

*Report and Index of
Underway Marine Geophysical Data*

Centennial

Leg 15

(CNTL15RR)

R/V Roger Revelle

(Issued Mar 2004)

Ports:

Newport, OR (04-Sep-2003)

to

San Diego, CA (22-Sep-03)

Chief Scientist: David Chadwell

UC San Diego

cchadwell@ucsd.edu

Computer Tech - Geoff Davis

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#300

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.

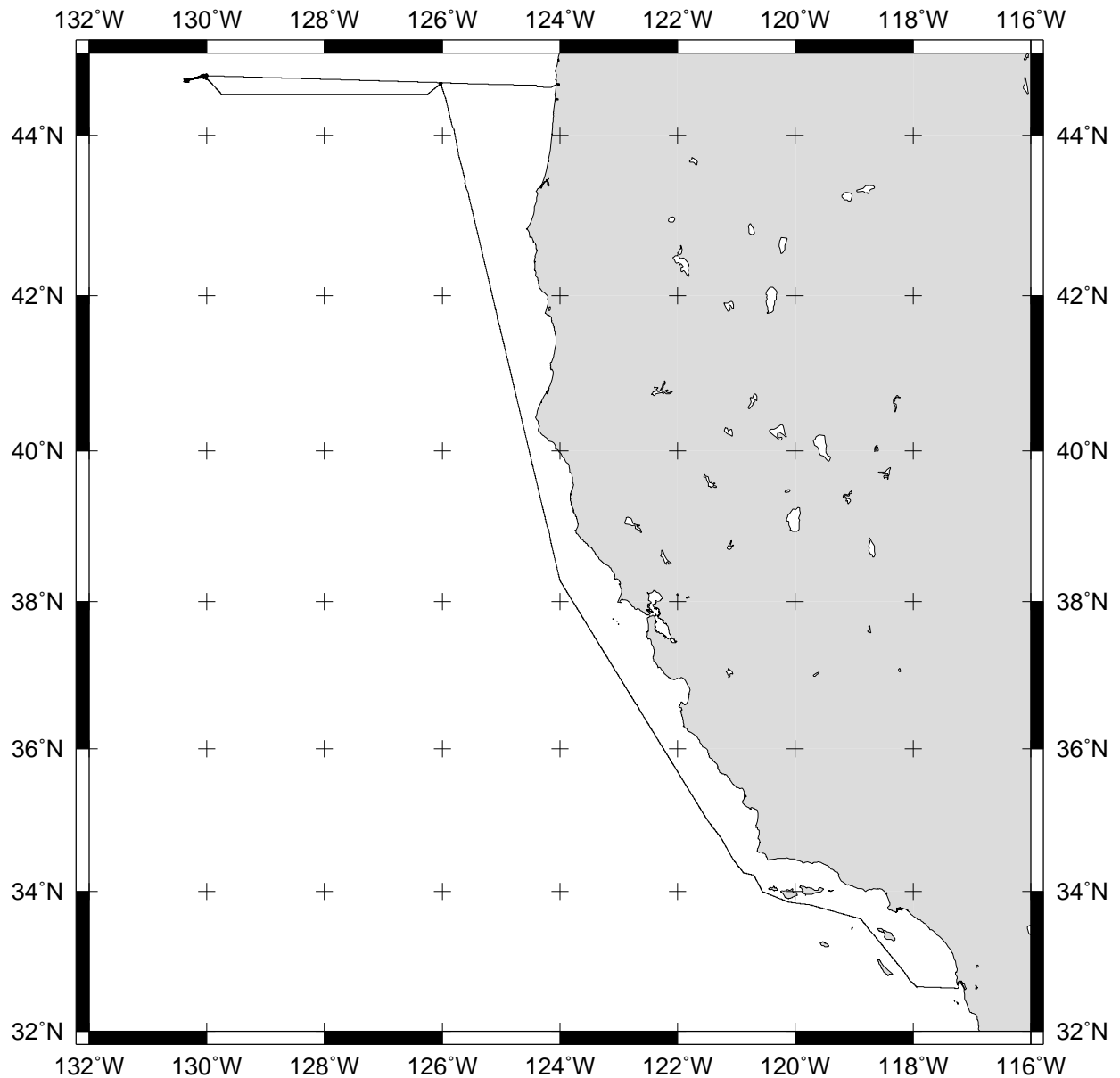
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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



CENTENNIAL EXPEDITION LEG 15 (CNTL15RR)

