

*Report and Index of
Underway Marine geophysical Data*

Laperouse Expedition

Leg 03

(LPRS03RR)

R/V Roger Revelle

(Issued Aug 2002)

Ports:

Newport, OR (31-Jul-02)

to

Newport, OR (19-Aug-02)

Chief Scientist: Jack Barth

OSU

barth@oce.orst.edu

Computer Tech - Bill French

Resident Tech - Tammy Biaz

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 rereduced or distributed outside Scrips without prior approval of the chief scientist or Shipboard Technical Support, Scripps Institution of Oceanography, La Jolla, California 92093-0223*

STS Cruise ID#

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.)

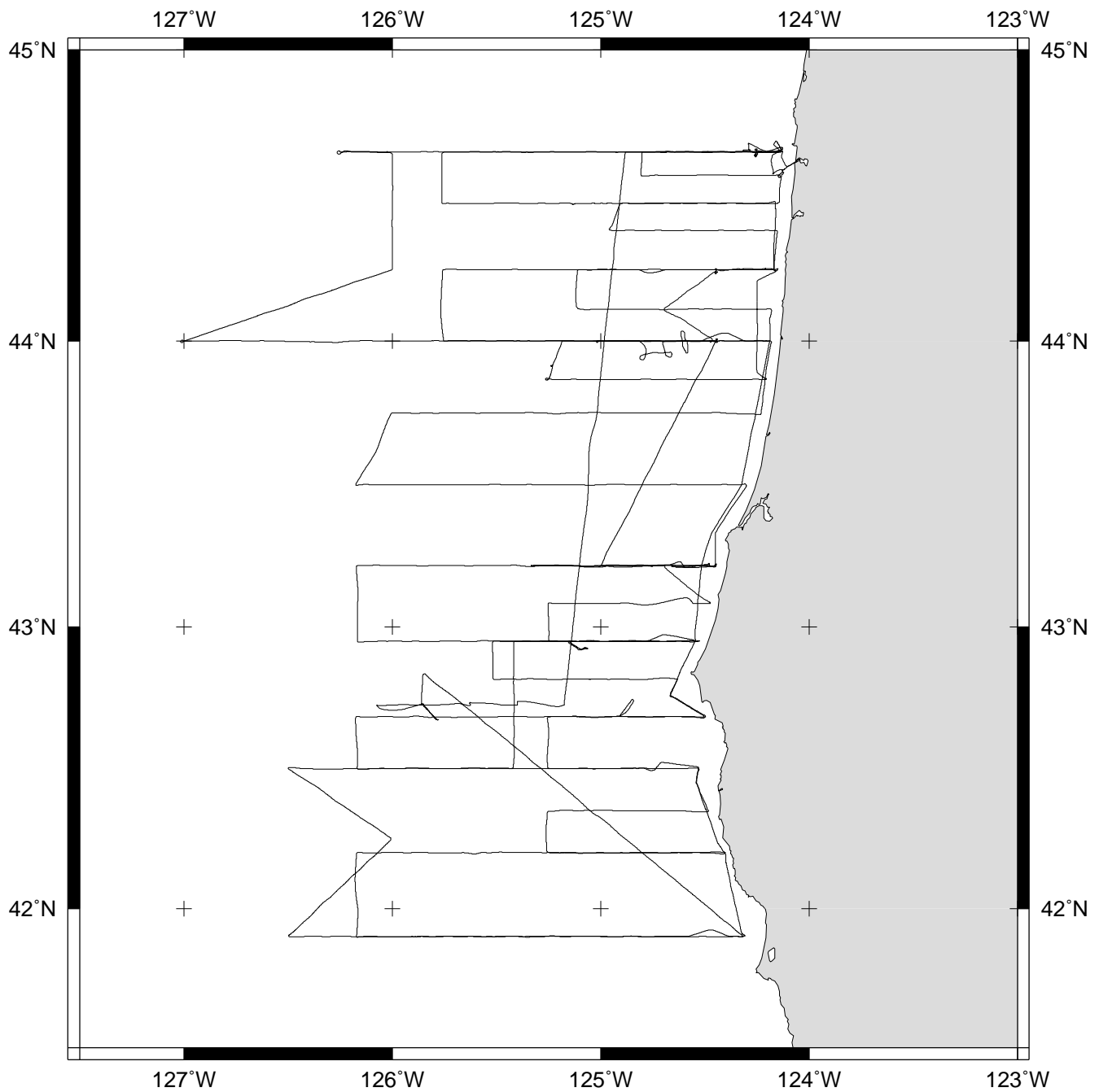
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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



LAPEROSUE EXPEDITION LEG 3 (LPRS03RR)

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CHIEF SCIENTIST: Jack Barth, Oregon State University

PORTS: Newport - Newport, Oregon

DATES: 31 July - 19 August 2002

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-3141 miles

Magnetics-none collected

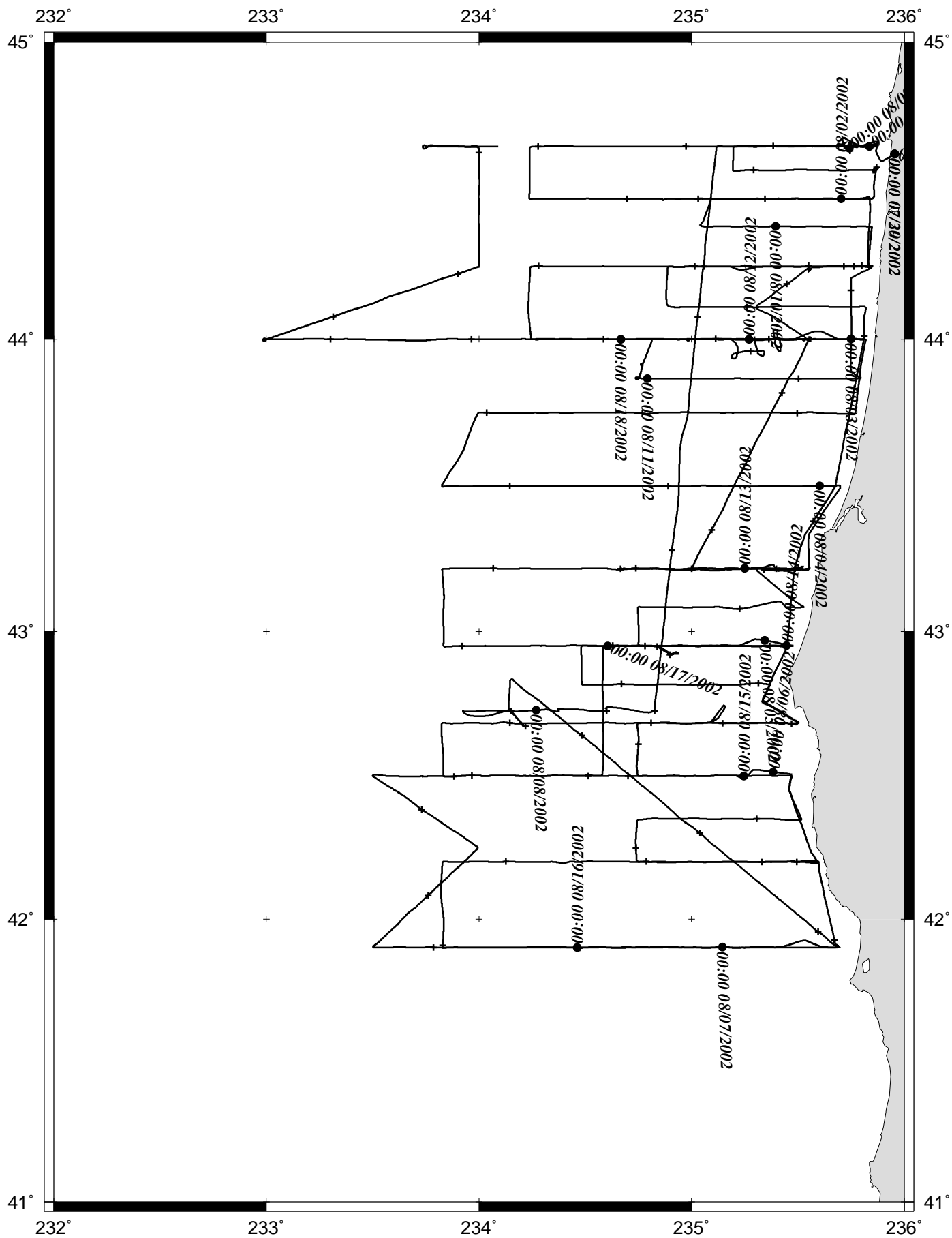
Bathymetry-1789 miles

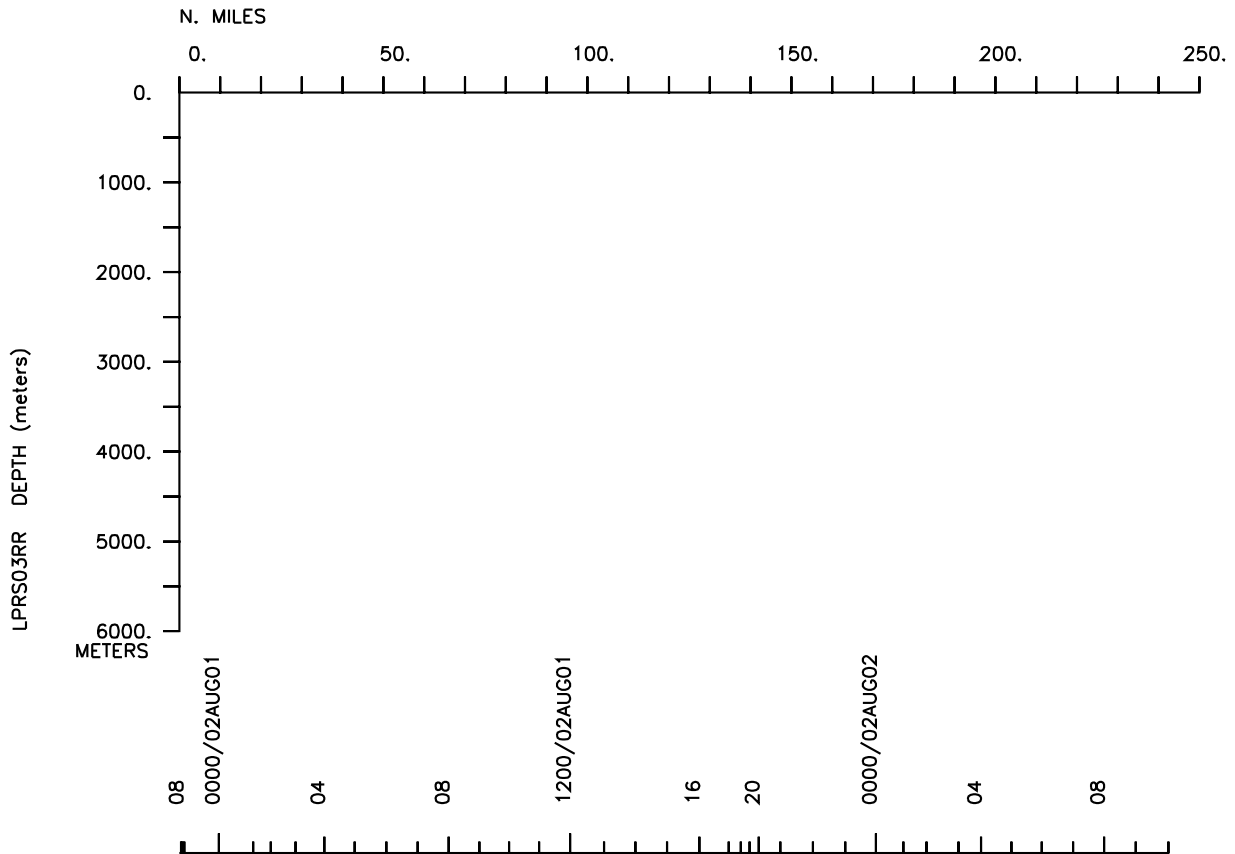
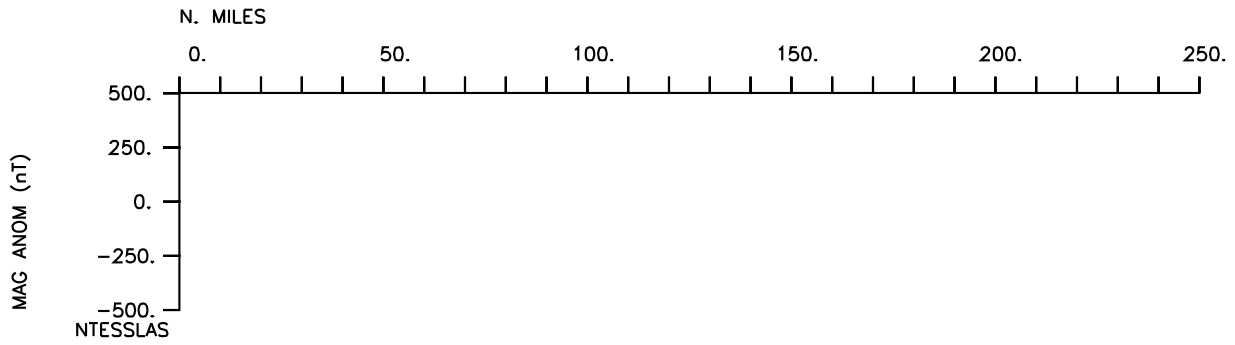
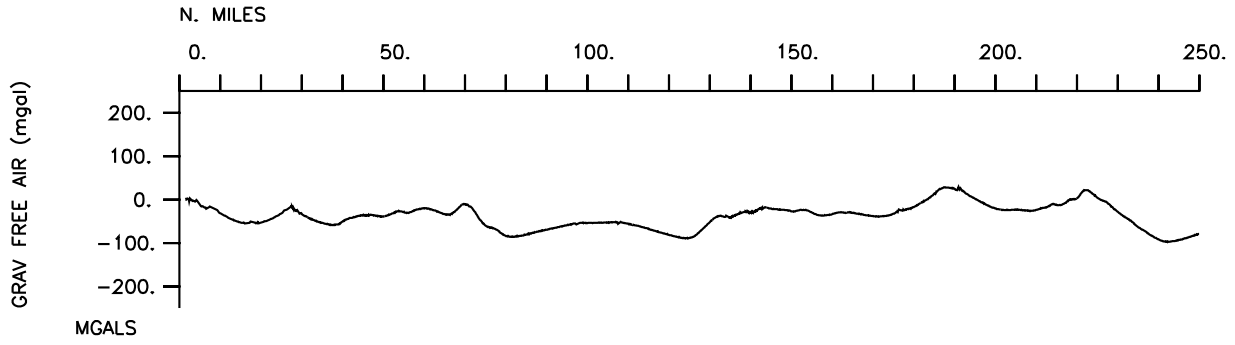
Seismic Reflection-none collected

