

*Report and Index of
Underway Marine Geophysical Data*

Dana Expedition

Leg 02

(DANA02RR)

R/V Roger Revelle

(Issued Feb 2004)

Ports:

Puntarenas, Costa Rica (10-OCT-03)

to

Manta, Ecuador (06-NOV-03)

Chief Scientist: Dr. Peter Lonsdale
Scripps Institution of Oceanography
plonsdale@ucsd.edu

Computer Tech - Bill French
Resident Tech - Gene Pollard

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#301

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.

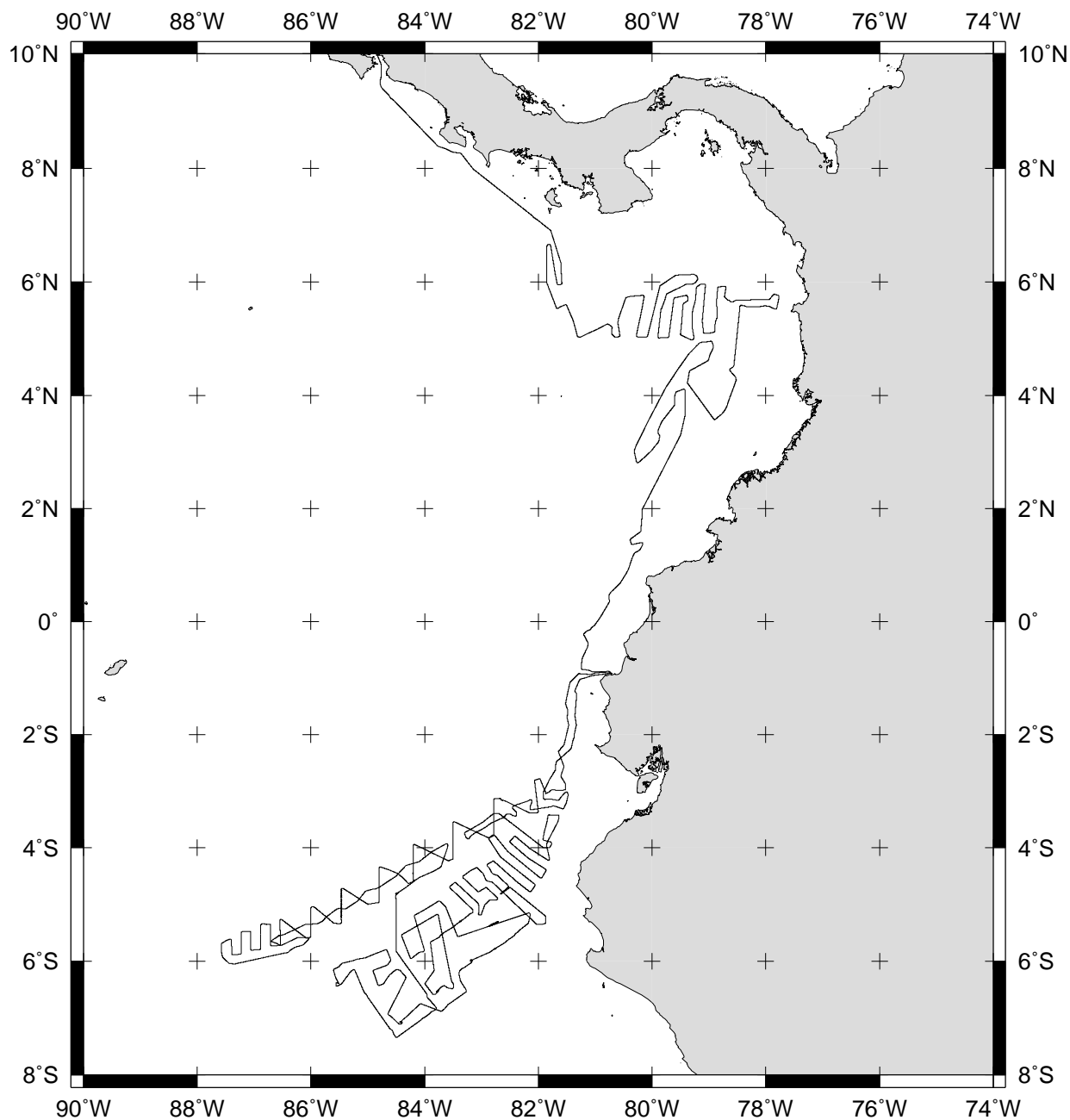
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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



DANA EXPEDITION LEG 2 (DANA02RR)

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CHIEF SCIENTIST: Peter Lonsdale, Scripps Institution

PORTS: Puntarenas, Costa Rica - Manta, Ecuador

DATES: 10 October - 6 November 2003

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-6224 miles

Magnetics-4673 miles

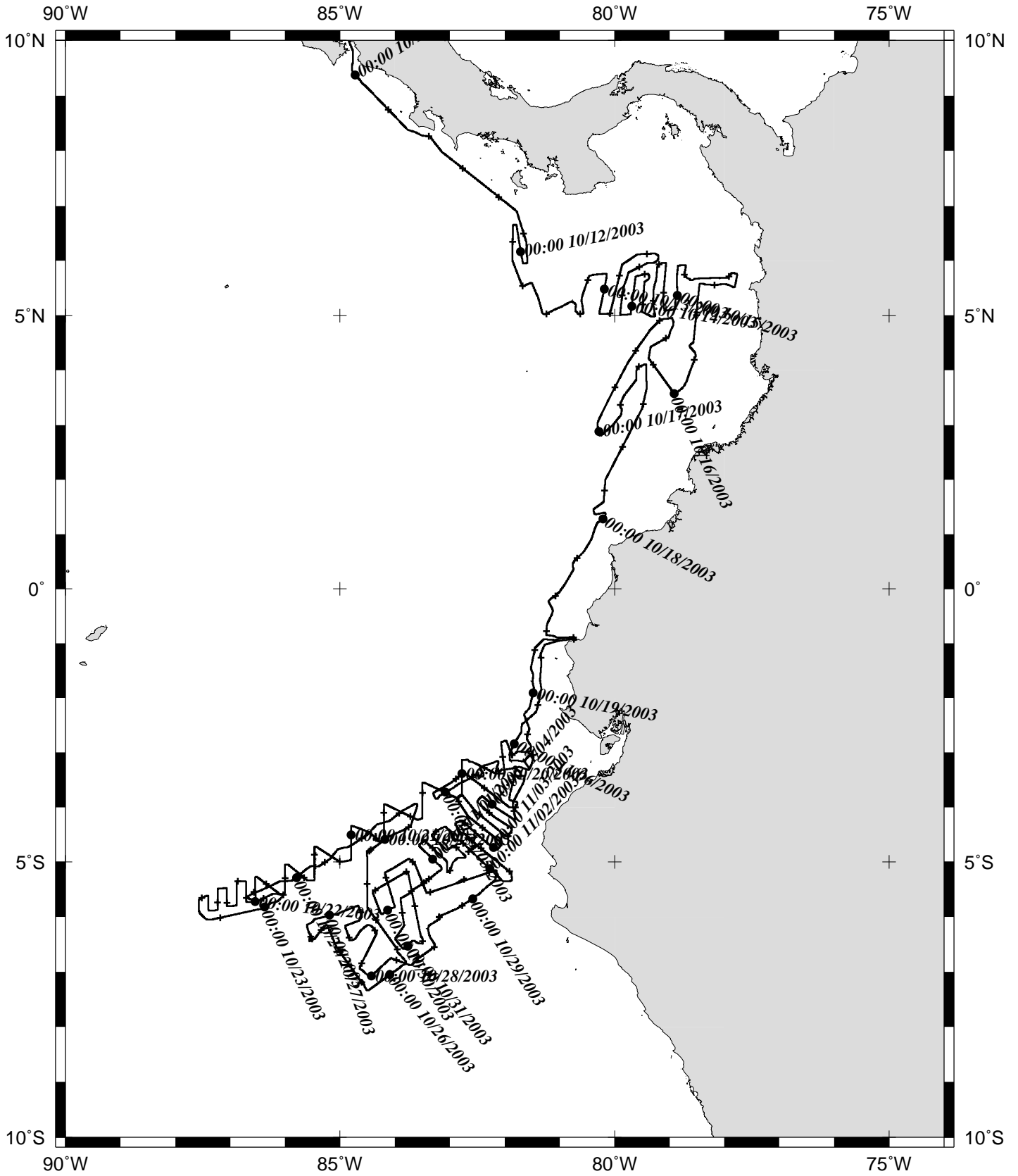
Bathymetry-6124 miles

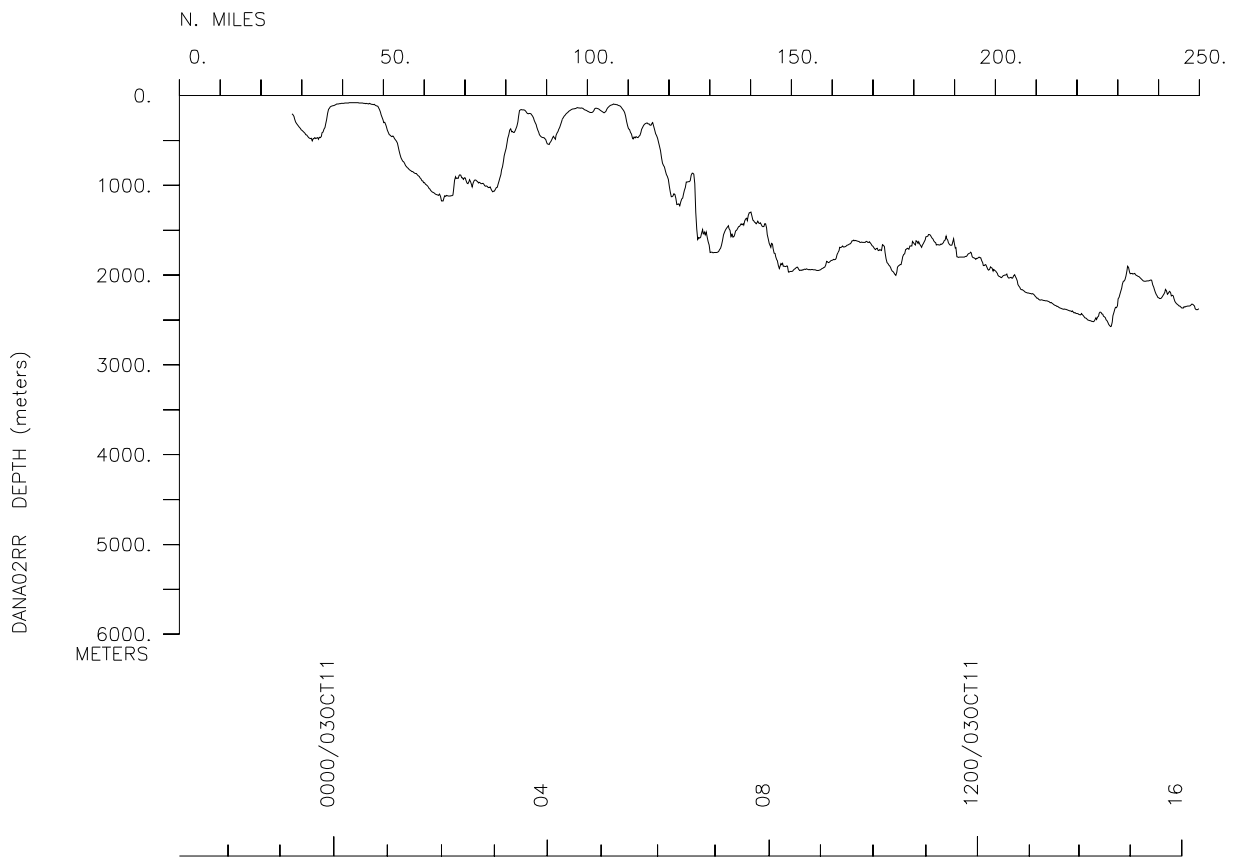
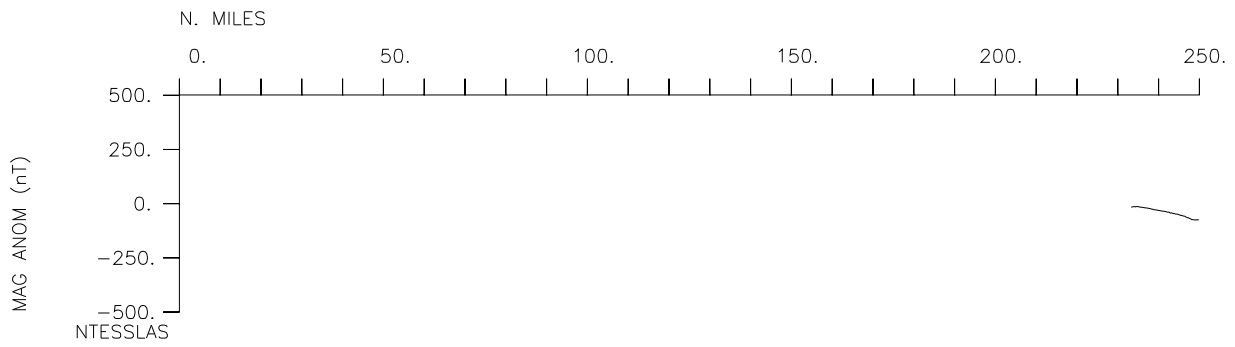
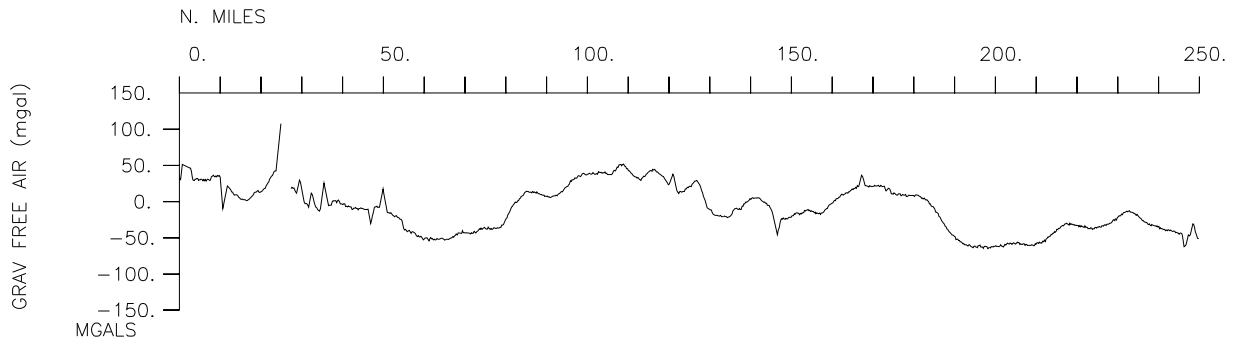
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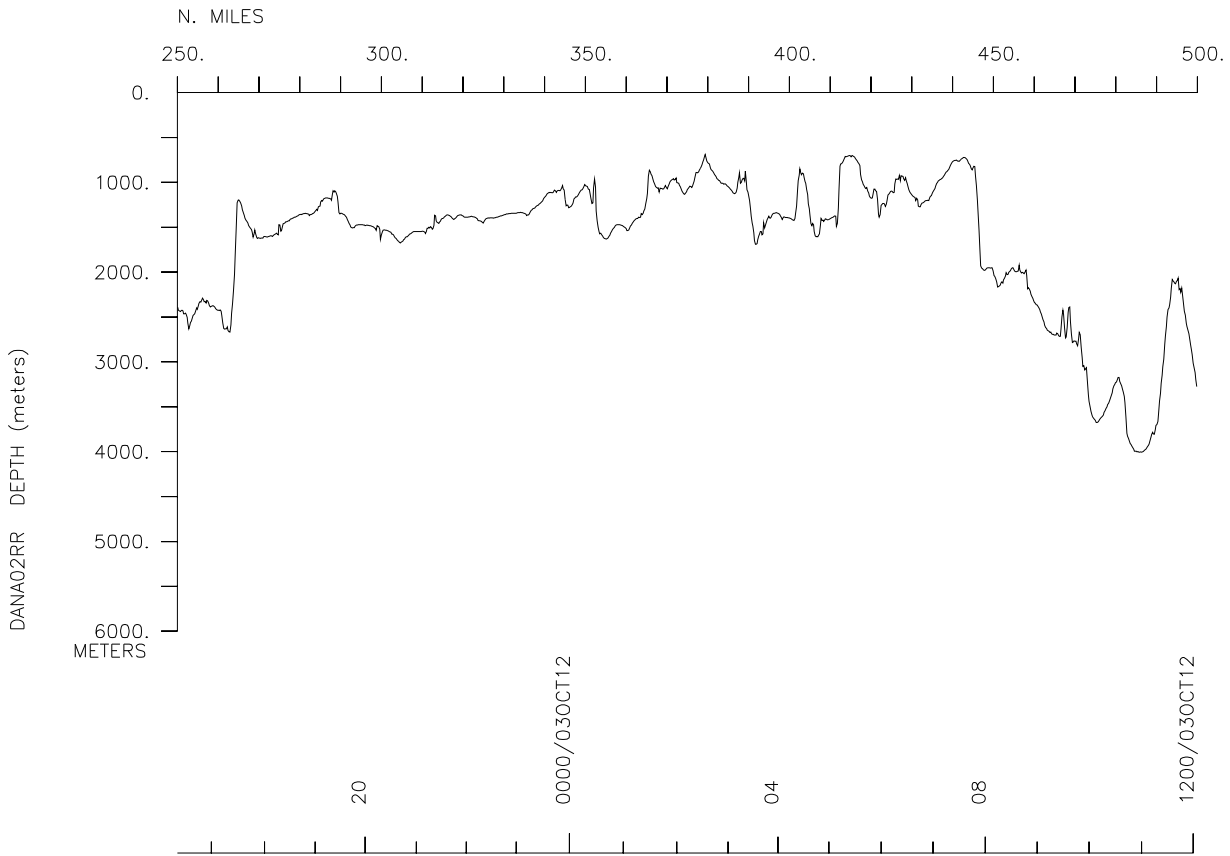
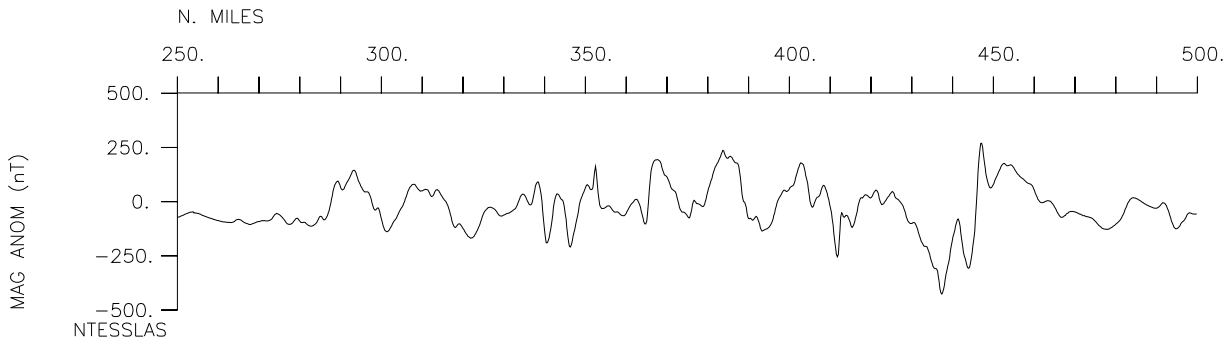
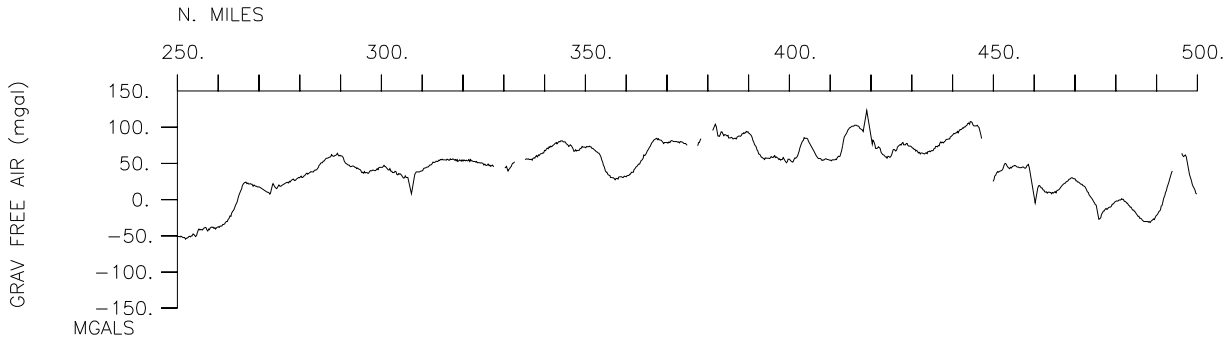
Multibeam-6124 miles

