

*Report and Index of
Underway Marine Geophysical Data*

Dana Expedition

Leg 01

(DANA01RR)

R/V Roger Revelle

(Issued Feb 2004)

Ports:

San Diego, CA (27-SEP-03)

to

Puerto Caldera, Costa Rica (09-OCT-03)

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

Computer Tech - Bill French
Resident Tech - Gene Pillard

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

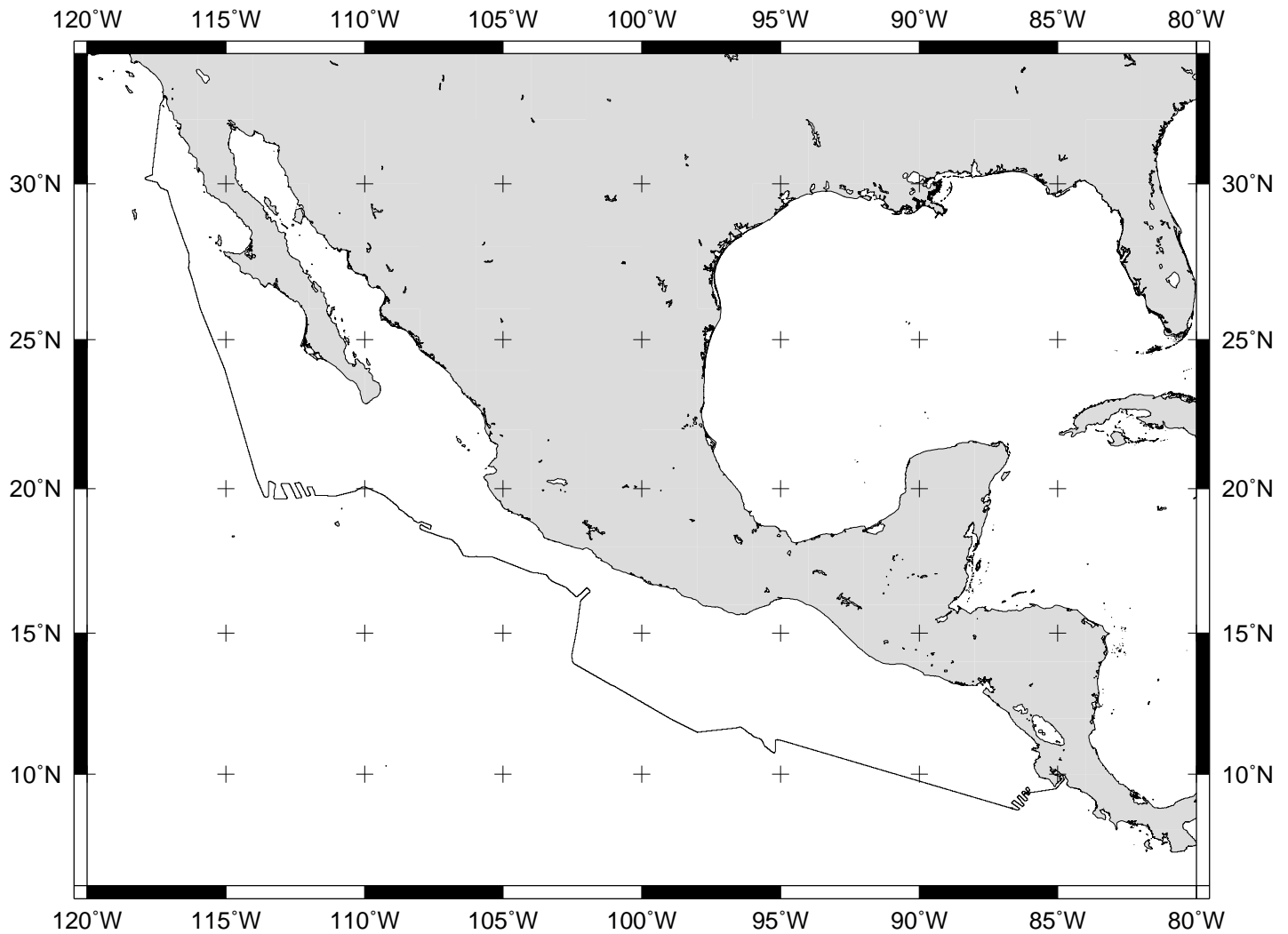
Scripps Institution of Oceanography

La Jolla, California 92093-0220

Phone: (858) 534-1898 .br Internet email: spmiller@ucsd.edu; or his website:

<http://SIOExplorer@ucsd.edu>

Rev 05/2002



DANA EXPEDITION LEG 1 (DANA01RR)

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CHIEF SCIENTIST: Peter Lonsdale, Scripps Institution

PORTS: San Diego, CA - Puerto Caldera, Costa Rica

DATES: 27 September - 9 October 2003

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-3420 miles

Magnetics-2354 miles

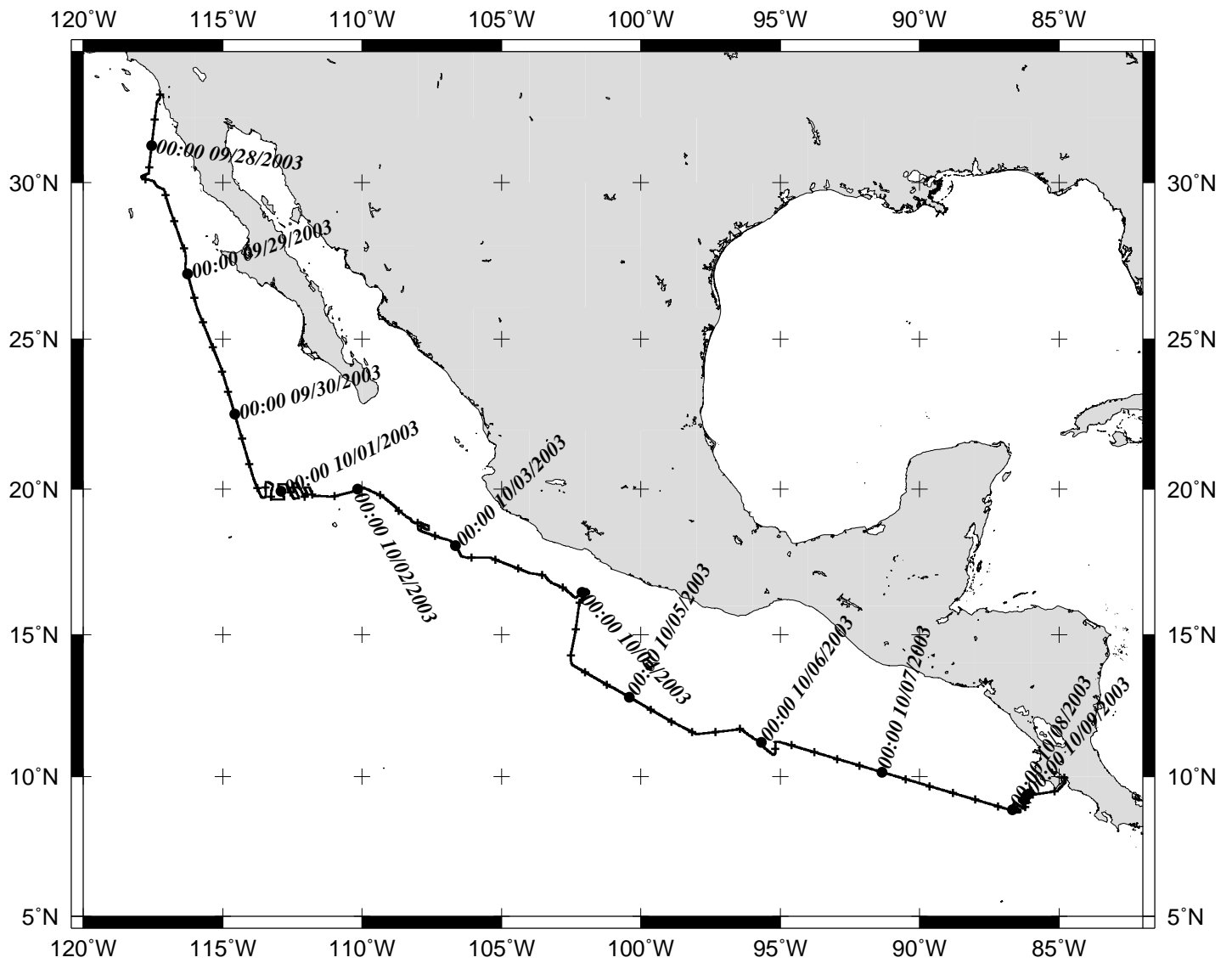
Bathymetry-3270 miles

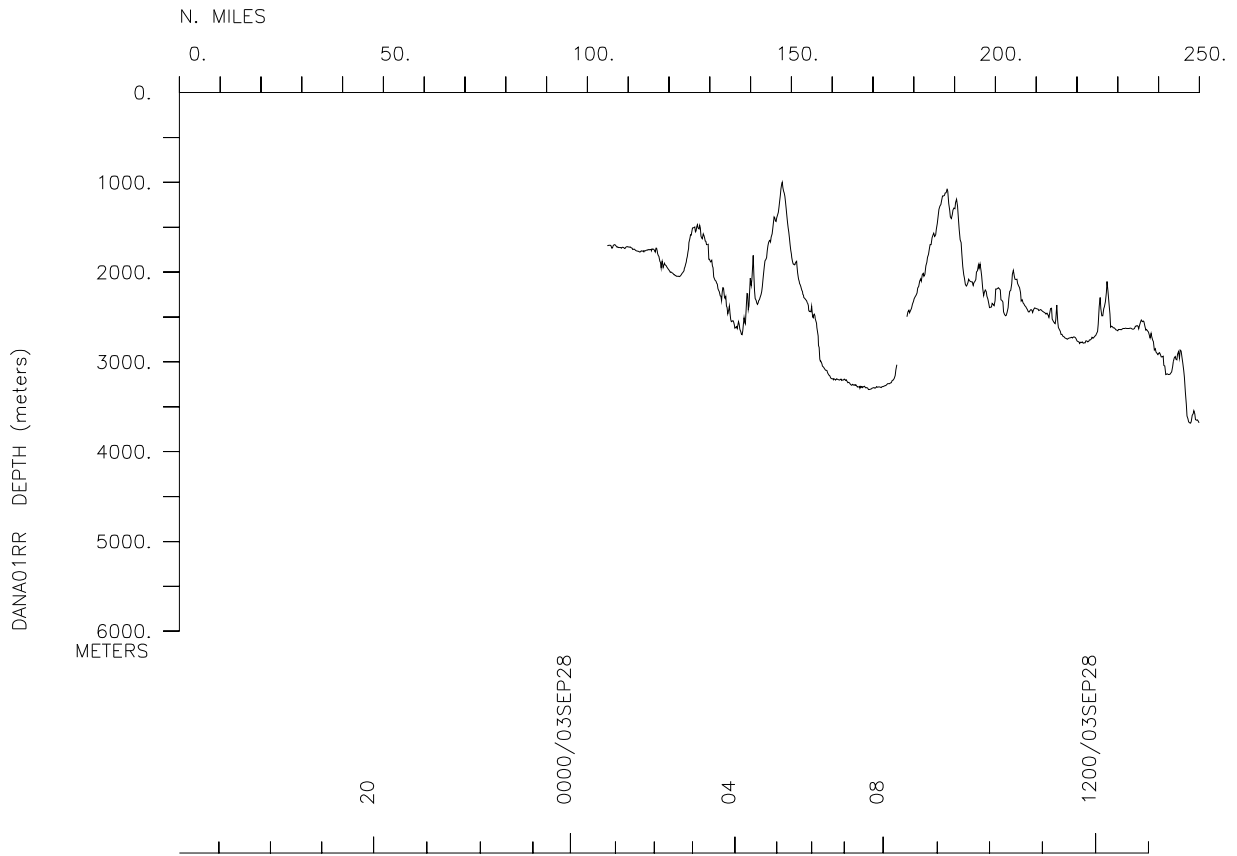
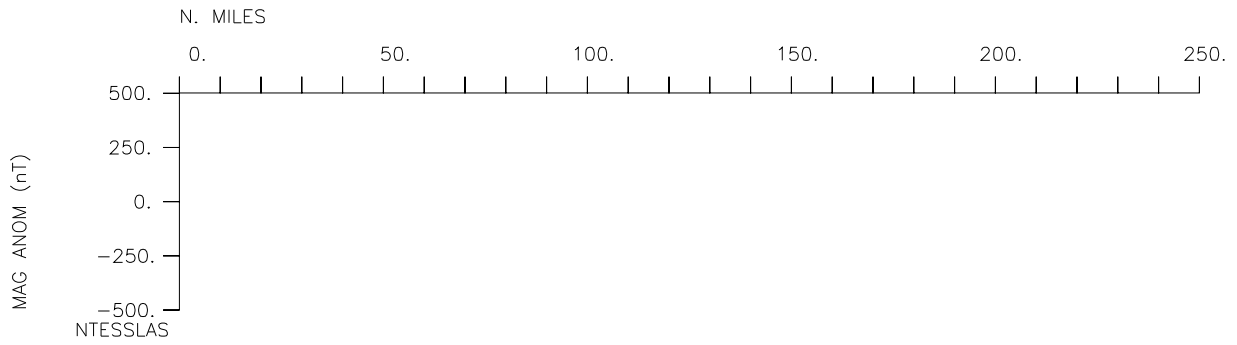
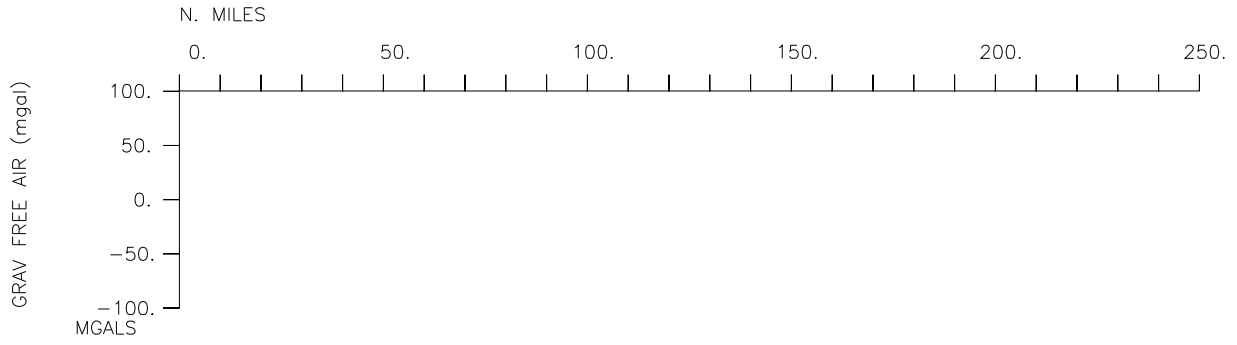
Seismic Reflection-none collected