=====

CHIEF SCIENTIST: David Chadwell, Scripps Institution

PORTS: Newport, Oregon - San Diego, California

DATES: 4 - 22 September 2003

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-1639 miles

Magnetics-none collected

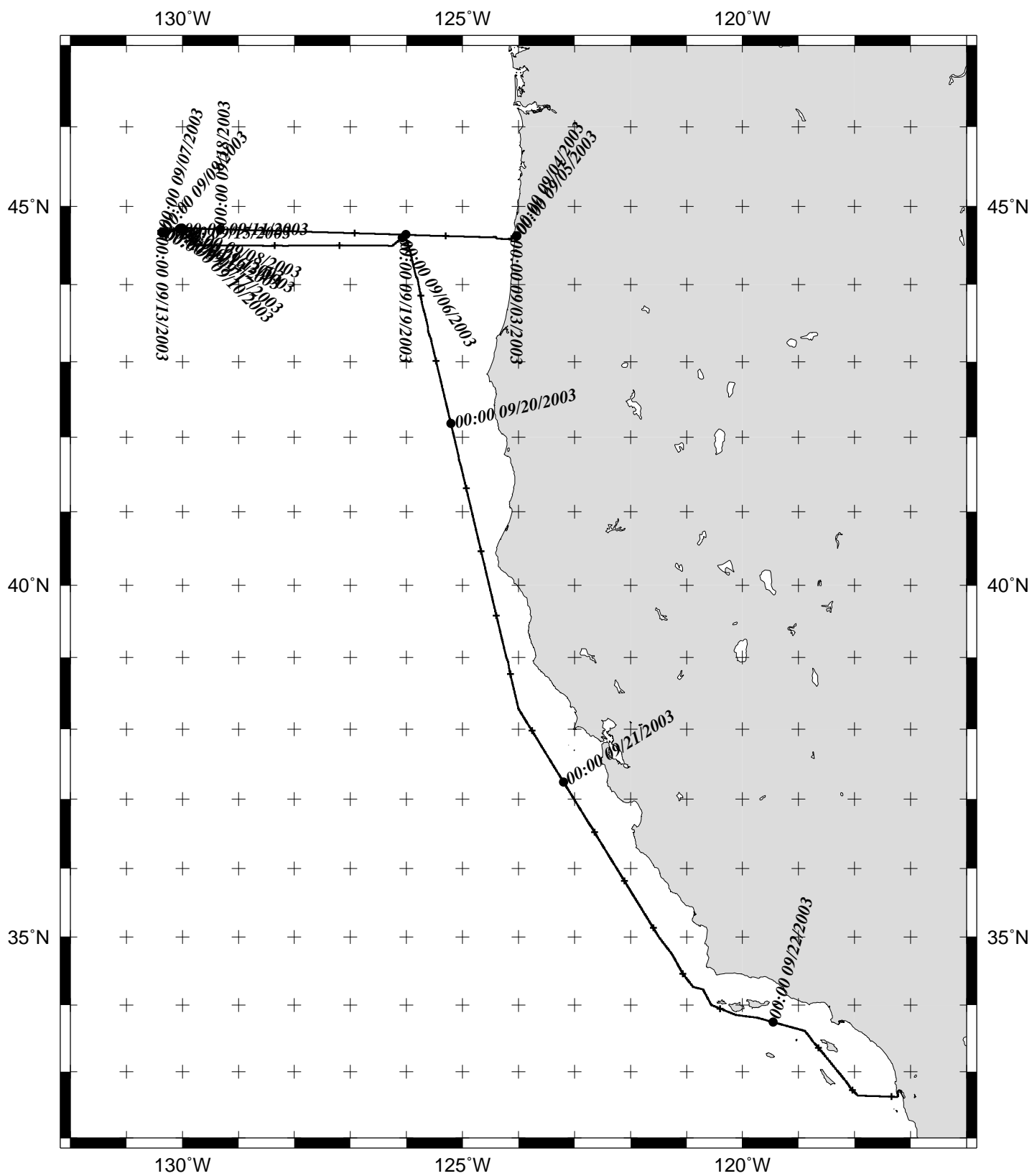
Bathymetry-1147 miles

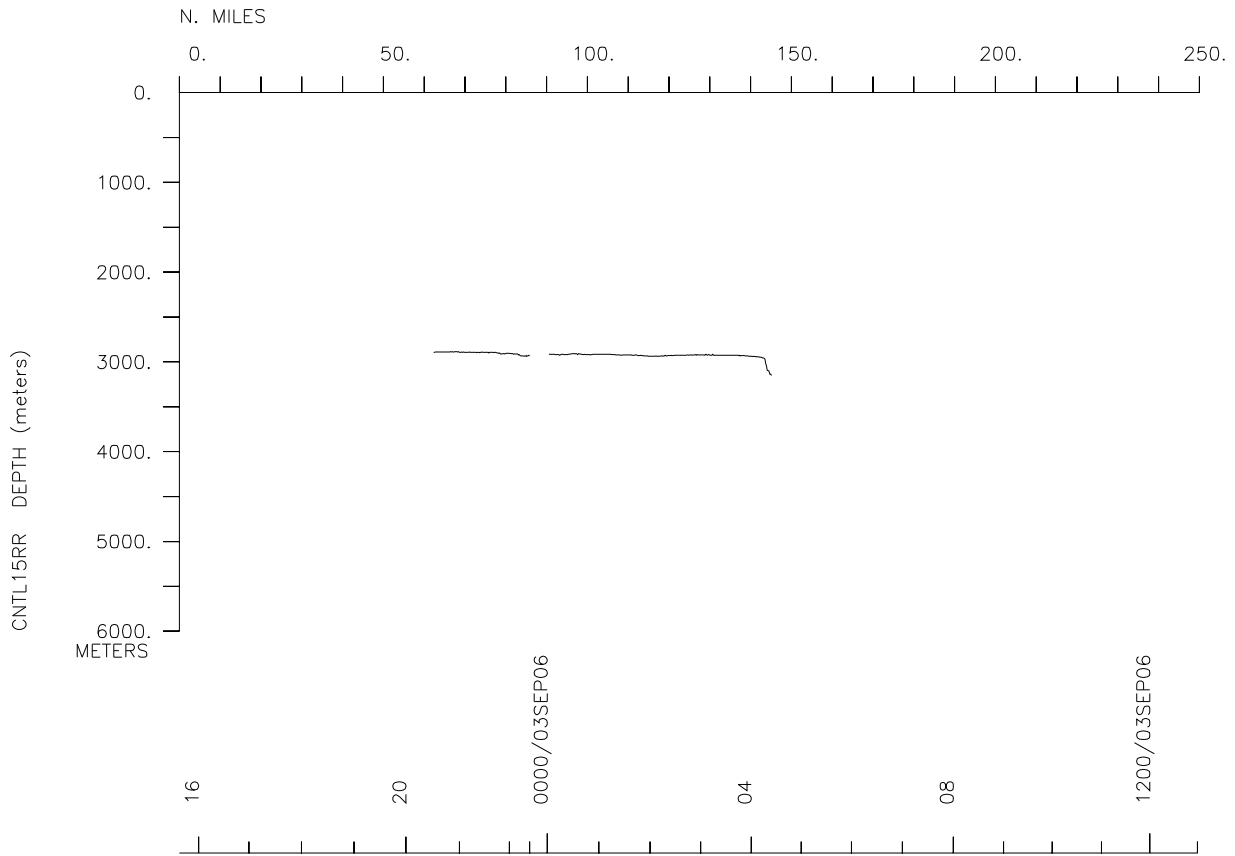
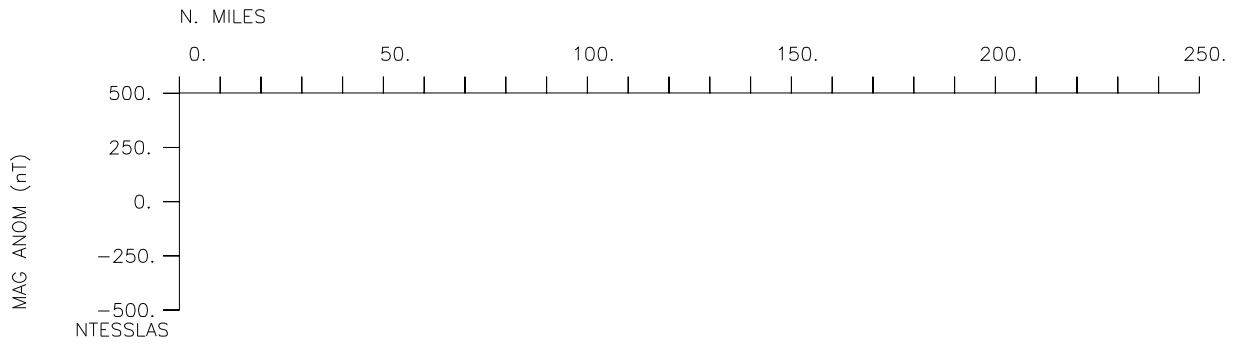
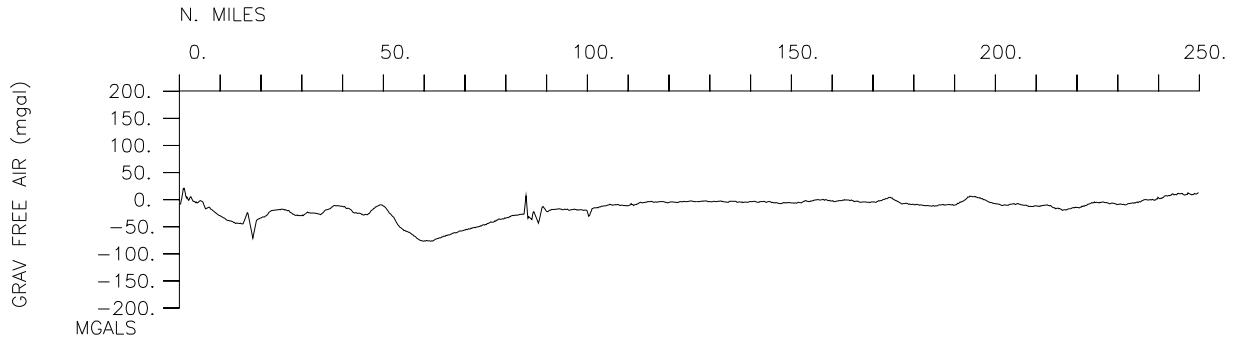
Seismic Reflection-none collected