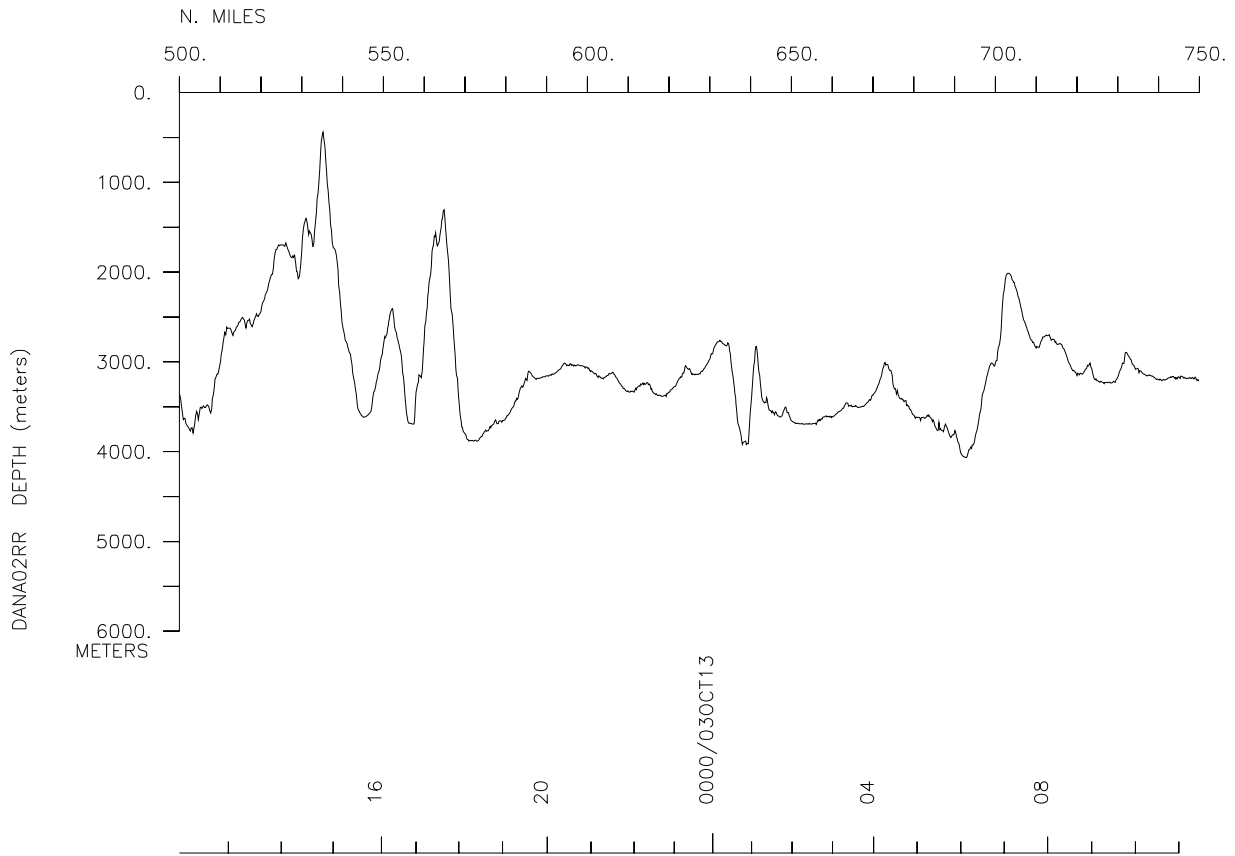
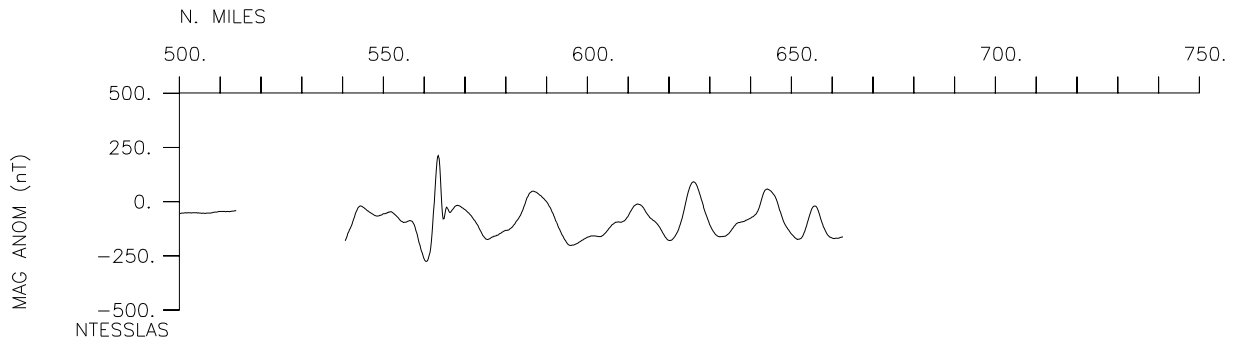
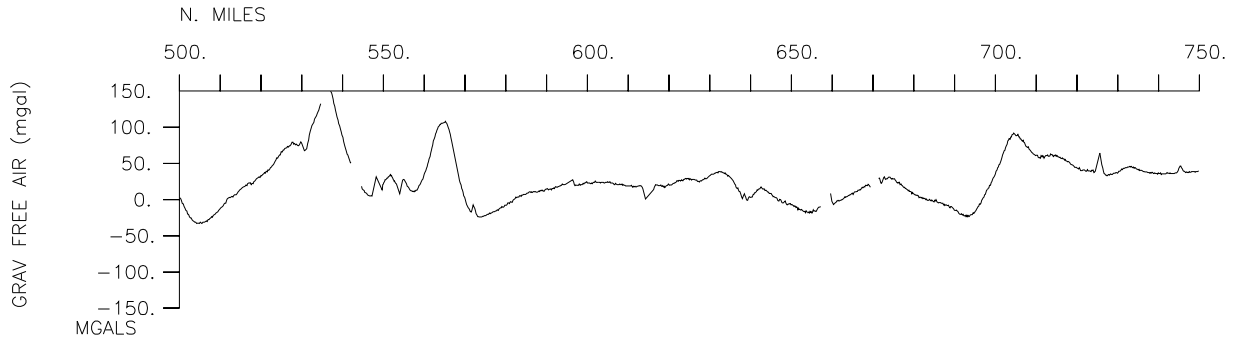
Gravity-5974 miles

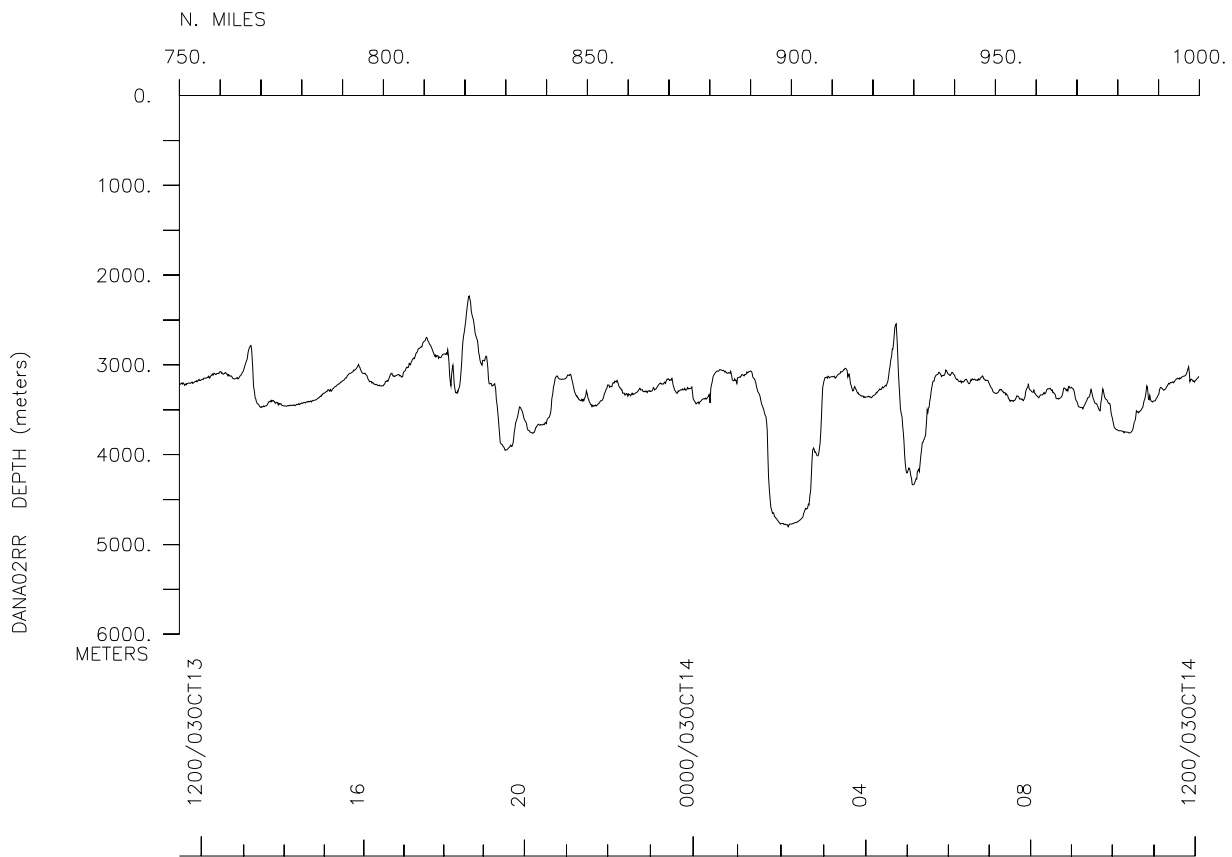
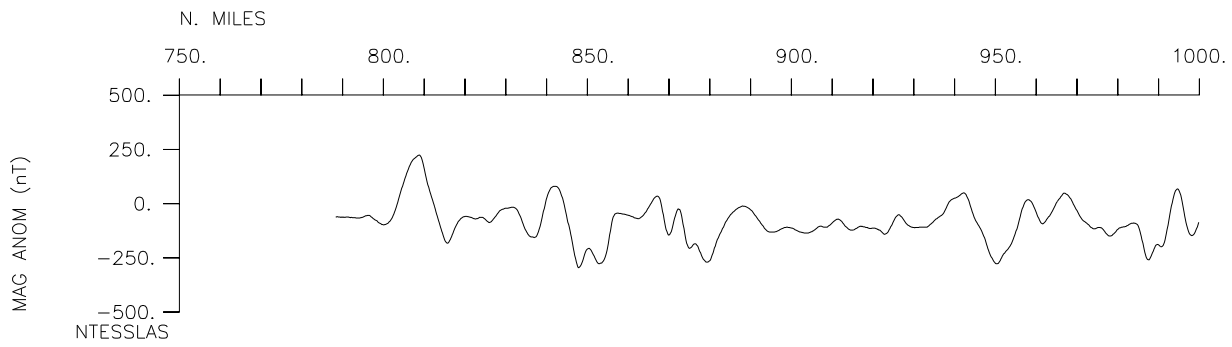
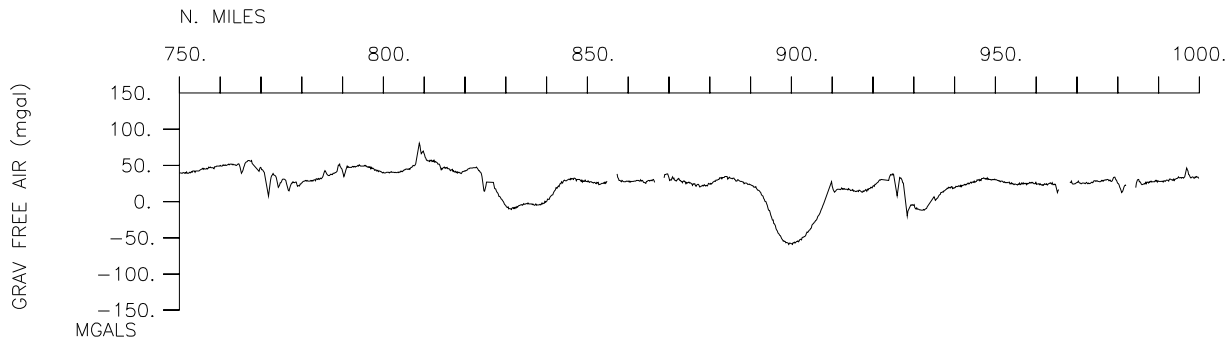
DANA02RR

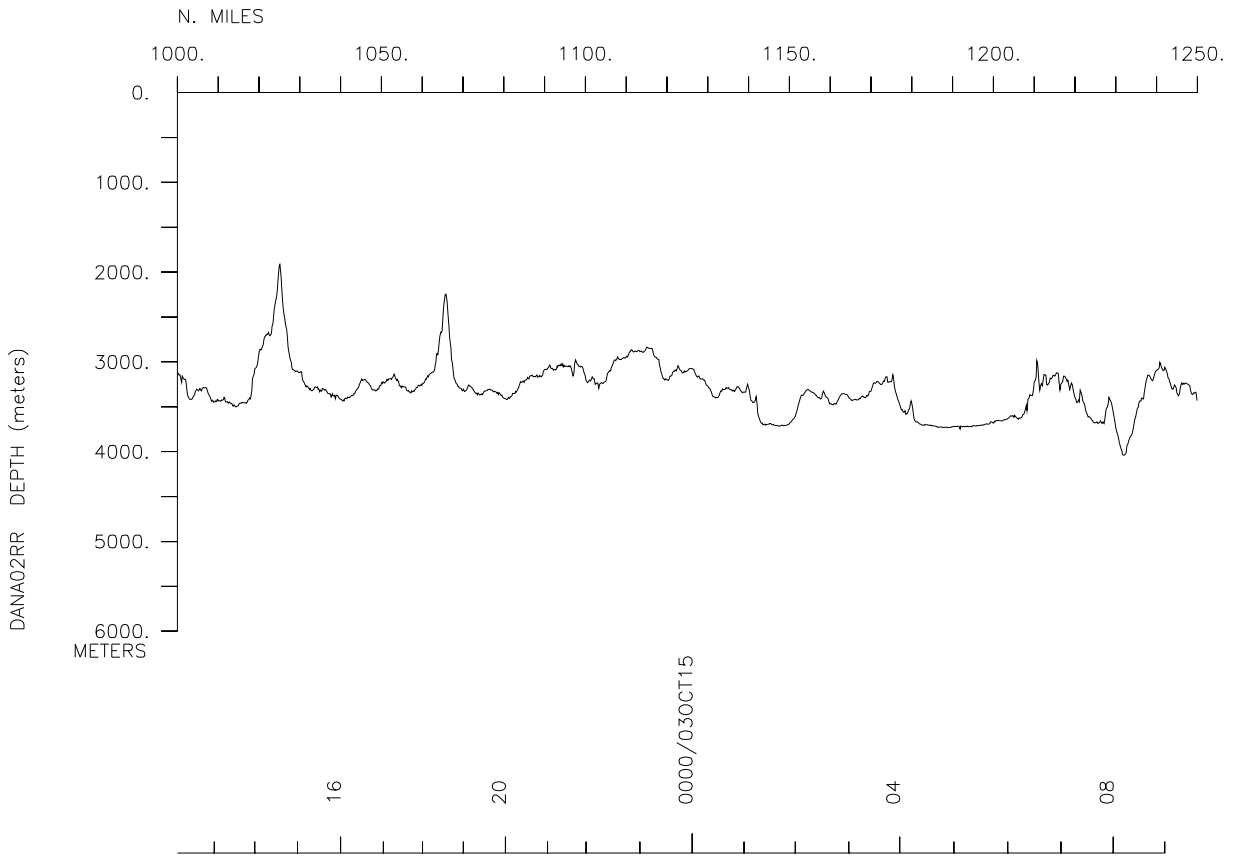
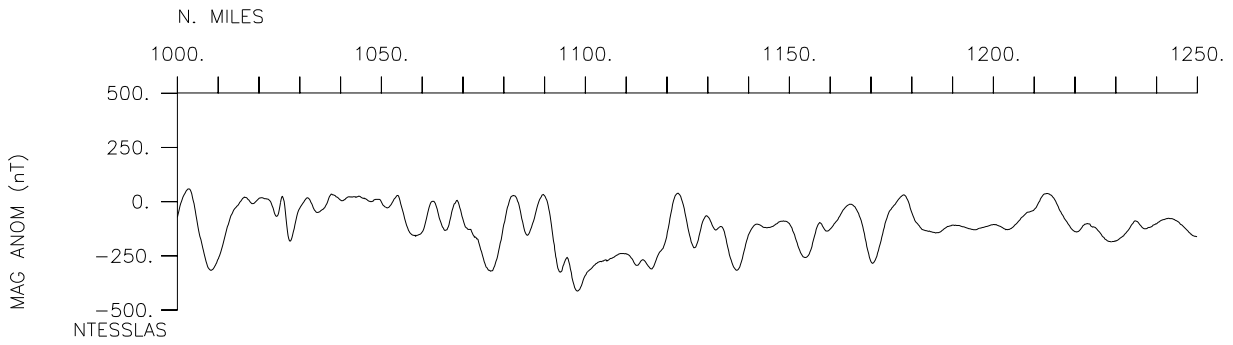
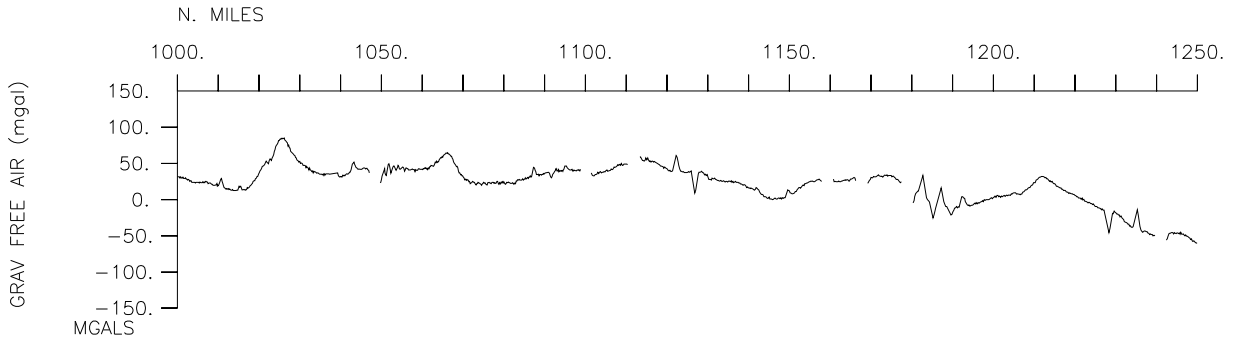


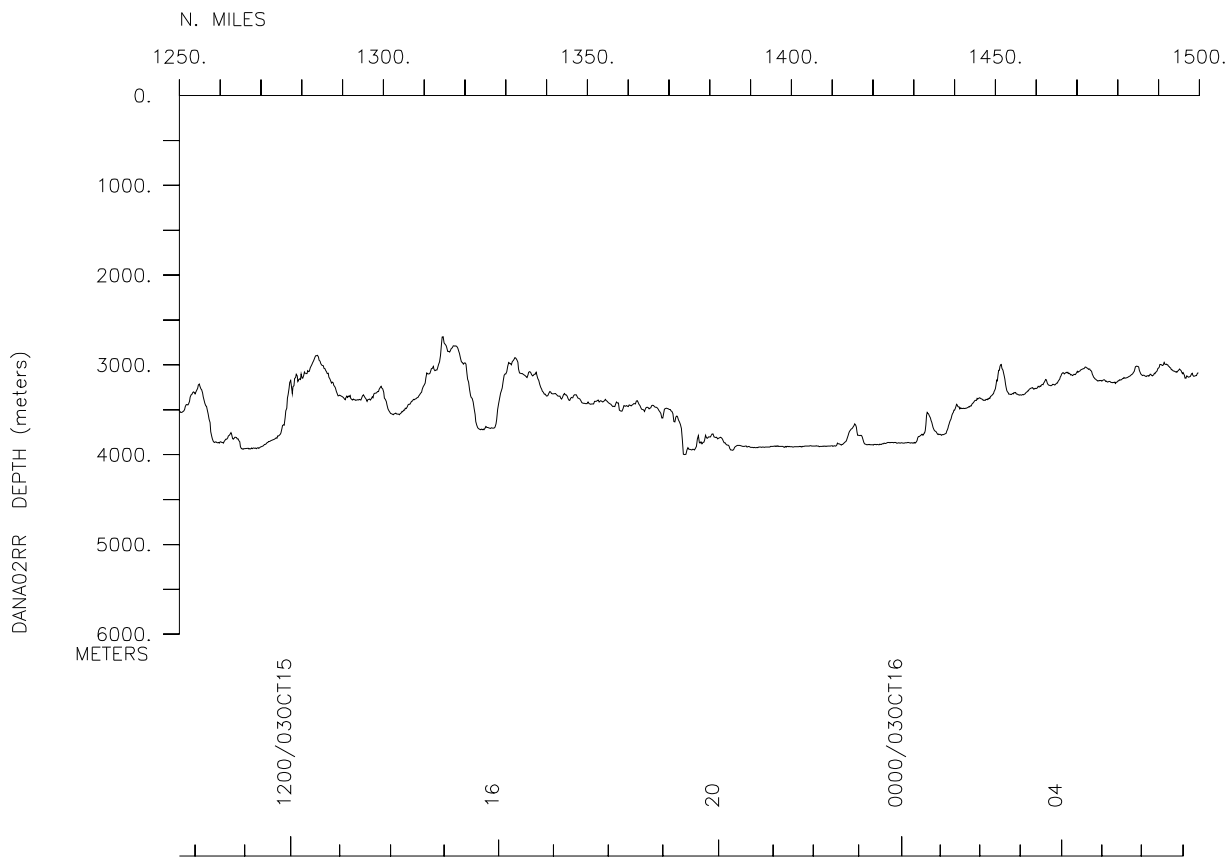
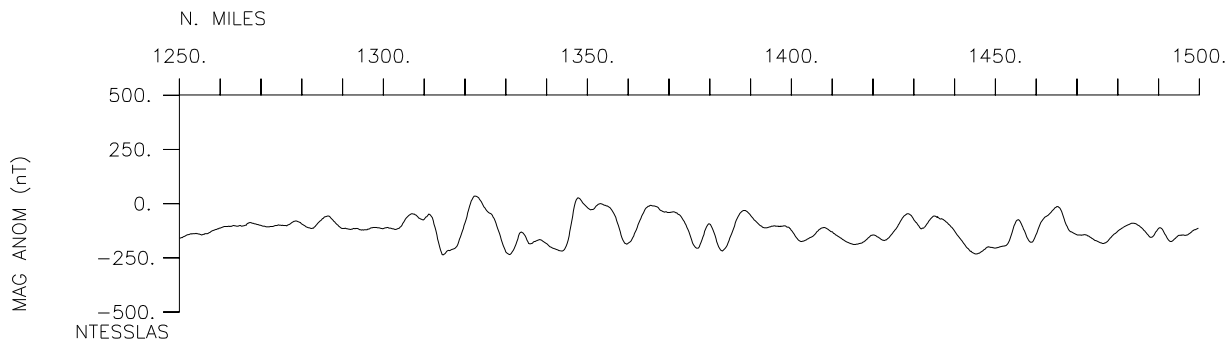
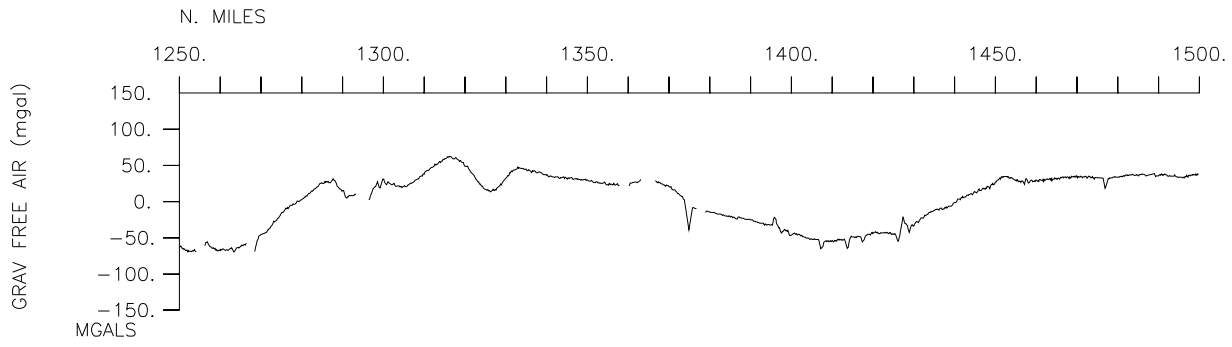


