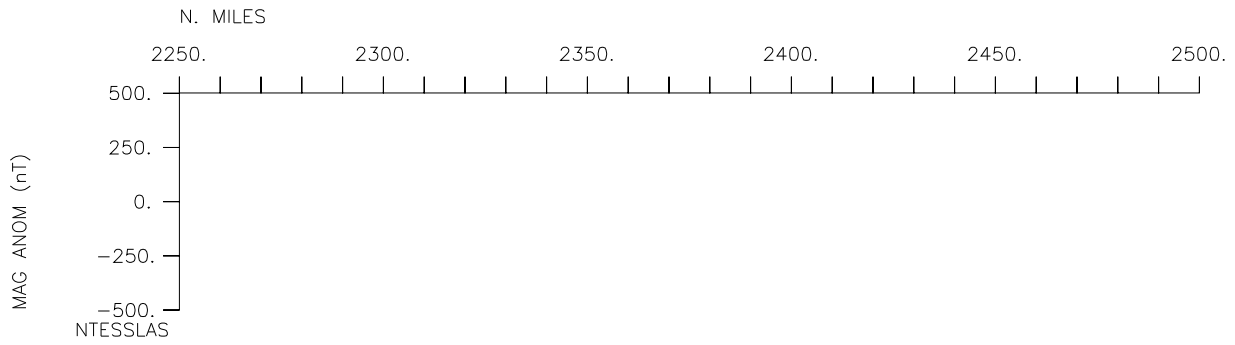
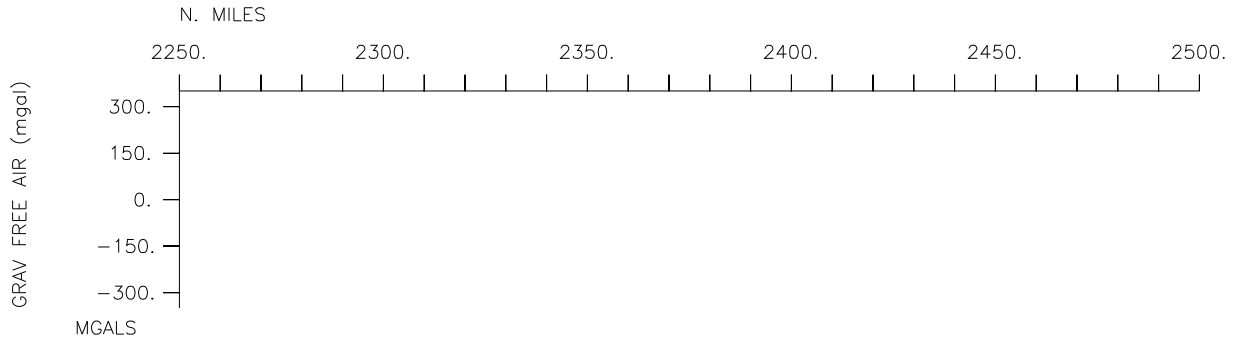