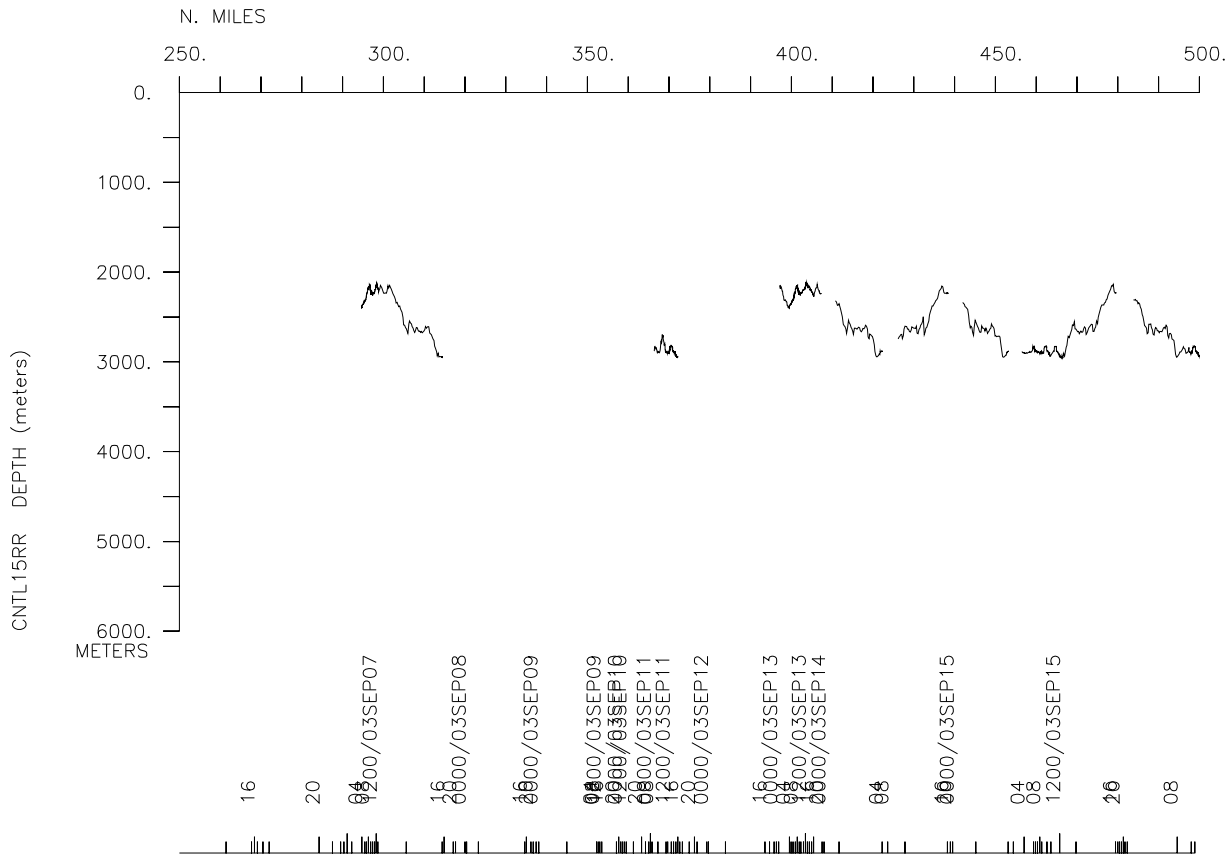
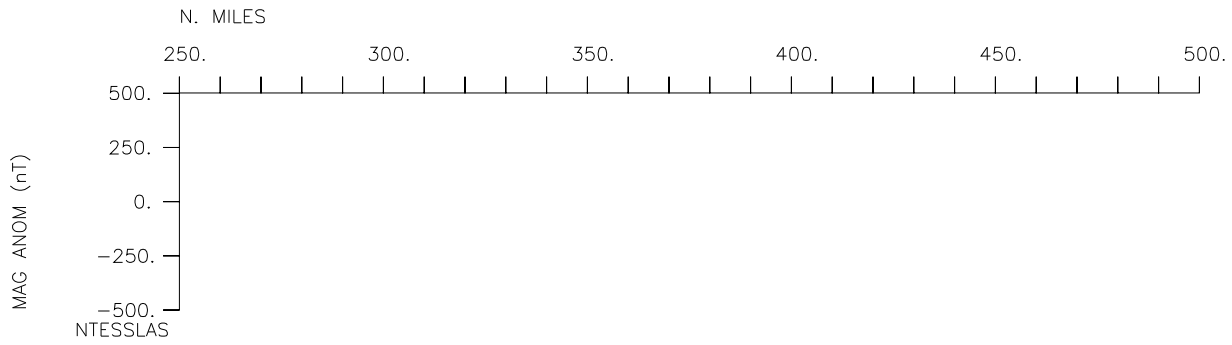
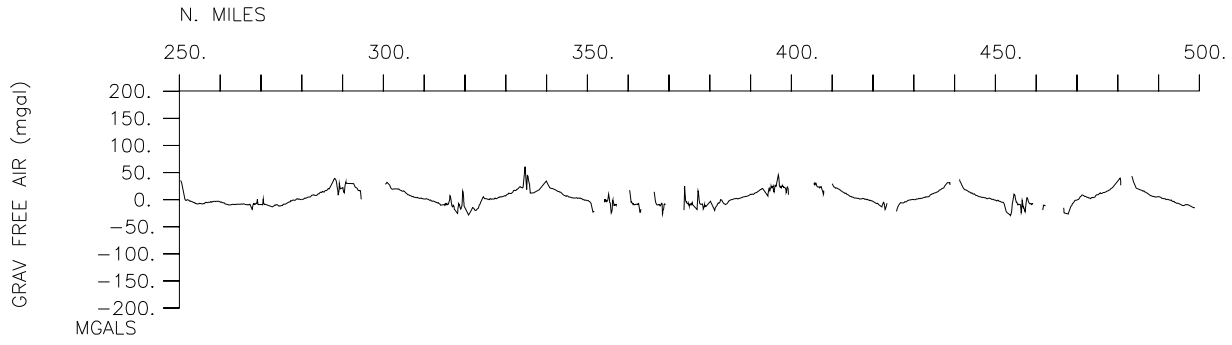
Multibeam-1147 miles