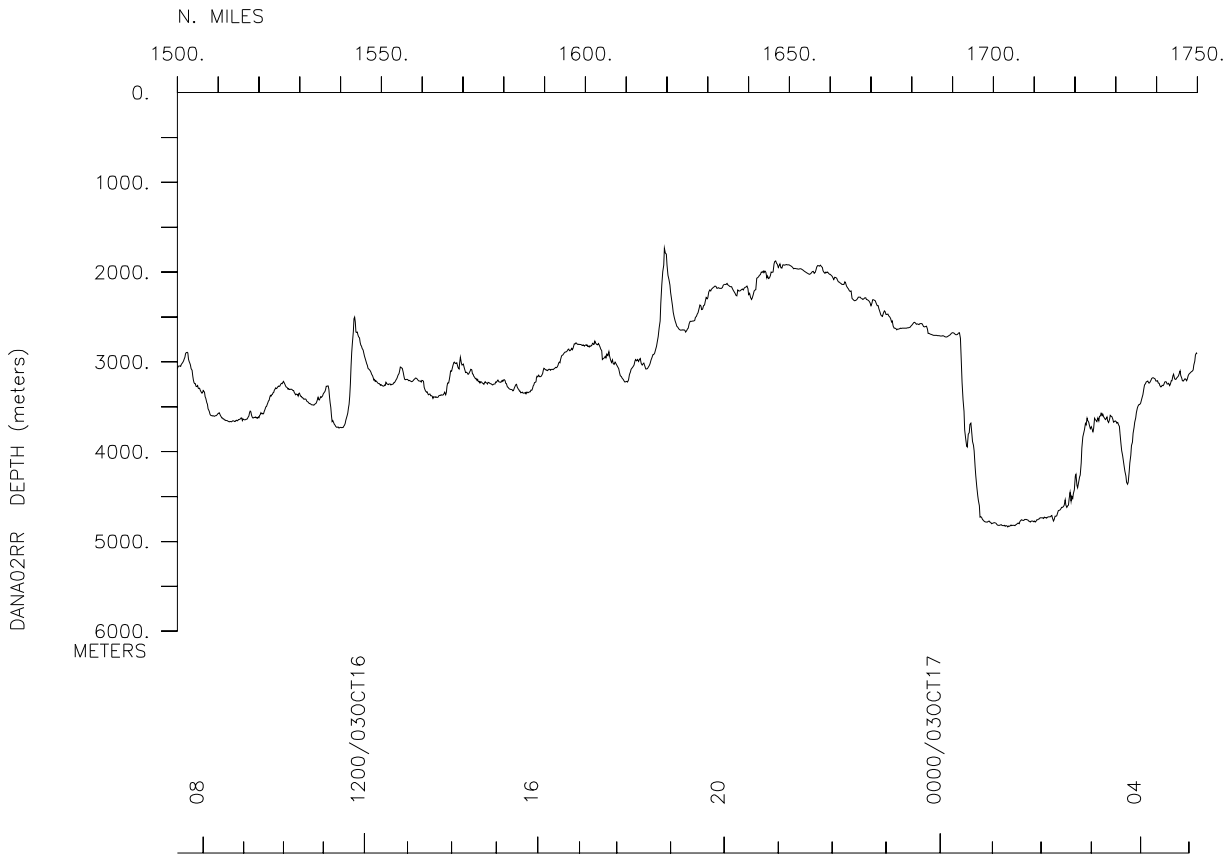
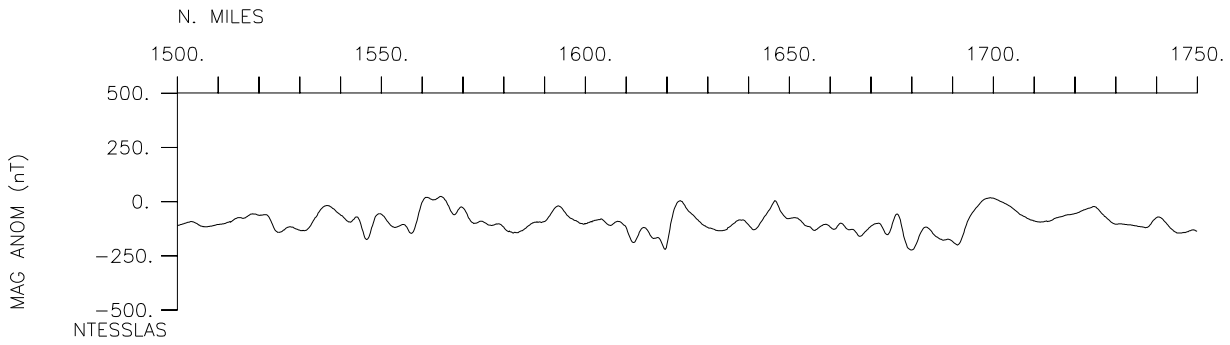
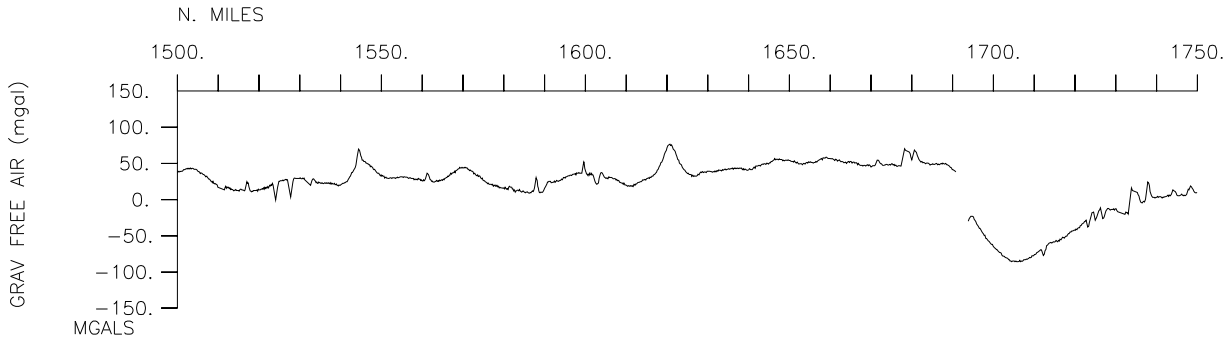


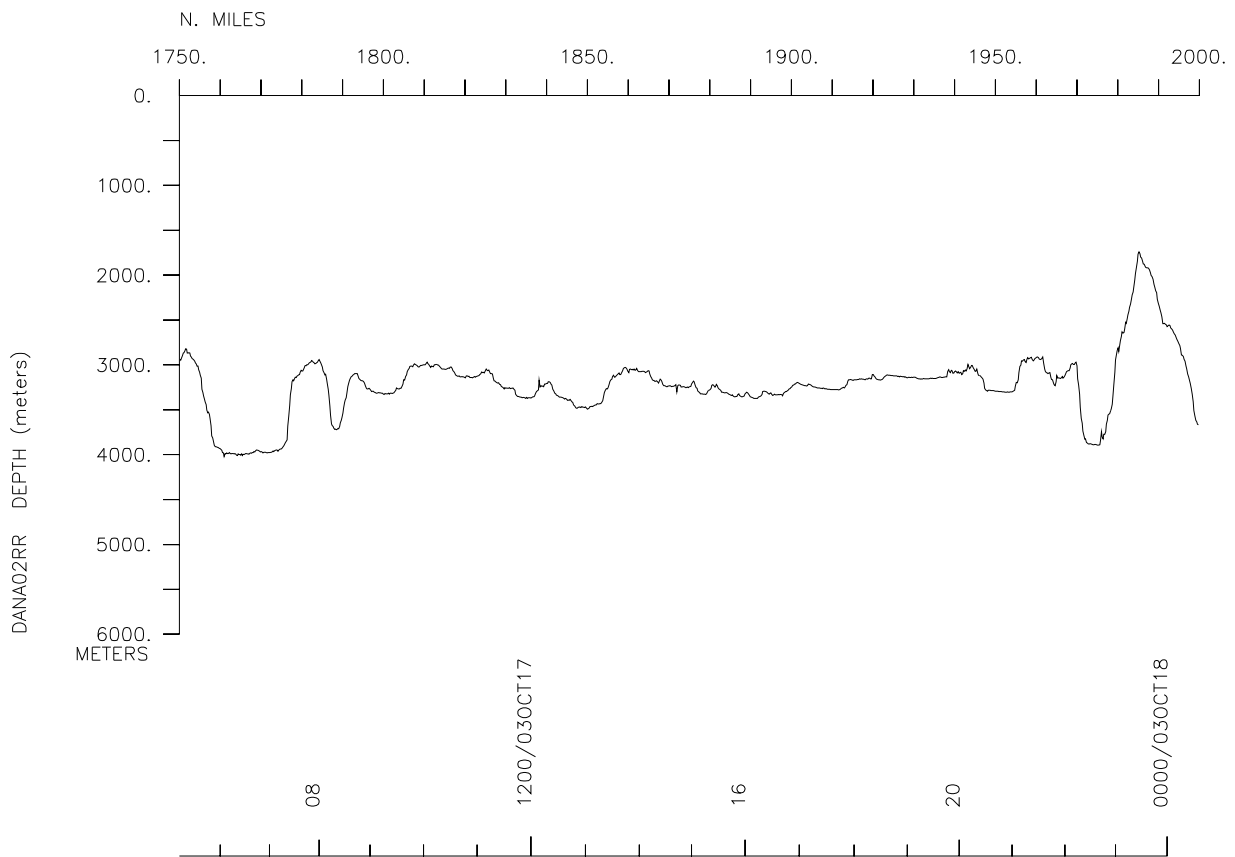
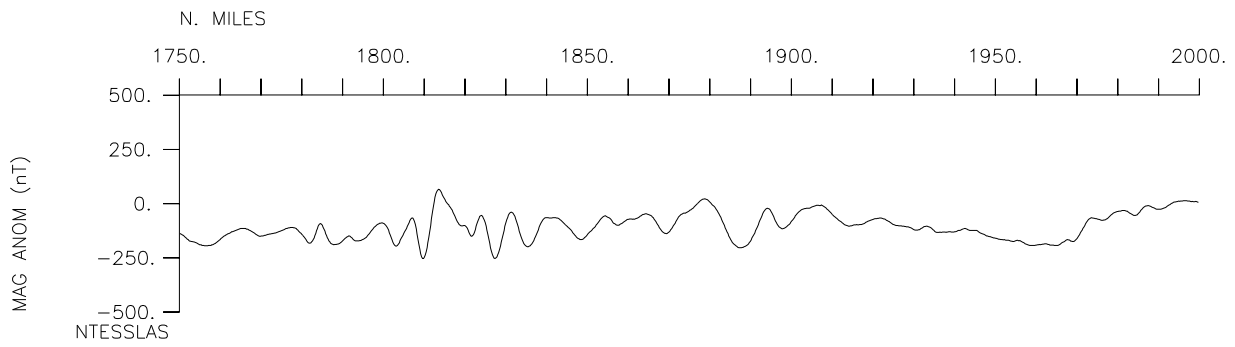
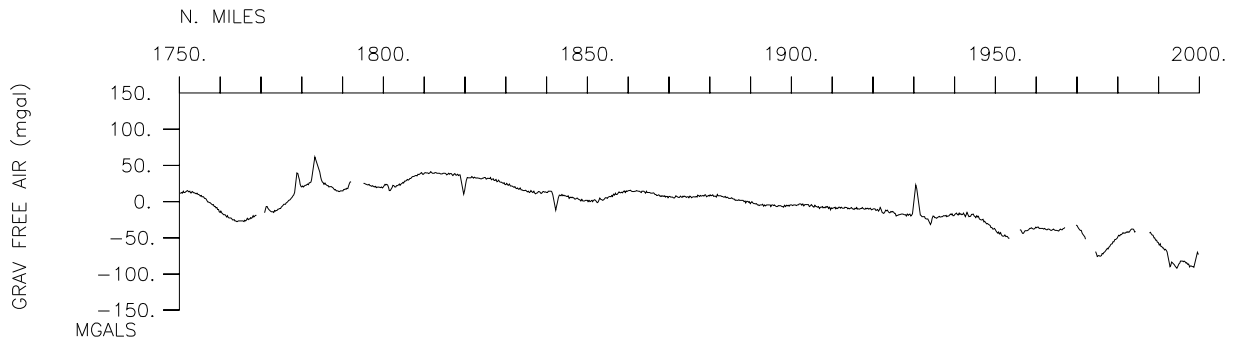


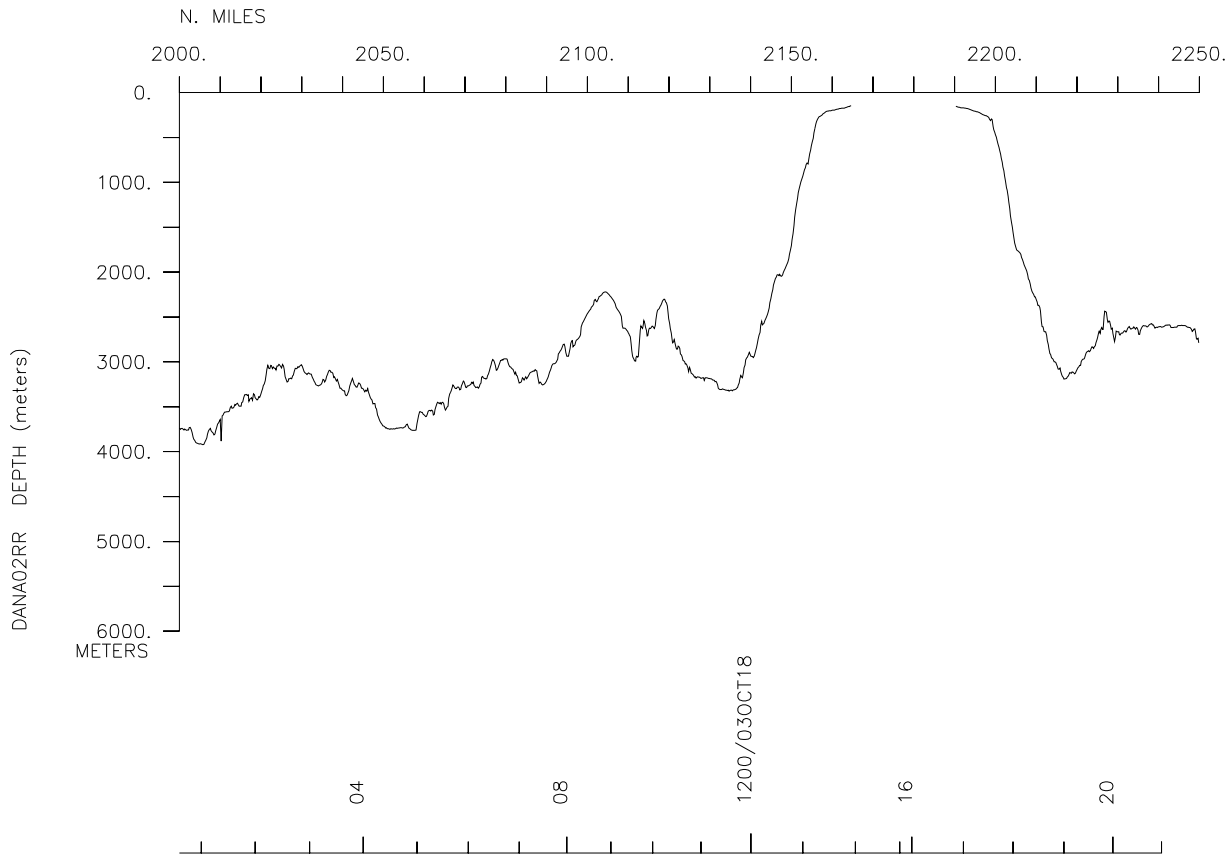
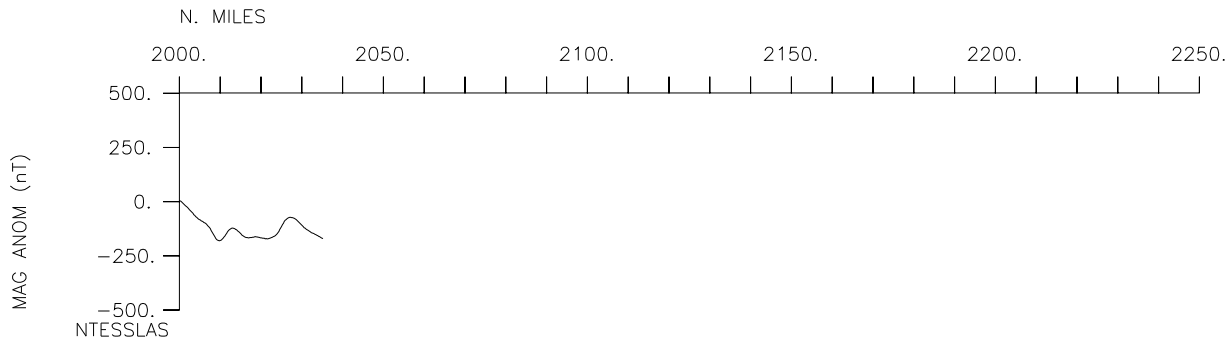
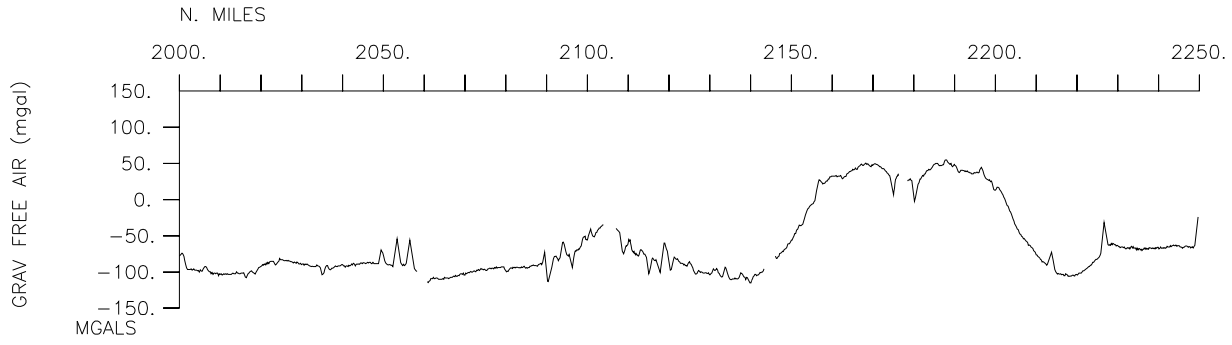