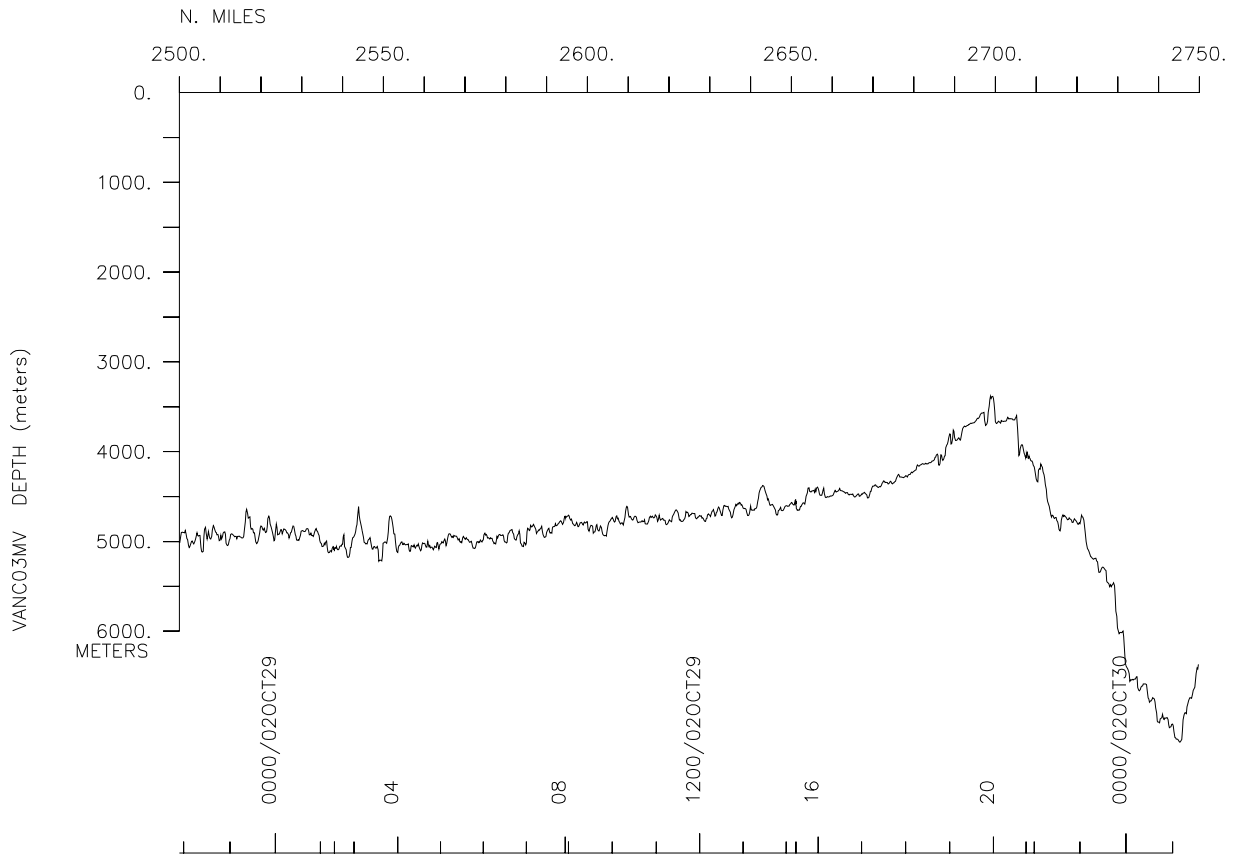
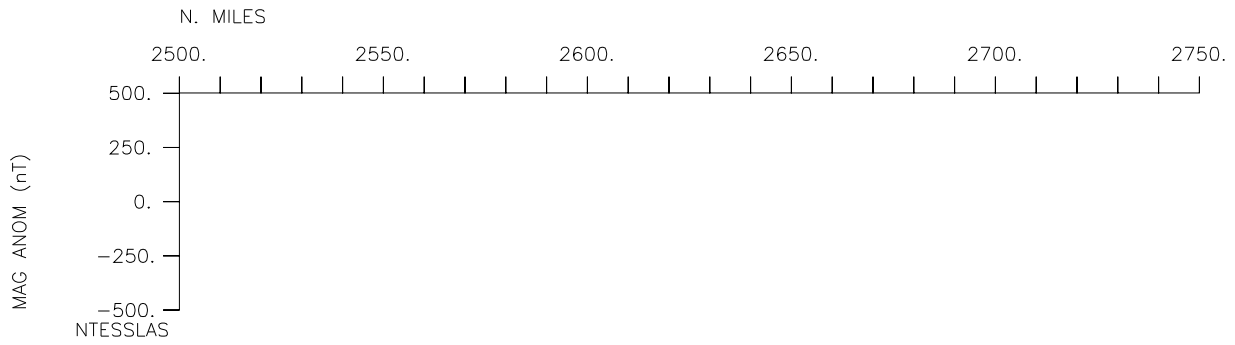
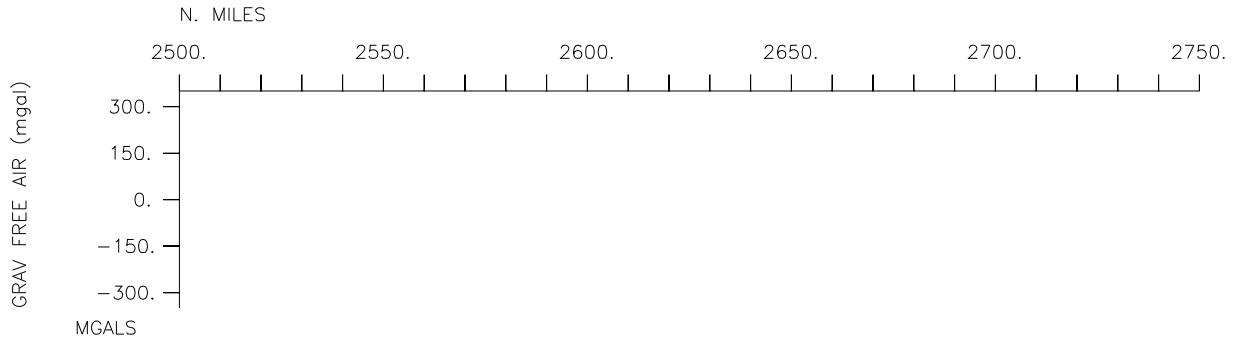