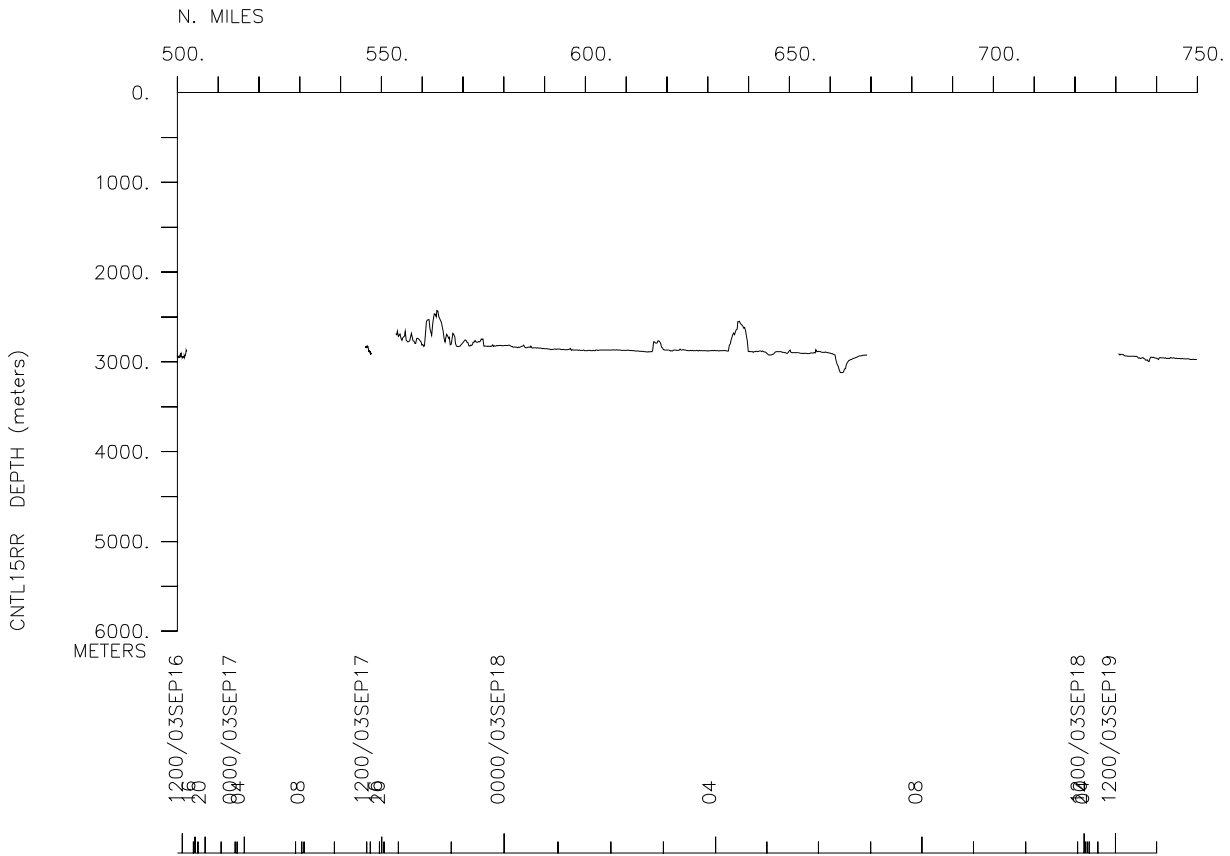
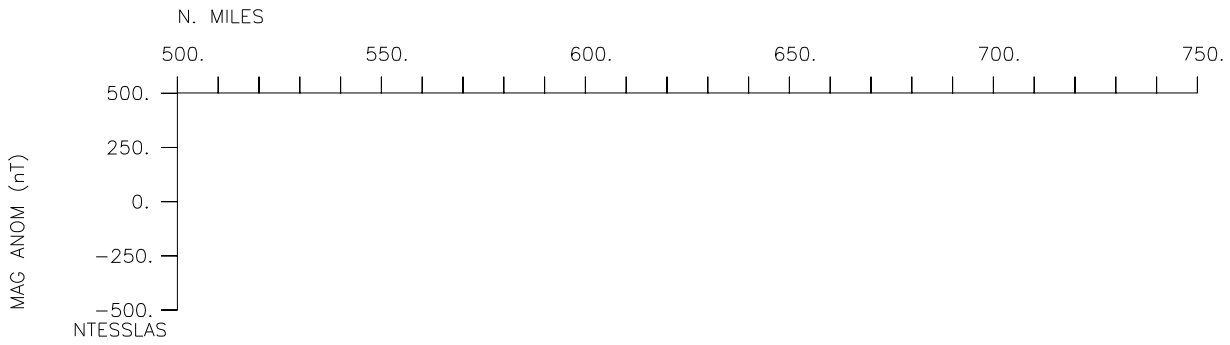
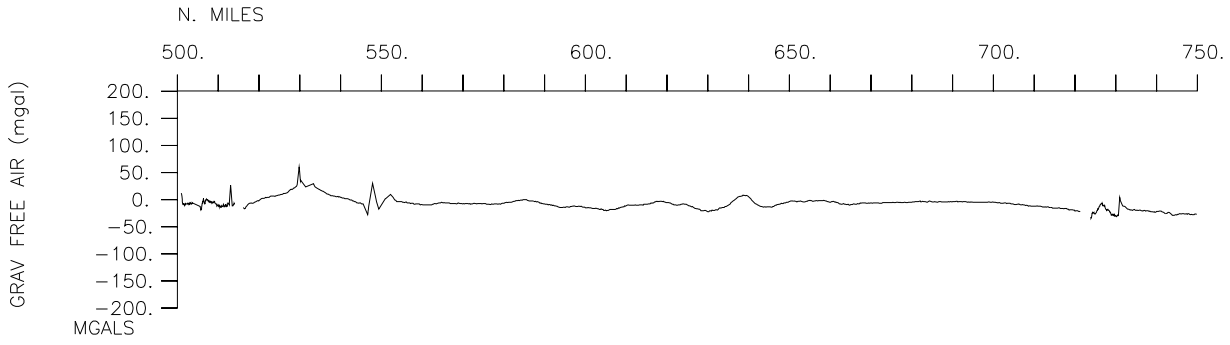
Gravity-1617 miles