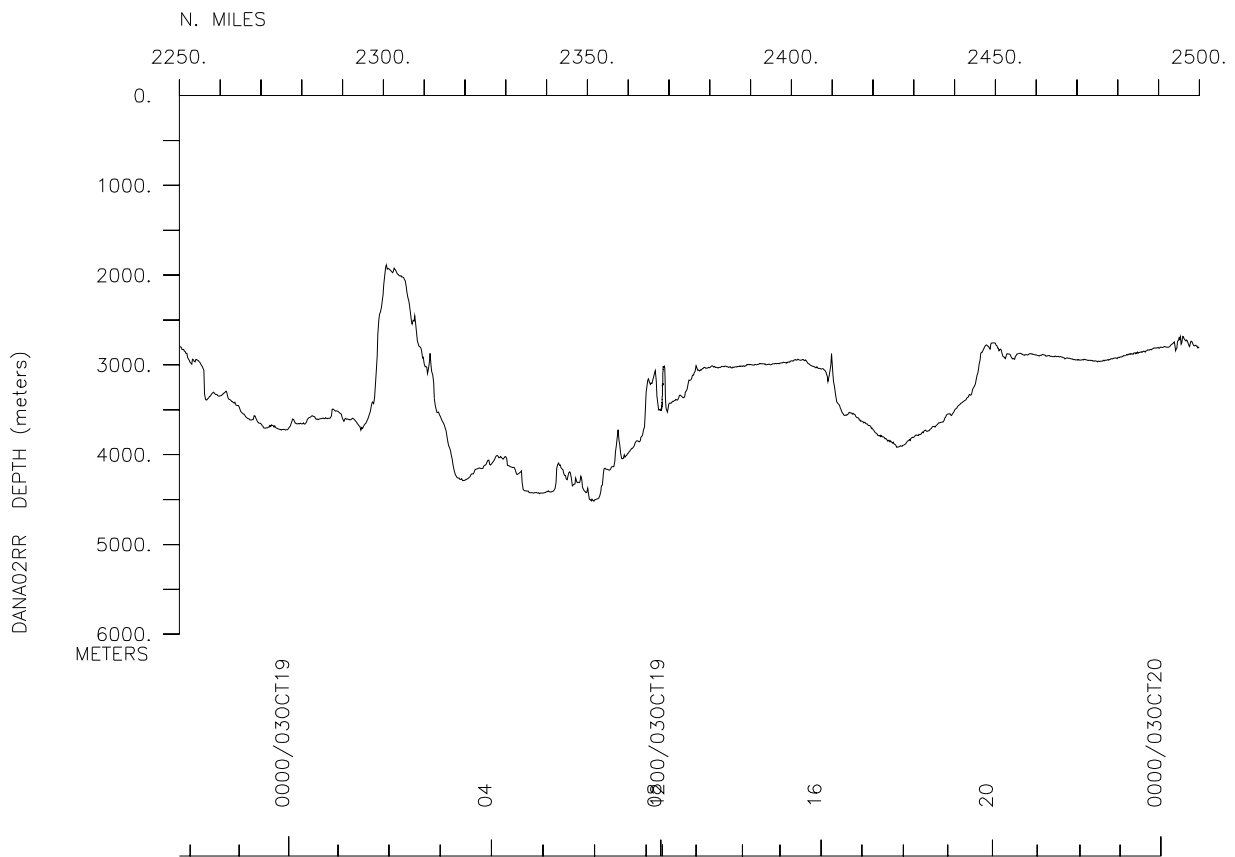
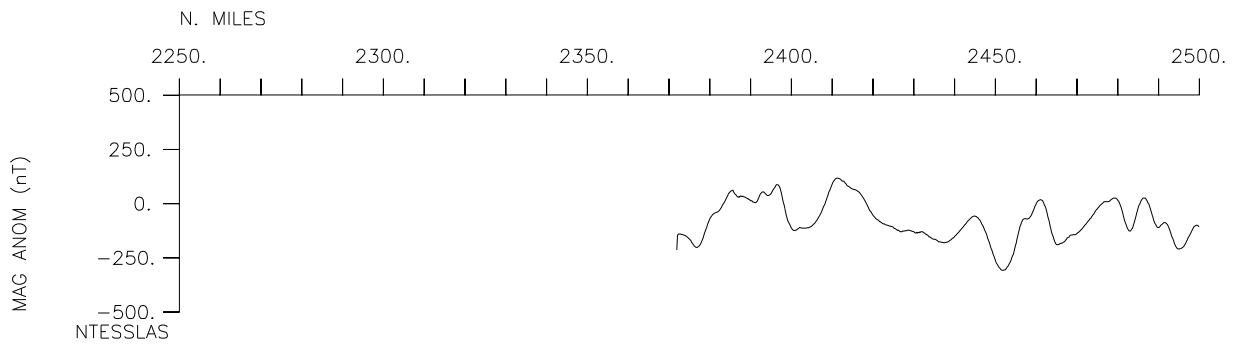
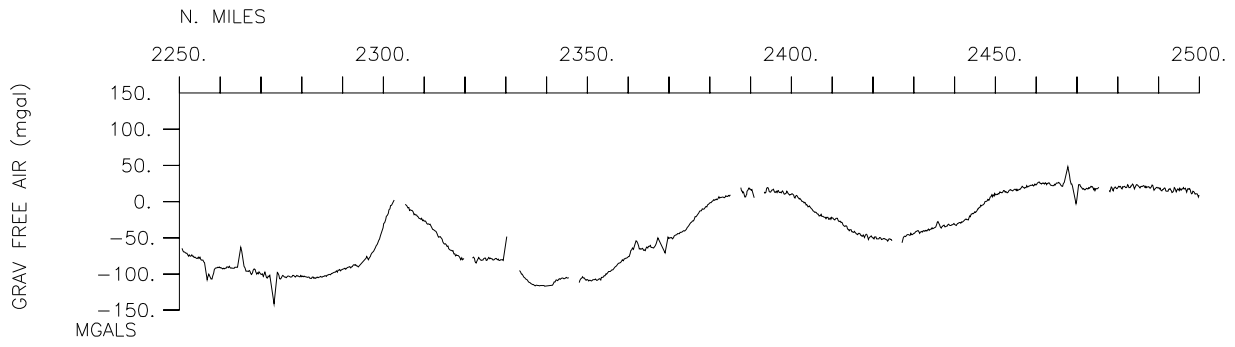


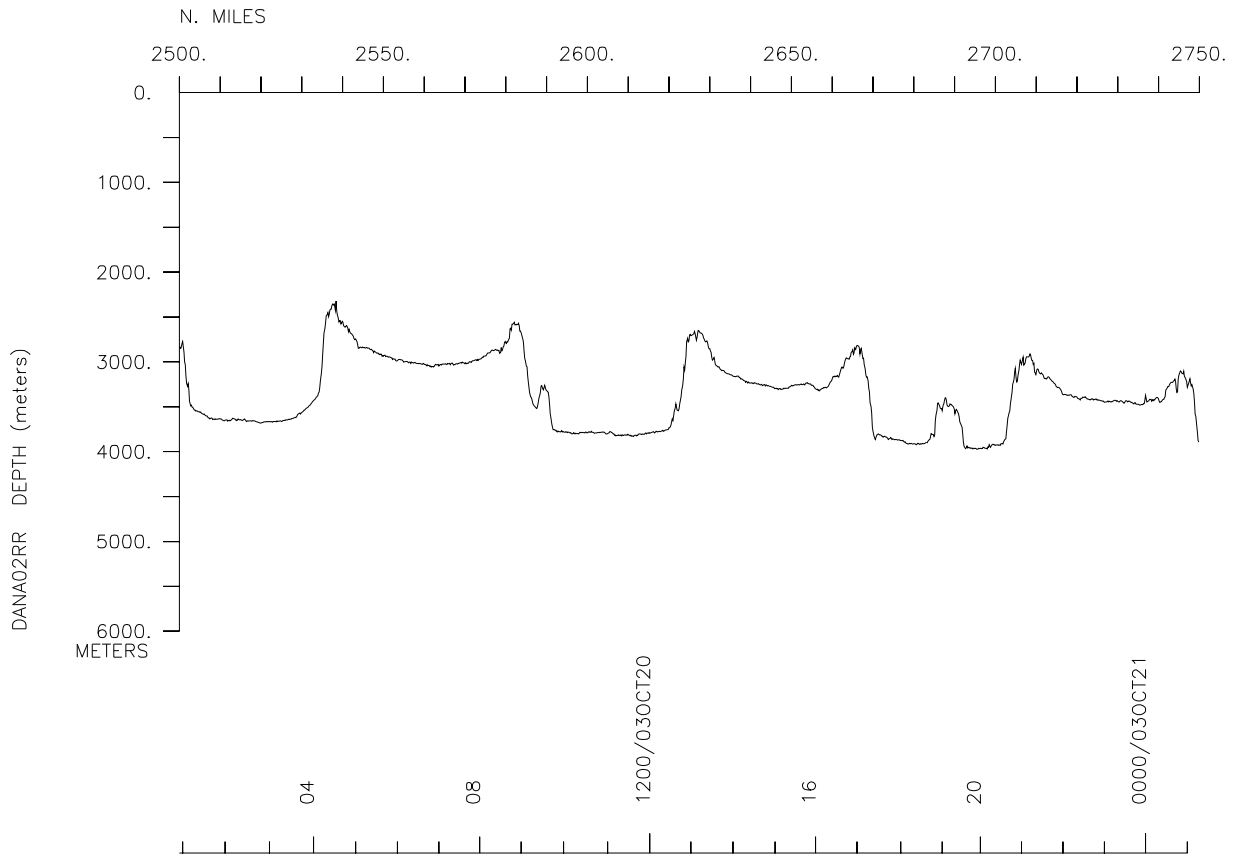
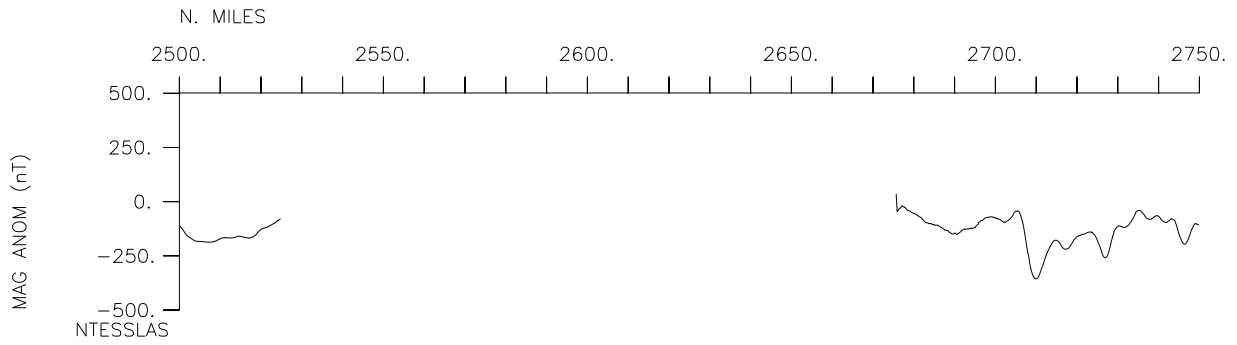
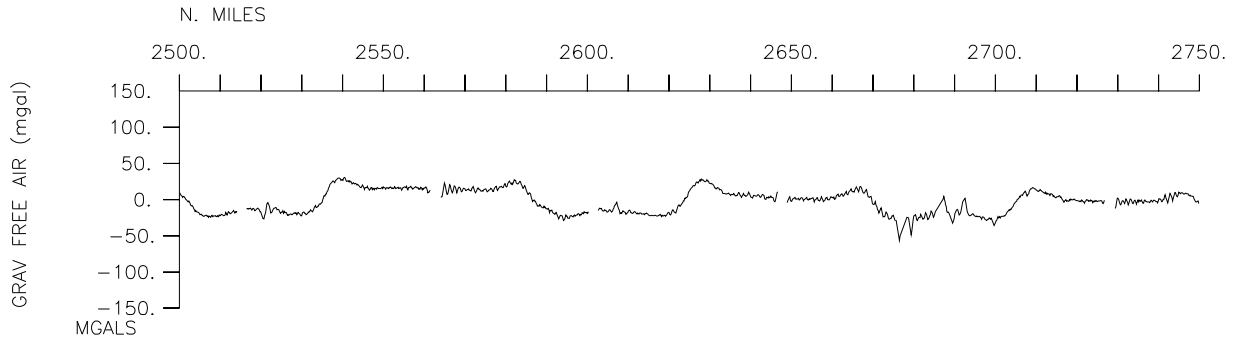


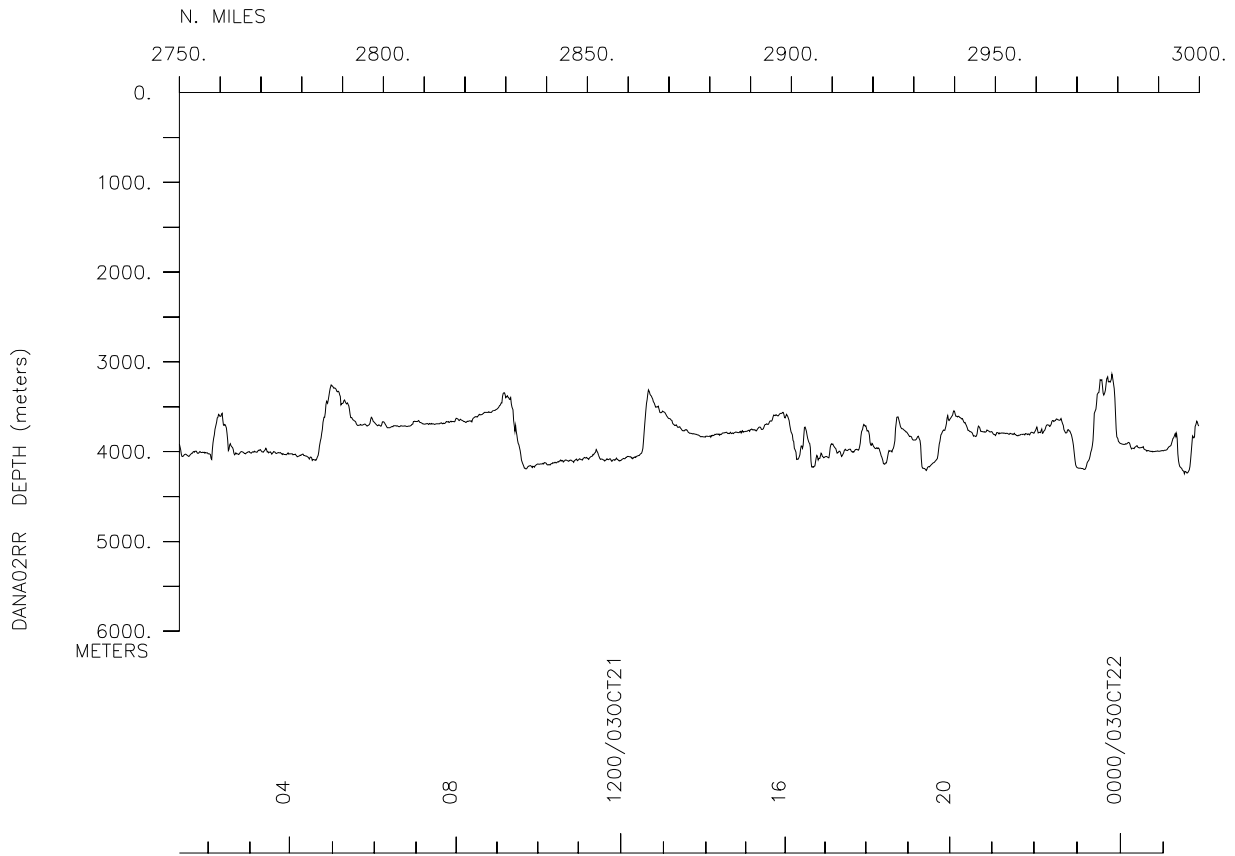
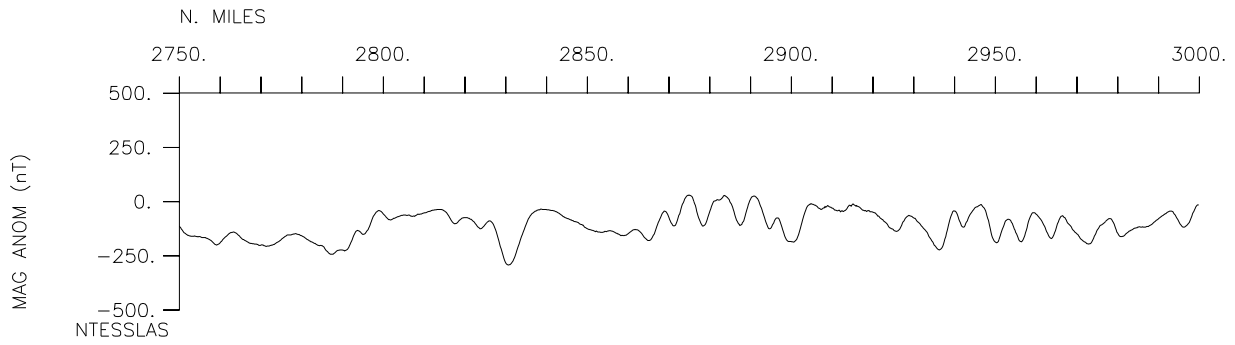
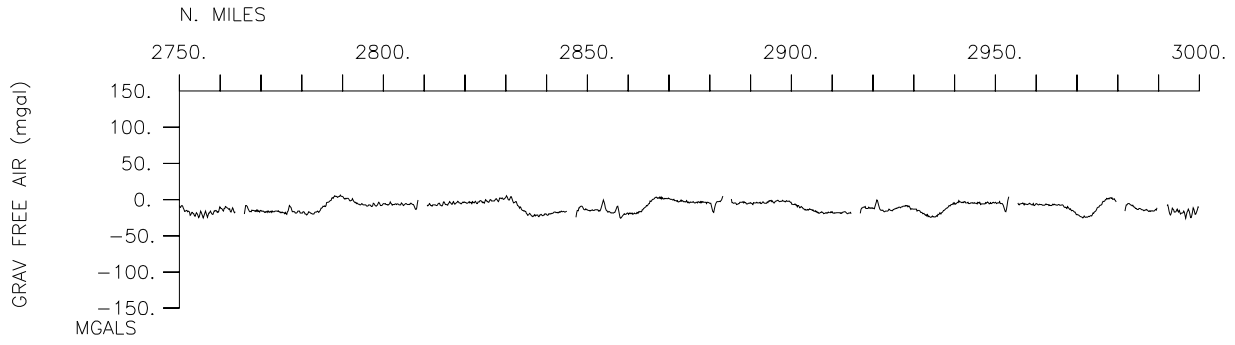


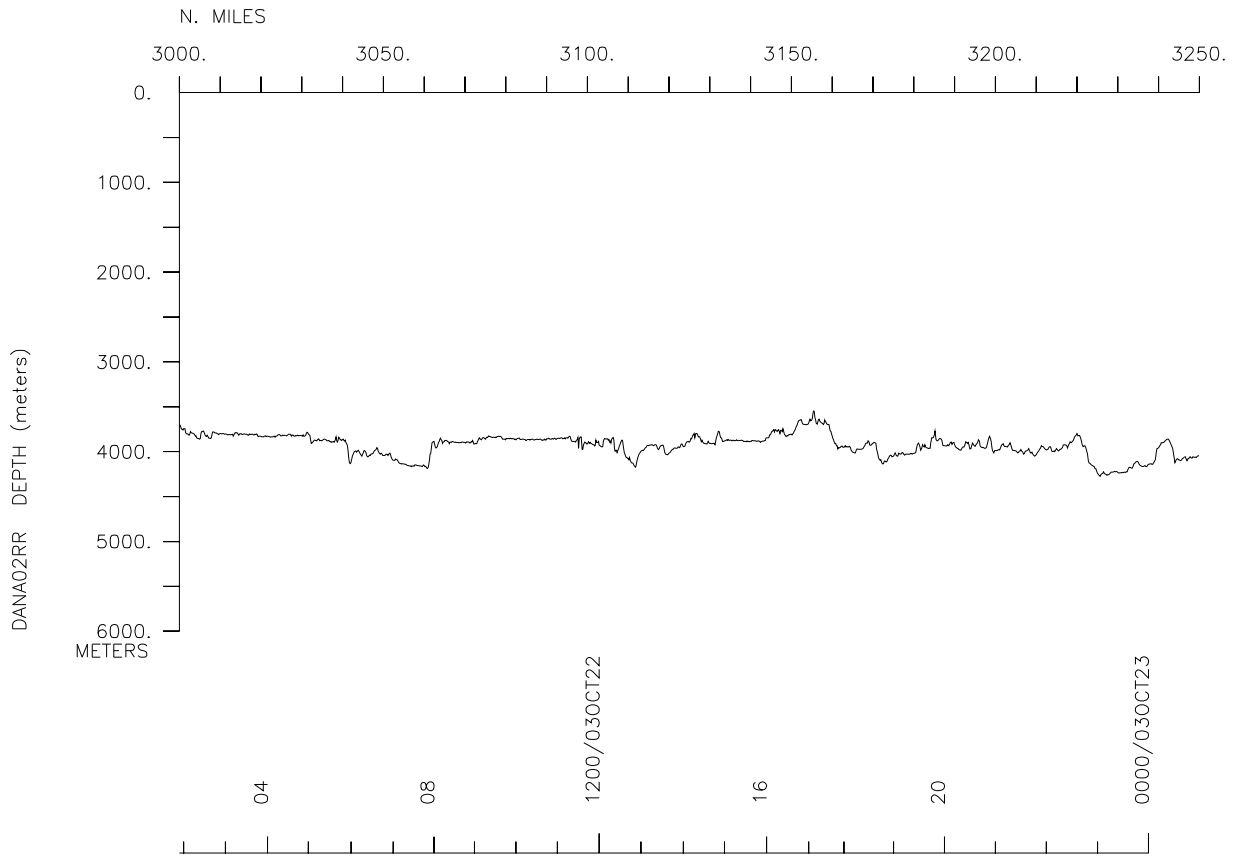
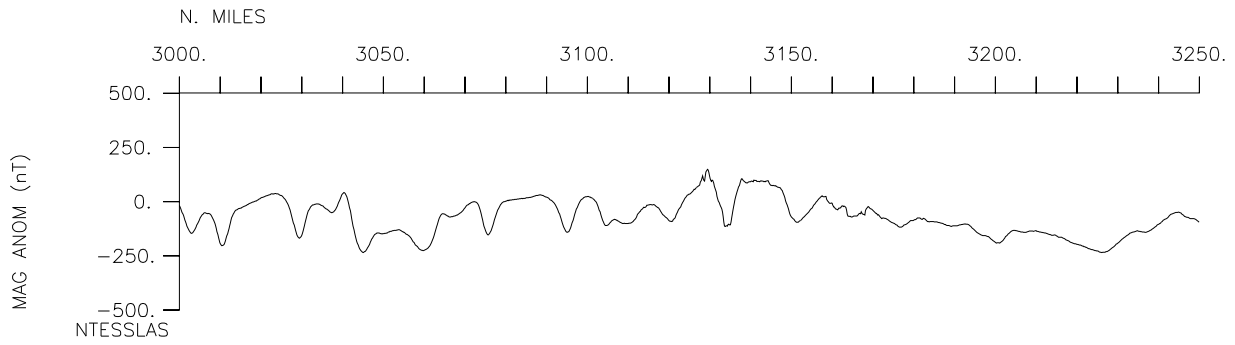
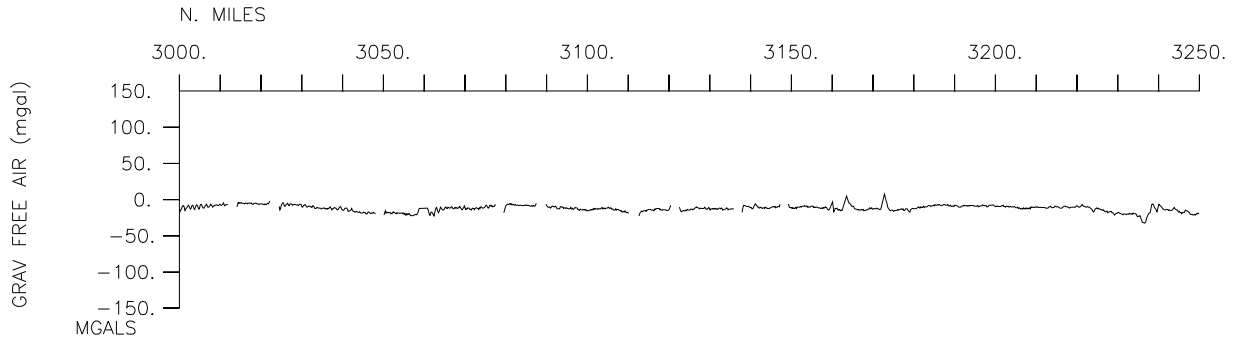