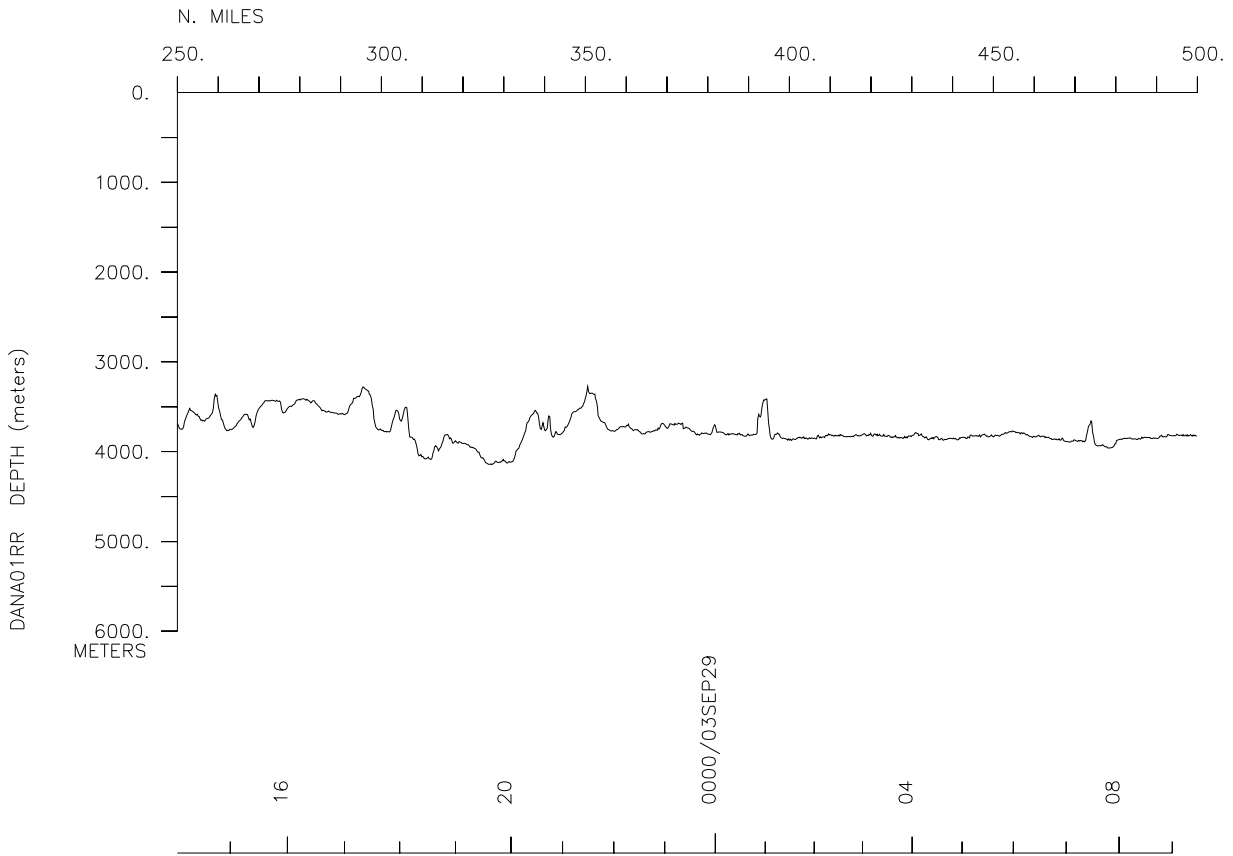
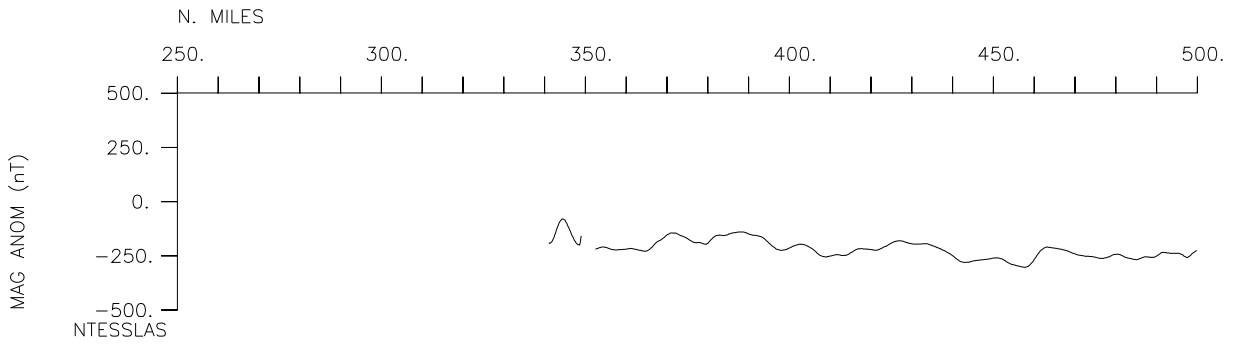
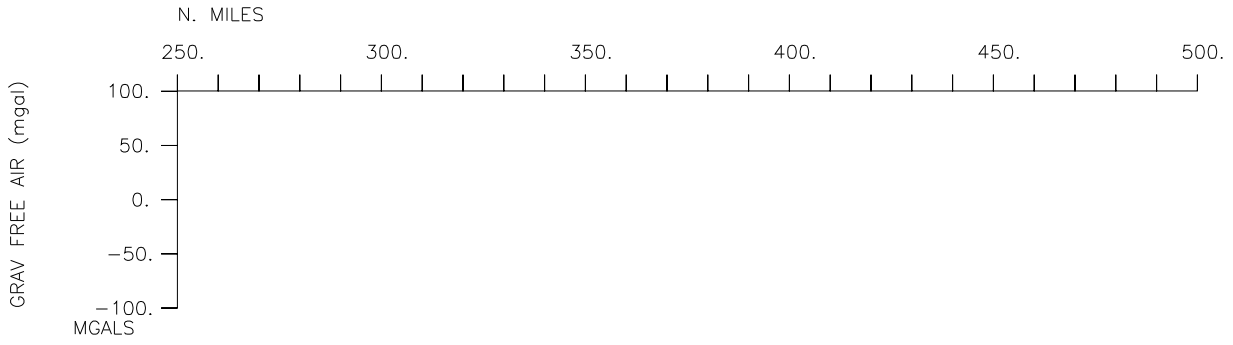
Multibeam-3270 miles

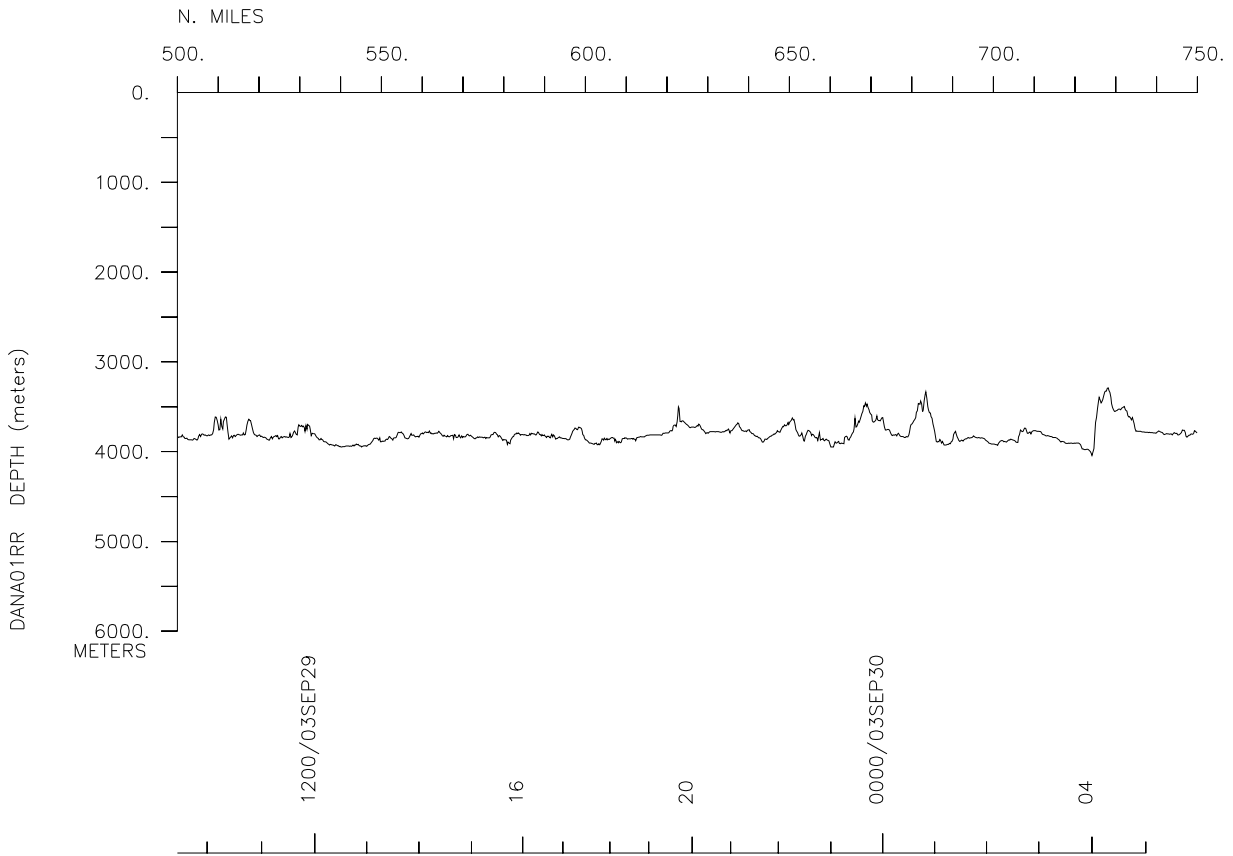
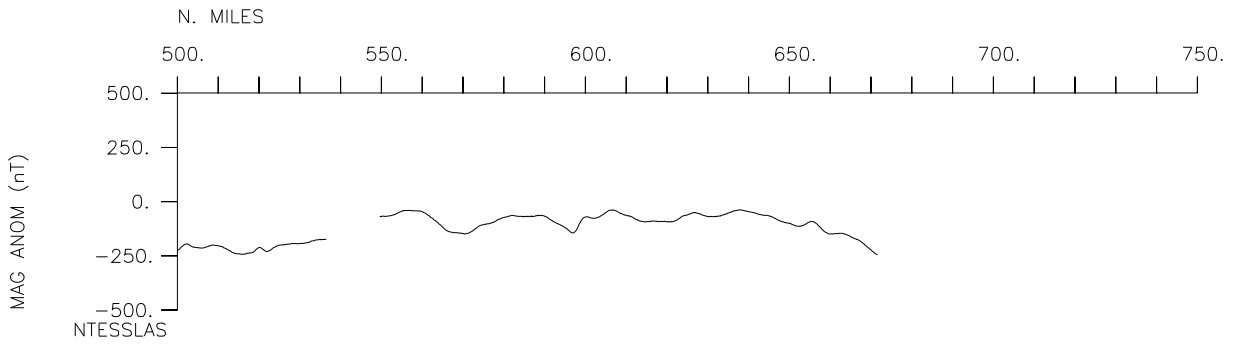
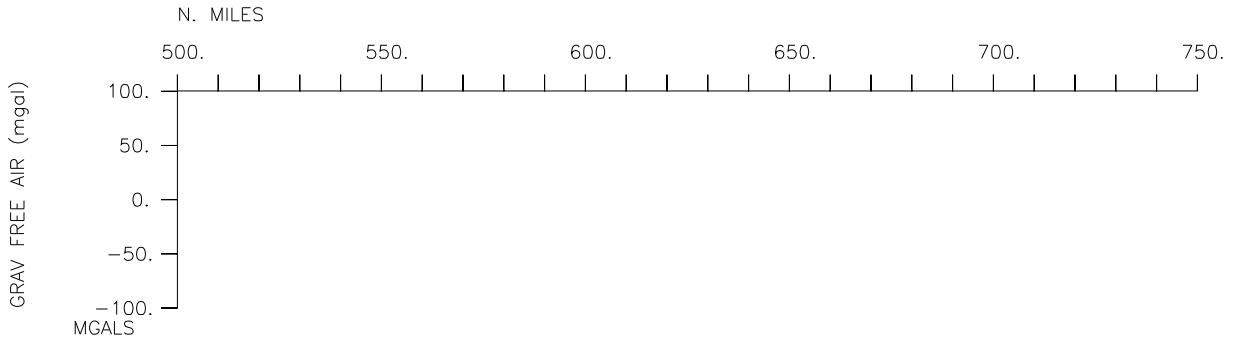
Gravity-2304 miles