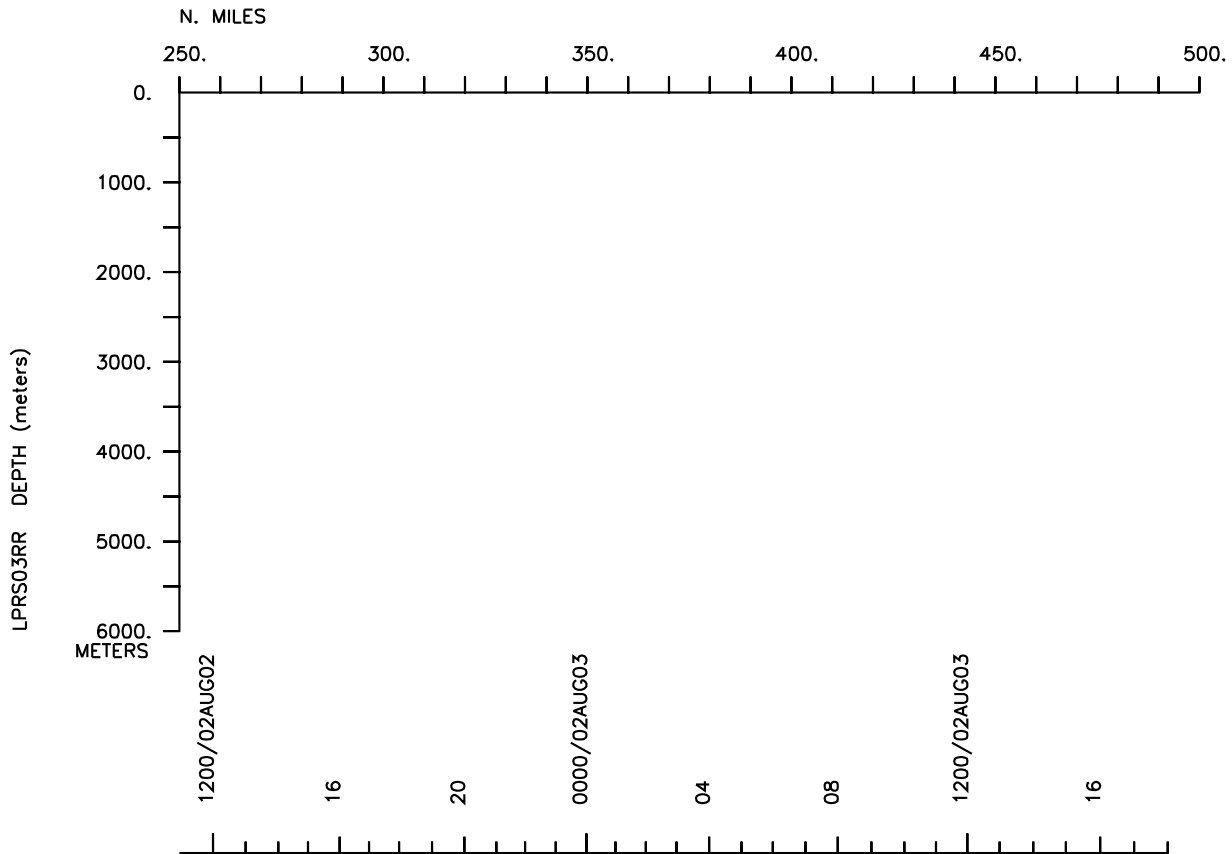
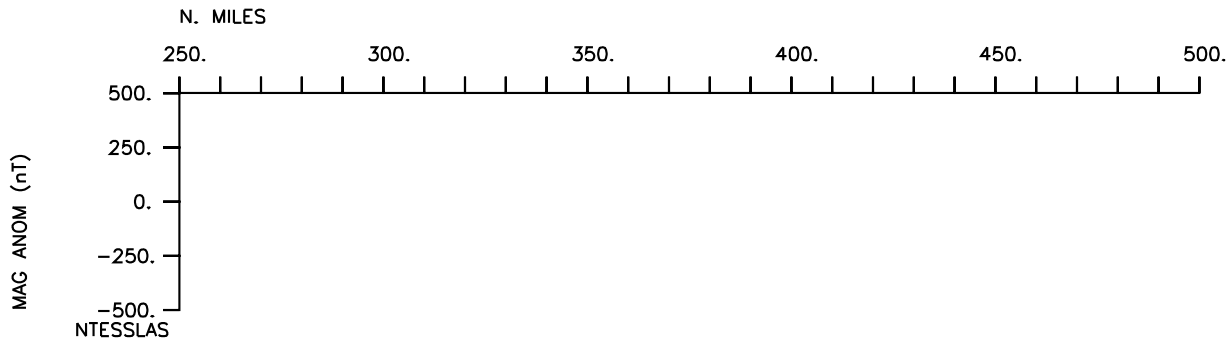
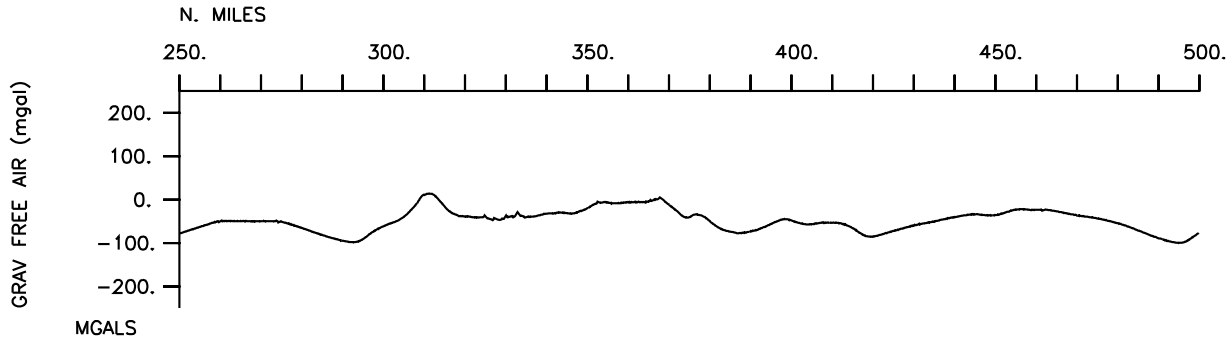
Multibeam-1789 miles

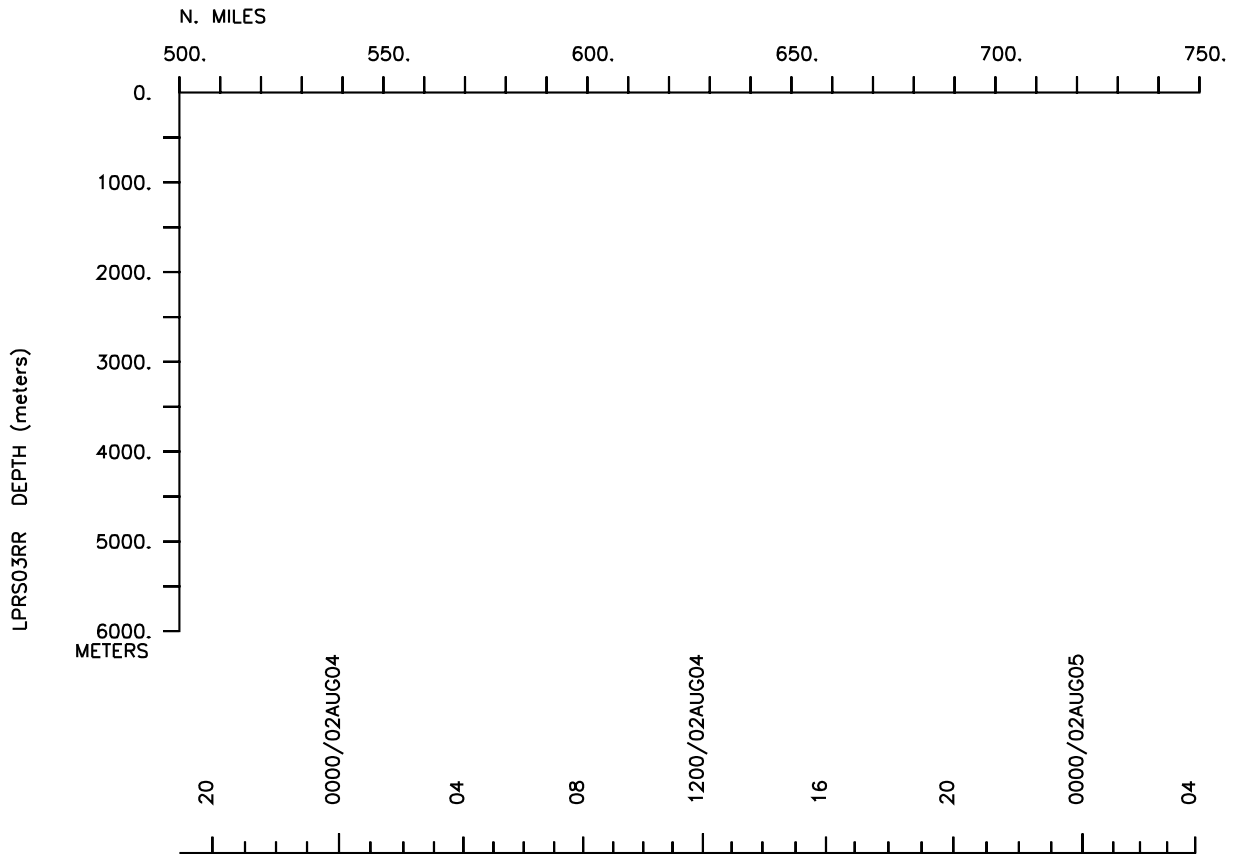
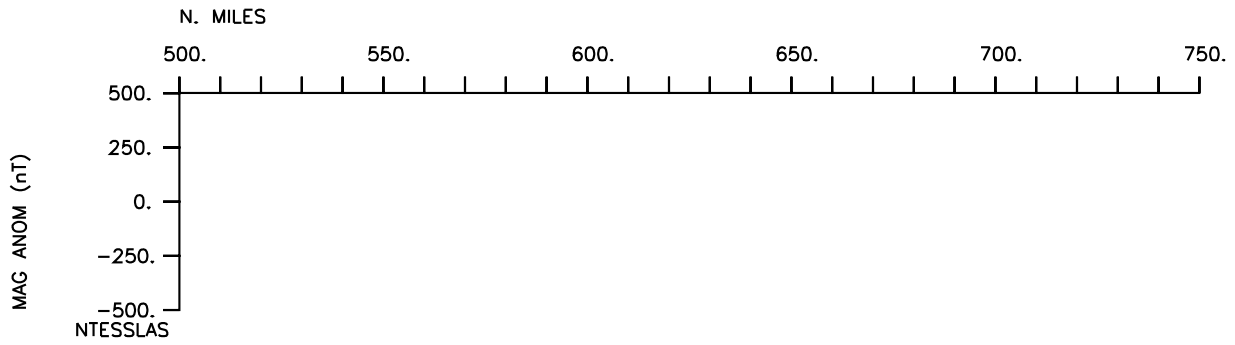
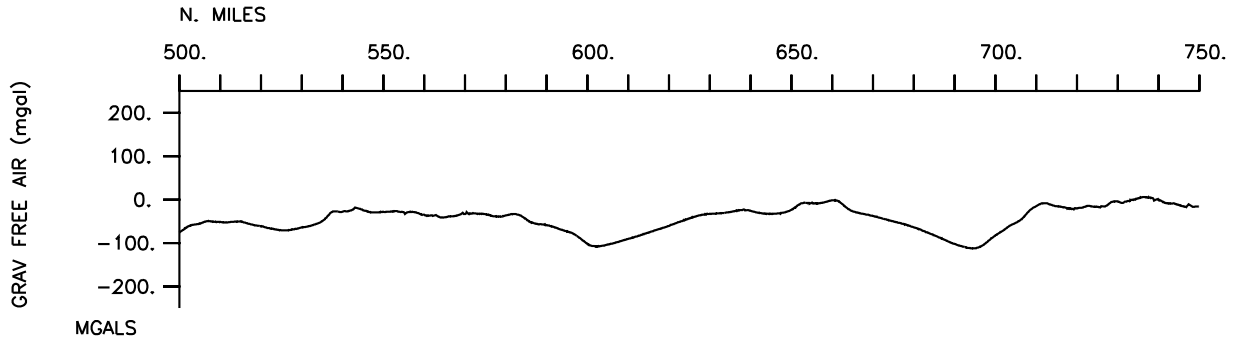
Gravity-3137 miles