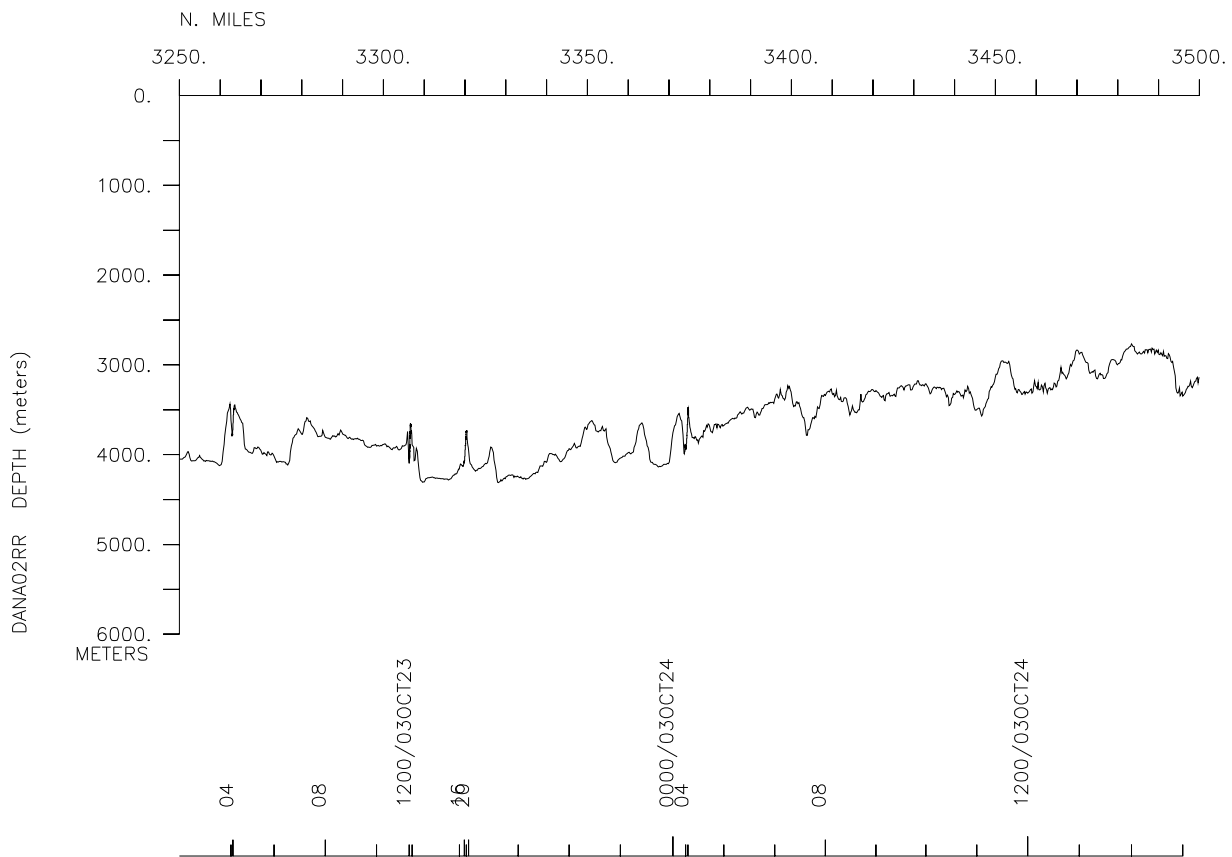
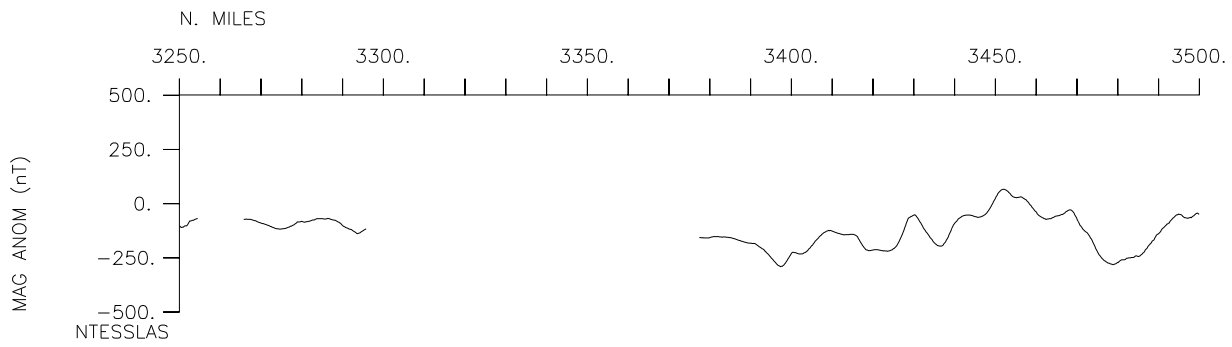


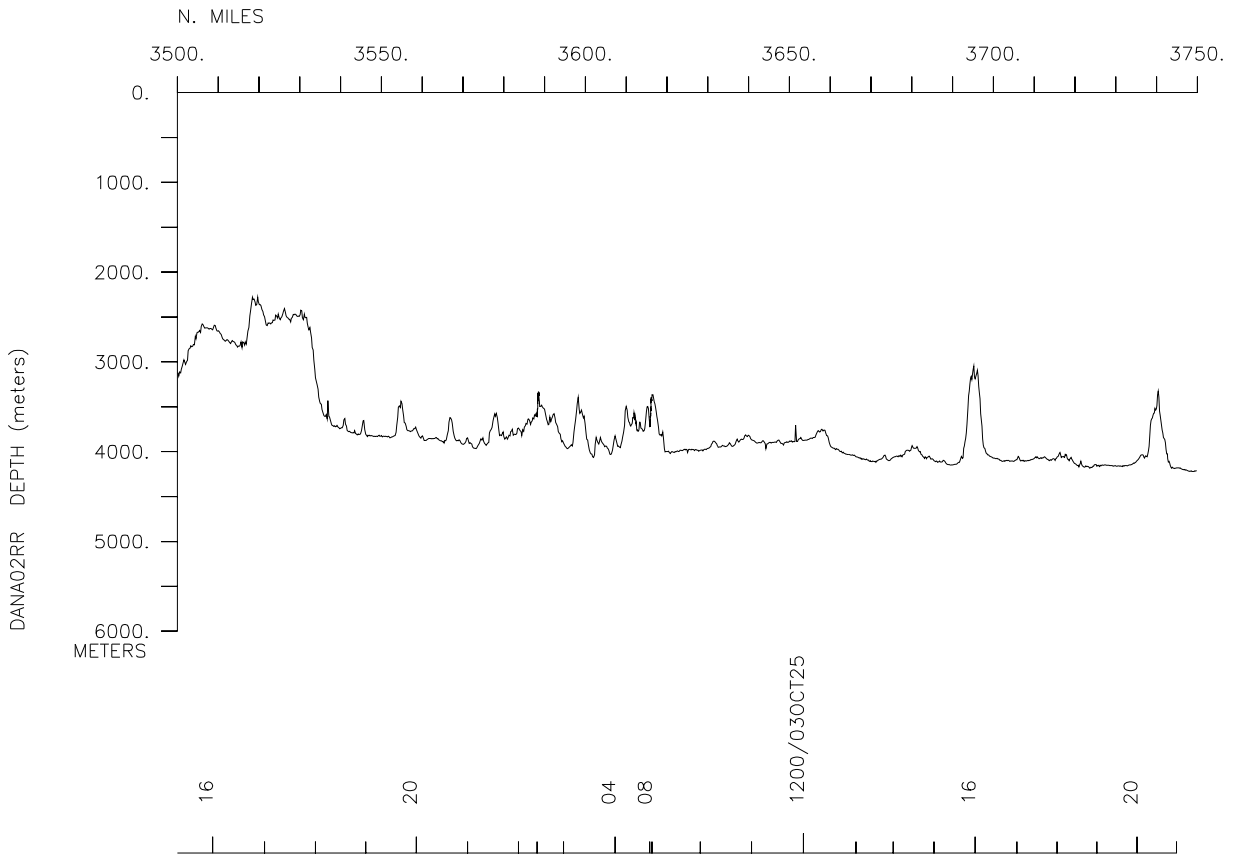
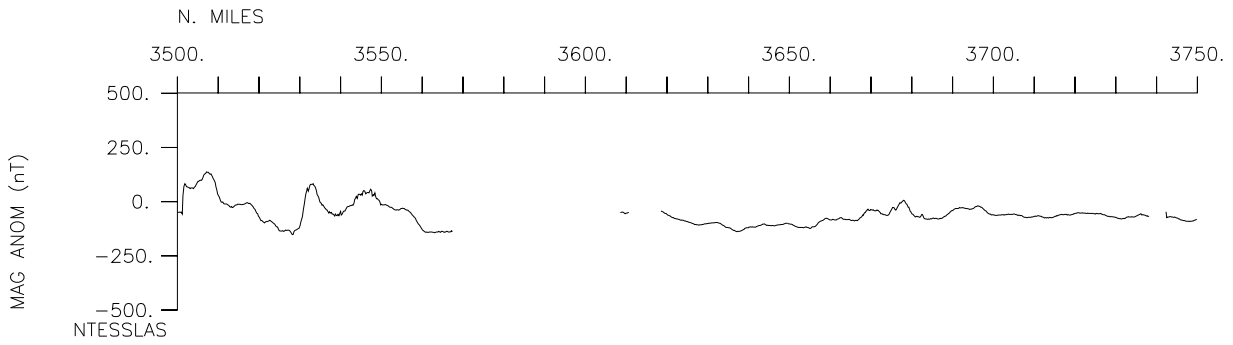
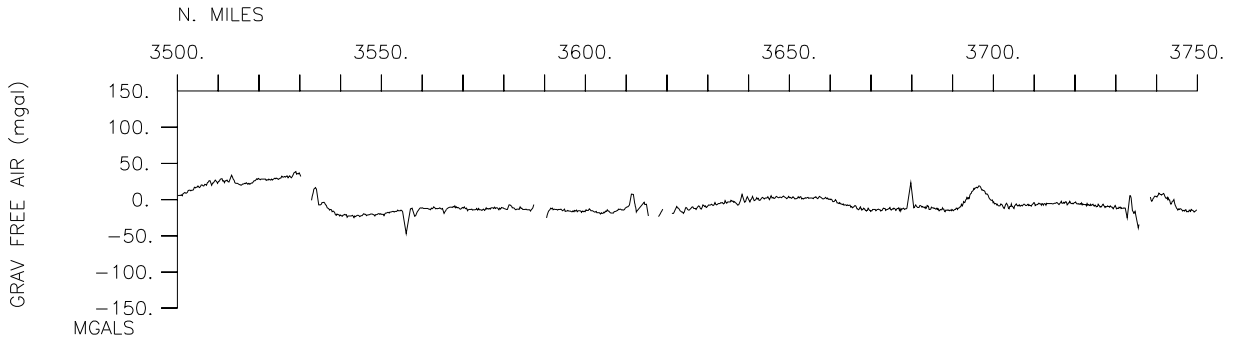


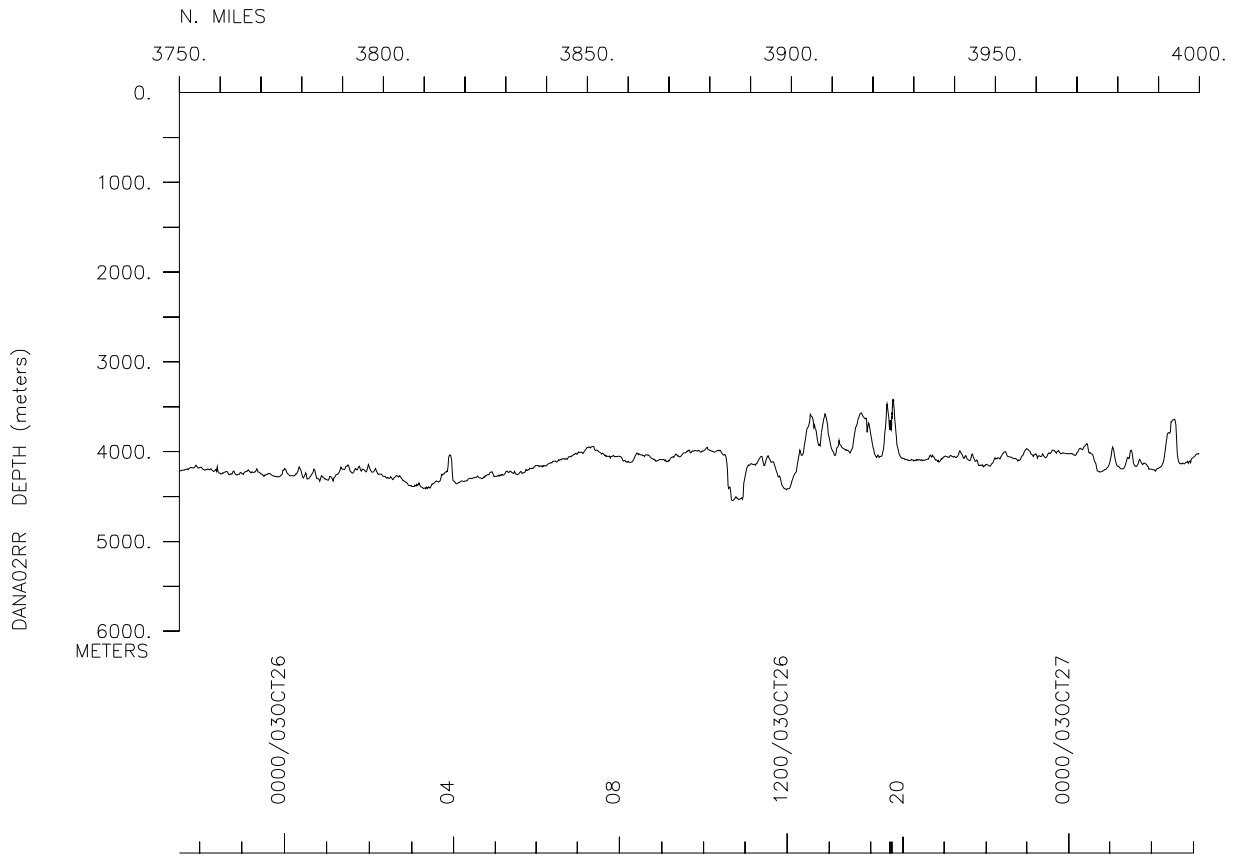
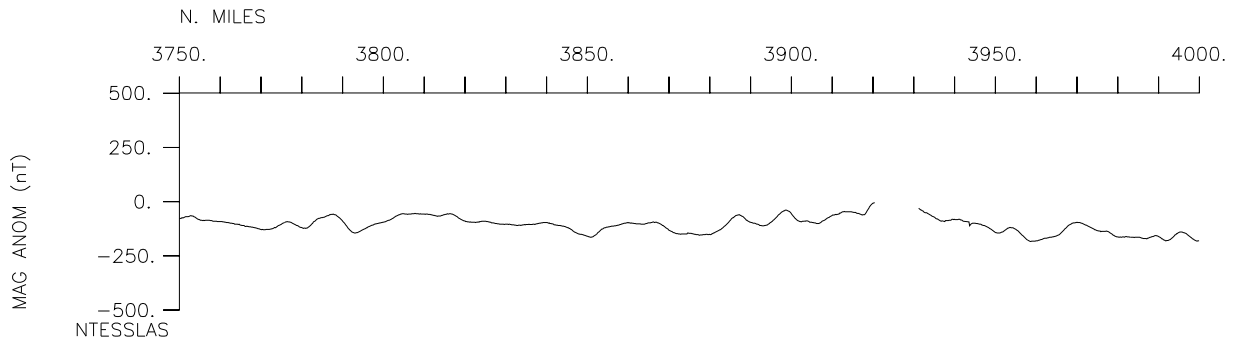
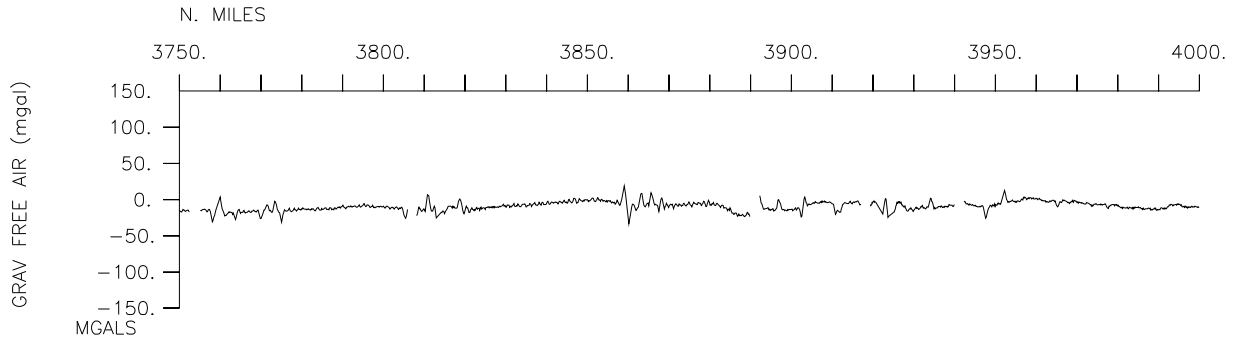


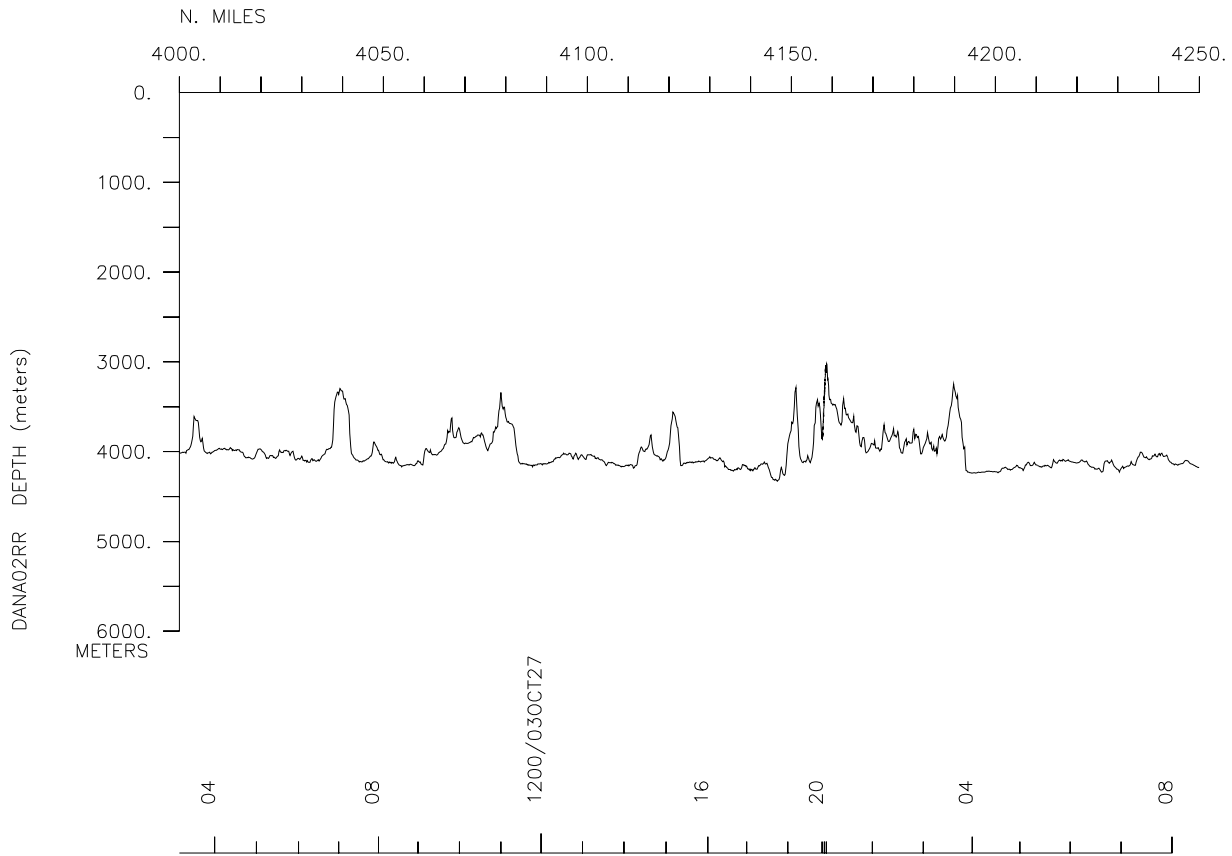
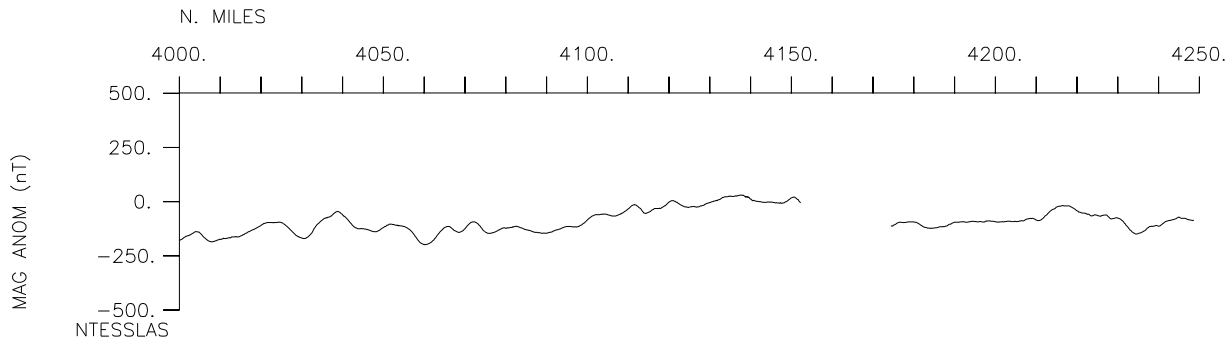
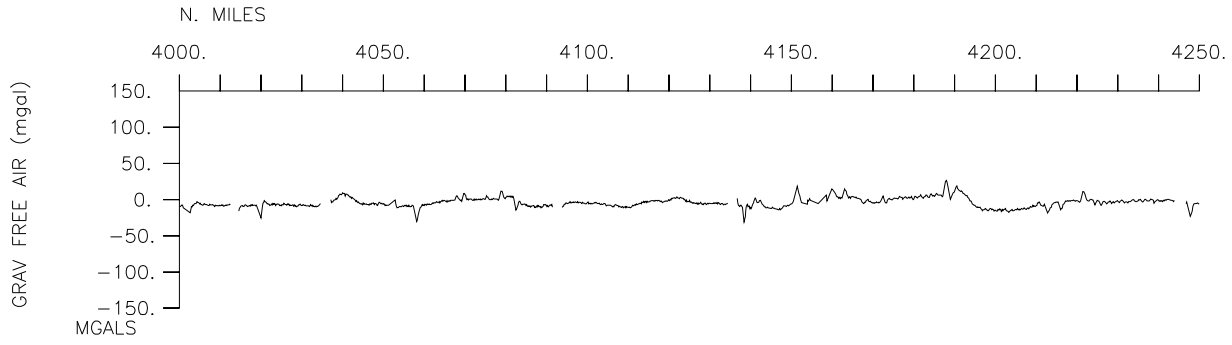