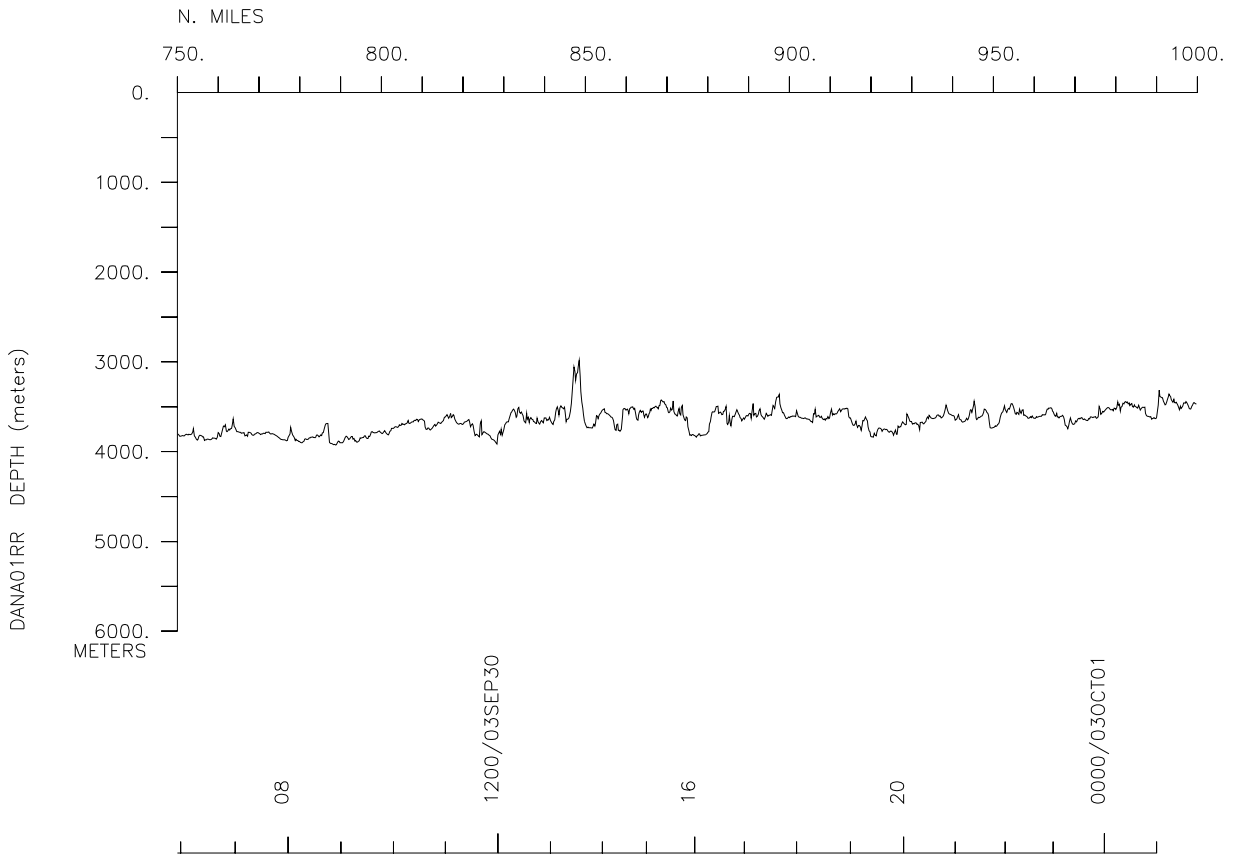
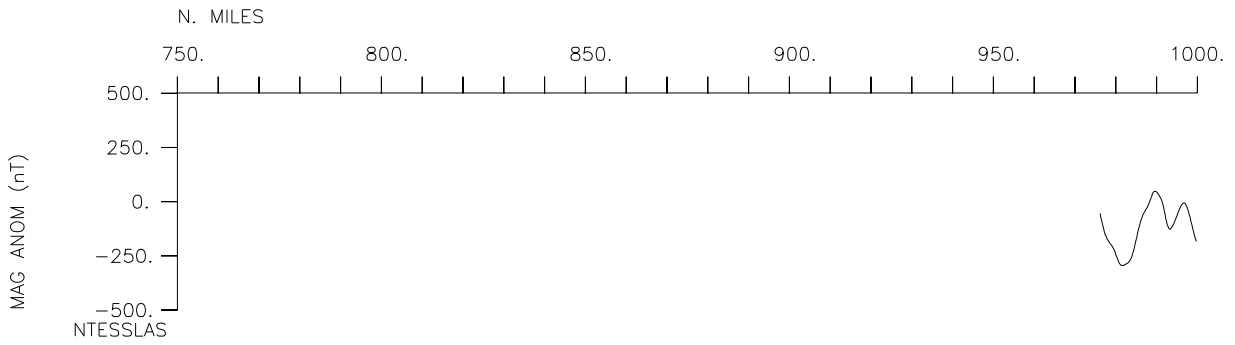
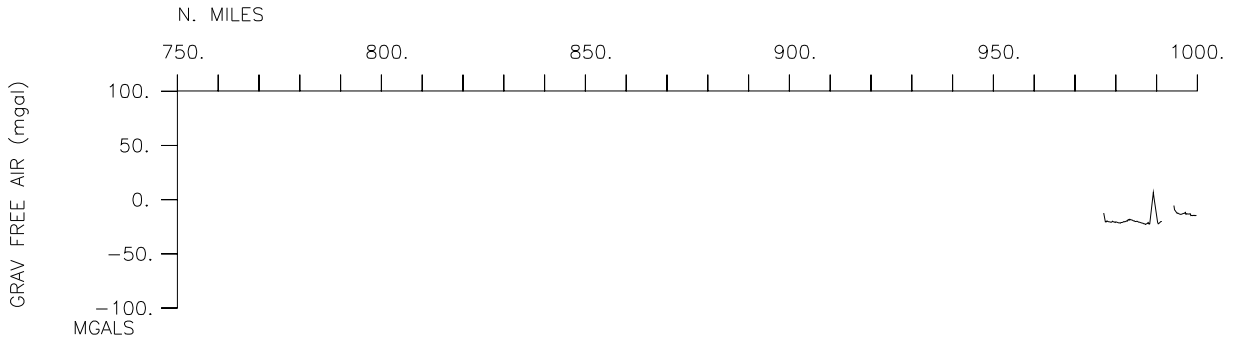
DANA01RR

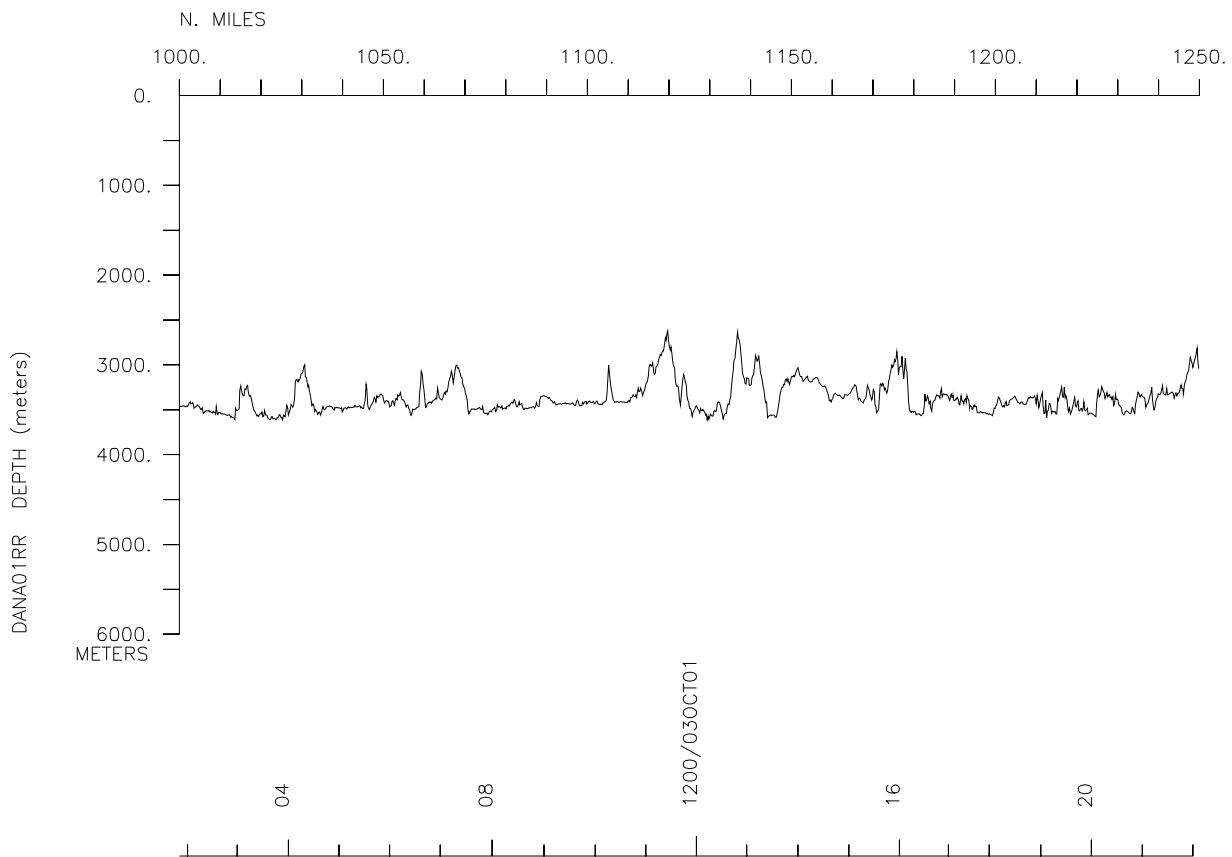
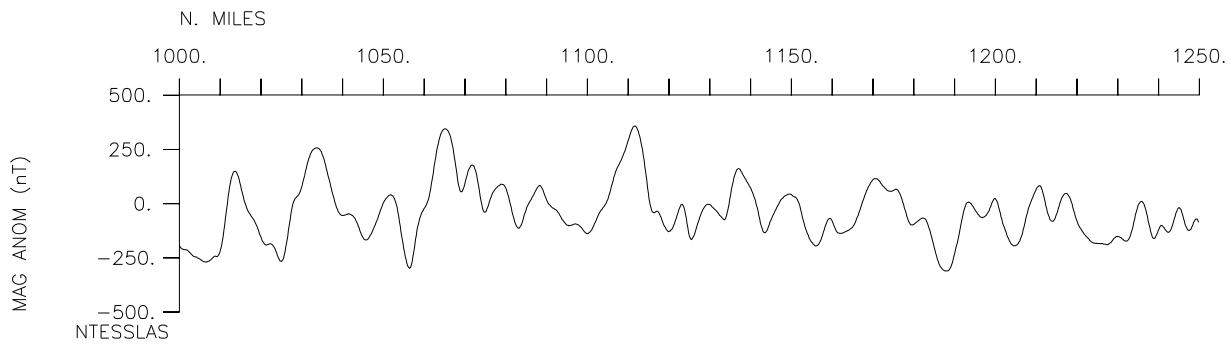
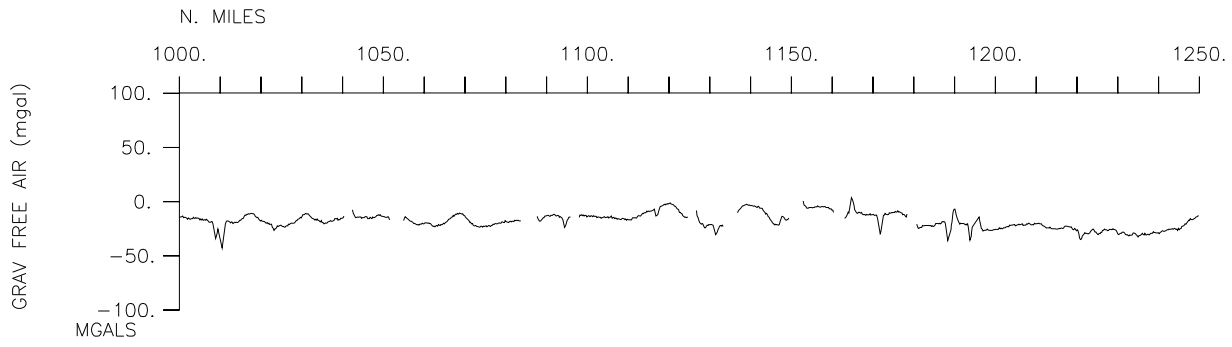