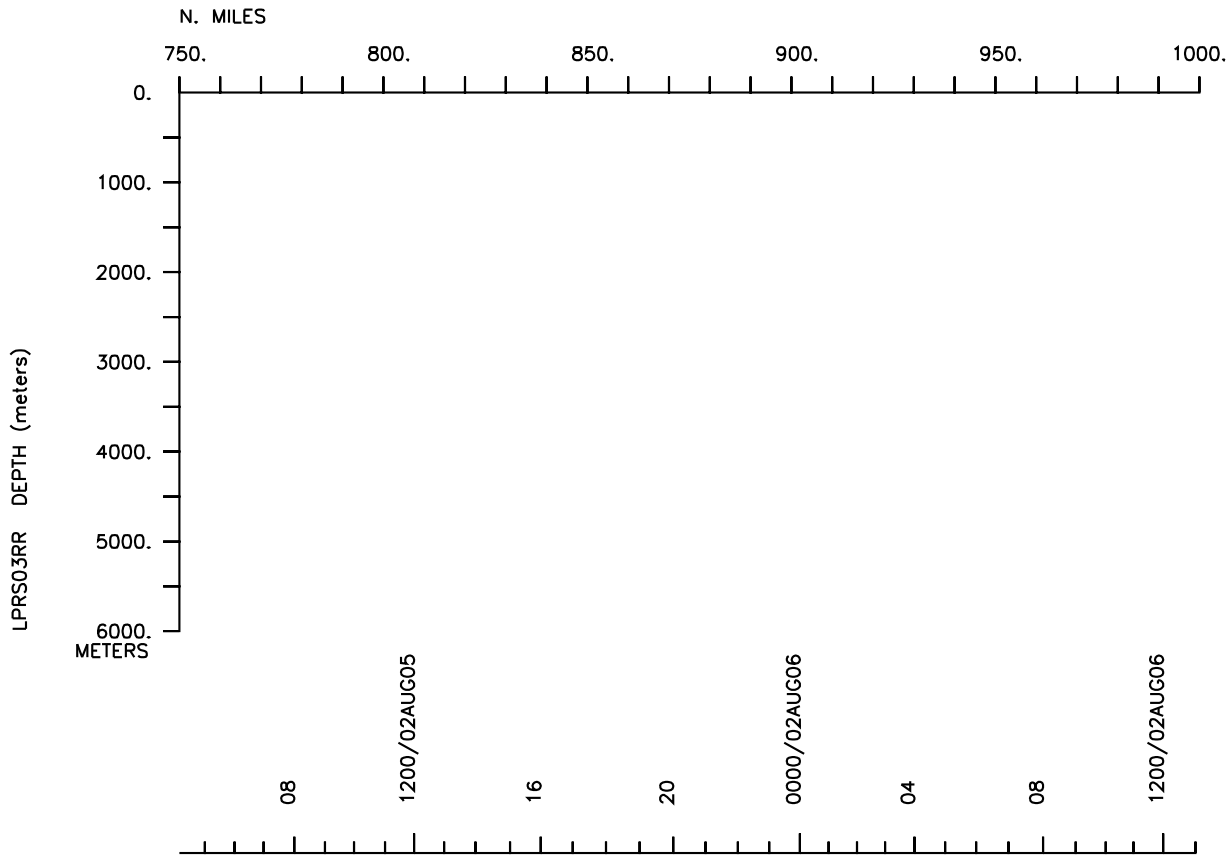
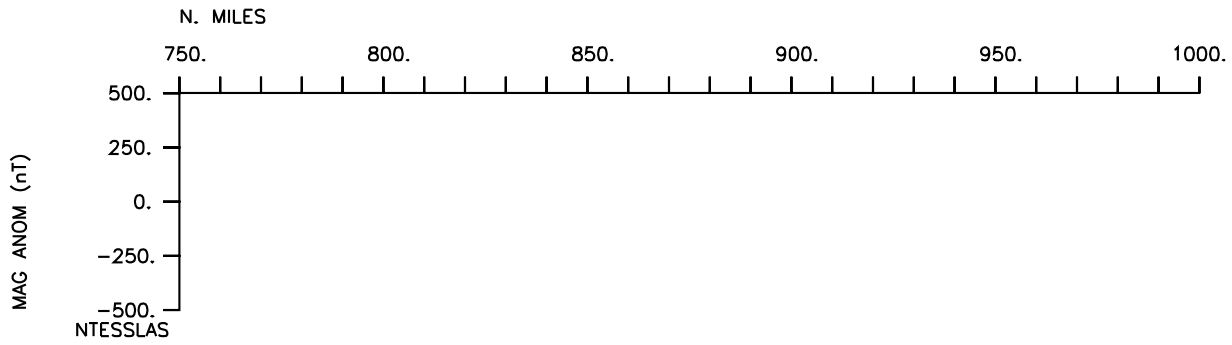
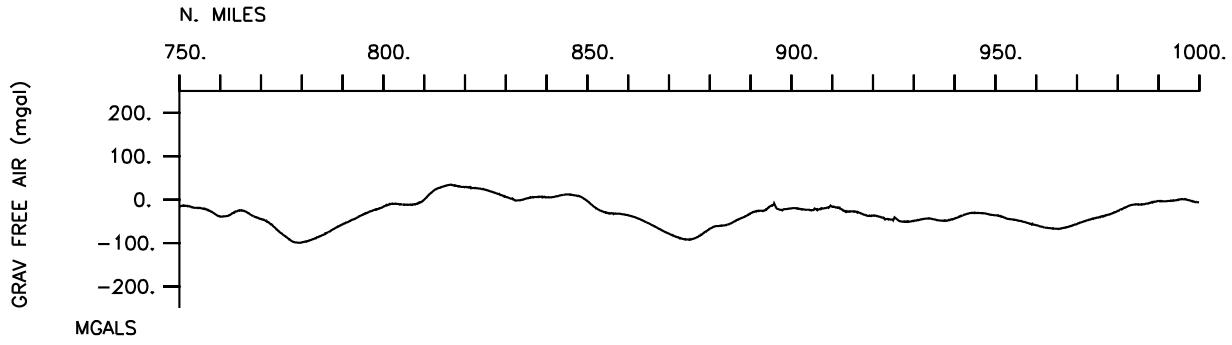
LPRS03RR

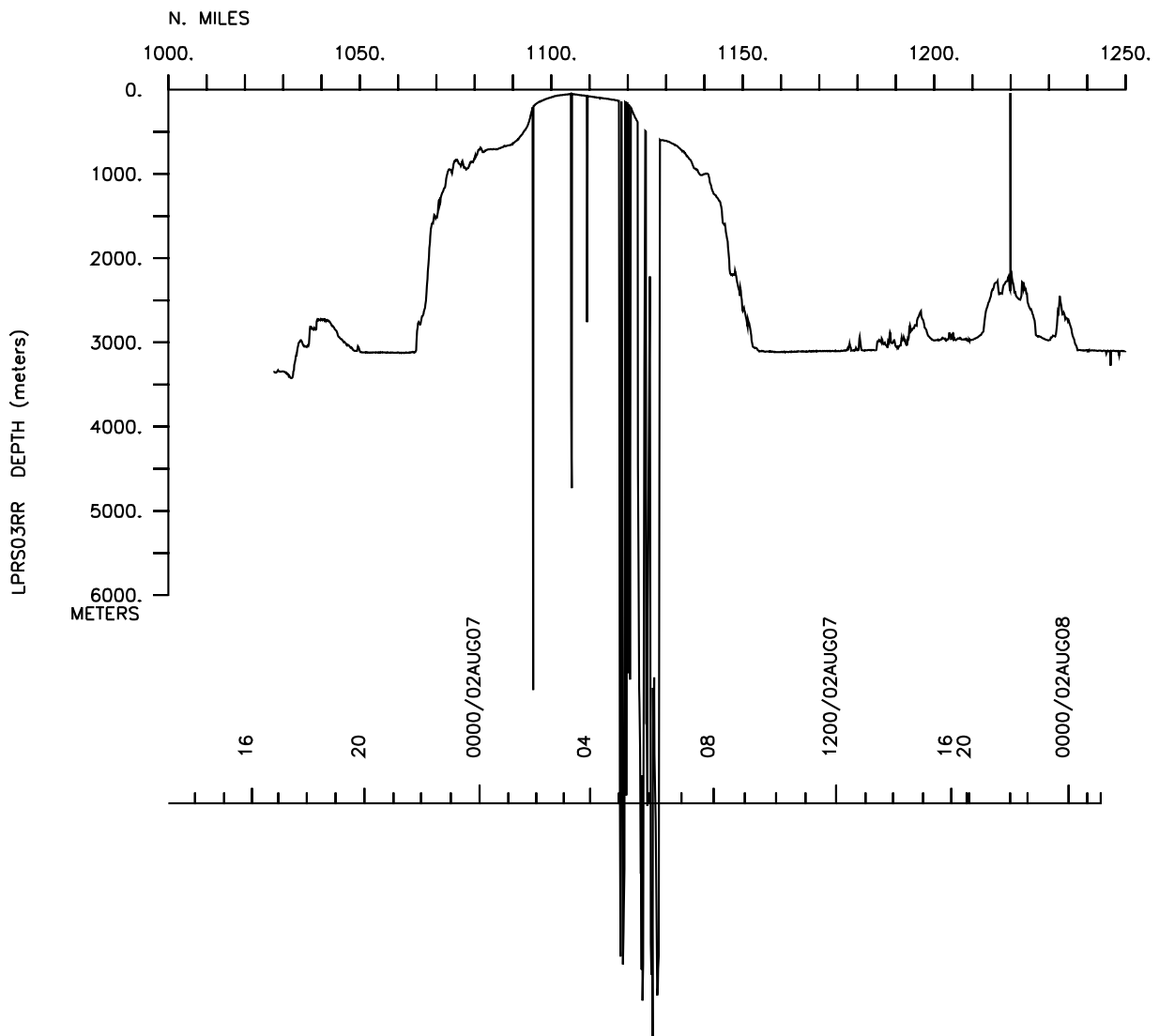
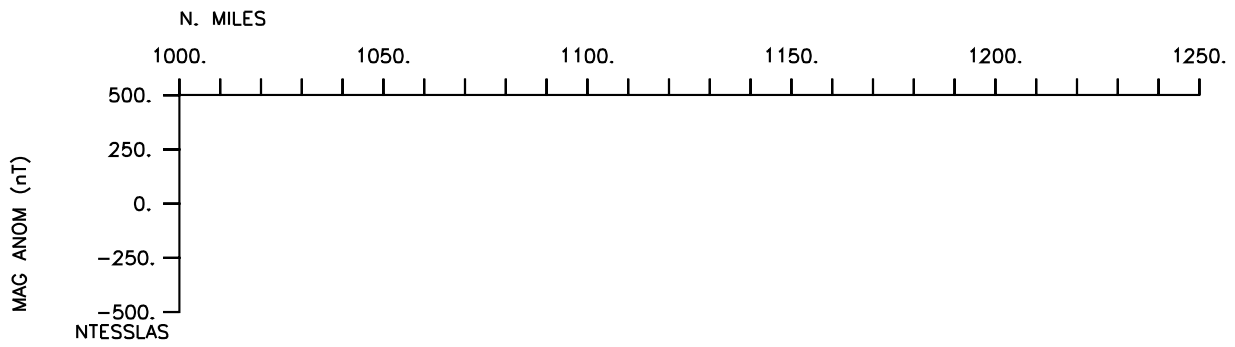
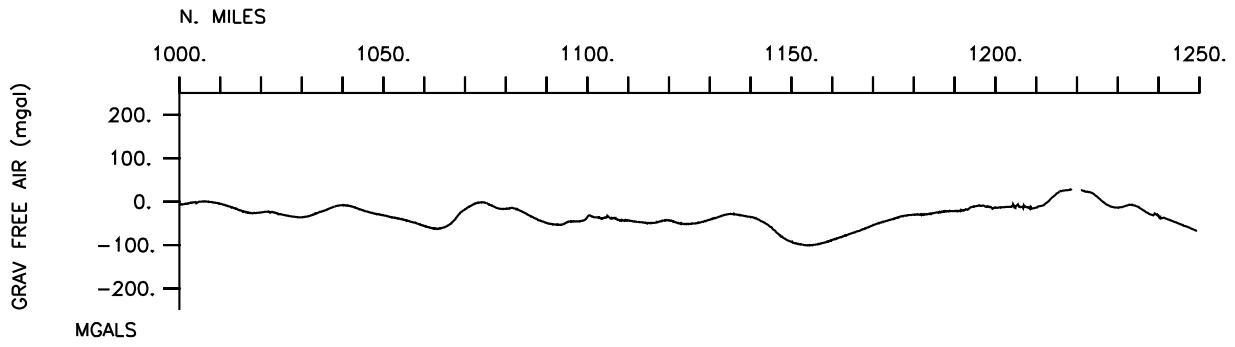