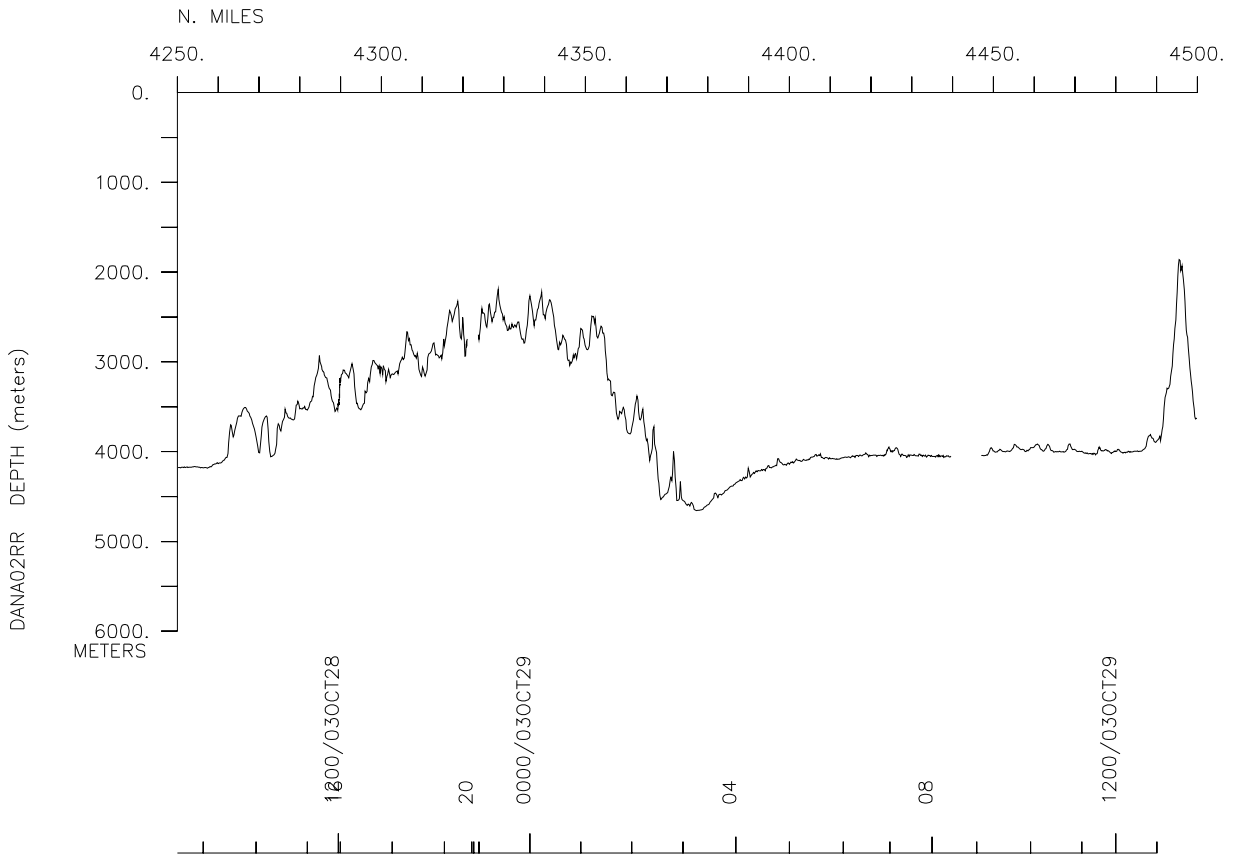
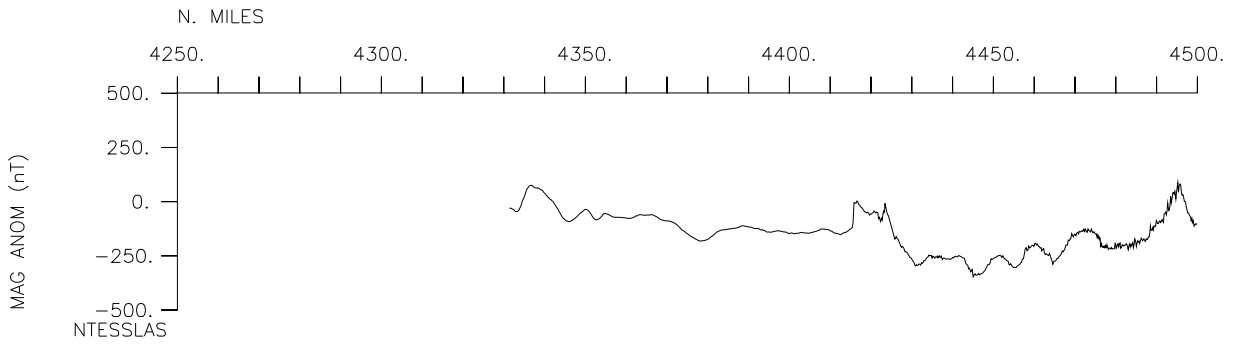
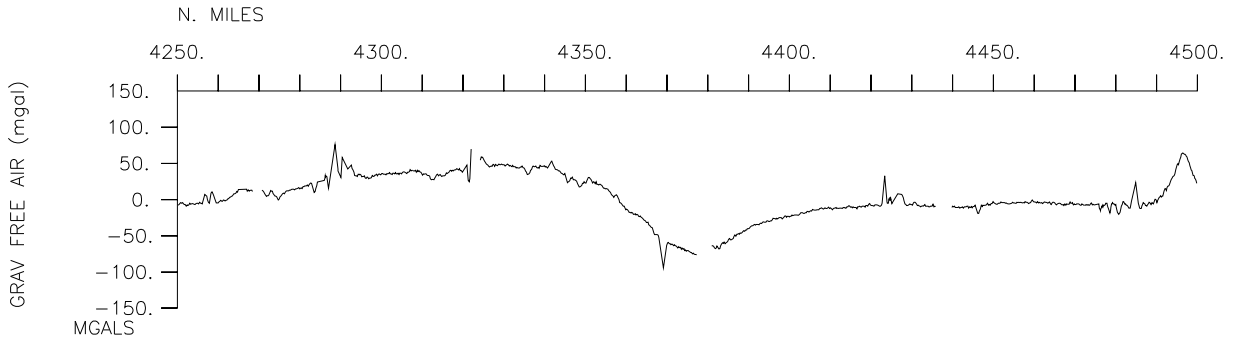


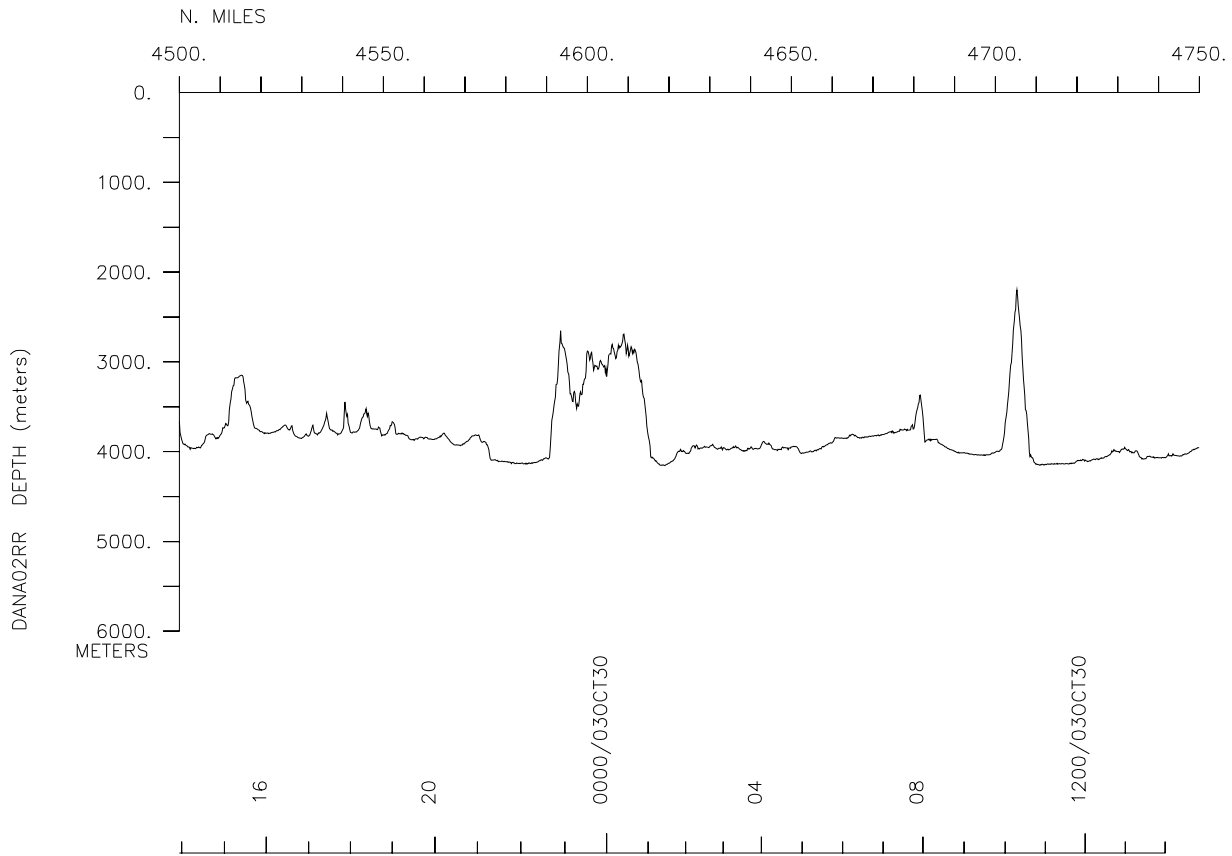
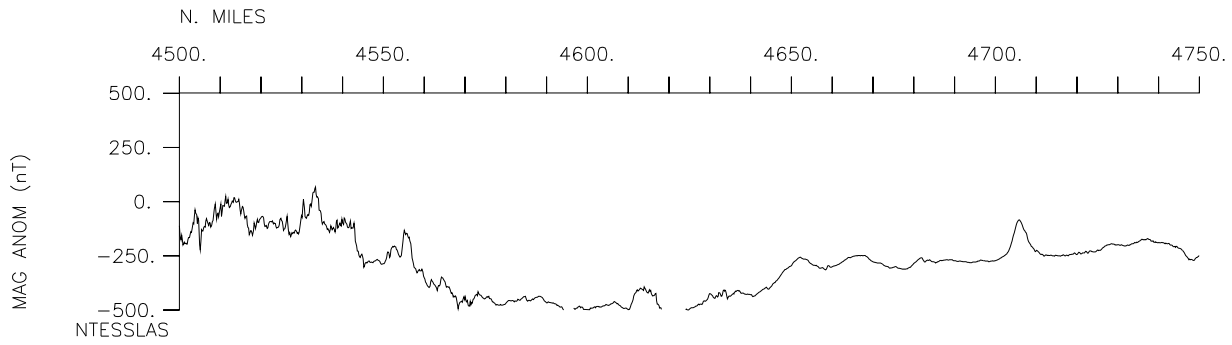
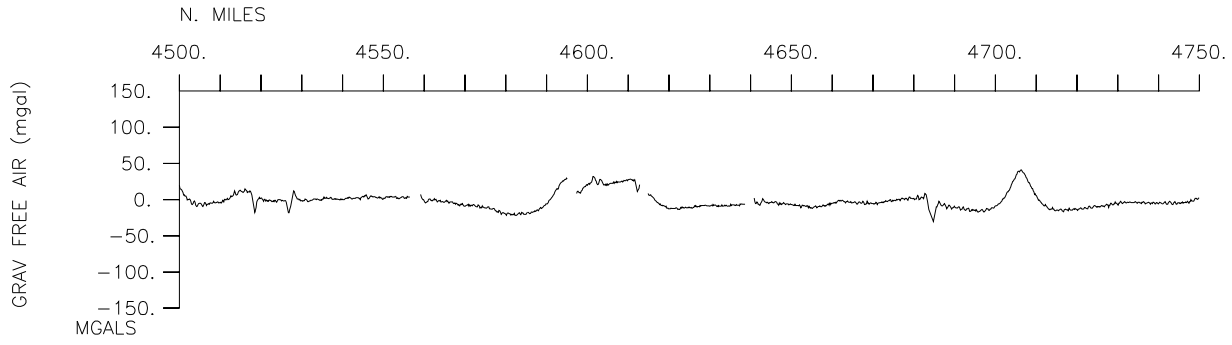


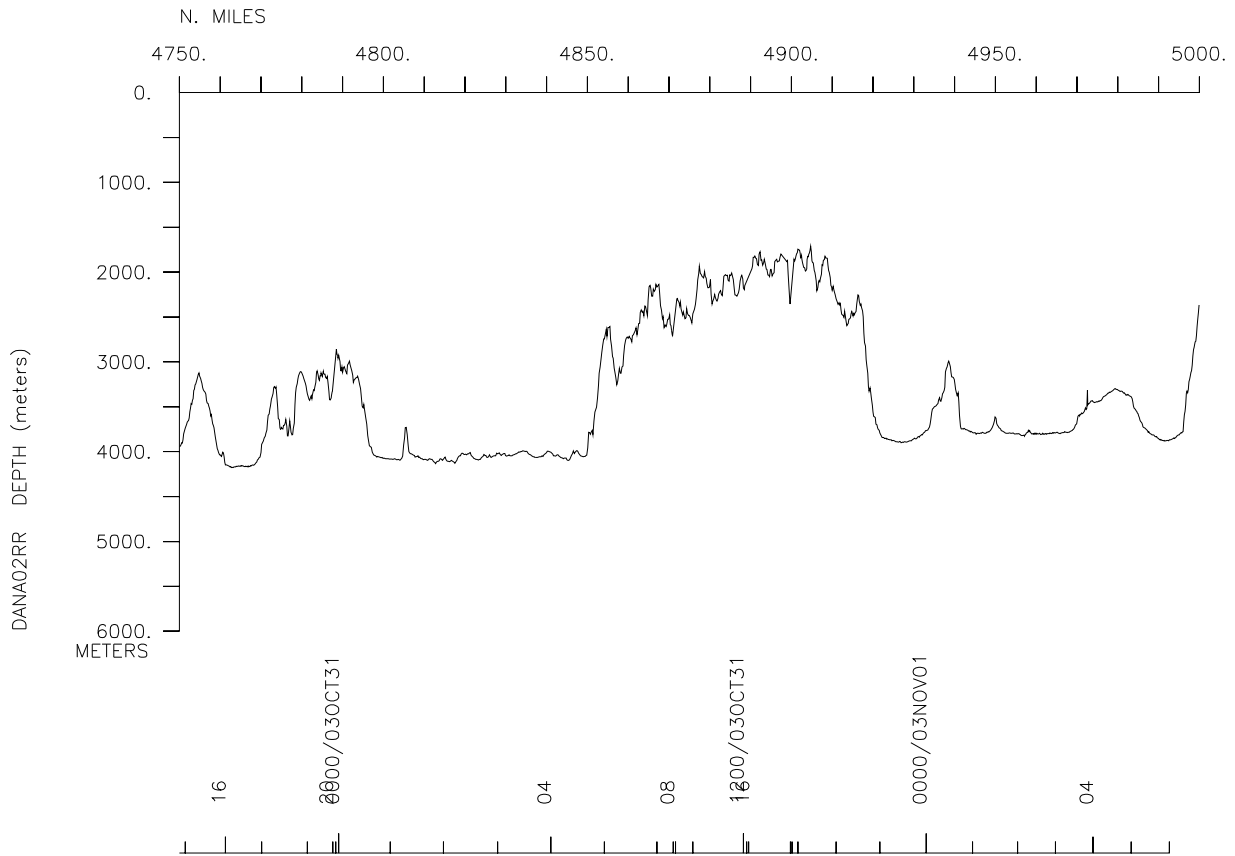
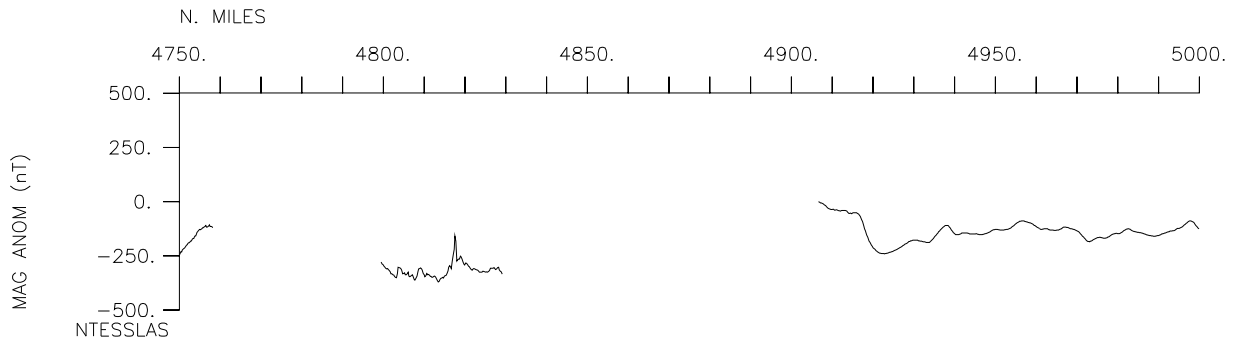
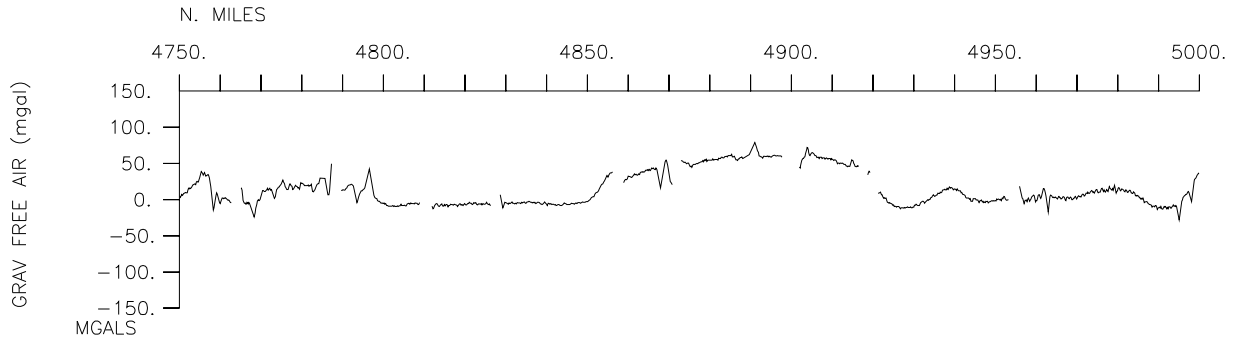