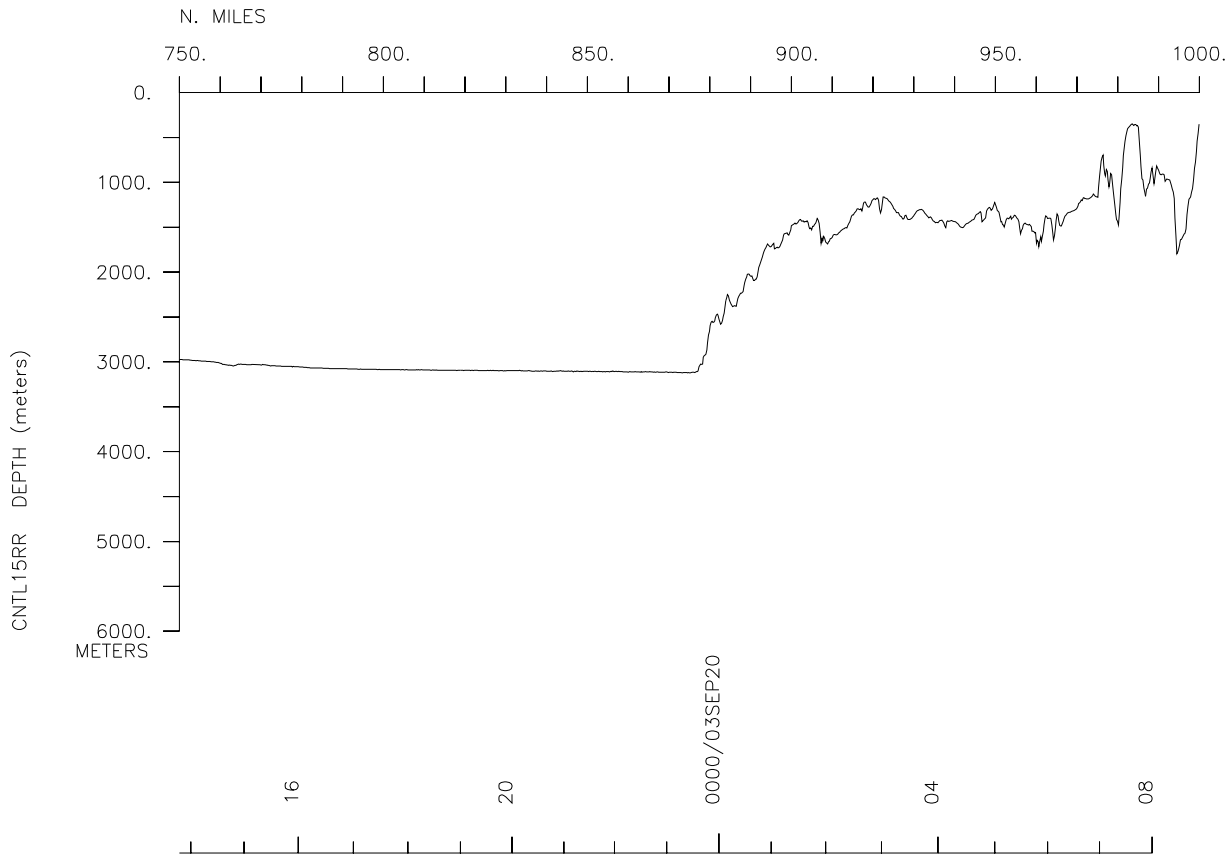
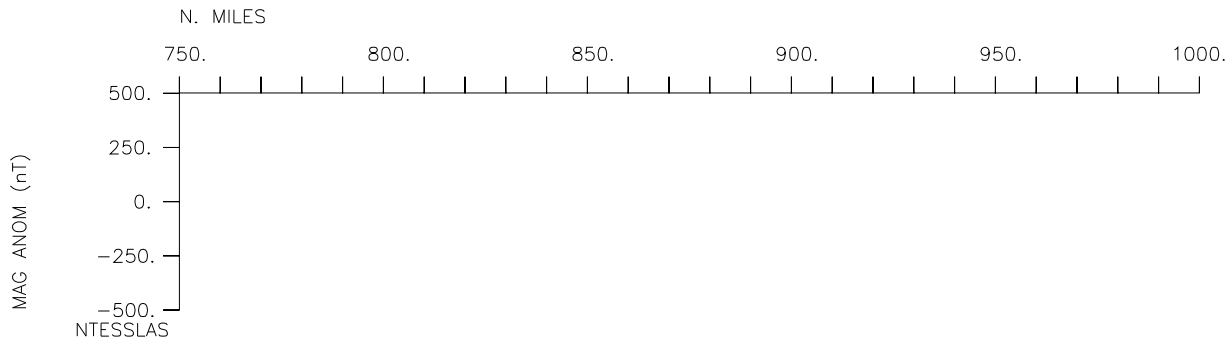
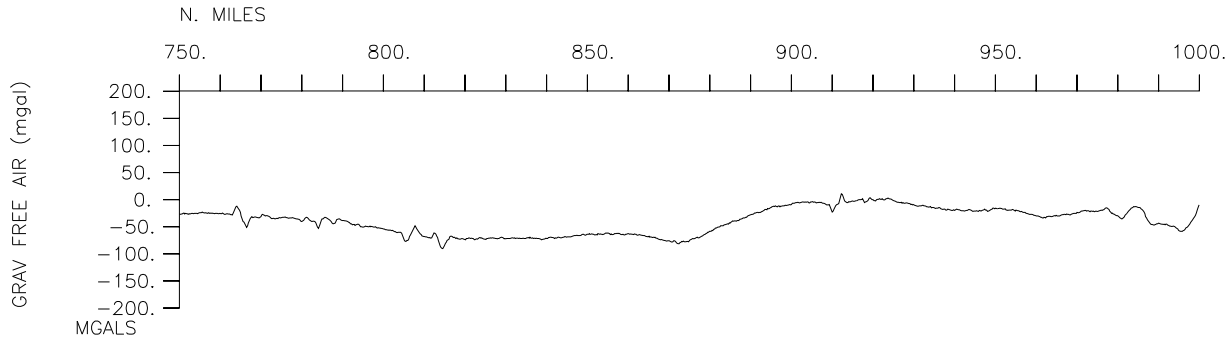
CNTL15RR