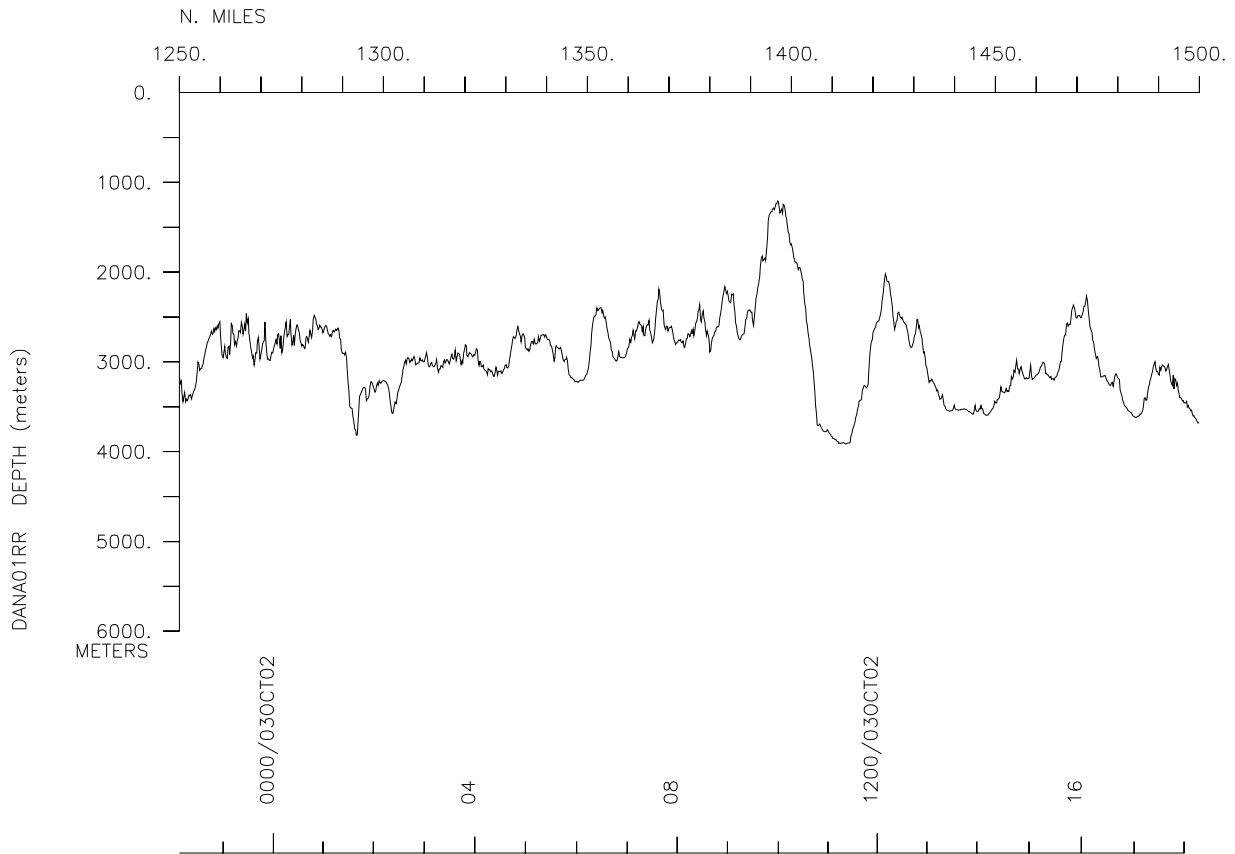
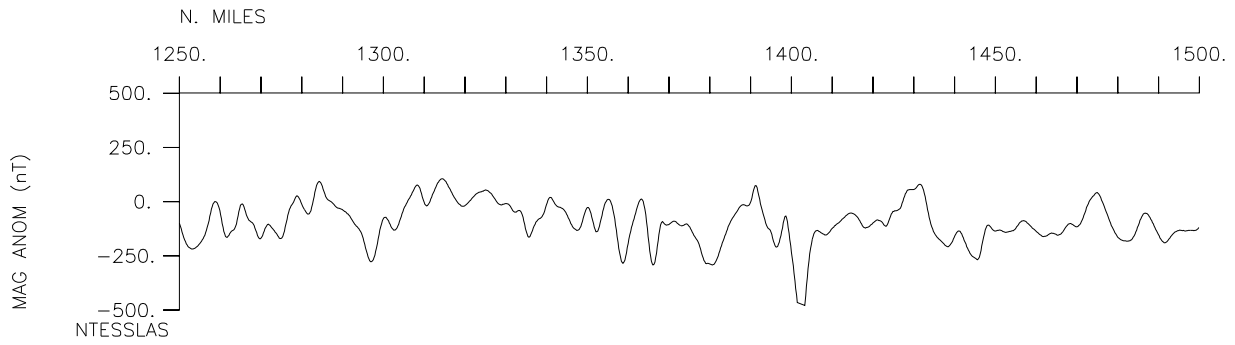
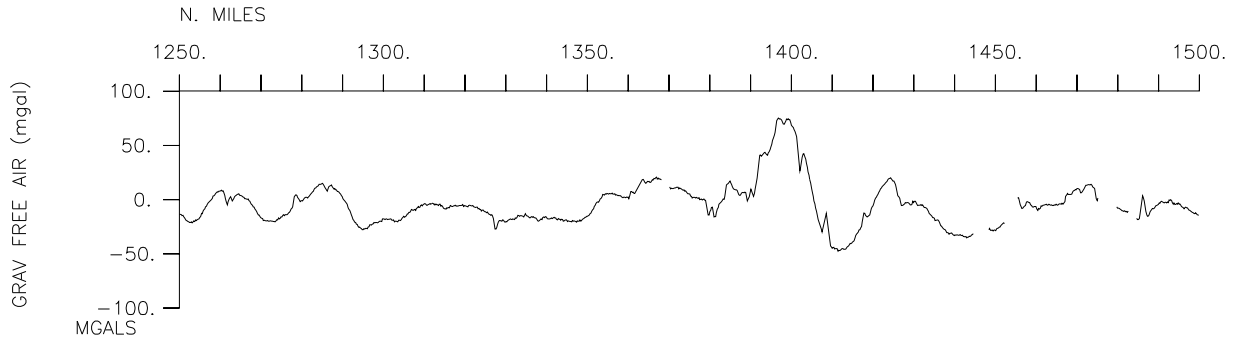


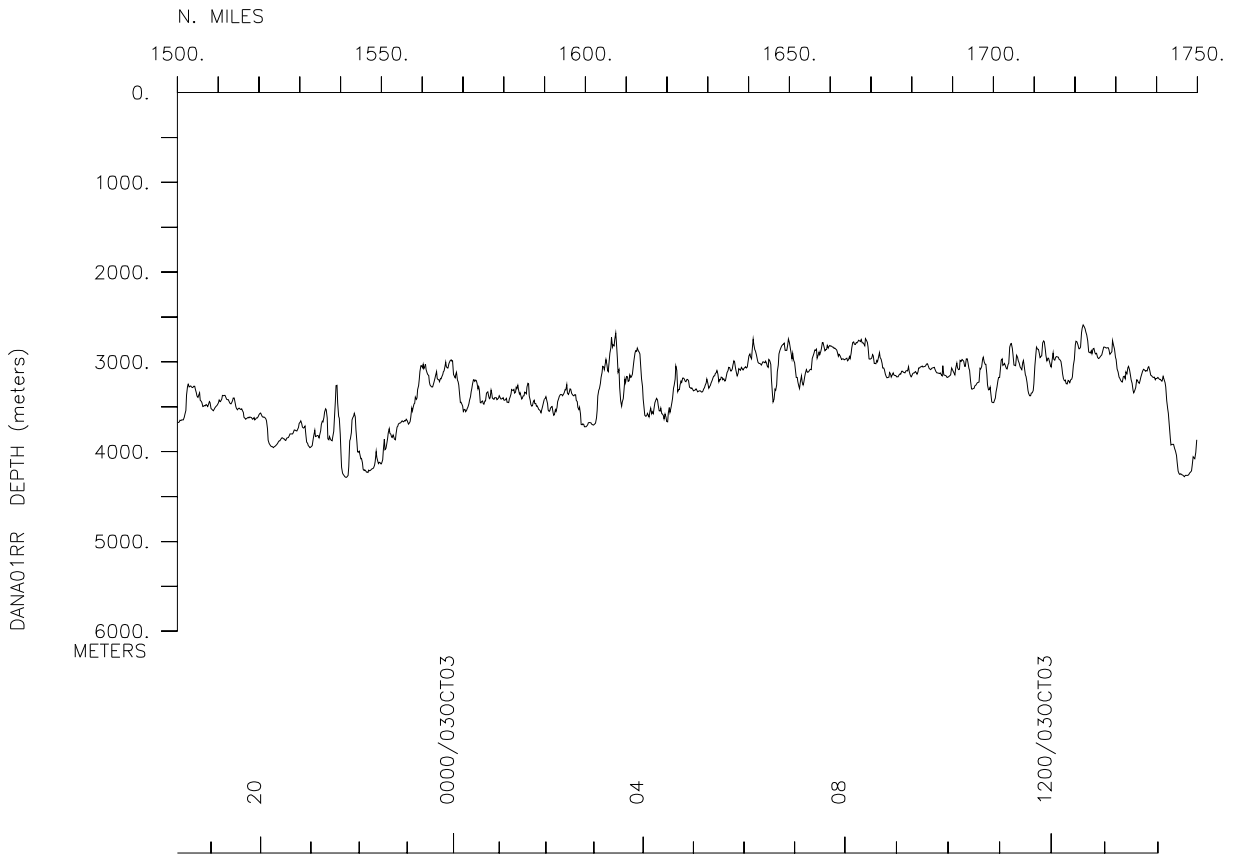
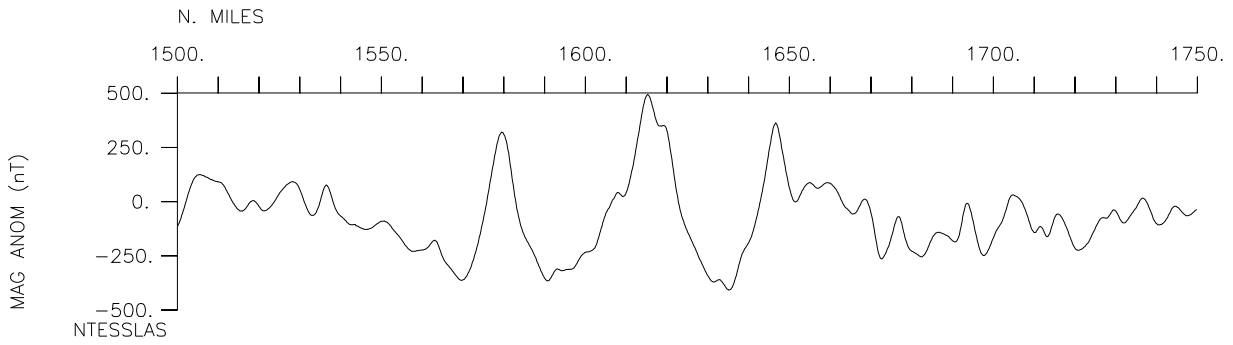
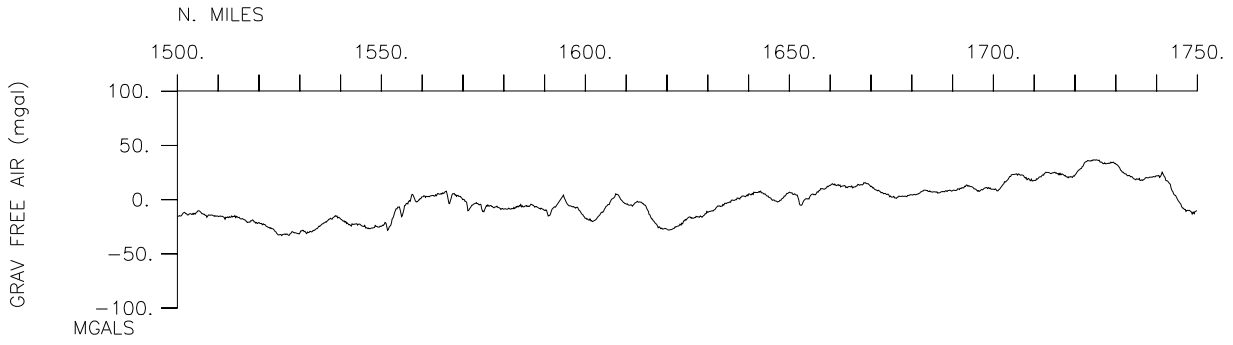