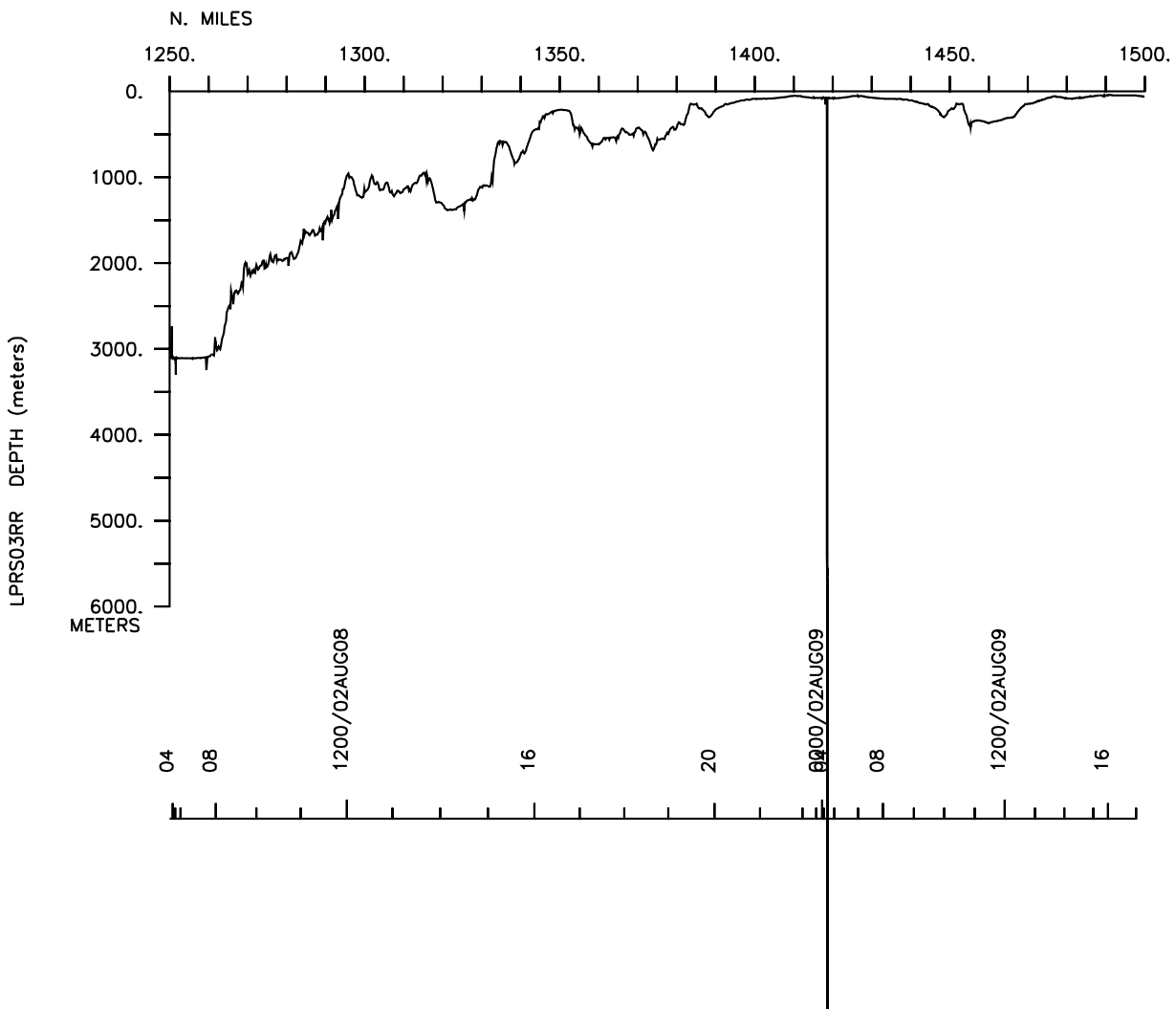
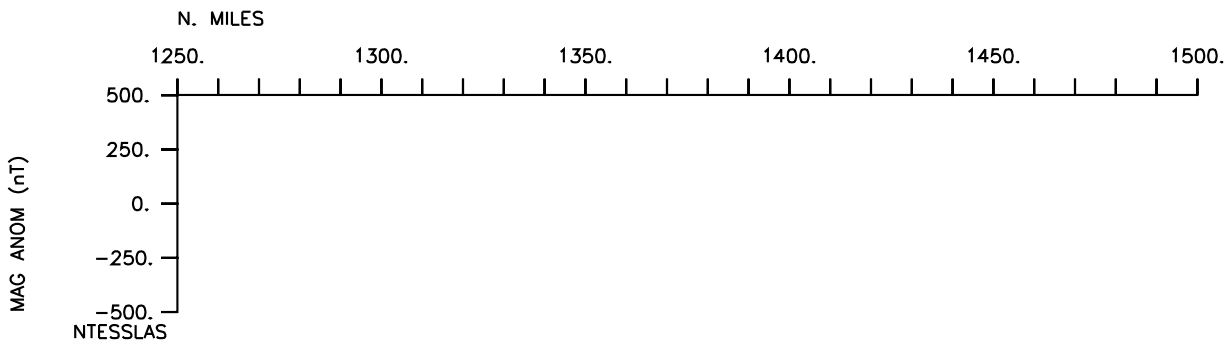
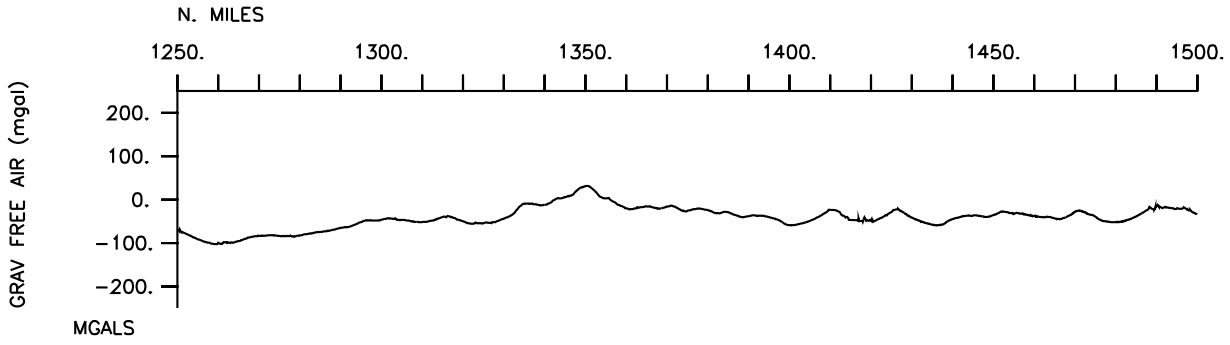


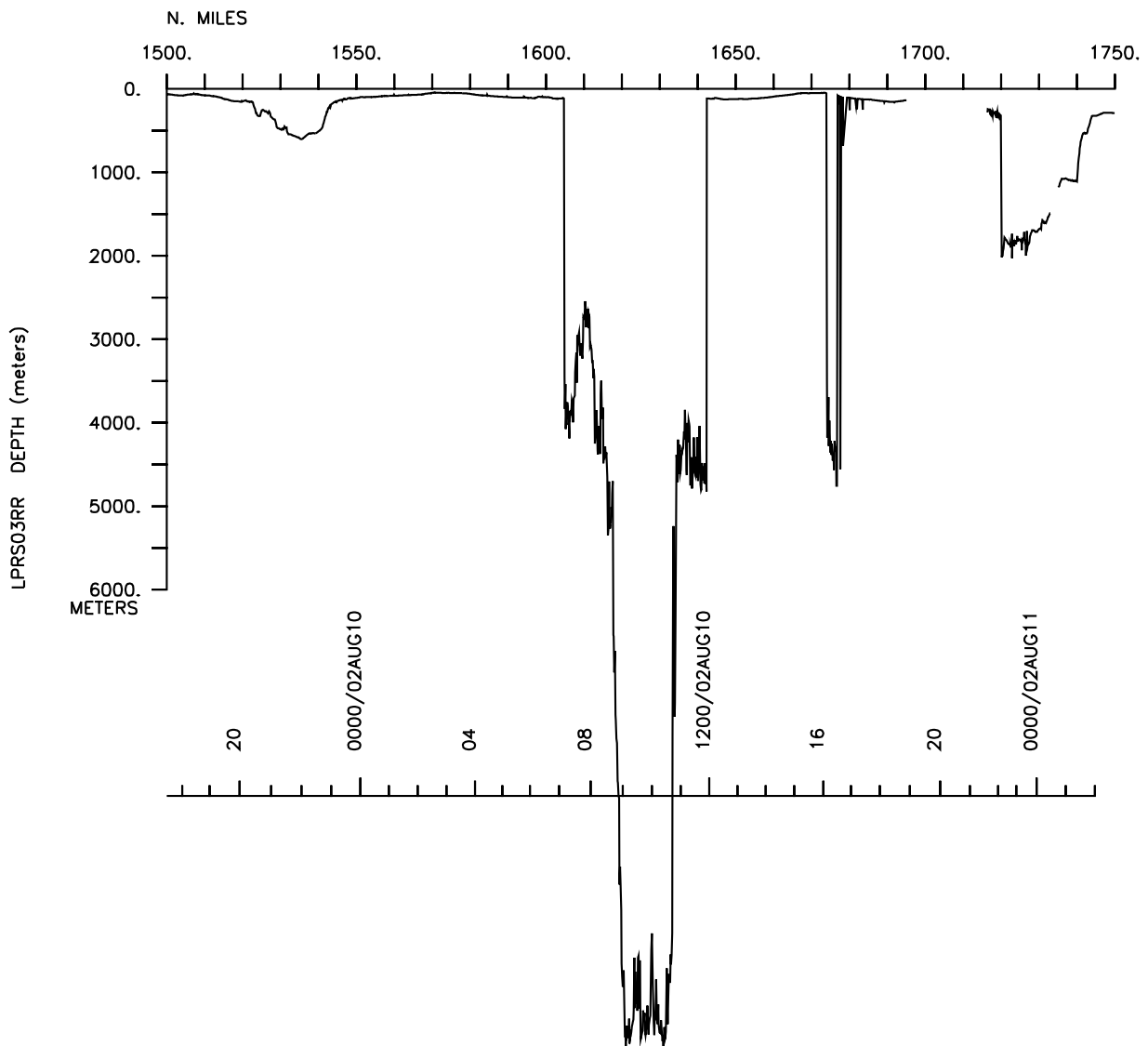
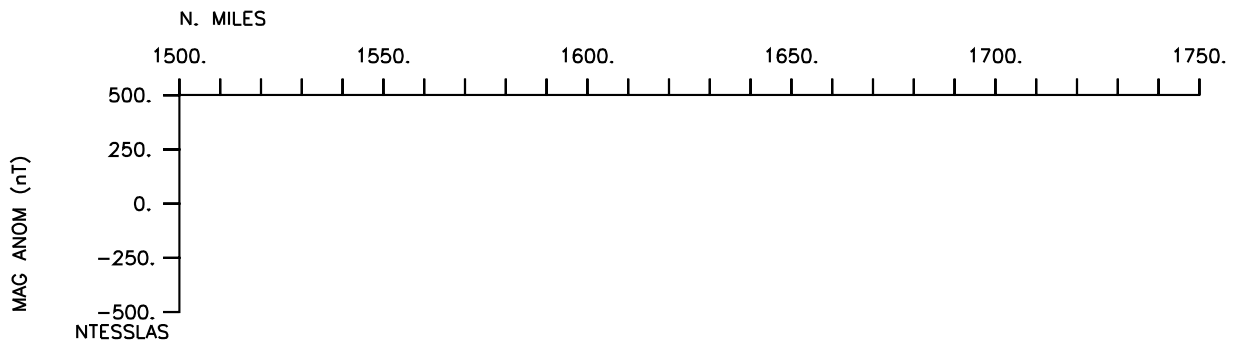
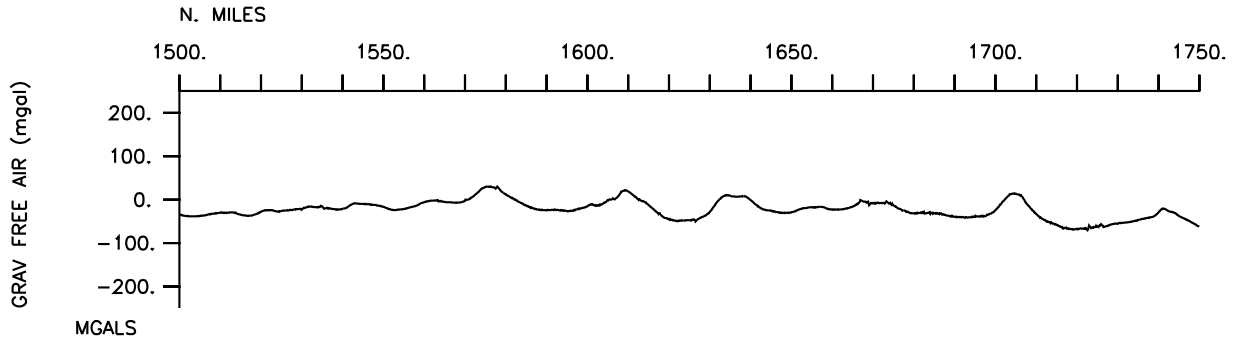