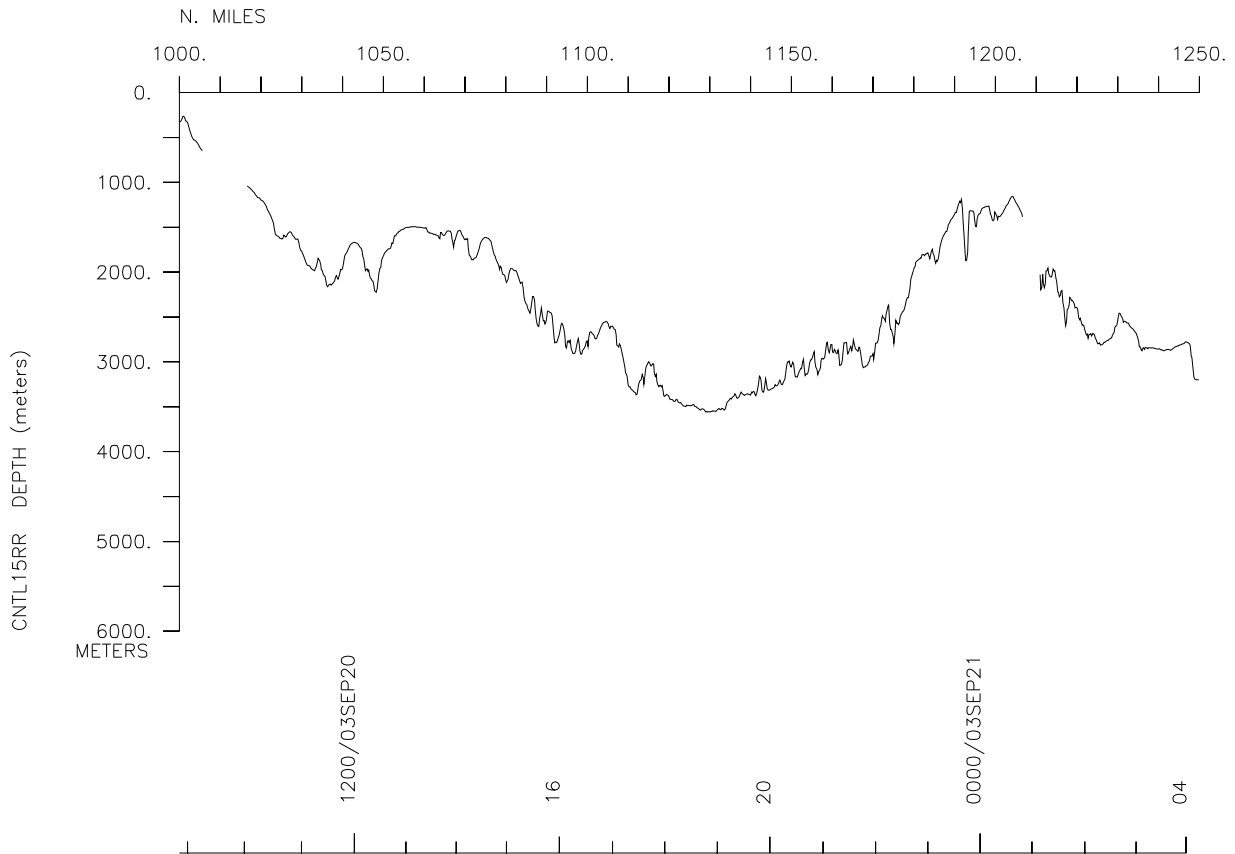
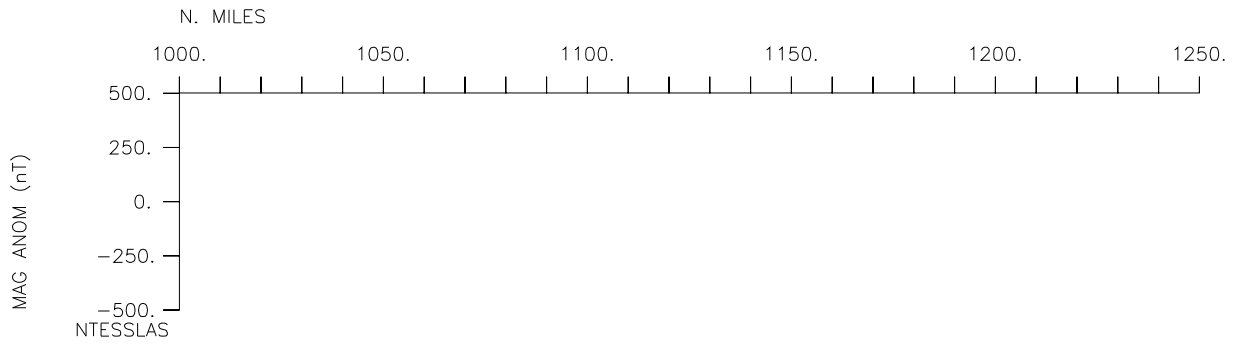
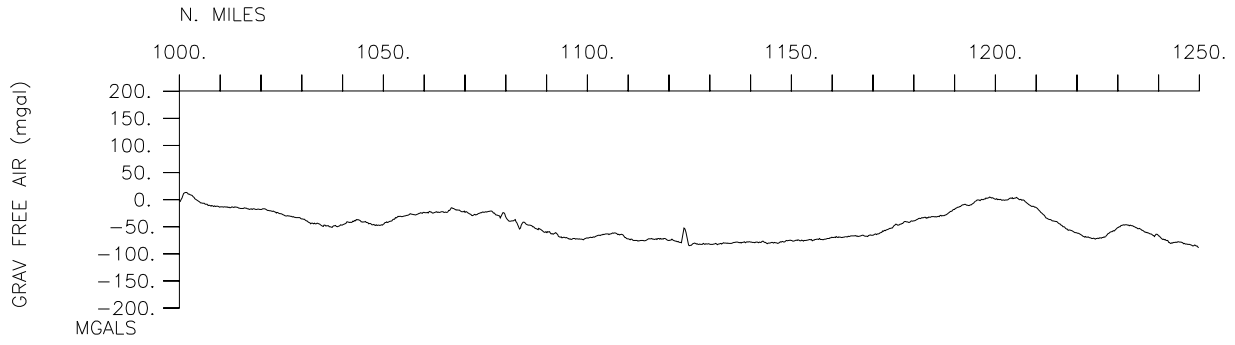