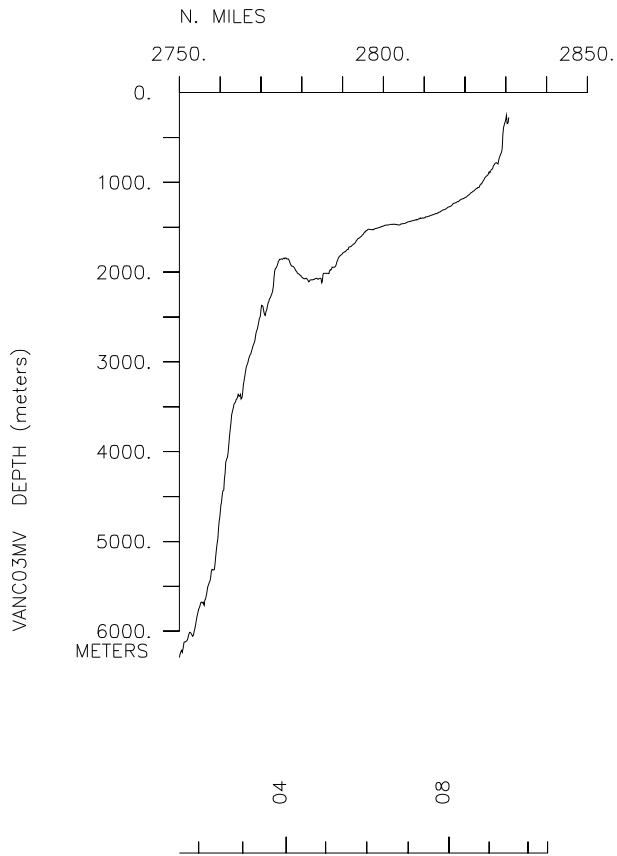
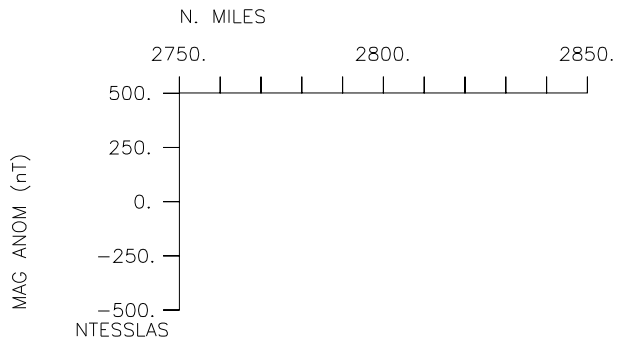
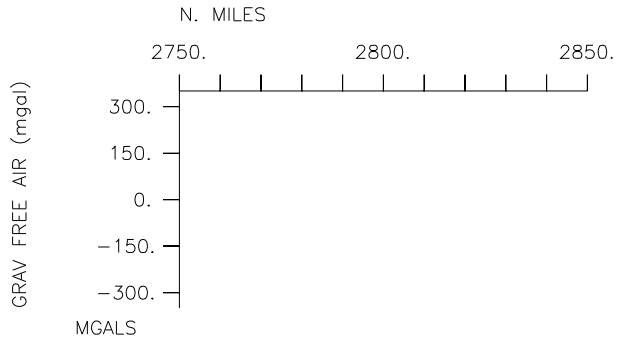












S.I.O. Sample Index

Vancouver Expedition

Leg 3

(Vanc03MV)

R/V Melville

(Issued December 2002)

PORTS:

Puerto Caldera, Costa Rica (13 September 2002)
to
Arica, Chile (30 October 2002)

Chief Scientist : Robert Weller

Woods Hole Oceanographic Institution

The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident marine technician and processed on shore by the S.I.O. Shipboard Technical Support Group shortly after the completion of the cruise leg.