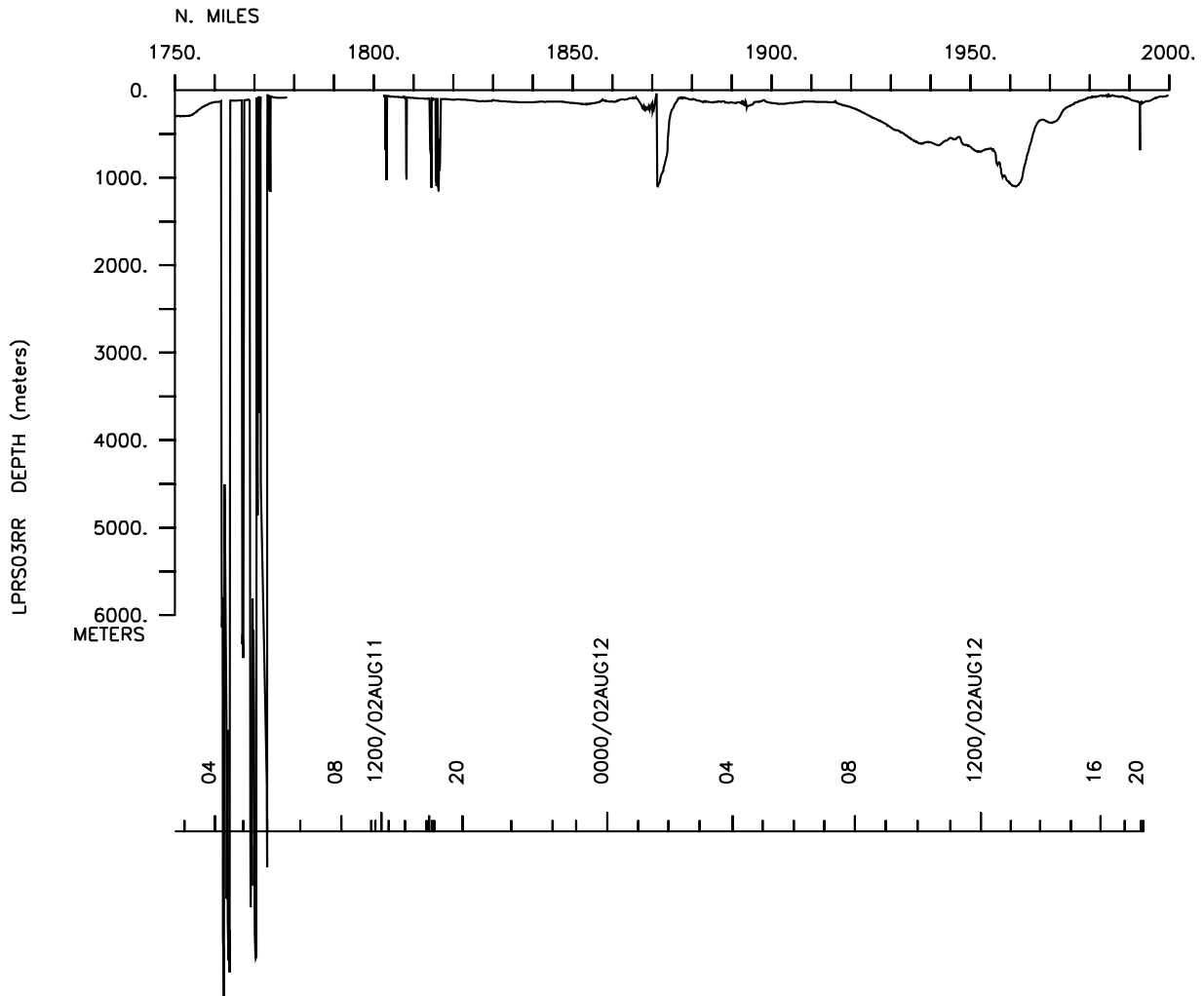
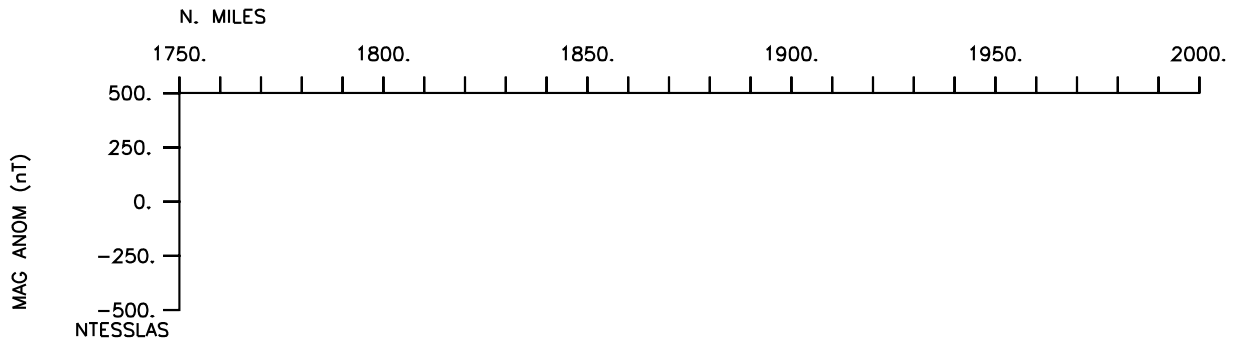
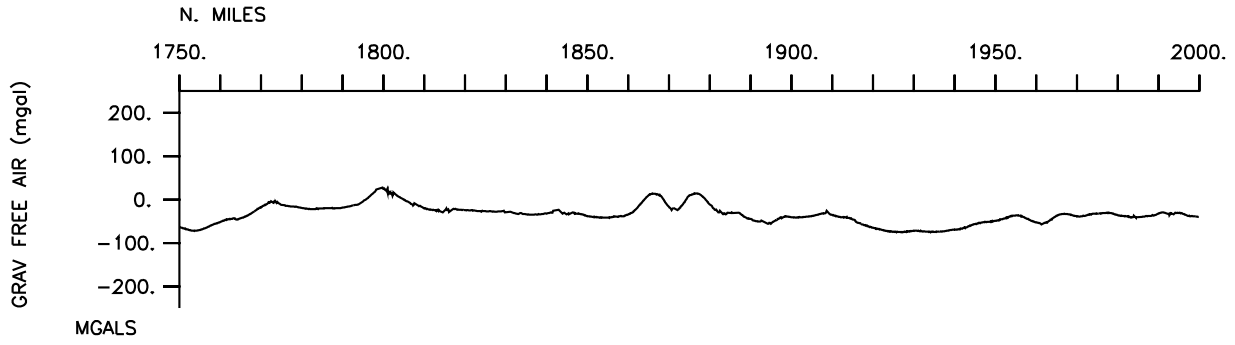


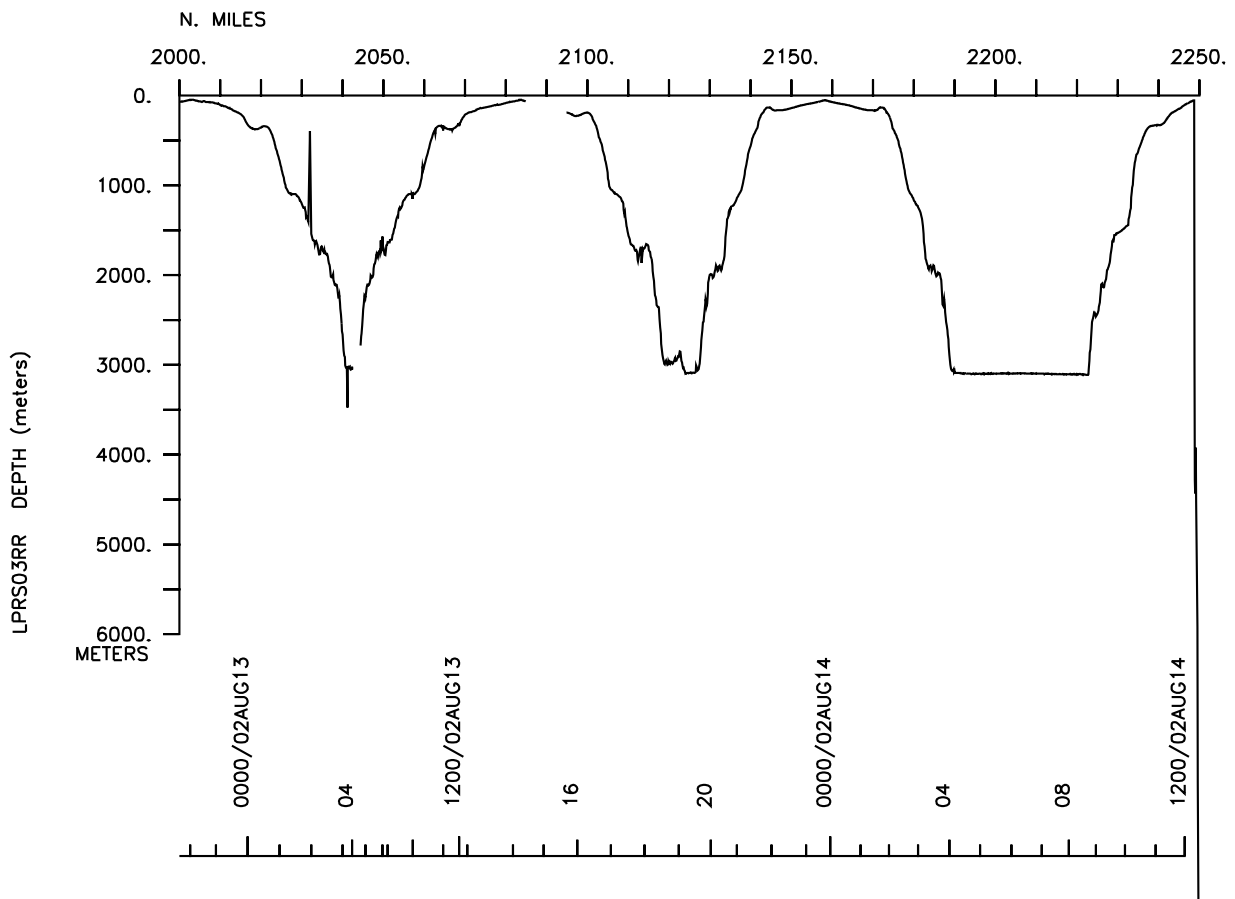
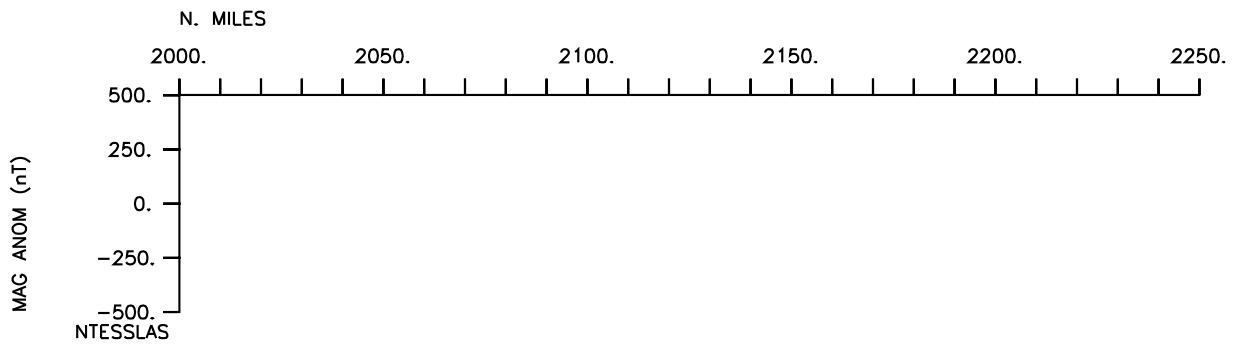
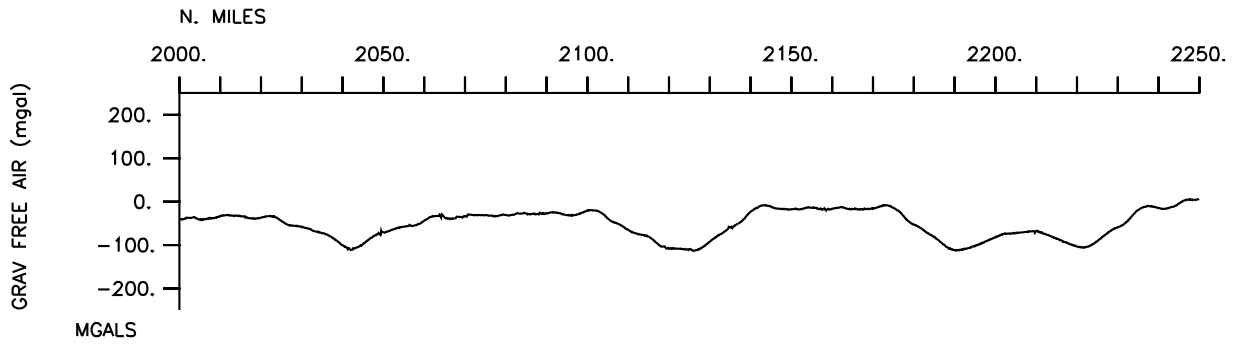