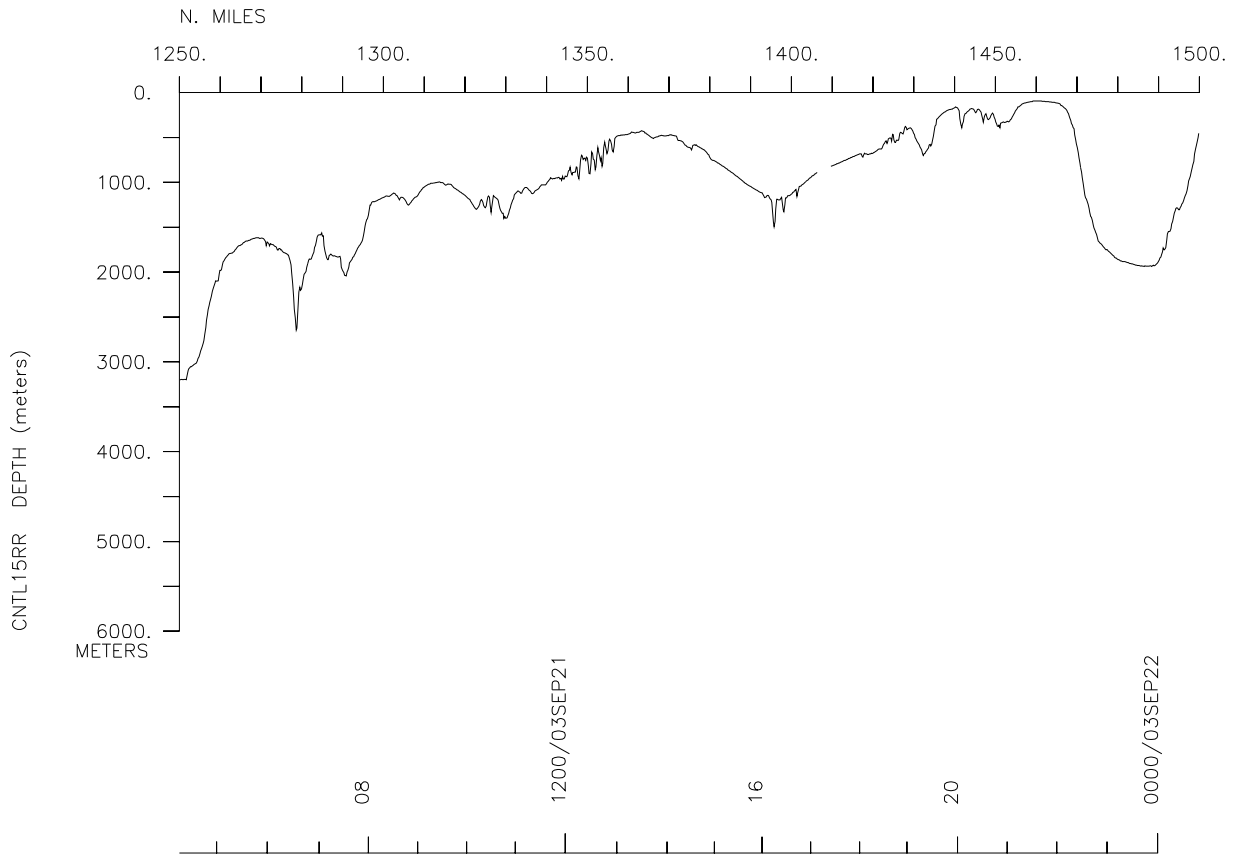
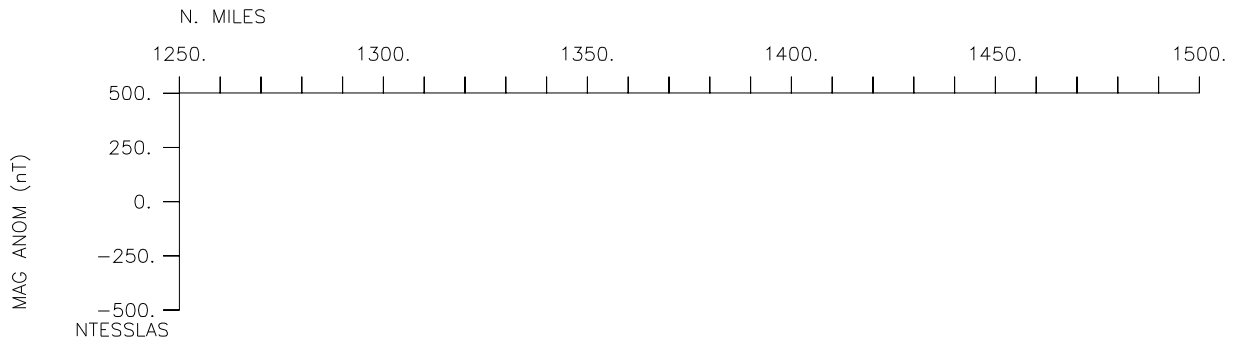
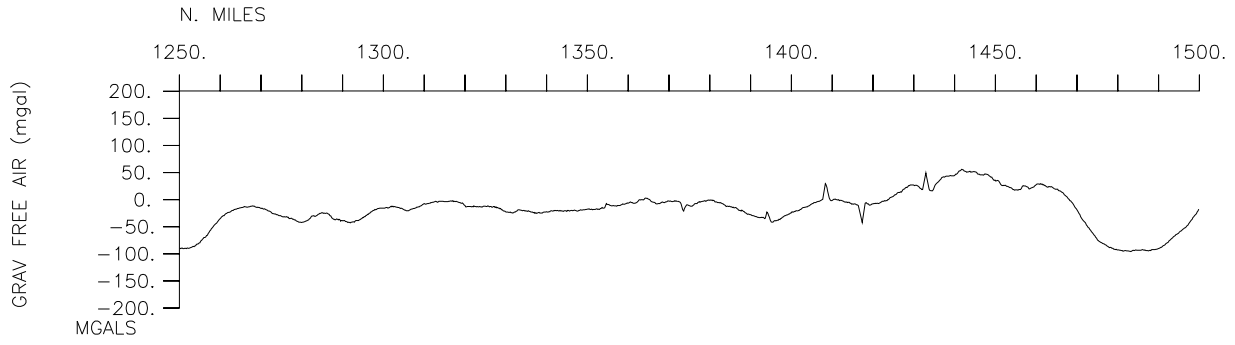