Positions are interpolated on the basis of sample time by comparison to a single, edited navigation file. Samples beginning at one time and position and ending at another are entered on two consecutive lines. Disposition and sample type are represented by three and four character codes to permit future computer searches on these parameters. (Listings defining these codes are available from the Shipboard Technical Support Group.)

GDC Cruise ID# 299

**** Ports ***

2148	131002	LGPT B	Puerto Caldera,C.R.	09-53.00N	84-45.00W	f	VANC03MV
1120	301002	LGPT E	Arica, Chile	18-29.00S	70-20.00W	f	VANC03MV

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS	WHOI Weller,Dr.R.	Chief Scientist	Woods Hole	VANC03MV
PEXN	CHL Pizarro,Dr.O.	Scientist	U. of Concepcion	VANC03MV
PERT	STS Comer,R.L.	Resident Tech.	Scripps Institution	VANC03MV
PECT	STS Jacobsen,D.	Computer Tech.	Scripps Institution	VANC03MV
PEXN	CHL Letelier,J.	Masters Student	U. of Concepcion	VANC03MV
PESP	WHOI Galbraith,N	Engineer	Woods Hole	VANC03MV
PESP	WHOI Hutto,L.	Systems Engineer	Woods Hole	VANC03MV
PESP	WHOI Ryder,J.	Research Assoc.	Woods Hole	VANC03MV
PESP	WHOI Dunn,J.	Mooring Tech.	Woods Hole	VANC03MV
PESP	WHOI Bouchard,P.	Electronics Tech.	Woods Hole	VANC03MV
PESP	WHOI Lord,J.	Mooring Tech.	Woods Hole	VANC03MV
PEXN	CHL Maturana,J.	Technician	Chile,SHOA Navy	VANC03MV
PESP	WHOI Smith,J.	Electronics Tech.	Woods Hole	VANC03MV
PEXN	GBN Stuart-Menteth,A.	Graduate Student	Woods Hole	VANC03MV

**** 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 ***

2148	131002	0	LBUW B	Underway Watch Log	STS	9-58.09N	84-50.14W	g	VANC03MV
0016	241002	0	LBUW E	Underway Watch Log	STS	20-11.70S	85-07.29W	g	VANC03MV

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

0118	141002	0	MBSR B	v.beam&sidescan r-01	STS	9-23.92N	84-51.90W	g	VANC03MV
0950	301002	0	MBSR E	v.beam&sidescan r-01	STS	18-30.02S	70-25.47W	g	VANC03MV

**** Digital Magnetics (Earth Total Field) ***

1944	141002	0	MGDD B	digital mag data	GDC	6-22.16N	85-00.00W	g	VANC03MV
0105	211002	0	MGDD E	digital mag data	GDC	19-51.34S	85-05.94W	g	VANC03MV

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

*** Integrated Meteorological Acquisition System ***

2148	131002	0	IMET	B	Weather Measurements	GDC	9-58.09N	84-50.14W	g	VANC03MV
1128	301002	0	IMET	E	Weather Measurements	GDC	18-28.45S	70-19.67W	g	VANC03MV

*** Acoustic Doppler Current Profiler ***

2148	131002	0	ADCP	B	300khz Current Meas.	GDC	9-58.09N	84-50.14W	g	VANC03MV
0950	301002	0	ADCP	E	300khz Current Meas.	GDC	18-30.02S	70-25.47W	g	VANC03MV