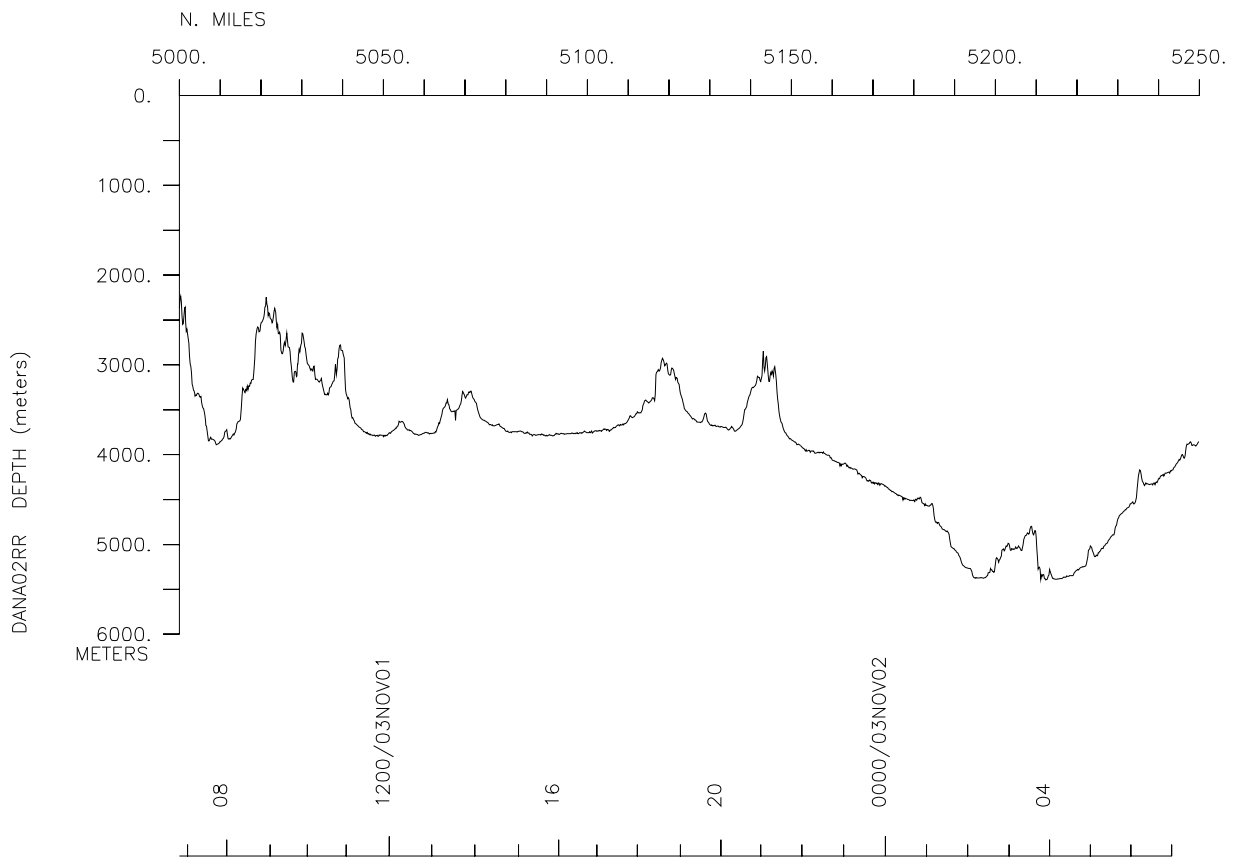
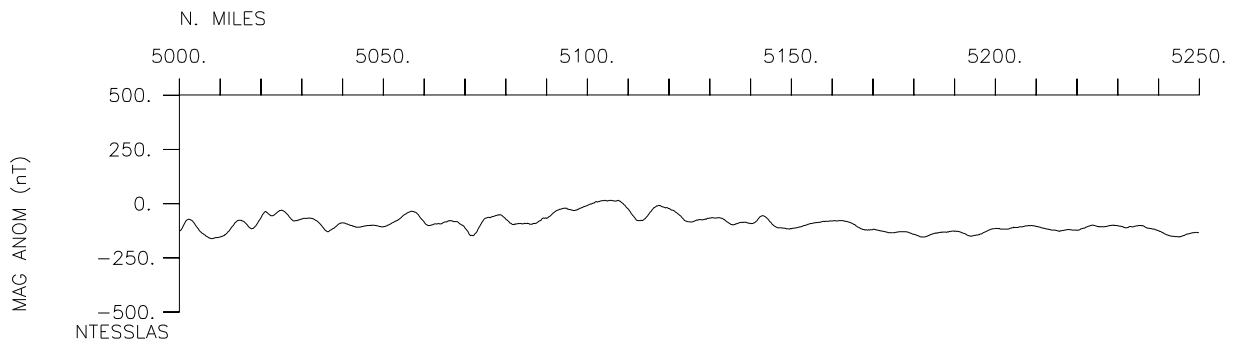
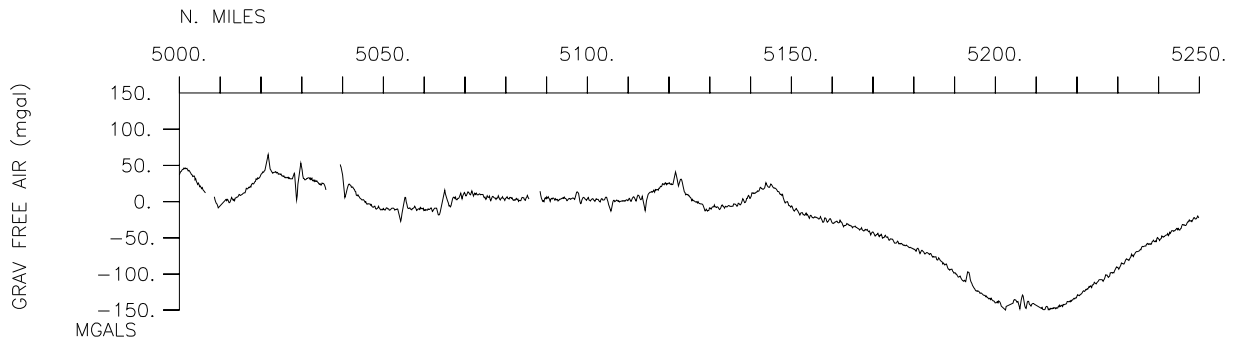


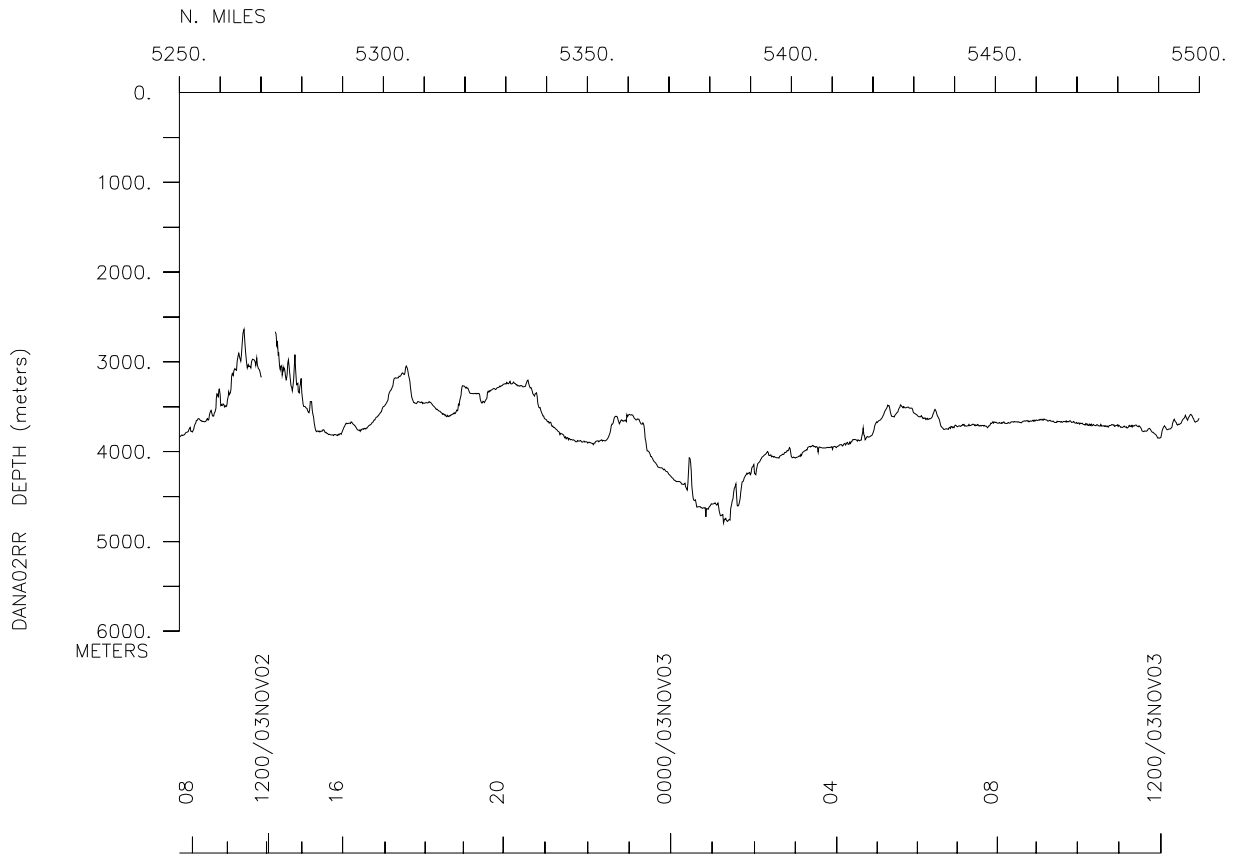
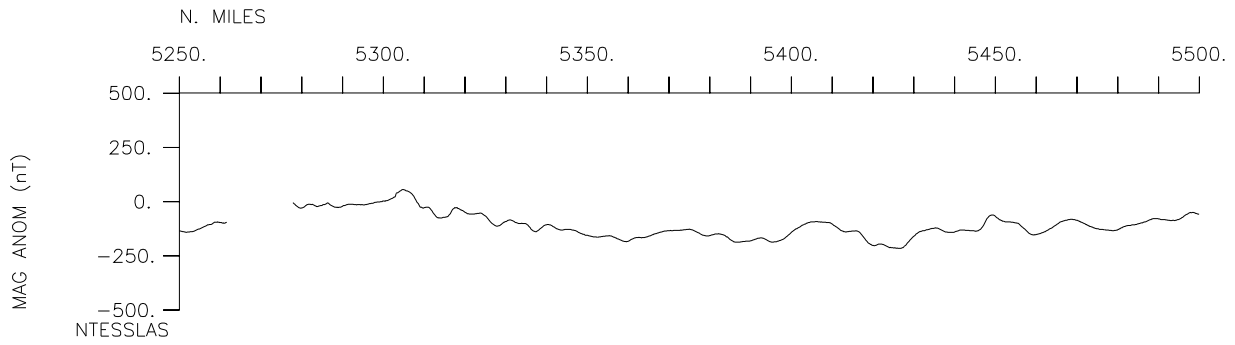
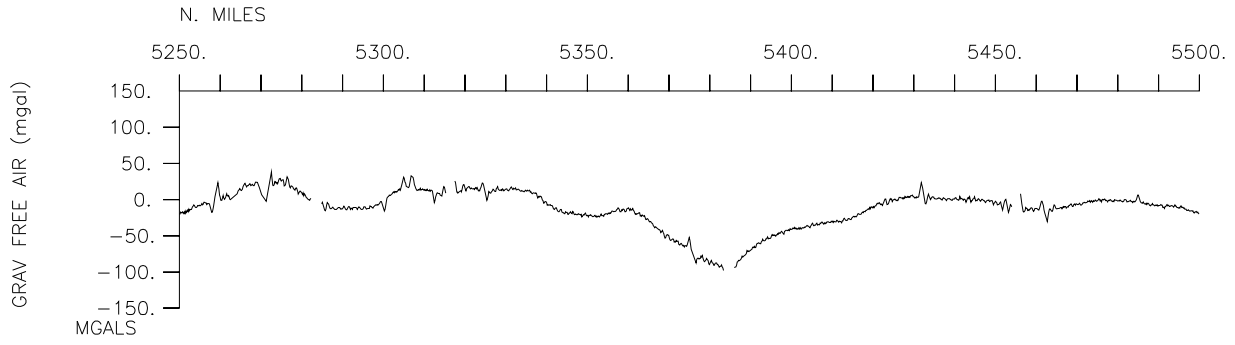


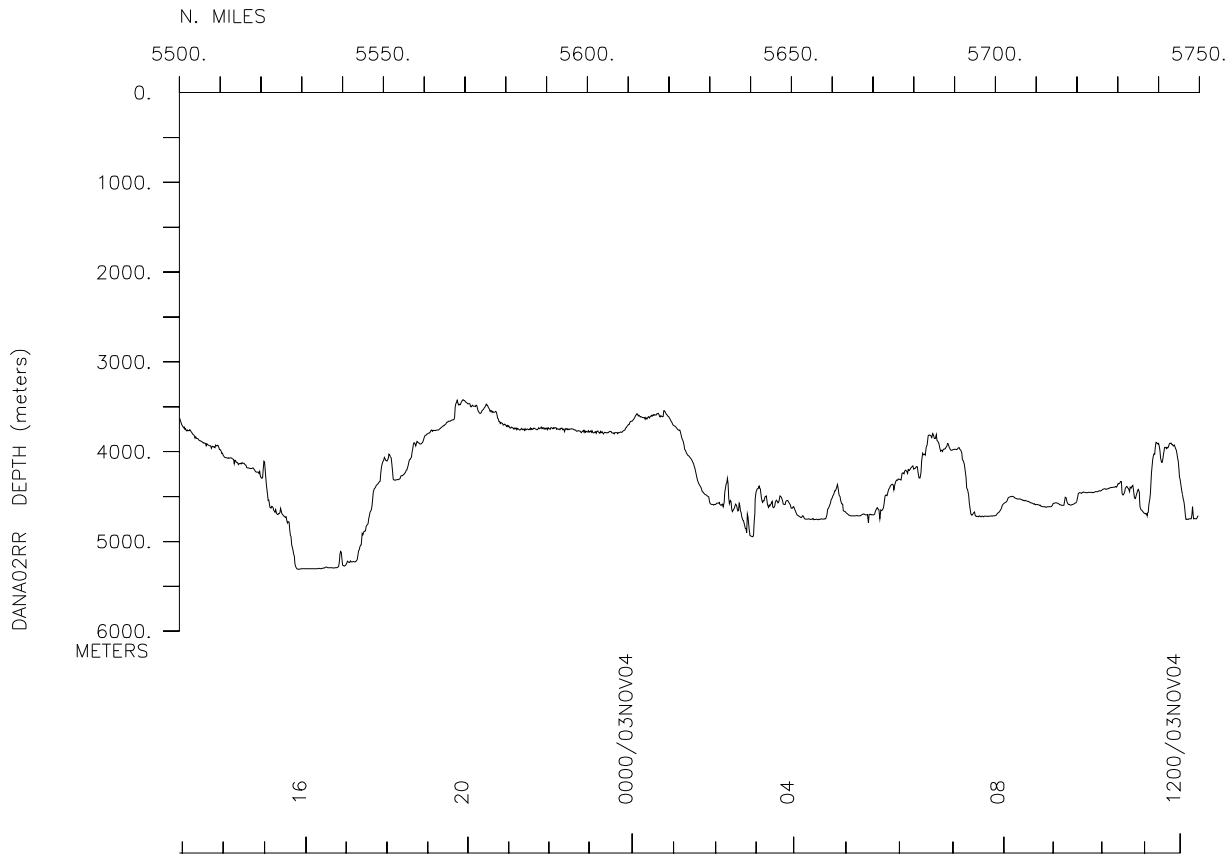
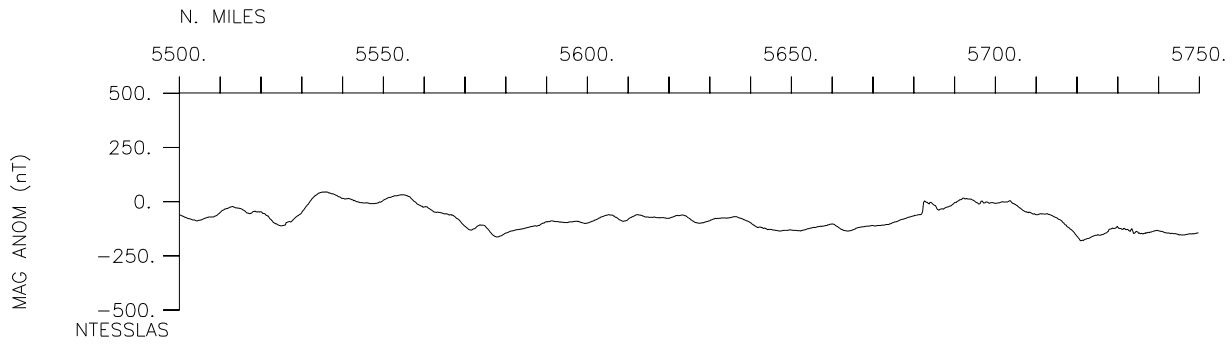
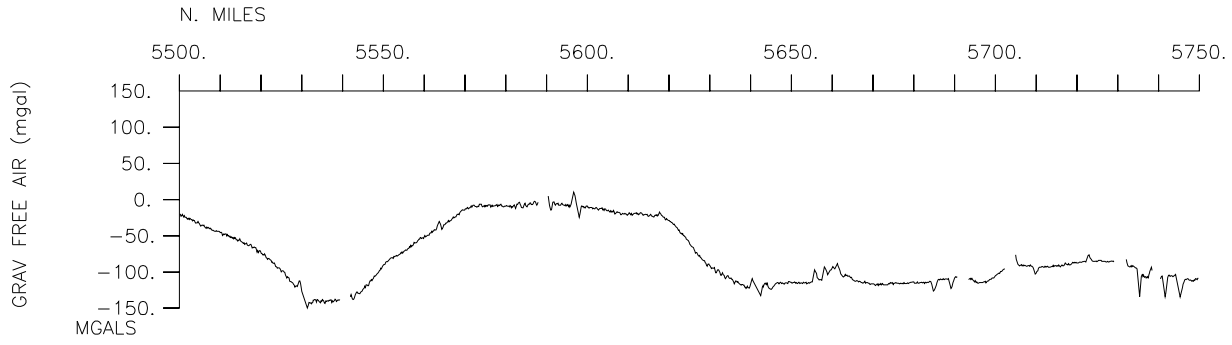


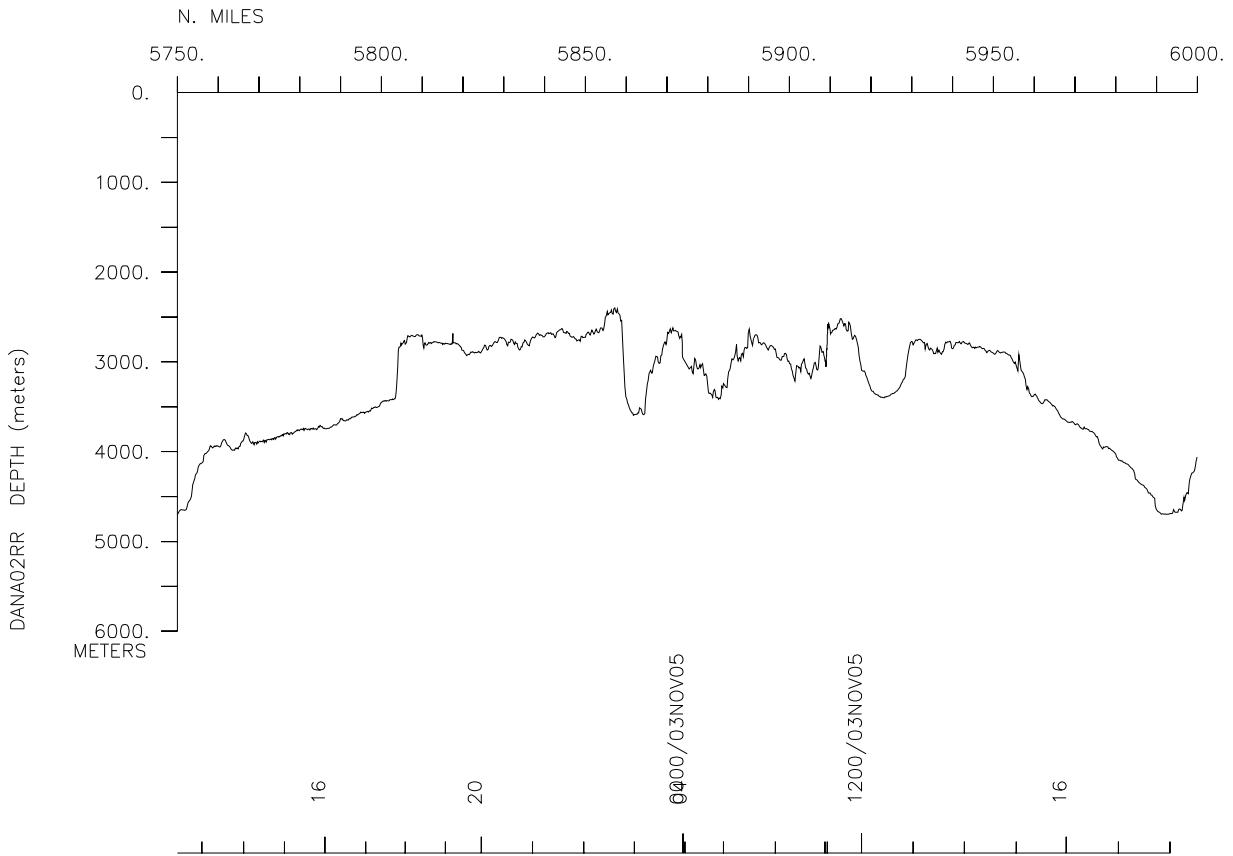
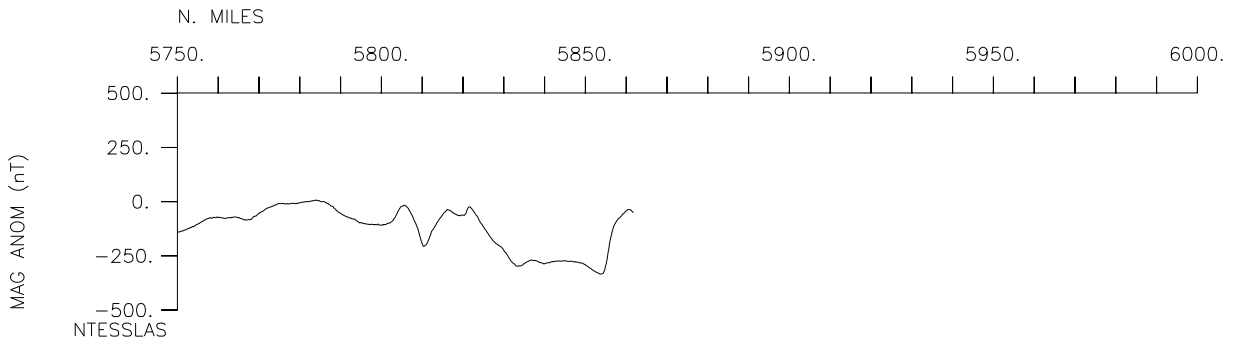
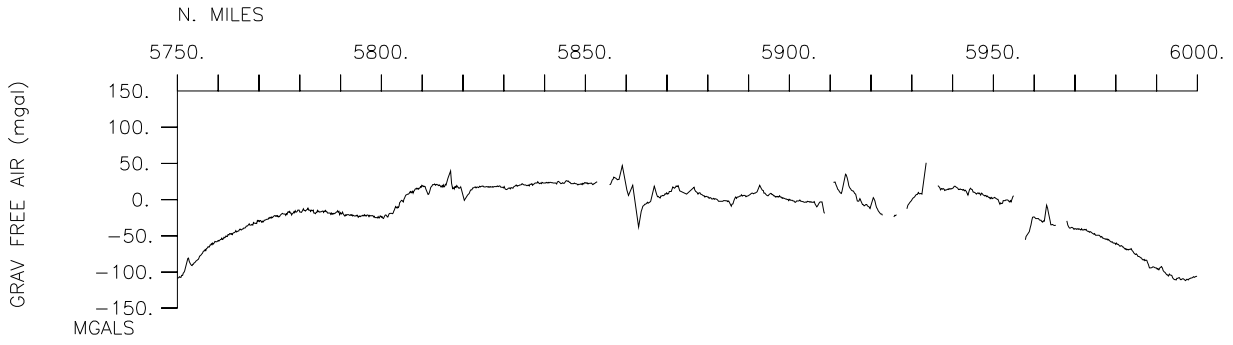