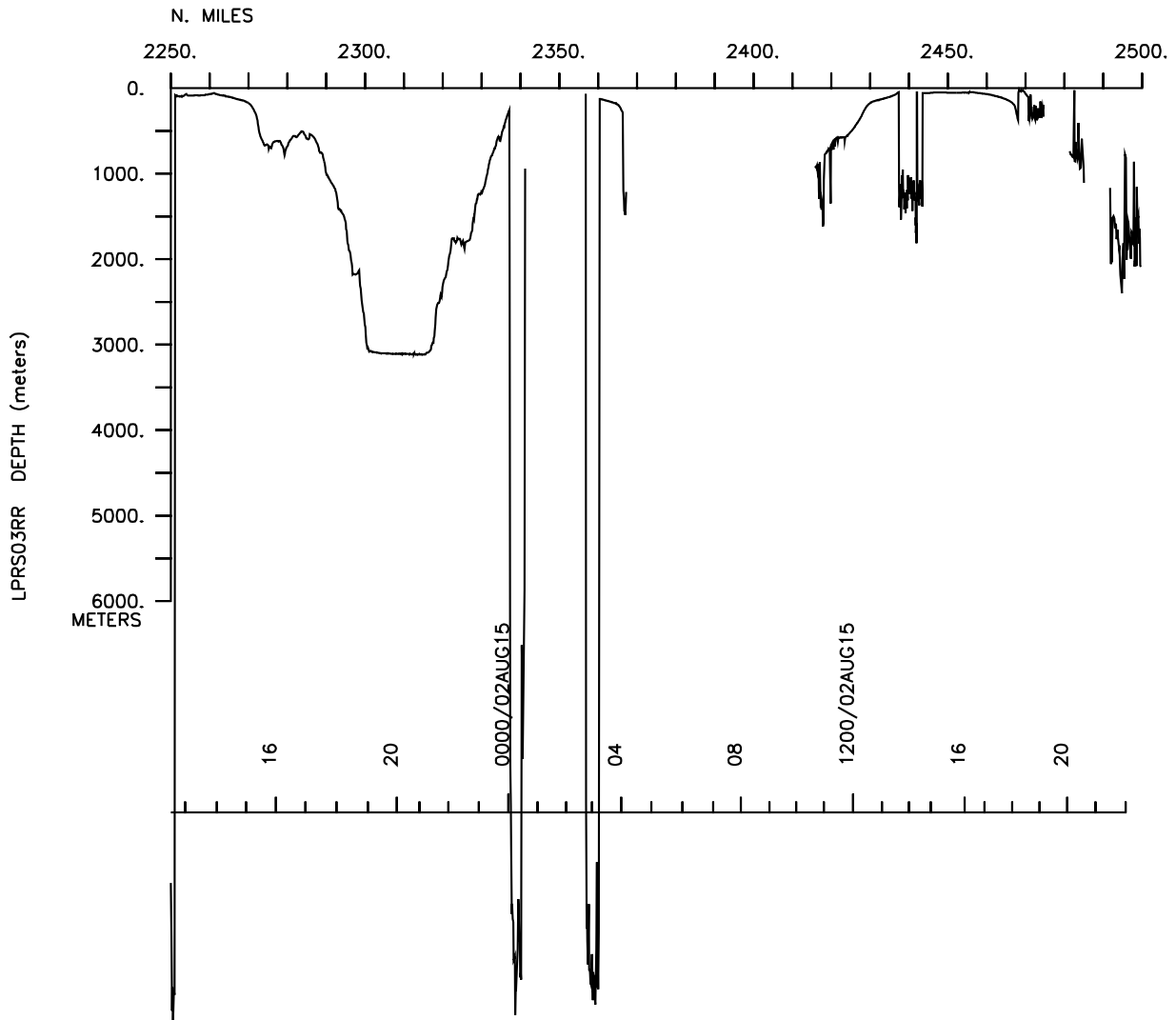
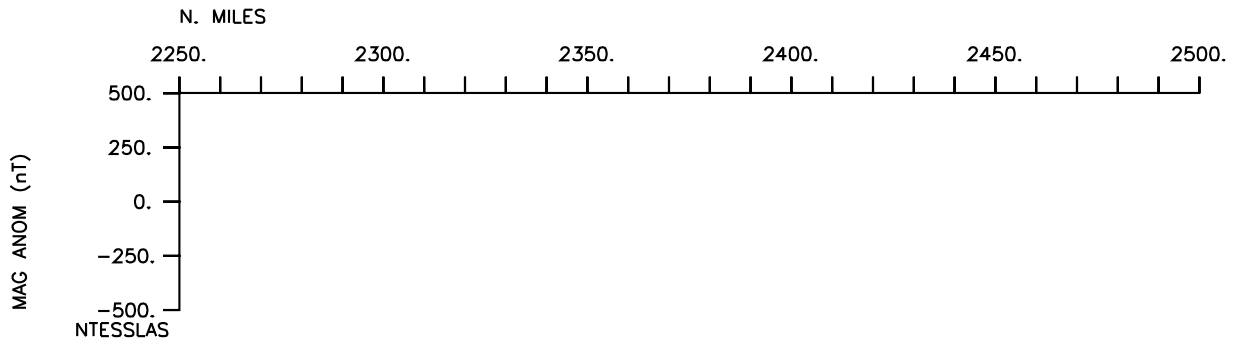
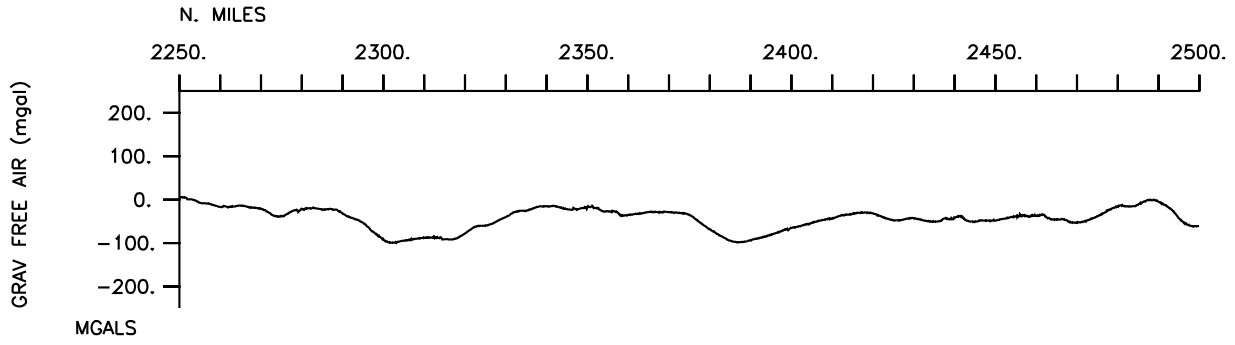


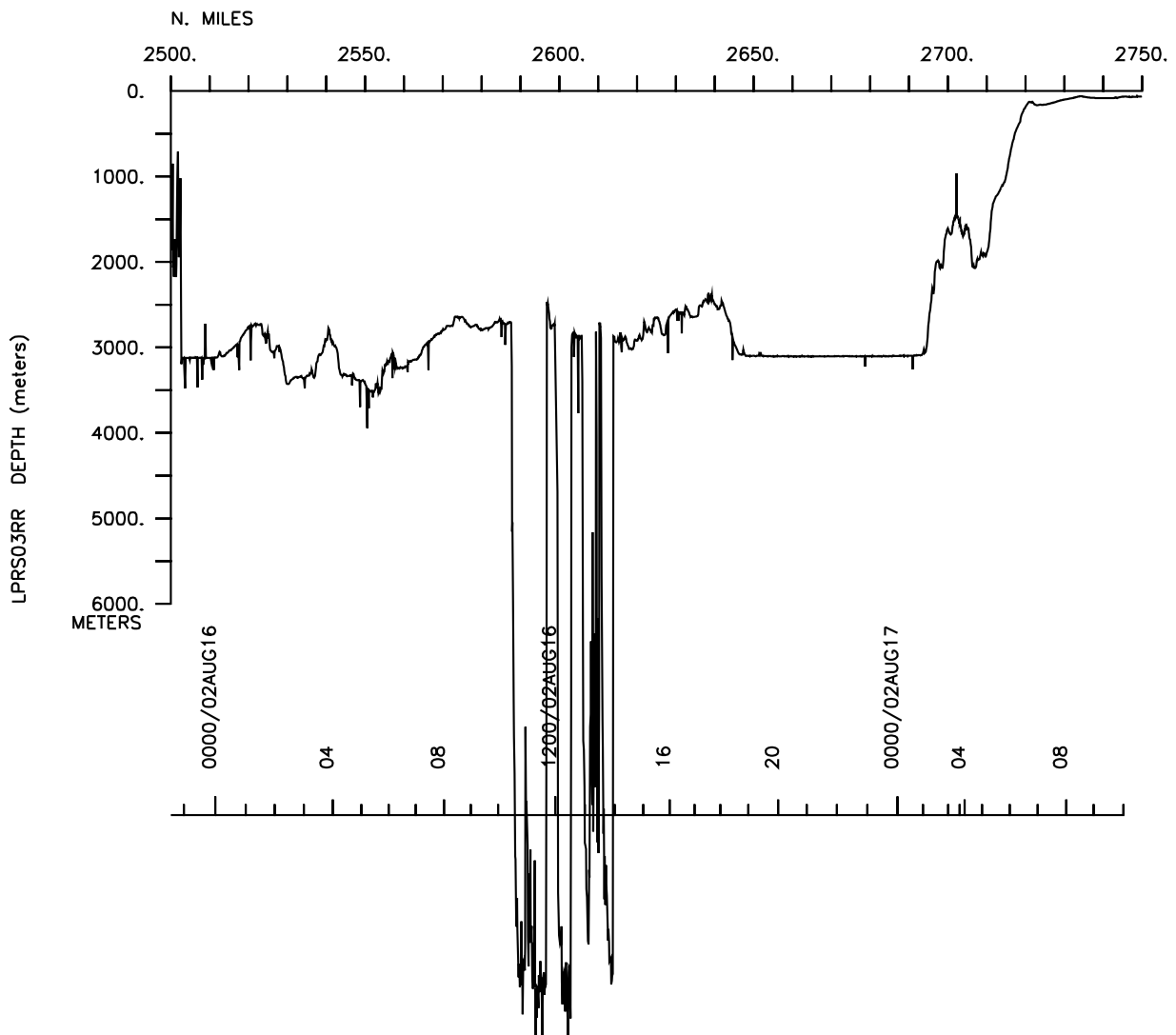
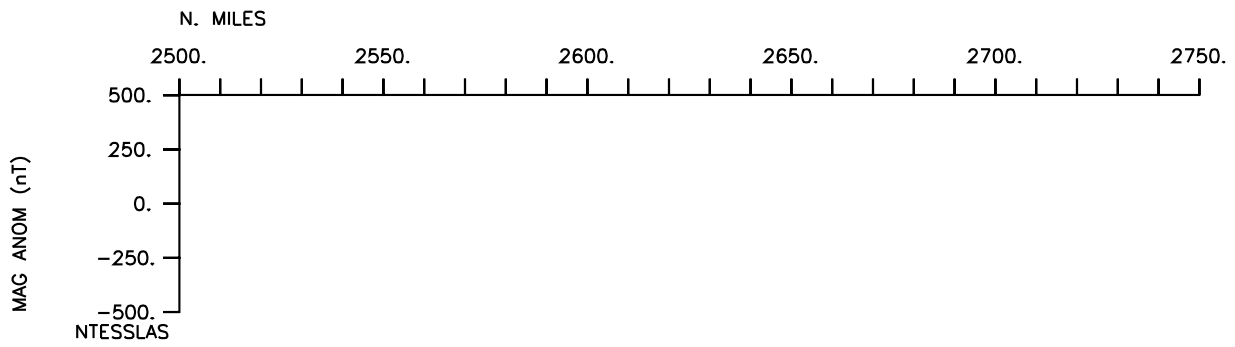
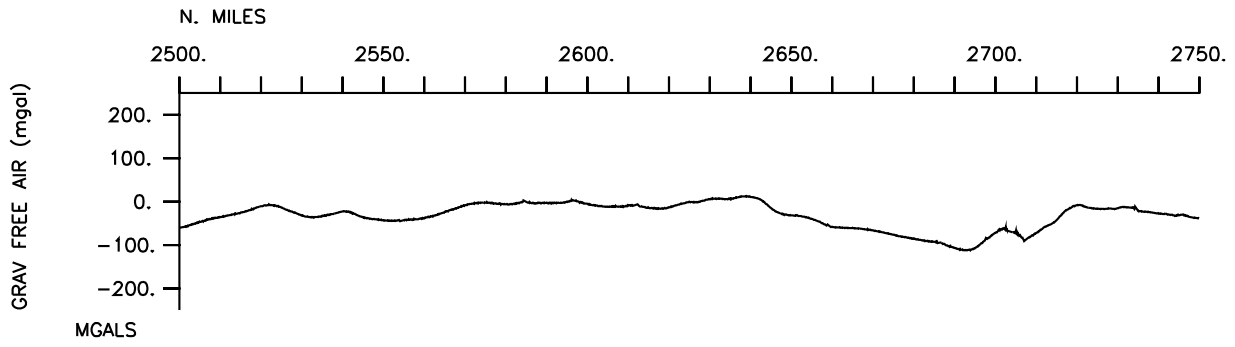