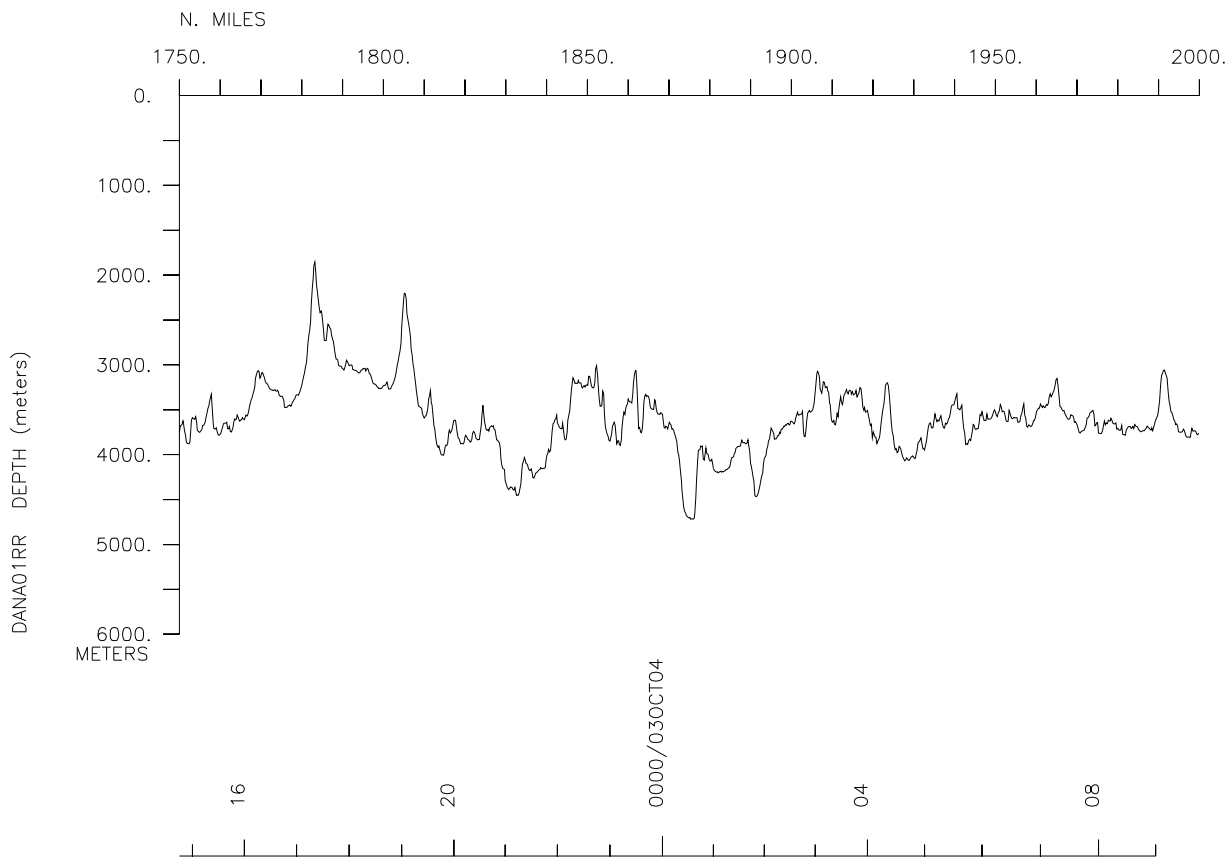
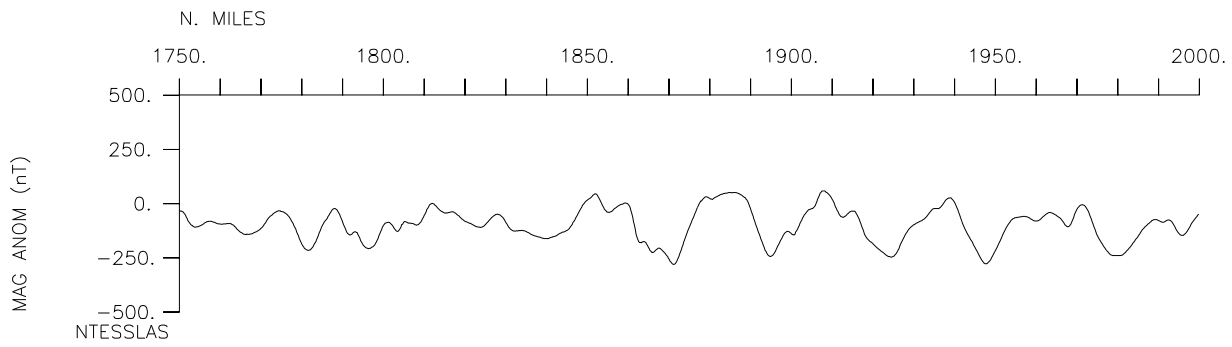
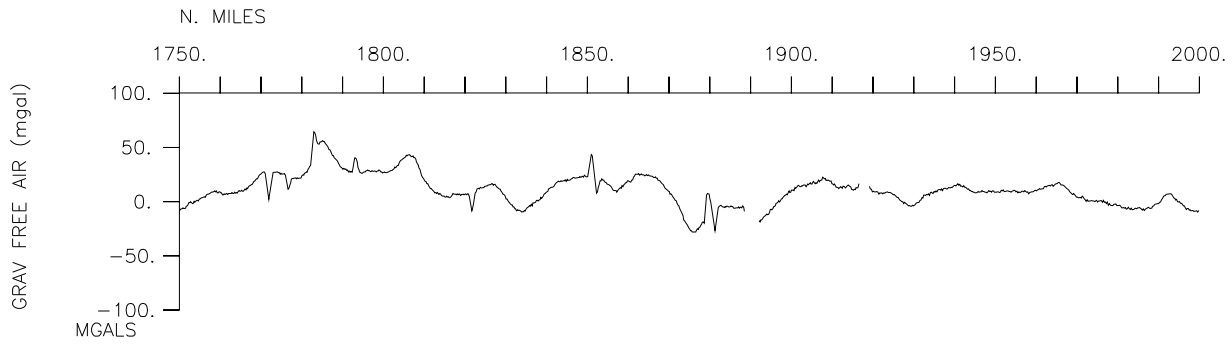


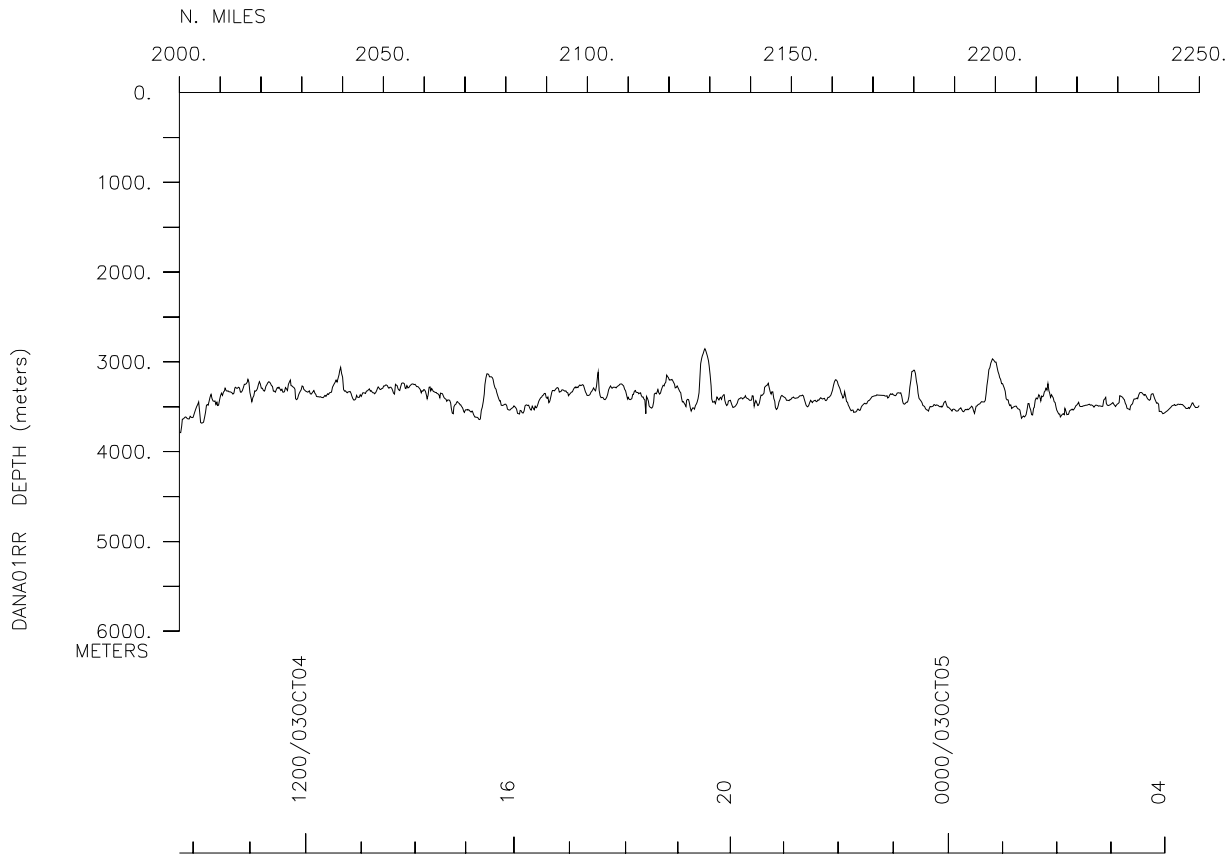
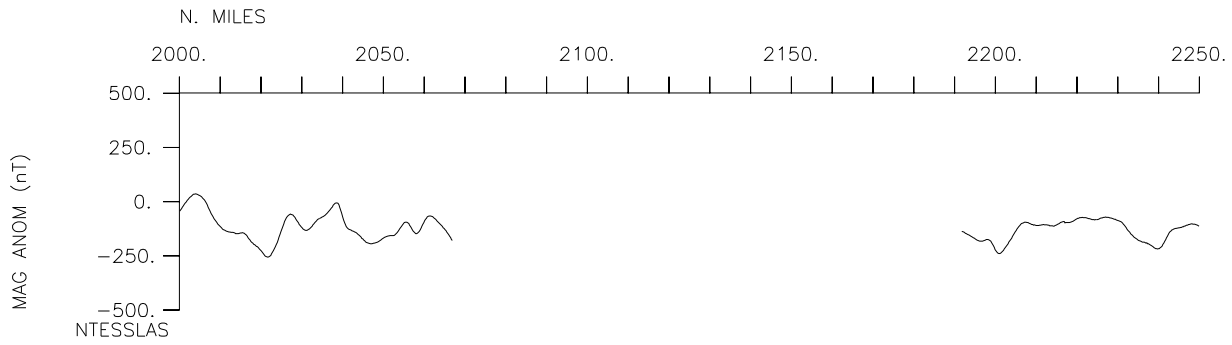
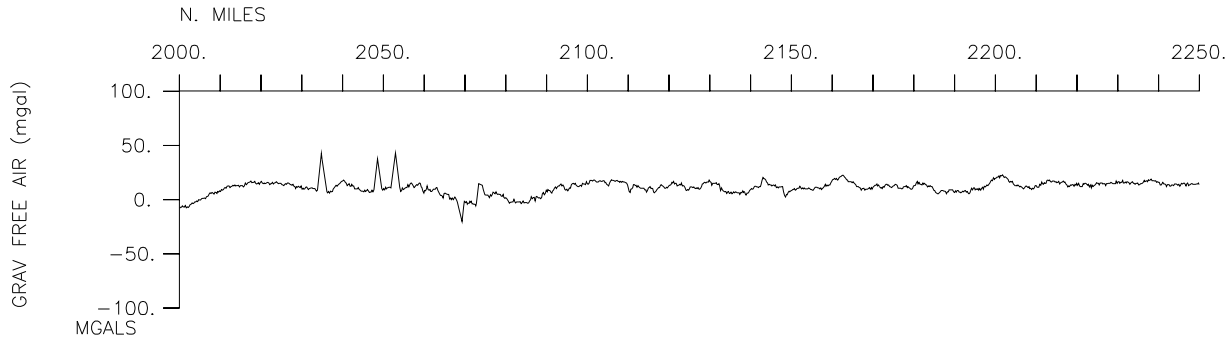