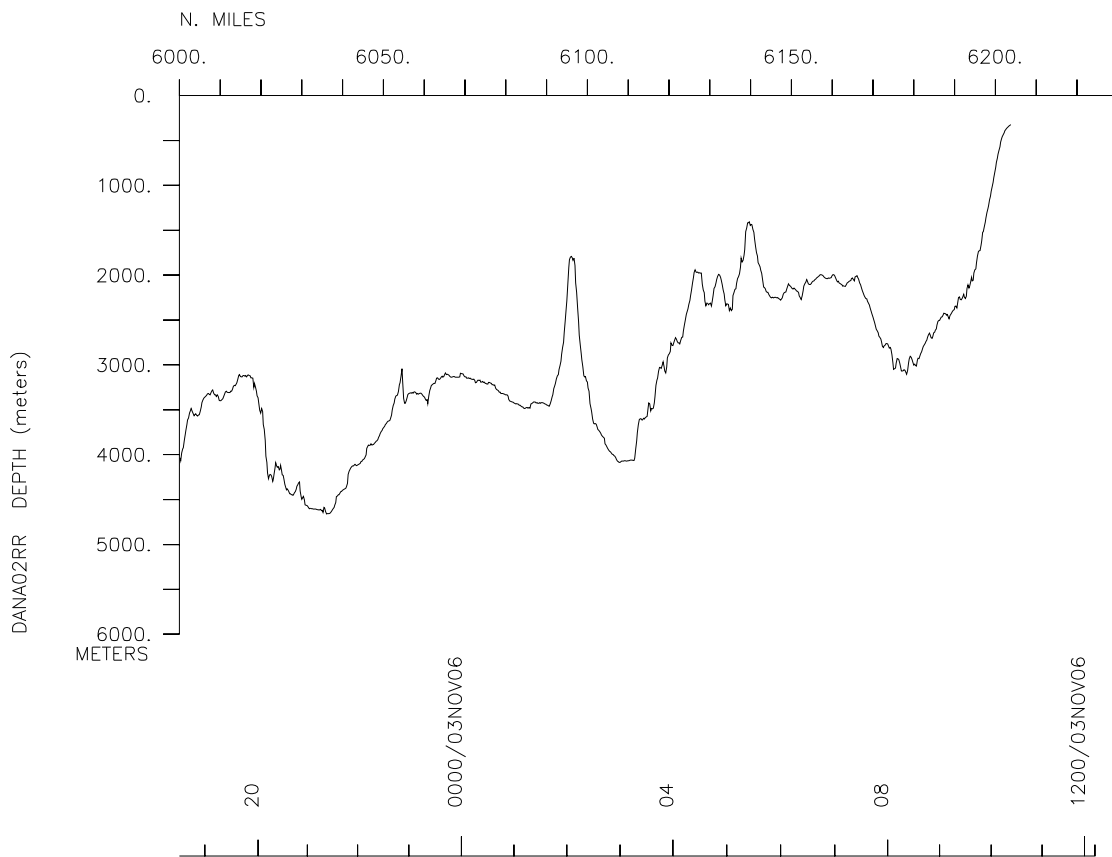
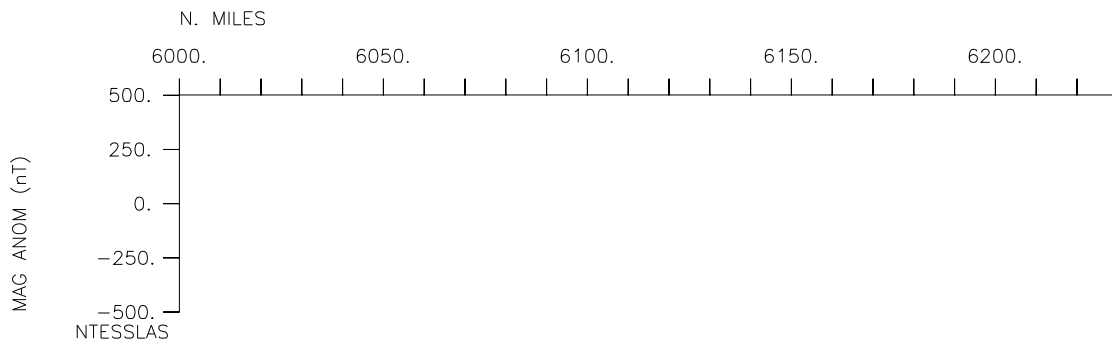
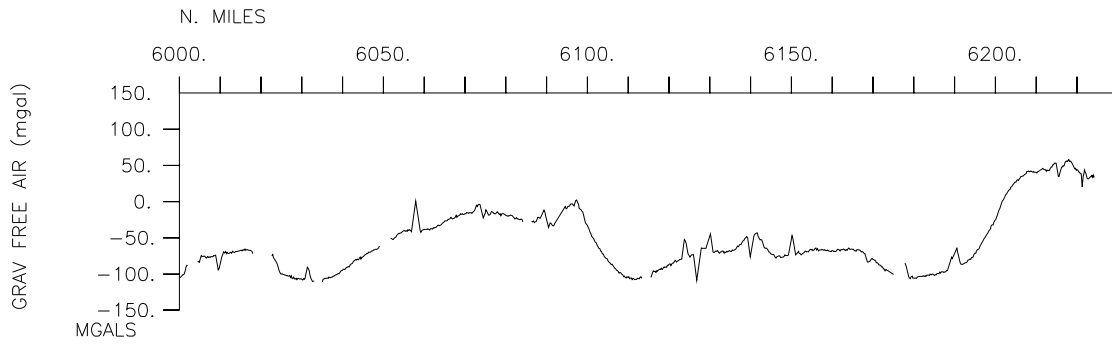












**** Ports ****

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1300	061103	0	LGPT	E	Manta, Ecuador	0-55.88S	80-43.25W	g	DANA02RR
1500	181003	0	LGUS	B	Manta, Ecuador	0-55.41S	80-42.78W	g	DANA02RR
1543	181003	0	LGUS	E	Manta, Ecuador	0-55.48S	80-42.77W	g	DANA02RR

**** Personnel ****

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS	MPL Lonsdale,P.	Chief Scientist	Scripps Institution	DANA02RR
PECS	IGPP Castillo,P.	Scientist	Scripps Institution	DANA02RR
PESP	SIO Rigby,S.	Researcher	Scripps Institution	DANA02RR
PERT	STS Pillard,G.	Resident Tech	Scripps Institution	DANA02RR
PECT	STS French,B.	Computer Tech	Scripps Institution	DANA02RR
PEOB	SIO Morse,L.	MM Observer	NOAA Contractor	DANA02RR
PEAT	STS Ellett,L.	Airgun Tech	Scripps Institution	DANA02RR
PEOB	SIO Kondor,J.	MM Observer	NOAA Contractor	DANA02RR
PEOB	SIO Nagaoka,S.	Observer	JAMSTEC	DANA02RR
PESP	SIO Mocerri,J.	Technician	Scripps Institution	DANA02RR
PEOB	SIX Molina,A.	Observer	Columbian Navy	DANA02RR

**** 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 ****

0200	111003	0	LBSC	B	Underway Log Book	STS	9-03.65N	84-25.32W	g	DANA02RR
0028	061103	0	LBSC	E	Underway Log Book	STS	2-45.05S	81-46.62W	g	DANA02RR

**** MultiBeam Data (SIMRAD) ****

2048	101003	0	MBSI	B	SIMRAD EM120 data	GDC	9-58.25N	84-49.85W	g	DANA02RR
1028	061103	0	MBSI	E	SIMRAD EM120 data	GDC	0-57.28S	81-01.55W	g	DANA02RR

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

2126	101003	0	MGDD	B	SeaSoar Marine Mag	GDC	9-53.89N	84-48.10W	g	DANA02RR
2302	041103	0	MGDD	E	SeaSoar Marine Mag	GDC	3-50.55S	83-13.42W	g	DANA02RR

1500	111003	0	MGDD	B	Magnetic data	GDC	7-17.69N	82-16.39W	g	DANA02RR
2259	041103	0	MGDD	E	Magnetic data	GDC	3-50.88S	83-13.95W	g	DANA02RR

**** Digital Gravity ****

2351	031003	0	GVDD	B	Gravity data	GDC	9-58.25N	84-49.85W	g	DANA02RR
2350	051103	0	GVDD	E	Gravity data	GDC	2-52.30S	81-50.41W	g	DANA02RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
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*** Acoustic Doppler Current Profiler ***										
2048	101003	0	ADCP	B 300kHz current meas.	GDC	9-58.25N	84-49.85W	g		DANA02RR
1300	061103	0	ADCP	E 300kHz current meas.	GDC	0-55.88S	80-43.25W	g		DANA02RR
2300	051103	0	ADCP	B 150kHz current meas.	GDC	3-02.04S	81-54.69W	g		DANA02RR
1300	061103	0	ADCP	E 150kHz current meas.	GDC	0-55.88S	80-43.25W	g		DANA02RR
2300	051103	0	ADCP	B 50kHz current meas.	GDC	3-02.04S	81-54.69W	g		DANA02RR
1300	061103	0	ADCP	E 50kHz current meas.	GDC	0-55.88S	80-43.25W	g		DANA02RR
2300	051103	0	ADCP	B 140kHz current meas.	GDC	3-02.04S	81-54.69W	g		DANA02RR
1300	061103	0	ADCP	E 140kHz current meas.	GDC	0-55.88S	80-43.25W	g		DANA02RR
*** Integrated Meteorological Acquisition System ***										
2300	051103	0	IMET	B Weather measurments	GDC	3-02.04S	81-54.69W	g		DANA02RR
1300	061103	0	IMET	E Weather measurments	GDC	0-55.88S	80-43.25W	g		DANA02RR
*** Echosounder Data ***										
2048	101003	0	DPR3	B 3.5KHz data	GDC	9-58.25N	84-49.85W	g		DANA02RR
1015	061103	0	DPR3	E 3.5kHz data	GDC	0-57.88S	81-04.18W	g		DANA02RR
*** Seismic Surveys ***										
1634	121003	0	SPRS	B Seismic survey	GRD	5-03.23N	80-34.09W	g		DANA02RR
2107	141003	0	SPRS	E DANA02-01	GRD	5-13.55N	79-06.52W	g		DANA02RR
2141	151003	0	SPRS	B Seismic survey	GRD	3-53.15N	78-39.59W	g		DANA02RR
1651	161003	0	SPRS	E DANA02-02	GRD	4-14.06N	79-41.79W	g		DANA02RR
1423	191003	0	SPRS	B Seismic survey	GRD	2-48.44S	82-03.43W	g		DANA02RR
1728	221003	0	SPRS	E DANA02-03	GRD	5-52.56S	87-34.23W	g		DANA02RR
1341	251003	0	SPRS	B Seismic survey	GRD	5-43.08S	84-30.05W	g		DANA02RR
1334	261003	0	SPRS	E DANA02-04	GRD	6-25.95S	85-31.45W	g		DANA02RR
2041	261003	0	SPRS	B Seismic survey	GRD	6-15.55S	85-34.65W	g		DANA02RR
1641	271003	0	SPRS	E DANA02-05	GRD	6-57.10S	84-37.73W	g		DANA02RR
1205	291003	0	SPRS	B Seismic survey	GRD	5-33.36S	83-22.16W	g		DANA02RR
1609	301003	0	SPRS	E DANA02-06	GRD	6-27.96S	83-29.71W	g		DANA02RR
2144	311003	0	SPRS	B Seismic survey	GRD	5-13.91S	83-16.77W	g		DANA02RR
0832	021103	0	SPRS	E DANA02-07	GRD	4-42.45S	82-30.51W	g		DANA02RR
1447	021103	0	SPRS	B Seismic survey	GRD	4-44.84S	82-35.22W	g		DANA02RR
0257	041103	0	SPRS	E DANA02-08	GRD	4-13.15S	81-48.98W	g		DANA02RR
1137	041103	0	SPRS	B Seismic survey	GRD	3-57.03S	81-46.44W	g		DANA02RR
1858	041103	0	SPRS	E DANA02-09	GRD	3-23.60S	82-46.26W	g		DANA02RR

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#*** Dredges ***										
0911	191003	0	DRRO	B Rock dredge-04	GRD	3-02.15S	81-52.14W	g		DANA02RR
1110	191003	0	DRRO	E 3492-3009m	GRD	3-02.49S	81-51.79W	g		DANA02RR
0345	231003	0	DRRO	B Rock dredge-05	GRD	5-36.00S	86-01.80W	g		DANA02RR
0454	231003	0	DRRO	E 3739-3489m	GRD	5-36.04S	86-02.09W	g		DANA02RR
1139	231003	0	DRRO	B Rock dredge-06	GRD	5-39.14S	86-42.40W	g		DANA02RR
1237	231003	0	DRRO	E 3950-3650m	GRD	5-39.31S	86-42.40W	g		DANA02RR
1709	231003	0	DRRO	B Rock dredge-07	GRD	5-33.03S	86-34.03W	g		DANA02RR
1836	231003	0	DRRO	E 4069-3728m	GRD	5-32.80S	86-34.34W	g		DANA02RR
0213	241003	0	DRRO	B Rock dredge-08	GRD	5-15.17S	85-45.22W	g		DANA02RR
0358	241003	0	DRRO	E 3904-3500m	GRD	5-14.99S	85-45.62W	g		DANA02RR
0010	251003	0	DRRO	B Rock dredge-09	GRD	4-35.13S	84-11.20W	g		DANA02RR
0115	251003	0	DRRO	E 3585-3350m	GRD	4-35.37S	84-11.15W	g		DANA02RR
0640	251003	0	DRRO	B Rock dredge-10	GRD	4-47.89S	84-27.95W	g		DANA02RR
0743	251003	0	DRRO	E 3600-3410m	GRD	4-48.05S	84-28.09W	g		DANA02RR
1639	261003	0	DRRO	B Rock dredge-11	GRD	6-24.07S	85-30.49W	g		DANA02RR
1817	261003	0	DRRO	E 3736-3420m	GRD	6-23.70S	85-30.75W	g		DANA02RR
2043	271003	0	DRRO	B Rock dredge-12	GRD	7-04.22S	84-26.26W	g		DANA02RR
2316	271003	0	DRRO	E 3797-3085m	GRD	7-04.61S	84-25.79W	g		DANA02RR
1337	281003	0	DRRO	B Rock dredge-13	GRD	5-59.93S	83-11.84W	g		DANA02RR
1447	281003	0	DRRO	E 3450-3180m	GRD	6-00.11S	83-11.62W	g		DANA02RR
2012	281003	0	DRRO	B Rock dredge-14	GRD	5-47.58S	82-46.43W	g		DANA02RR
2158	281003	0	DRRO	E 2660-2266m	GRD	5-47.25S	82-46.56W	g		DANA02RR
2014	301003	0	DRRO	B Rock dredge-15	GRD	6-31.25S	83-45.59W	g		DANA02RR
2243	301003	0	DRRO	E 3274-2818m	GRD	6-31.71S	83-45.22W	g		DANA02RR
0748	311003	0	DRRO	B Rock dredge-16	GRD	5-31.89S	83-42.41W	g		DANA02RR
0938	311003	0	DRRO	E 2672-2288m	GRD	5-32.31S	83-42.18W	g		DANA02RR
1340	311003	0	DRRO	B Rock dredge-17	GRD	5-22.67S	83-28.40W	g		DANA02RR
1512	311003	0	DRRO	E 2075-1680m	GRD	5-22.38S	83-28.60W	g		DANA02RR
1815	311003	0	DRRO	B Rock dredge-18	GRD	5-18.10S	83-23.11W	g		DANA02RR
2000	311003	0	DRRO	E 2230-1895m	GRD	5-18.45S	83-22.93W	g		DANA02RR
1128	021103	0	DRRO	B Rock dredge-19	GRD	4-48.74S	82-40.00W	g		DANA02RR
1250	021103	0	DRRO	E 2914-2580m	GRD	4-48.49S	82-39.82W	g		DANA02RR
0131	051103	0	DRRO	B Rock dredge-20	GRD	3-43.40S	83-04.69W	g		DANA02RR
0307	051103	0	DRRO	E 3019-2638m	GRD	3-43.16S	83-04.99W	g		DANA02RR
0832	051103	0	DRRO	B Rock dredge-21	GRD	3-27.09S	82-35.51W	g		DANA02RR
1016	051103	0	DRRO	E 3000-2574m	GRD	3-26.72S	82-35.75W	g		DANA02RR

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#*** Expendable Bathythermographs ***										
1232	111003	0	BTXP	MK12 # 26	Fast_Deep	GDC	7-36.83N	82-40.62W	g	DANA02RR
2144	111003	0	BTXP	MK12 # 29	Fast_Deep	GDC	6-08.92N	81-35.87W	g	DANA02RR
1604	121003	0	BTXP	MK12 # 30	Fast_Deep	GDC	5-01.85N	80-36.86W	g	DANA02RR
1838	131003	0	BTXP	MK12 # 31	Fast_Deep	GDC	5-35.36N	79-48.75W	g	DANA02RR
1851	151003	0	BTXP	MK12 # 32	Fast_Deep	GDC	4-25.15N	78-37.01W	g	DANA02RR
2321	161003	0	BTXP	MK12 # 33	Fast_Deep	GDC	3-01.73N	80-18.71W	g	DANA02RR
2323	161003	0	BTXP	MK12 # 34	Fast_Deep	GDC	3-01.29N	80-18.76W	g	DANA02RR
2328	161003	0	BTXP	MK12 # 35	Fast_Deep	GDC	3-00.19N	80-18.72W	g	DANA02RR
1850	171003	0	BTXP	MK12 # 36	Fast_Deep	GDC	2-02.60N	80-08.70W	g	DANA02RR
2223	181003	0	BTXP	MK12 # 37	Fast_Deep	GDC	1-35.06S	81-28.90W	g	DANA02RR
2029	191003	0	BTXP	MK12 # 38	Fast_Deep	GDC	3-14.35S	82-27.31W	g	DANA02RR
2034	191003	0	BTXP	MK12 # 39	Fast_Deep	GDC	3-13.94S	82-28.13W	g	DANA02RR
2123	201003	0	BTXP	MK12 # 40	Fast_Deep	GDC	4-26.07S	84-31.74W	g	DANA02RR
2253	211003	0	BTXP	MK12 # 41	Fast_Deep	GDC	5-31.60S	86-32.50W	g	DANA02RR
1843	221003	0	BTXP	MK12 # 42	Fast_Deep	GDC	6-02.22S	87-26.76W	g	DANA02RR
0437	251003	0	BTXP	MK12 # 43	Fast_Deep	GDC	4-48.88S	84-30.64W	g	DANA02RR
2302	251003	0	BTXP	MK12 # 44	Fast_Deep	GDC	6-57.40S	83-57.26W	g	DANA02RR
2314	251003	0	BTXP	MK12 # 45	Fast_Deep	GDC	6-58.63S	83-58.97W	g	DANA02RR
2258	261003	0	BTXP	MK12 # 46	Fast_Deep	GDC	6-01.21S	85-22.00W	g	DANA02RR
0218	281003	0	BTXP	MK12 # 47	Fast_Deep	GDC	6-54.69S	84-15.00W	g	DANA02RR
0222	281003	0	BTXP	MK12 # 48	Fast_Deep	GDC	6-54.12S	84-14.38W	g	DANA02RR
2346	281003	0	BTXP	MK12 # 49	Fast_Deep	GDC	5-41.81S	82-37.42W	g	DANA02RR
0122	291003	0	BTXP	MK12 # 50	Fast_Deep	GDC	5-29.24S	82-21.90W	g	DANA02RR
0107	301003	0	BTXP	MK12 # 51	Fast_Deep	GDC	5-54.51S	84-16.12W	g	DANA02RR
1812	311003	0	BTXP	MK12 # 52	Fast_Deep	GDC	5-18.08S	83-23.12W	g	DANA02RR
1709	021103	0	BTXP	MK12 # 53	Fast_Deep	GDC	4-28.72S	82-45.39W	g	DANA02RR
1715	021103	0	BTXP	MK12 # 54	Fast_Deep	GDC	4-28.42S	82-46.37W	g	DANA02RR
1933	031103	0	BTXP	MK12 # 55	Fast_Deep	GDC	4-08.87S	82-13.44W	g	DANA02RR
#				End Sample Index						DANA02RR