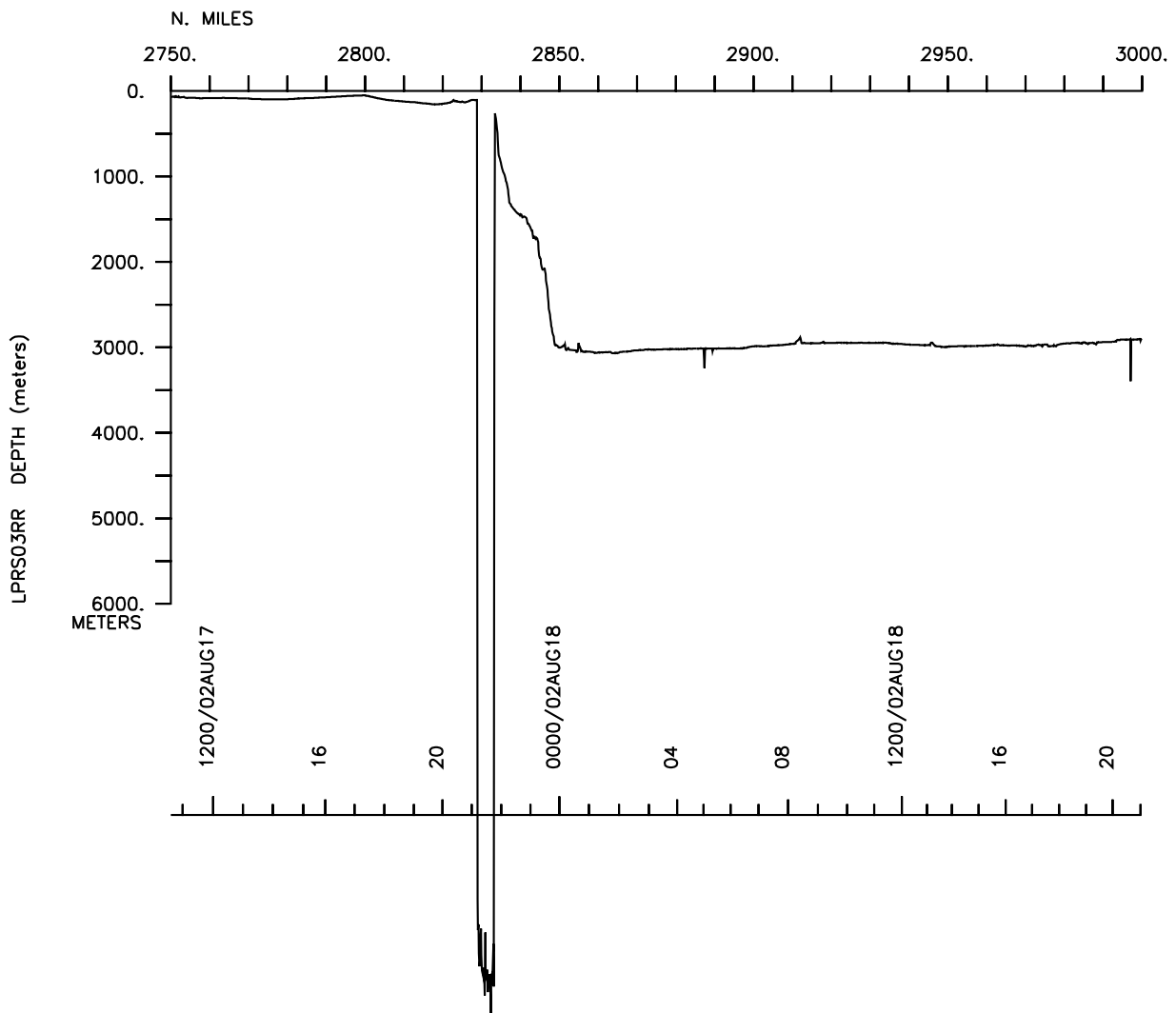
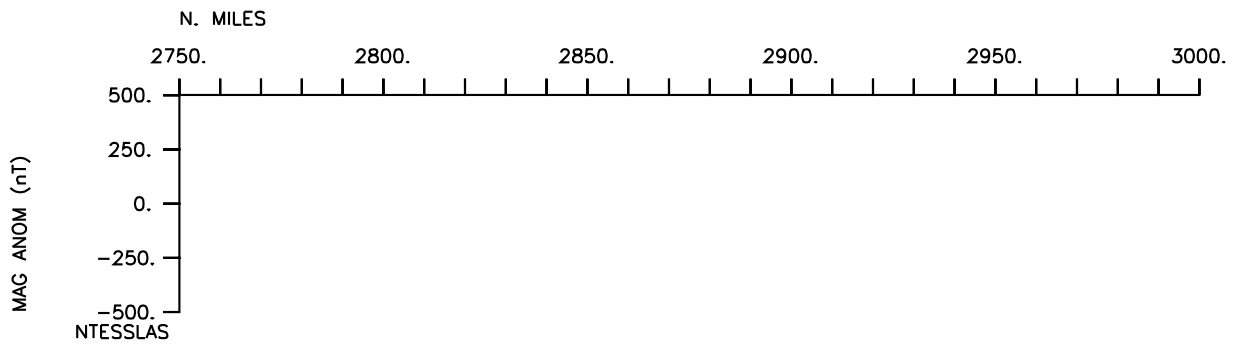
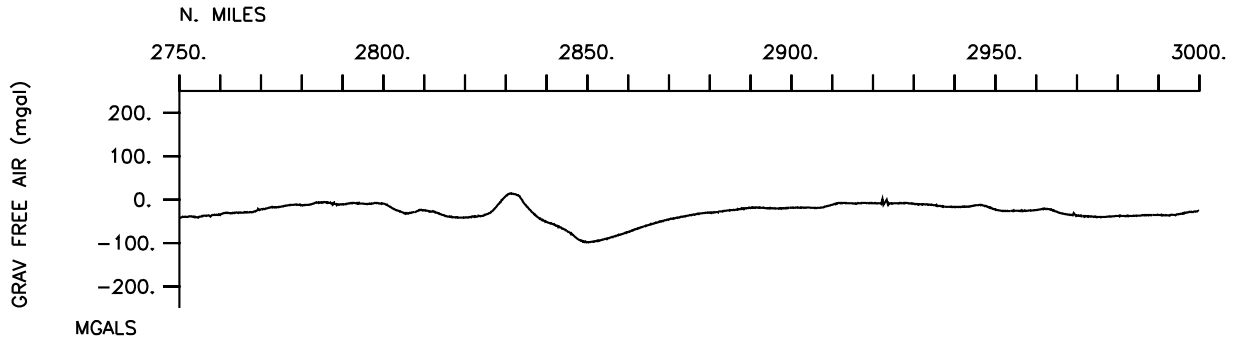


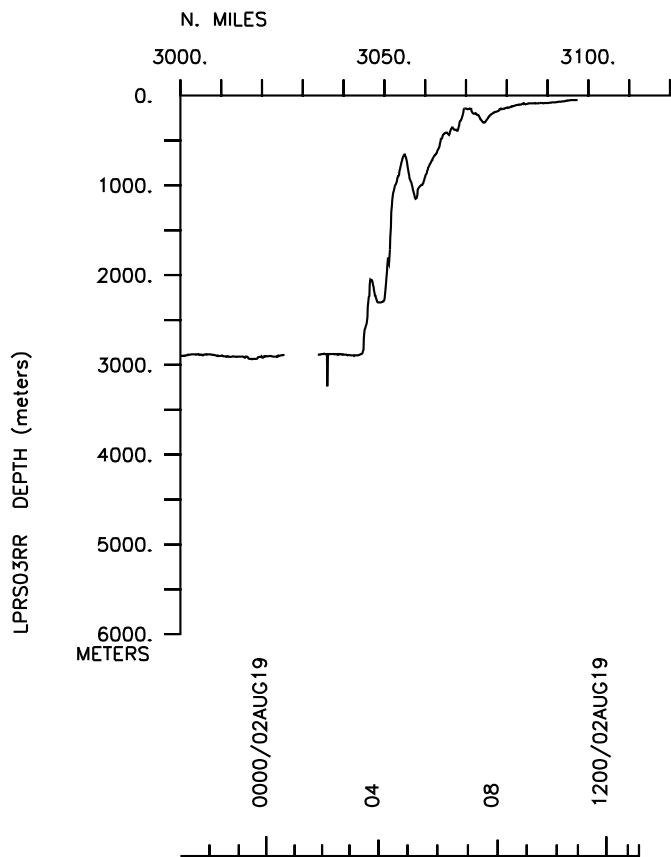
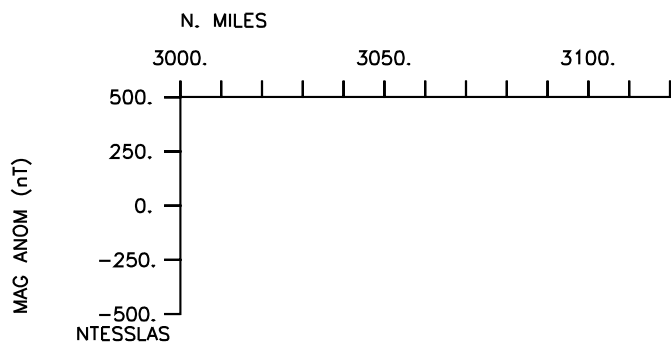
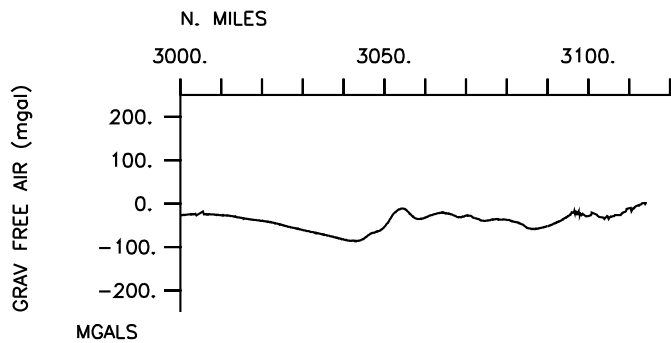












**** Ports ***

2255	310702	0	LGPT B	Newport, Oregon	44-37.56N	124-02.66W	g	LPRS03RR
1432	190802	0	LGPT E	Newport, Oregon	44-37.56N	124-02.66W	g	LPRS03RR

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS OSU	Barth, J.	Chief Scientist	Oregon State Univ.	LPRS03RR
PESP OSU	O'Malley, R.	Technician	Oregon State Univ.	LPRS03RR
PESP OSU	Erofeev, A.	Scientist	Oregon State Univ.	LPRS03RR
PESP OSU	Letelier, R.	Scientist	Oregon State Univ.	LPRS03RR
PESP SIX	Zhou, M.	Scientist	U. of Massachusetts	LPRS03RR
PESP SIX	Ainley, D.	Scientist	H.T. Harvey & Asso.	LPRS03RR
PESP SIX	Alexander, C.	Scientist	H.T. Harvey & Asso.	LPRS03RR
PESP UWA	Tynan, C.	Scientist	U. of Washington	LPRS03RR
PESP SIX	Ryan, T.	Scientist	H.T. Harvey & Asso.	LPRS03RR
PEST OSU	Castelao, R.	Grad. Student	Oregon State Univ.	LPRS03RR
PEST SIX	Wu, D.	Grad. Student	U. of Massachusetts	LPRS03RR
PESP OSU	Como, G.	Technician	Oregon State Univ.	LPRS03RR
PESP OSU	Andrades, M.	Technician	Oregon State Univ.	LPRS03RR
PESP OSU	Willils, M.	Marine Tech	Oregon State Univ.	LPRS03RR
PESP OSU	Fayler, L.	Marine Tech	Oregon State Univ.	LPRS03RR
PESP OSU	Martin, T.	Marine Tech	Oregon State Univ.	LPRS03RR
PESP SIX	Waluk, C.	Intern Tech.	Cal State Monterey	LPRS03RR
PESP OSU	Pierce, S.	Scientist	Oregon State Univ.	LPRS03RR
PEST SIX	Legaard, K.	Grad. Student	Univ. of Maine	LPRS03RR
PESP OSU	Wingard, C.	Technician	Oregon State Univ.	LPRS03RR
PEST OSU	Briggs, A.	Grad. Student	Oregon State Univ.	LPRS03RR
PEST OSU	Howard, C.	Grad. Student	Oregon State Univ.	LPRS03RR
PEVL SIX	Hercher, J.	Teacher/Volunteer	Salem, Oregon	LPRS03RR
PERT STS	Baiz, T.	Resident Tech.	Scripps Institution	LPRS03RR
PECT STS	French, B.	Computer Tech.	Scripps Institution	LPRS03RR