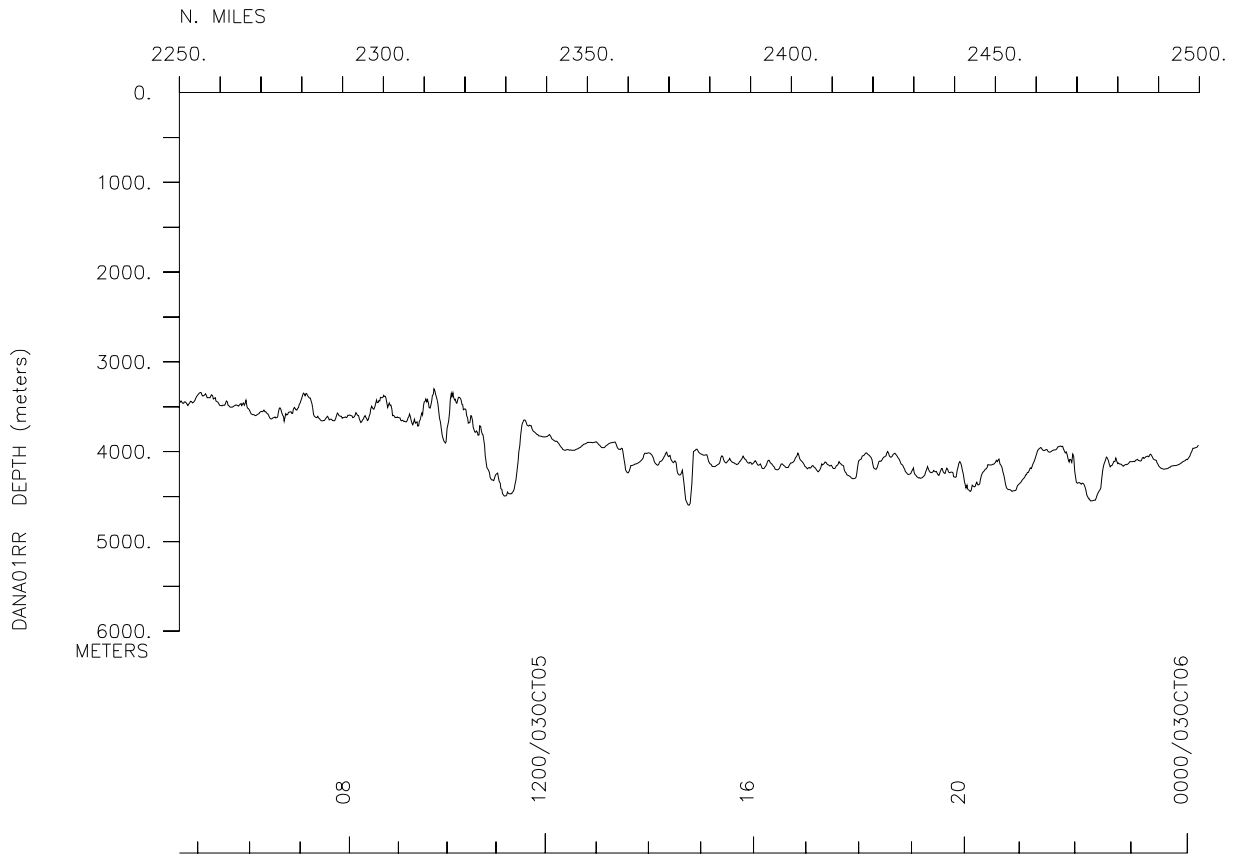
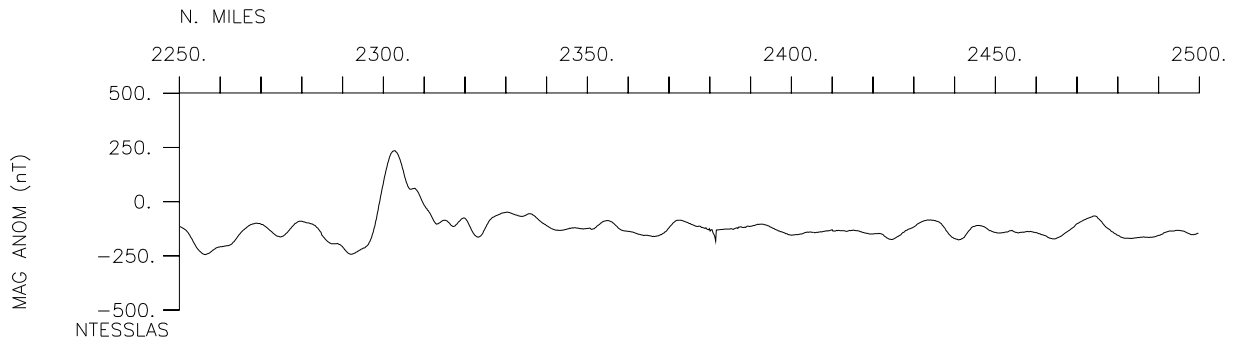
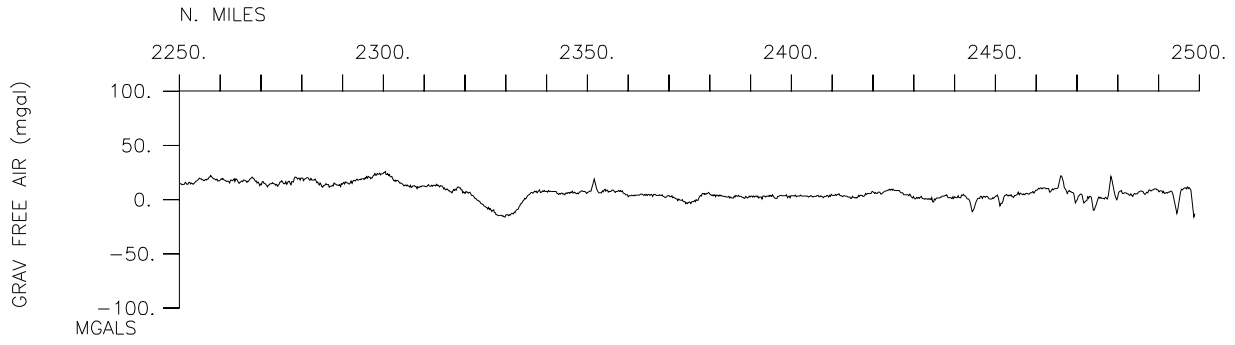


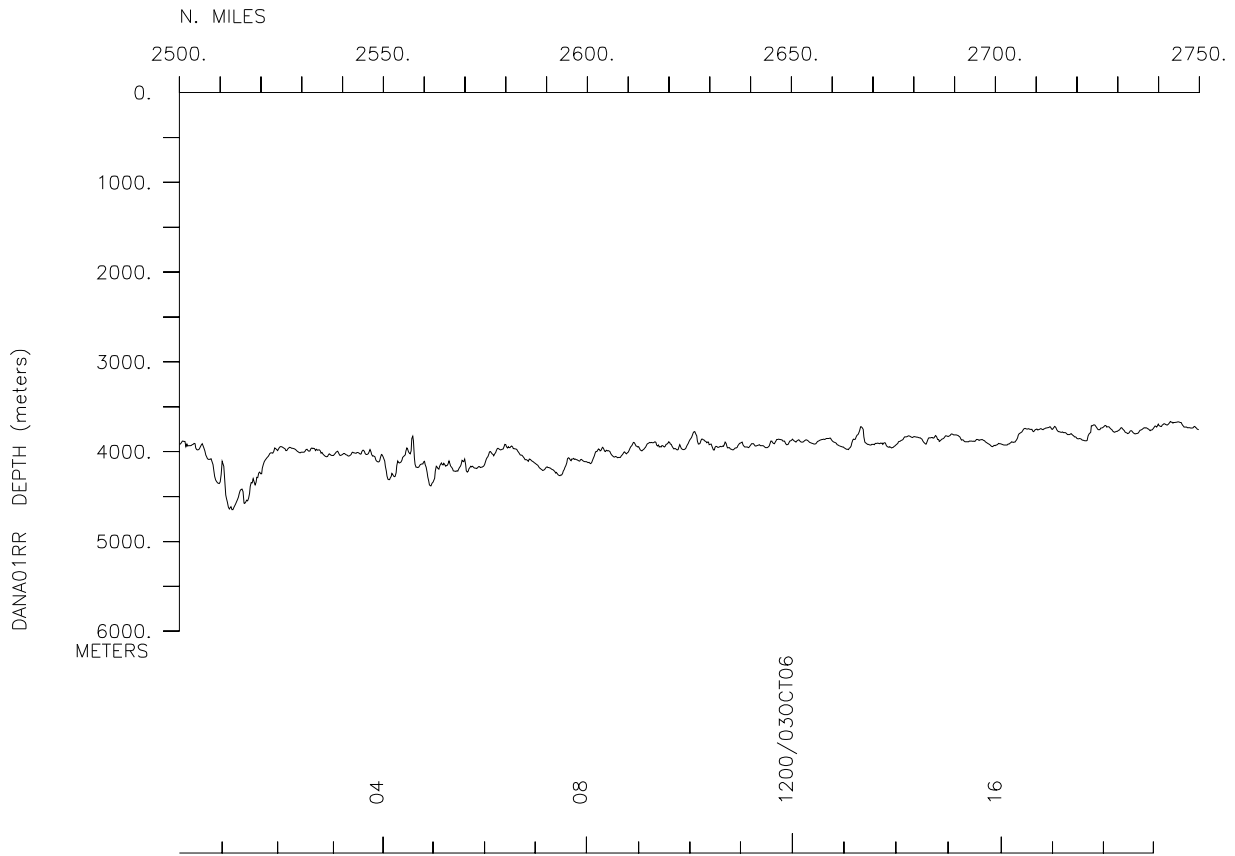
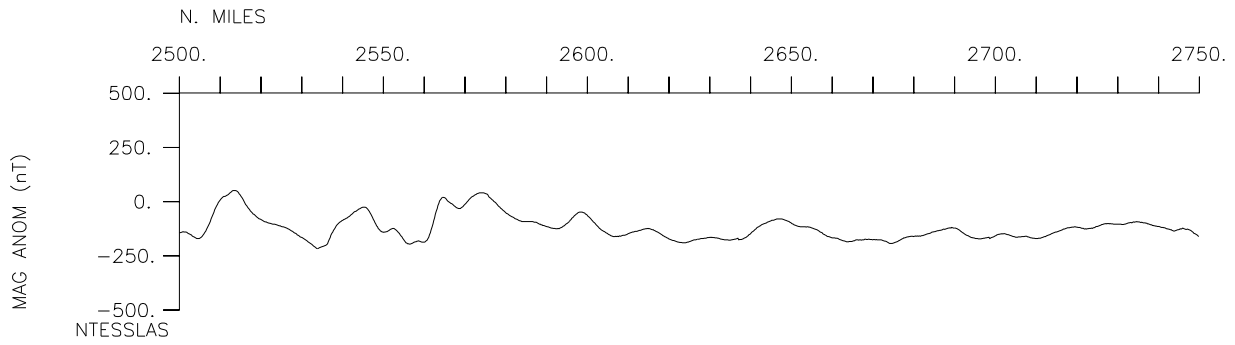
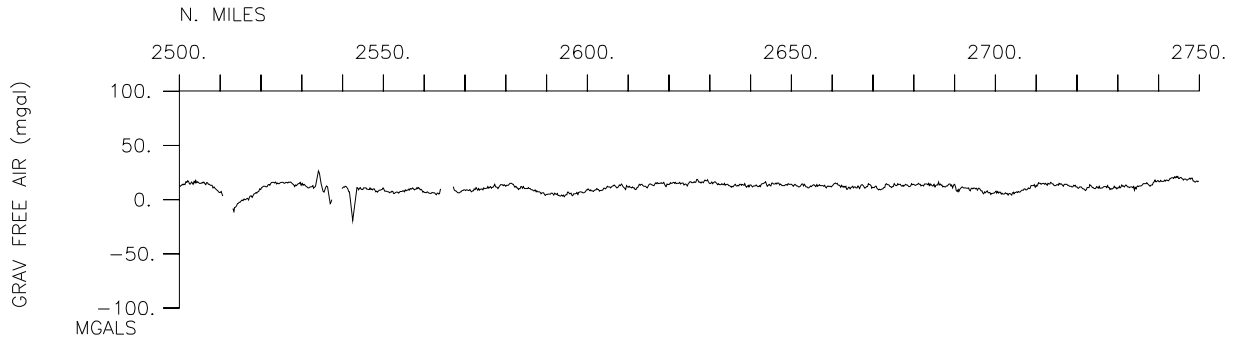