*** Buoys ***

1946	191002	0	BUAB	C	Anchored Bottom Buoy	WHOI	20 08 45S	085 08.15W	g	VANC03MV
1300	221002	0	BUAB	E	Stratus 1 Recovered	WHOI	20-08.60S	85-08.35W	g	VANC03MV
0016	241002	0	BUAB	B	Anchored Bottom Buoy	WHOI	20-11.70S	85-07.29W	g	VANC03MV
1120	301002	0	BUAB	C	Stratus 3 Launched	WHOI	18-28.45S	70-19.67W	g	VANC03MV

*** Conductivity, Temperature, Depth ***

0443	211002	0	TDCT	Seabird	1 12	4000M	WHOI	20-14.60S	85-01.05W	g	VANC03MV
0805	211002	0	TDCT	Seabird	2	1500M	CHL	20-14.60S	85-01.05W	g	VANC03MV
0520	261002	0	TDCT	Seabird	3	2000M	CHL	20-07.65S	84-57.58W	g	VANC03MV
1018	261002	0	TDCT	Seabird	4	1000M	CHL	20-00.04S	84-20.00W	g	VANC03MV
1440	261002	0	TDCT	Seabird	5	1000M	CHL	20-00.00S	83-40.41W	g	VANC03MV
1918	261002	0	TDCT	Seabird	6 6	1000M	CHL	20-00.00S	83-00.38W	g	VANC03MV
0005	271002	0	TDCT	Seabird	7	1000M	CHL	20-00.02S	82-20.10W	g	VANC03MV
0445	271002	0	TDCT	Seabird	8	1000M	CHL	19-59.99S	81-40.04W	g	VANC03MV
0923	271002	0	TDCT	Seabird	9 6	1000M	CHL	20-00.01S	81-00.02W	g	VANC03MV
1414	271002	0	TDCT	Seabird	10	1000M	CHL	19-59.99S	80-20.01W	g	VANC03MV
1843	271002	0	TDCT	Seabird	11	1000M	CHL	20-00.00S	79-40.06W	g	VANC03MV
2330	271002	0	TDCT	Seabird	12 6	1000M	CHL	20-00.02S	79-00.06W	g	VANC03MV
0609	281002	0	TDCT	Seabird	13	1000M	CHL	20-00.00S	78-00.31W	g	VANC03MV
1249	281002	0	TDCT	Seabird	14 6	1000M	CHL	20-00.00S	77-00.03W	g	VANC03MV
1917	281002	0	TDCT	Seabird	15	1000M	CHL	20-00.00S	76-00.03W	g	VANC03MV
0125	291002	0	TDCT	Seabird	16 6	1000M	CHL	19-59.94S	75-00.09W	g	VANC03MV
0755	291002	0	TDCT	Seabird	17	1000M	CHL	19-59.99S	74-00.03W	g	VANC03MV
1420	291002	0	TDCT	Seabird	18 6	1000M	CHL	19-59.98S	73-00.01W	g	VANC03MV
2048	291002	0	TDCT	Seabird	19	1000M	CHL	19-59.96S	72-00.09W	g	VANC03MV

*** Expendable Bathythermographs ***

1618	141002	0	BTXP	MK21	# 43	Fast_Deep	GDC	06-57.71N	085-00.00W	g	VANC03MV
1841	151002	0	BTXP	MK21	# 45	Fast_Deep	GDC	02-13.78N	085-00.00W	g	VANC03MV
2007	171002	0	BTXP	MK21	# 50	Fast_Deep	GDC	06-05.67S	085-00.00W	g	VANC03MV
1906	181002	0	BTXP	MK21	# 51	Fast_Deep	GDC	10-19.35S	085-00.00W	g	VANC03MV
1950	191002	0	BTXP	MK21	# 52	Fast_Deep	GDC	14-49.83S	085-00.00W	g	VANC03MV
1938	231002	0	BTXP	MK21	# 54	Fast_Deep	GDC	20-04.95S	085-13.59W	g	VANC03MV
1311	271002	0	BTXP	MK21	# 55	Fast_Deep	GDC	20-00.00S	080-29.85W	g	VANC03MV
1103	281002	0	BTXP	MK21	# 56	Fast_Deep	GDC	20-00.00S	077-15.43W	g	VANC03MV
1126	291002	0	BTXP	MK21	# 57	Fast_Deep	GDC	20-00.00S	073-31.28W	g	VANC03MV

End Sample Index VANC03MV