**** 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 ***

2255	310702	0	LBSC B	Science Log Book	OSU	44-37.53N	124-02.65W	g	LPRS03RR
1432	190802	0	LBSC E	Science Log Book	OSU	44-37.54N	124-02.66W	g	LPRS03RR
1730	070802	0	LBSC B	CTD Log Book	OSU	42-43.50N	125-51.00W	g	LPRS03RR
0403	170802	0	LBSC E	CTD Log Book	OSU	42-55.18N	125-06.26W	g	LPRS03RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	--	-----	-----	-----	-----	-----	-----	-----	-	-----
#*** MultiBeam Data (SIMRAD) ***										
1649	060802	0	MBSI	B SIMRAD Multibeam	GDC	41-53.99N	126-03.62W	g	LPRS03RR	
1057	190802	0	MBSI	E SIMRAD Multibeam	GDC	44-40.09N	124-08.42W	g	LPRS03RR	
#*** Digital Gravity ***										
2255	310702	0	GVDD	B Digital Gravity	GDC	44-37.53N	124-02.65W	g	LPRS03RR	
1432	190802	0	GVDD	E Digital Gravity	GDC	44-37.54N	124-02.66W	g	LPRS03RR	
#*** Integrated Meteorological Acquisition System ***										
2255	310702	0	IMET	B Weather measurements	GDC	44-37.53N	124-02.65W	g	LPRS03RR	
1432	190802	0	IMET	E Weather measurements	GDC	44-37.54N	124-02.66W	g	LPRS03RR	
#*** Acoustic Doppler Current Profiler ***										
2255	310702	0	ADCP	B Current measurements	GDC	44-37.53N	124-02.65W	g	LPRS03RR	
1432	190802	0	ADCP	E Current measurements	GDC	44-37.54N	124-02.66W	g	LPRS03RR	
#*** Towed Acoustic Plankton Counter ***										
0115	010802	0	PHXX	B HTI Towed acoustic	OSU	44-39.49N	124-17.27W	g	LPRS03RR	
0137	010802	0	PHXX	E HTI plankton counter	OSU	44-40.74N	124-17.50W	g	LPRS03RR	
0236	010802	0	PHXX	B HTI	OSU	44-39.60N	124-07.76W	g	LPRS03RR	
1628	070802	0	PHXX	E HTI	OSU	42-40.69N	125-47.77W	g	LPRS03RR	
0350	080802	0	PHXX	B HTI	OSU	42-43.50N	125-23.99W	g	LPRS03RR	
0413	080802	0	PHXX	E HTI	OSU	42-44.12N	125-24.00W	g	LPRS03RR	
0401	090802	0	PHXX	B HTI	OSU	44-38.19N	124-15.34W	g	LPRS03RR	
1530	090802	0	PHXX	E HTI	OSU	44-33.98N	124-08.84W	g	LPRS03RR	
1659	090802	0	PHXX	B HTI	OSU	44-28.48N	124-09.22W	g	LPRS03RR	
0606	110802	0	PHXX	E HTI	OSU	43-52.27N	124-12.86W	g	LPRS03RR	
2200	110802	0	PHXX	B HTI	OSU	43-59.84N	124-26.49W	g	LPRS03RR	
1625	120802	0	PHXX	E HTI	OSU	43-13.35N	124-28.86W	g	LPRS03RR	
2210	120802	0	PHXX	B HTI	OSU	43-13.20N	124-26.92W	g	LPRS03RR	
0319	130802	0	PHXX	E HTI	OSU	43-12.90N	125-19.52W	g	LPRS03RR	
0234	170802	0	PHXX	B HTI	OSU	42-55.39N	125-03.85W	g	LPRS03RR	
0413	170802	0	PHXX	E HTI	OSU	42-55.22N	125-06.50W	g	LPRS03RR	
1540	170802	0	PHXX	B HTI	OSU	43-47.92N	124-14.59W	g	LPRS03RR	
1045	190802	0	PHXX	E HTI	OSU	44-39.60N	124-08.10W	g	LPRS03RR	
0414	090802	0	PHXX	B TAPS Acoustic Plank.	OSU	44-38.19N	124-15.33W	g	LPRS03RR	
0512	090802	0	PHXX	E TAPS Acoustic Plank.	OSU	44-38.19N	124-15.34W	g	LPRS03RR	

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

*** Conductivity, Temperature, Depth - Towed Vehicle ***

0236	010802	0	TDTV	B	Seasoar	OSU	44-39.60N	124-07.76W	g	LPRS03RR
0048	020802	0	TDTV	E	Seasoar	OSU	44-28.60N	124-09.71W	g	LPRS03RR
0311	020802	0	TDTV	B	Seasoar	OSU	44-14.71N	124-09.87W	g	LPRS03RR
1618	070802	0	TDTV	E	Seasoar	OSU	42-40.52N	125-47.57W	g	LPRS03RR
0708	090802	0	TDTV	B	Seasoar	OSU	44-39.09N	124-08.43W	g	LPRS03RR
1525	090802	0	TDTV	E	Seasoar	OSU	44-33.85N	124-08.75W	g	LPRS03RR
1702	090802	0	TDTV	B	Seasoar	OSU	44-28.44N	124-09.44W	g	LPRS03RR
2230	100802	0	TDTV	E	Seasoar	OSU	43-54.79N	125-14.06W	g	LPRS03RR
2330	100802	0	TDTV	B	Seasoar	OSU	43-51.93N	125-15.25W	g	LPRS03RR
0557	110802	0	TDTV	E	Seasoar	OSU	43-52.20N	124-12.68W	g	LPRS03RR
2205	110802	0	TDTV	B	Seasoar	OSU	43-59.98N	124-26.61W	g	LPRS03RR
1618	120802	0	TDTV	E	Seasoar	OSU	43-13.17N	124-28.70W	g	LPRS03RR
2344	130802	0	TDTV	B	Seasoar	OSU	42-57.04N	124-31.68W	g	LPRS03RR
0226	170802	0	TDTV	E	Seasoar	OSU	42-55.40N	125-04.21W	g	LPRS03RR
0421	170802	0	TDTV	B	Seasoar	OSU	42-55.49N	125-06.68W	g	LPRS03RR
1528	170802	0	TDTV	E	Seasoar	OSU	43-47.51N	124-14.72W	g	LPRS03RR
1540	170802	0	TDTV	B	Seasoar	OSU	43-47.92N	124-14.59W	g	LPRS03RR
1039	190802	0	TDTV	E	Seasoar	OSU	44-39.36N	124-08.02W	g	LPRS03RR

*** Conductivity, Temperature, Depth ***

1730	070802	0	TDCT	B	001	24	1000M	OSU	42-43.50N	125-51.00W	g	LPRS03RR
1839	070802	0	TDCT	E	S N	G		OSU	42-43.49N	125-50.99W	g	LPRS03RR
2125	070802	0	TDCT	B	002	24	1000M	OSU	42-43.50N	126-04.50W	g	LPRS03RR
2225	070802	0	TDCT	E	S N	G		OSU	42-43.50N	126-04.50W	g	LPRS03RR
0042	080802	0	TDCT	B	003	24	1000M	OSU	42-43.50N	125-37.52W	g	LPRS03RR
0140	080802	0	TDCT	E	S N	G		OSU	42-43.50N	125-37.50W	g	LPRS03RR
0421	080802	0	TDCT	B	004	24	1000M	OSU	42-44.15N	125-24.02W	g	LPRS03RR
0532	080802	0	TDCT	E	S N	G		OSU	42-44.14N	125-24.00W	g	LPRS03RR
0805	080802	0	TDCT	B	005	24	1000M	OSU	42-43.50N	125-10.51W	g	LPRS03RR
0855	080802	0	TDCT	E	S N	G		OSU	42-43.50N	125-10.50W	g	LPRS03RR
0320	090802	0	TDCT	B	006	20	75M	OSU	44-38.18N	124-15.32W	g	LPRS03RR
0345	090802	0	TDCT	E	S N	G		OSU	44-38.19N	124-15.34W	g	LPRS03RR
0905	110802	0	TDCT	B	007	18	35M	OSU	44-15.00N	124-09.01W	g	LPRS03RR
0940	110802	0	TDCT	E	S N	G		OSU	44-15.00N	124-09.01W	g	LPRS03RR
1048	110802	0	TDCT	B	008	19	50M	OSU	44-15.00N	124-10.20W	g	LPRS03RR
1124	110802	0	TDCT	E	S N	G		OSU	44-15.00N	124-10.20W	g	LPRS03RR
1228	110802	0	TDCT	B	009	17	60M	OSU	44-15.00N	124-12.51W	g	LPRS03RR
1247	110802	0	TDCT	E	S N	G		OSU	44-14.99N	124-12.52W	g	LPRS03RR
1354	110802	0	TDCT	B	010	19	80M	OSU	44-14.99N	124-19.09W	g	LPRS03RR
1419	110802	0	TDCT	E	S N	G		OSU	44-14.98N	124-19.04W	g	LPRS03RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP					p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE			c	LEG-SHIP
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1538	110802	0	TDCT	B 011	21	100M	OSU	44-14.97N	124-26.97W	g	LPRS03RR
1609	110802	0	TDCT	E S N	G		OSU	44-14.97N	124-26.97W	g	LPRS03RR
2024	120802	0	TDCT	B 012	20	150M	OSU	43-12.78N	124-39.55W	g	LPRS03RR
2055	120802	0	TDCT	E S N	G		OSU	43-12.78N	124-39.55W	g	LPRS03RR
0332	130802	0	TDCT	B 013	24	1000M	OSU	43-13.00N	125-20.01W	g	LPRS03RR
0427	130802	0	TDCT	E S N	G		OSU	43-13.00N	125-20.00W	g	LPRS03RR
0538	130802	0	TDCT	B 014	24	1000M	OSU	43-13.00N	125-10.00W	g	LPRS03RR
0645	130802	0	TDCT	E S N	G		OSU	43-13.00N	125-10.00W	g	LPRS03RR
0754	130802	0	TDCT	B 015	24	1085M	OSU	43-13.00N	125-00.00W	g	LPRS03RR
0900	130802	0	TDCT	E S N	G		OSU	43-13.00N	125-00.00W	g	LPRS03RR
1008	130802	0	TDCT	B 016	24	350M	OSU	43-13.00N	124-50.00W	g	LPRS03RR
1055	130802	0	TDCT	E S N	G		OSU	43-13.00N	124-50.00W	g	LPRS03RR
1143	130802	0	TDCT	B 017	24	305M	OSU	43-12.99N	124-45.00W	g	LPRS03RR
1239	130802	0	TDCT	E S N	G		OSU	43-13.00N	124-45.00W	g	LPRS03RR
0342	170802	0	TDCT	B 018	16	200M	OSU	42-55.24N	125-05.76W	g	LPRS03RR
0403	170802	0	TDCT	E S N	G		OSU	42-55.18N	125-06.26W	g	LPRS03RR

**** Conductivity, Temperature, Depth - Optical Plankton counter ****

1916	070802	0	TDXX	B Optical Plankton #1	OSU	42-43.50N	125-51.00W	g	LPRS03RR
1950	070802	0	TDXX	E cntr w/CTD	OSU	42-43.50N	125-51.00W	g	LPRS03RR
0152	080802	0	TDXX	B Bio-optic cast #2	OSU	42-43.50N	125-37.50W	g	LPRS03RR
0225	080802	0	TDXX	E Bio-optic cast #2	OSU	42-43.50N	125-37.50W	g	LPRS03RR
0557	080802	0	TDXX	B Bio-optic cast #3	OSU	42-44.15N	125-24.00W	g	LPRS03RR
0640	080802	0	TDXX	E Bio-optic cast #3	OSU	42-44.14N	125-24.01W	g	LPRS03RR
2339	080802	0	TDXX	B Bio-optic cast #4	OSU	44-38.70N	124-15.50W	g	LPRS03RR
0303	090802	0	TDXX	E Bio-Optic cast #4	OSU	44-38.24N	124-15.45W	g	LPRS03RR
1712	110802	0	TDXX	B Bio-Optic cast #5	OSU	44-14.58N	124-26.90W	g	LPRS03RR
1905	110802	0	TDXX	E Bio-Optic cast #5	OSU	44-14.29N	124-27.22W	g	LPRS03RR
1827	120802	0	TDXX	B Bio-Optic cast #6	OSU	43-12.77N	124-39.55W	g	LPRS03RR
2010	120802	0	TDXX	E Bio-Optic cast #6	OSU	43-12.78N	124-39.55W	g	LPRS03RR
0258	170802	0	TDXX	B Bio-Optic cast #7	OSU	42-55.68N	125-04.57W	g	LPRS03RR
0332	170802	0	TDXX	E Bio-Optic cast #7	OSU	42-55.31N	125-05.53W	g	LPRS03RR

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

2256	080802	0	PSXX	B	TSRB	OSU	44-38.66N	124-14.92W	g	LPRS03RR
2321	080802	0	PSXX	E	TSRB	OSU	44-38.16N	124-15.32W	g	LPRS03RR
1632	110802	0	PSXX	B	TSRB #2	OSU	44-14.62N	124-26.87W	g	LPRS03RR
1655	110802	0	PSXX	E	TSRB #2	OSU	44-14.62N	124-26.87W	g	LPRS03RR
1743	120802	0	PSXX	B	TSRB	OSU	43-13.03N	124-39.54W	g	LPRS03RR
1817	120802	0	PSXX	E	TSRB	OSU	43-13.03N	124-39.55W	g	LPRS03RR

*** Expendable Bathythermographs ***

1636	060802	0	BTXP	MK12	# 1	Fast_Deep	GDC	41-53.98N	126-05.44W	g	LPRS03RR
2120	100802	0	BTXP	MK12	# 3	Fast_Deep	GDC	43-59.98N	125-08.41W	g	LPRS03RR
0200	120802	0	BTXP	MK12	# 4	Fast_Deep	GDC	43-59.99N	124-57.26W	g	LPRS03RR
0434	130802	0	BTXP	MK12	# 5	Fast_Deep	GDC	43-12.99N	125-19.53W	g	LPRS03RR
2338	150802	0	BTXP	MK12	# 7	Fast_Deep	GDC	41-53.99N	125-28.84W	g	LPRS03RR
2127	180802	0	BTXP	MK12	# 9	Fast_Deep	GDC	44-39.05N	126-14.11W	g	LPRS03RR
2353	180802	0	BTXP	MK12	# 10	Fast_Deep	GDC	44-39.08N	125-54.38W	g	LPRS03RR
0000	190802	0	BTXP	MK12	# 11	Fast_Deep	GDC	44-39.09N	125-53.27W	g	LPRS03RR
0153	190802	0	BTXP	MK12	# 12	Fast_Deep	GDC	44-39.13N	125-35.12W	g	LPRS03RR
0325	190802	0	BTXP	MK12	# 13	Fast_Deep	GDC	44-39.06N	125-20.53W	g	LPRS03RR

*** End Sample Index LPRS03RR