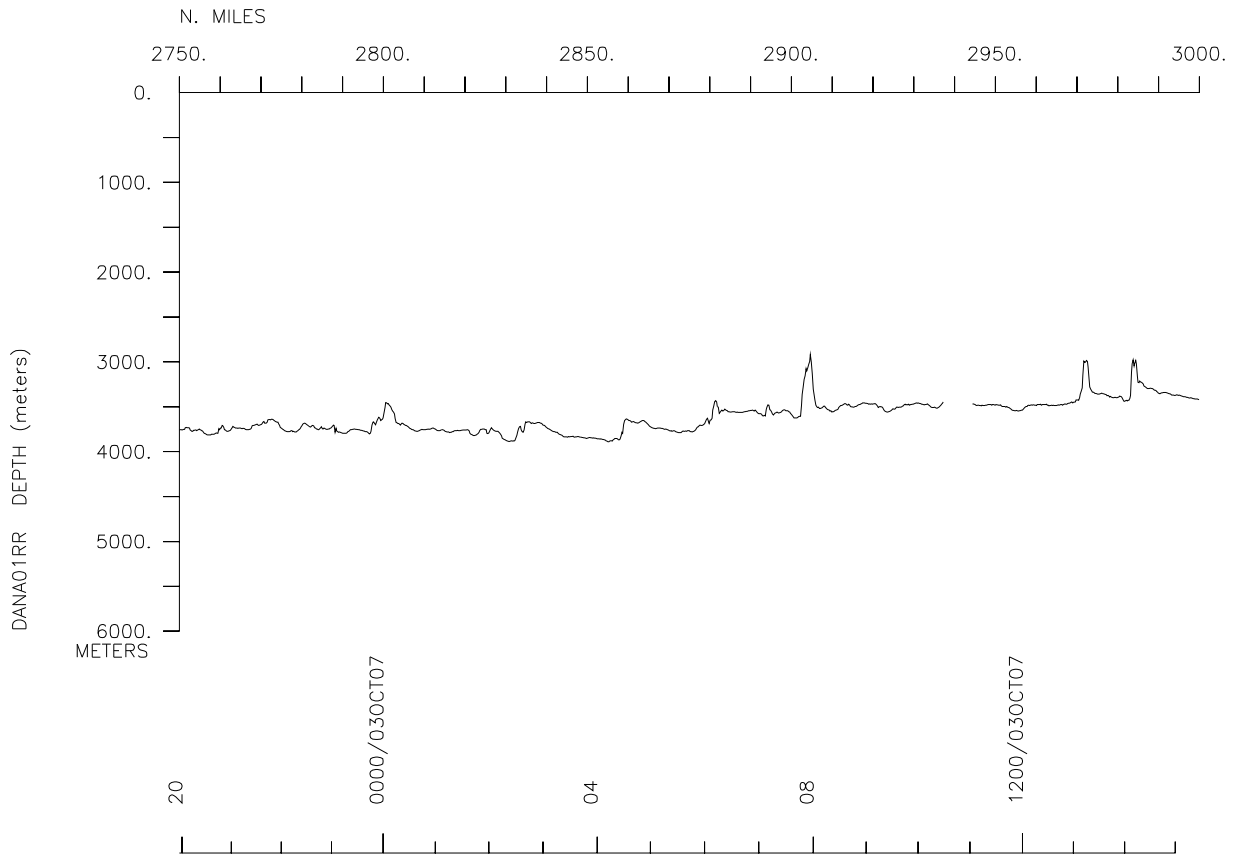
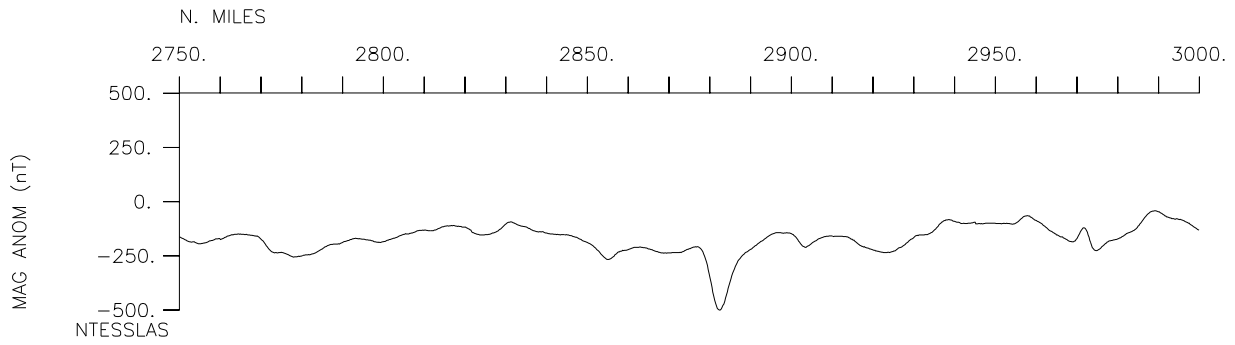
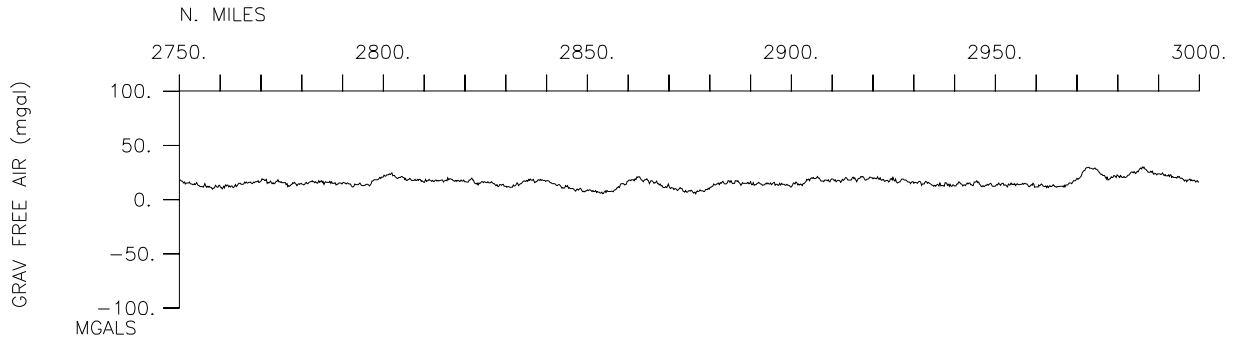


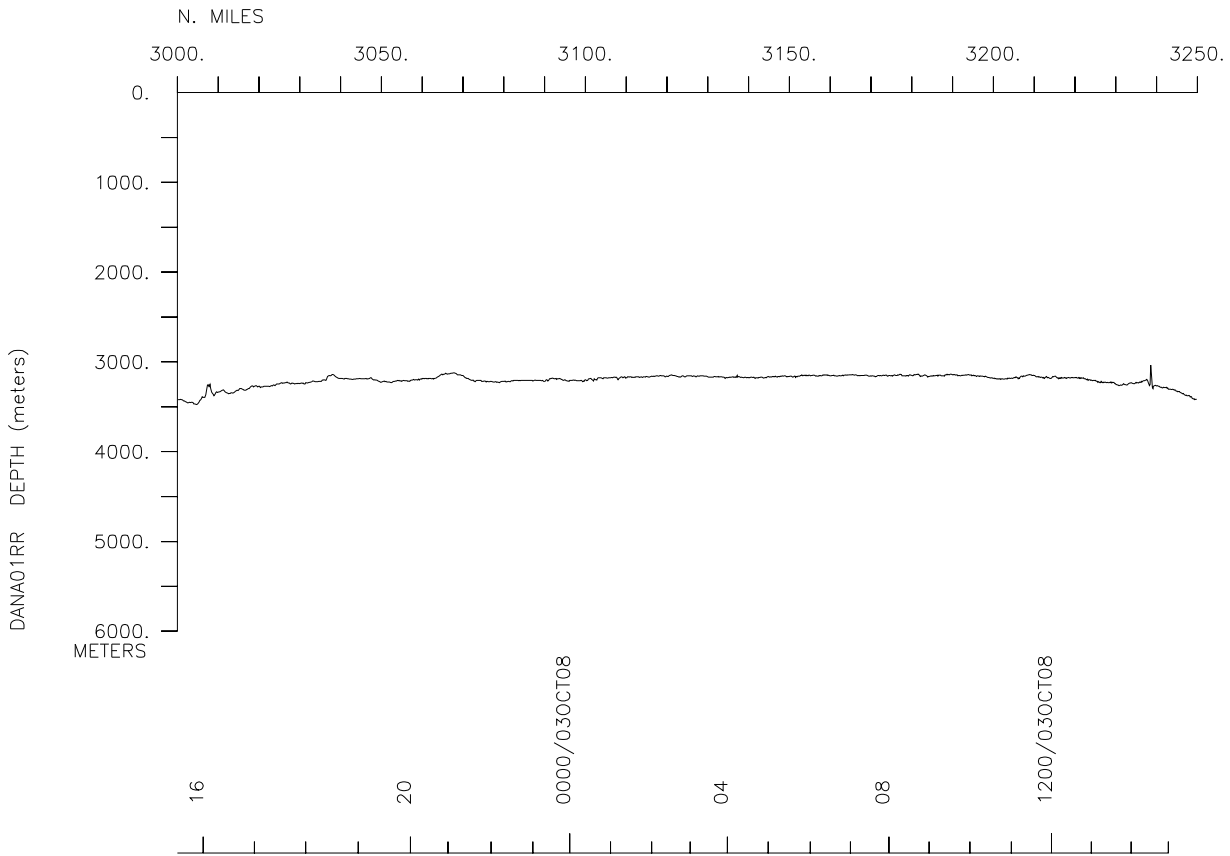
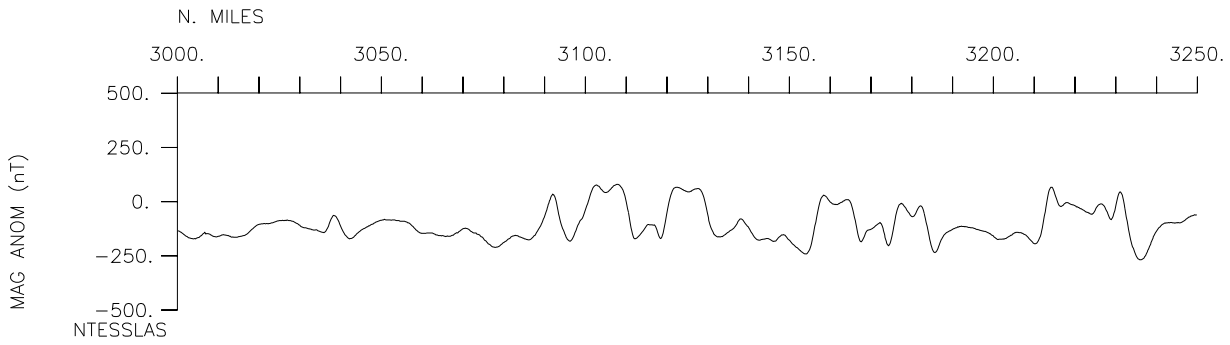
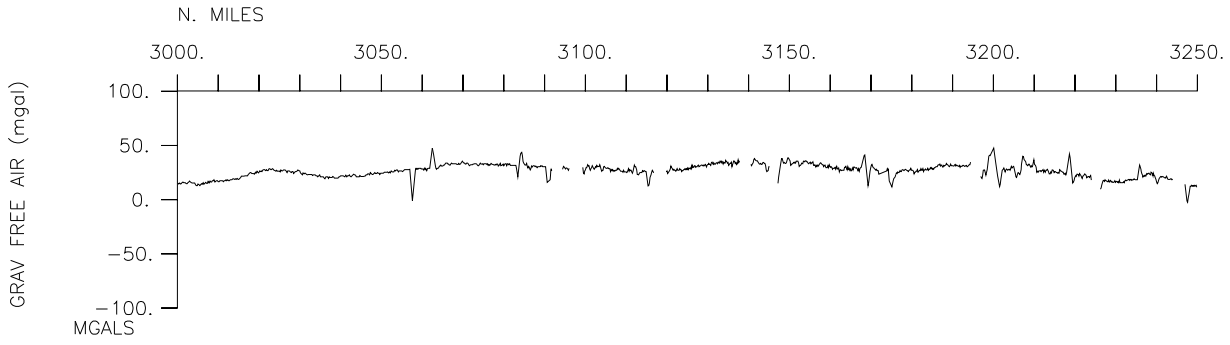


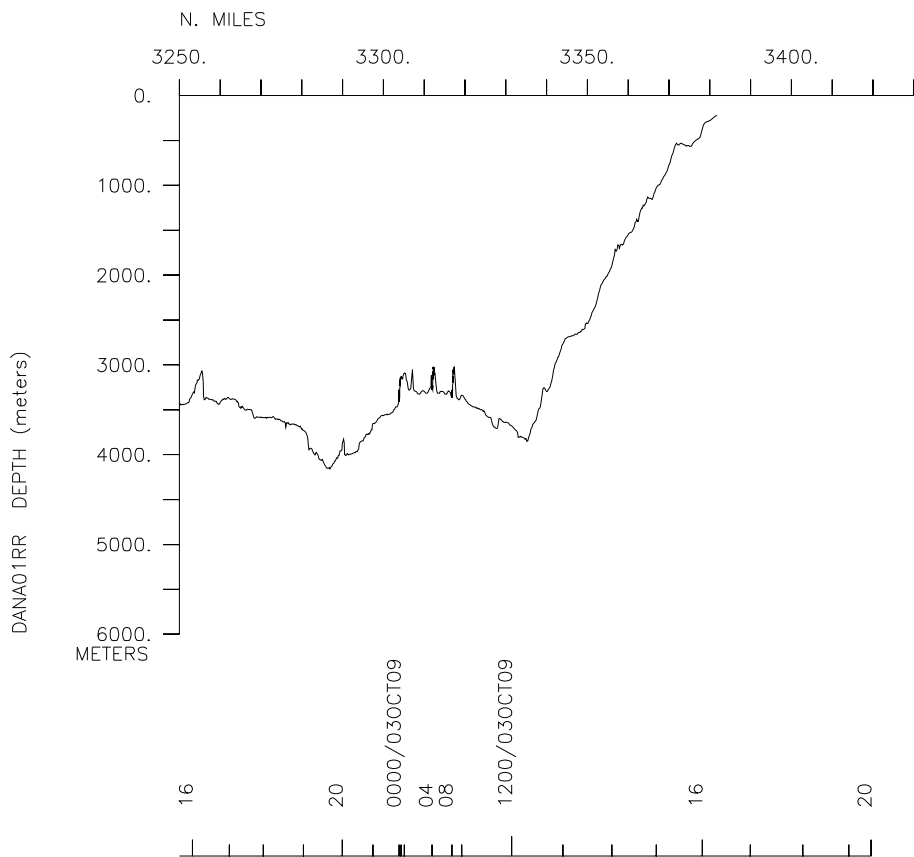
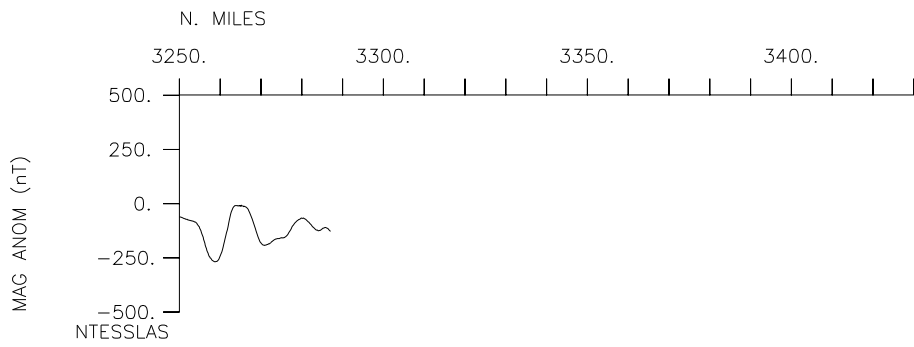
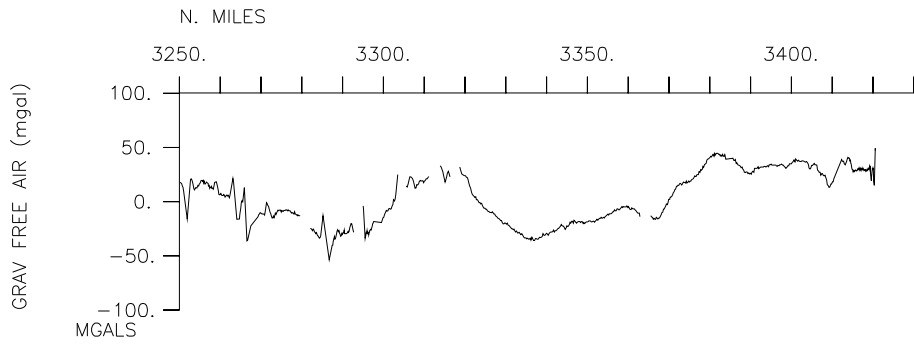












**** Ports ***

1545 270903 LGPT B San Diego, Calif. 32-40.00N 117-14.00W f DANA01RR
 2036 091003 LGPT E Puntarenas, Costa Rica 09-53.00N 84-45.00W f DANA01RR

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS MPL	Lonsdale,P.	Chief Scientist	Scripps Institution	DANA01RR
PECS IGPP	Castillo,P.	Scientist	Scripps Institution	DANA01RR
PESP SIO	Rigby,S.	Researcher	Scripps Institution	DANA01RR
PERT STS	Pillard,G.	Resident tech	Scripps Institution	DANA01RR
PECT STS	French,B.	Computer tech	Scripps Institution	DANA01RR
PEOB SIO	Morse,L.	Observer	NOAA Contractor	DANA01RR
PEAT STS	Ellett,L.	Airgun tech	Scripps Institution	DANA01RR
PEOB MEX	Bracanontes,O.	Observer	Mexican Navy	DANA01RR
PESP STS	Sutherland,W.	Technician	Scripps Institution	DANA01RR
PEOB SIO	Kondor,J.	Observer	NOAA Contractor	DANA01RR
PESP SIO	Clark,P.	Technician	Scripps Institution	DANA01RR
PESP UCSD	Chase,A.	Technician	U. C. San Diego	DANA01RR
PEOB SIO	Nagaoka,S.	Observer	JAMSTEC	DANA01RR
PEOB MEX	Vasquez,L.	Observer	MEXICO	DANA01RR
PESP SIO	Mocerri,J.	Technician	Scripps Institution	DANA01RR

**** 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 ***

1745 270903 0 LBSC B Underway log book STS 32-24.92N 117-22.09W g DANA01RR
 1620 091003 0 LBSC E Underway log book STS 9-28.70N 85-06.02W g DANA01RR

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

1745 270903 0 MBSI B SIMRAD Multibeam GDC 32-24.92N 117-22.09W g DANA01RR
 1620 091003 0 MBSI E Surveys GDC 9-28.70N 85-06.02W g DANA01RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	--	----	-	-----	-----	-----	-----	-----	-	-----
#*** Echo Sounder Records ***										
1545	270903	0	DPR3	B Digital 3.5kHz	GDC	32-42.01N	117-14.08W	g		DANA01RR
2036	091003	0	DPR3	E Digital 3.5kHz	GDC	9-58.26N	84-49.85W	g		DANA01RR
#*** Seismic Seismic Surveys ***										
0023	280903	0	SPRS	B Seismic survey	GRD	31-04.42N	117-33.29W	g		DANA01RR
0653	280903	0	SPRS	E DANA02-01	GRD	30-11.72N	117-54.08W	g		DANA01RR
1847	290903	0	SPRS	B Seismic survey	GRD	23-28.48N	114-52.01W	g		DANA01RR
2048	290903	0	SPRS	E DANA02-02	GRD	23-08.30N	114-45.63W	g		DANA01RR
2052	071003	0	SPRS	B Seismic survey	GRD	8-53.87N	87-03.60W	g		DANA01RR
2019	081003	0	SPRS	E DANA02-03	GRD	9-27.30N	86-00.72W	g		DANA01RR
#*** Digital Magnetics (Earth Total Field) ***										
2126	280903	0	MGDD	B Seaspy Gradiometer	GDC	27-37.99N	116-19.42W	g		DANA01RR
1950	081003	0	MGDD	E Seaspy Gradiometer	GDC	9-30.47N	86-03.56W	g		DANA01RR
#*** Digital Gravity ***										
1545	270903	0	GVDD	B Digital Gravity	GDC	32-42.01N	117-14.08W	g		DANA01RR
2036	091003	0	GVDD	E Digital Gravity	GDC	9-58.26N	84-49.85W	g		DANA01RR
#*** Integrated Meteorological Acquisition System ***										
1545	270903	0	IMET	B Weather measurements	GDC	32-42.01N	117-14.08W	g		DANA01RR
2036	091003	0	IMET	E Weather measurements	GDC	9-58.26N	84-49.85W	g		DANA01RR
#*** Acoustic Doppler Current Profiler ***										
1545	270903	0	ADCP	B 300kHz current meas.	GDC	32-42.01N	117-14.08W	g		DANA01RR
2036	091003	0	ADCP	E 300kHz current meas.	GDC	9-58.26N	84-49.85W	g		DANA01RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	--	---	-	-----	----	-----	-----	-----	-	-----
#*** Rock Dredges ***										
2333	081003	0	DRRO	B Rock dredge 01	GRD	9-20.75N	86-08.59W	g		DANA01RR
0039	091003	0	DRRO	E Rock dredge 01 3120M	GRD	9-20.93N	86-08.78W	g		DANA01RR
0413	091003	0	DRRO	B Rock dredge 02 3211M	GRD	9-16.04N	86-13.81W	g		DANA01RR
0513	091003	0	DRRO	E Rock dredge 02 3006M	GRD	9-16.13N	86-13.92W	g		DANA01RR
0827	091003	0	DRRO	B Rock dredge 03 3318M	GRD	9-18.99N	86-10.69W	g		DANA01RR
0928	091003	0	DRRO	E Rock dredge 03 3071M	GRD	9-19.11N	86-10.83W	g		DANA01RR
#***										DANA01RR
End Sample Index										