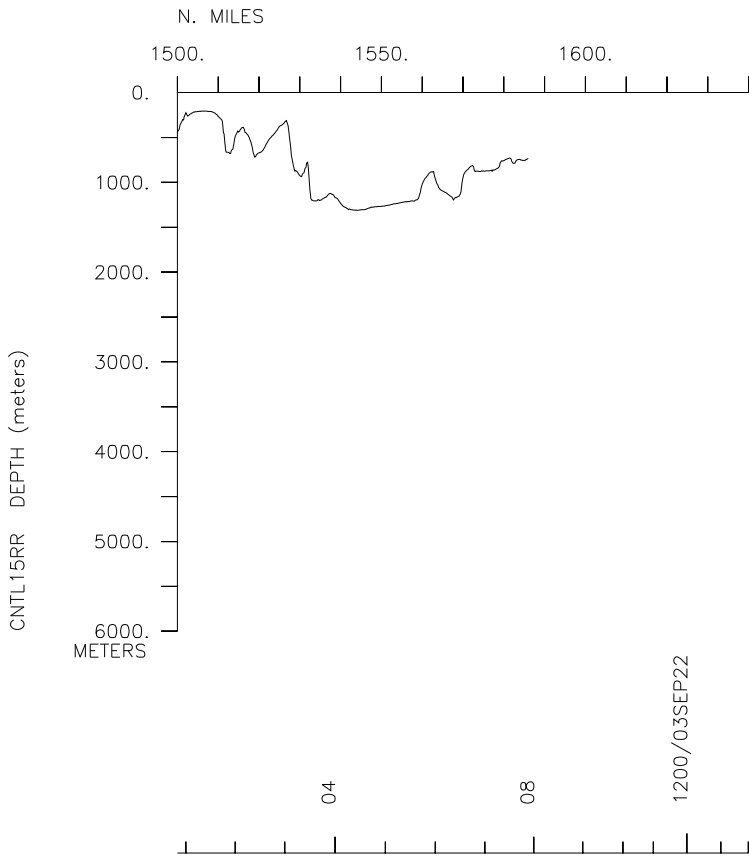
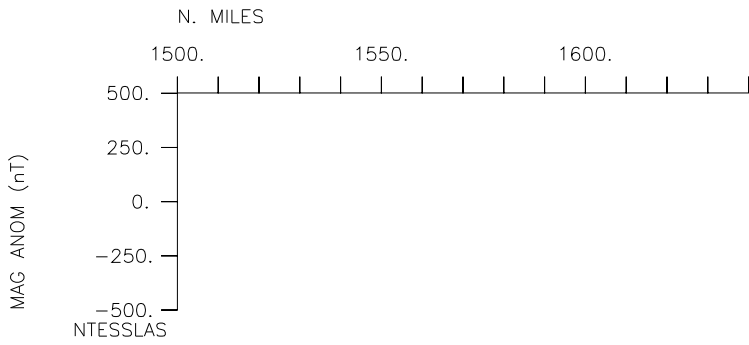
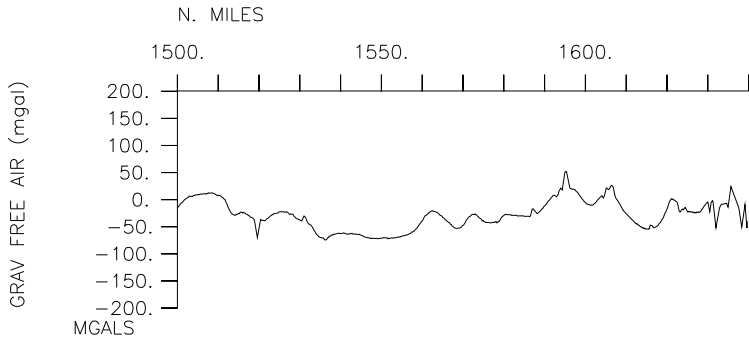












#*** Ports ***

```
0142 050903   LGPT B Newport, Oregon          44-41.00N 124-05.00W f CNTL15RR
1401 220903   LGPT E San Diego, California        32-43.00N 117-11.00W f CNTL15RR
```

#*** Personnel ***

```
# *****NAME***** *****TITLE***** *****AFFILIATION***** **CRID**
#-----

PECS MPL Chadwell, D.           Chief scientist   Scripps Institution CNTL15RR
PECS IGPP Sandwell, D.         Co-chief scientist Scripps Institution CNTL15RR
PESP MPL Zimmerman,R.         Engineer          Scripps Institution CNTL15RR
PESP MPL Price,D.             Electronics tech. Scripps Institution CNTL15RR
PESP MPL Rimington,D.         Engineer          Scripps Institution CNTL15RR
PEST MPL Kussat, N.           Grad student     Scripps Institution CNTL15RR
PEST MPL Gagnon, K.           Grad student     Scripps Institution CNTL15RR
PEST IGPP Thomsen,Bb.         Grad student     Scripps Institution CNTL15RR
PESP SIX Johansen, A.        Scientist        Central Washington  CNTL15RR
PEST SIX Key, J.              Grad student     Central Washington  CNTL15RR
PEVL UCSD Langford,A.         Volunteer        U. of CA. San Diego CNTL15RR
PEVL UCSD Franklin, D.        Volunteer        U. of CA. San Diego CNTL15RR
PEVL UCSD Darling, R.         Volunteer        U. of CA. San Diego CNTL15RR
PERT STS Ingstrom, T.         Resident tech.   Scripps Institution CNTL15RR
PECT STS Davis, G.            Computer tech.   Scripps Institution CNTL15RR
```

#*** 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 ***
```

#*** MultiBeam Data (SIMRAD EM120) ***

```
2031 050903   0 MBSI B SIMRAD data          GDC 44-37.51N 124-02.04W g CNTL15RR
0753 220903   0 MBSI E SIMRAD data          GDC 32-41.93N 117-09.52W g CNTL15RR
```

#*** SIMRAD Surveys ***

```
0200 050903   0 MBSI B SIMRAD survey        MPL 44-37.51N 124-02.04W g CNTL15RR
1812 220903   0 MBSI E SIMRAD survey        MPL 32-41.93N 117-09.52W g CNTL15RR

0350 060903   0 MBSI B SIMRAD survey        IGP 44-29.99N 127-08.64W g CNTL15RR
1320 070903   0 MBSI E SIMRAD survey        IGP 44-39.07N 130-23.94W g CNTL15RR

0347 130903   0 MBSI B SIMRAD survey        IGP 44-38.56N 130-18.18W g CNTL15RR
1609 130903   0 MBSI E SIMRAD survey        IGP 44-41.48N 130-23.25W g CNTL15RR

0348 150903   0 MBSI B SIMRAD survey        IGP 44-42.74N 130-00.49W g CNTL15RR
0428 150903   0 MBSI E SIMRAD survey        IGP 44-41.98N 130-01.02W g CNTL15RR

0818 160903   0 MBSI B SIMRAD survey        IGP 44-42.71N 130-00.34W g CNTL15RR
1154 160903   0 MBSI E SIMRAD survey        IGP 44-43.80N 130-04.43W g CNTL15RR

1942 160903   0 MBSI B SIMRAD survey        IGP 44-44.43N 130-01.19W g CNTL15RR
2130 160903   0 MBSI E SIMRAD survey        IGP 44-44.41N 130-01.33W g CNTL15RR
```

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	---	-----	-----	-----	-----	-----	-----	-----	---	-----
#*** Digital Gravity ***										
0142	050903	0	GVDD	B digital gravity	GDC	44-37.51N	124-02.04W	g		CNTL15RR
1401	220903	0	GVDD	E digital gravity	GDC	32-41.93N	117-09.52W	g		CNTL15RR
#*** Integrated Meteorological Acquisition System ***										
0142	050903	0	IMET	B weather measurements	GDC	44-37.51N	124-02.04W	g		CNTL15RR
1401	220903	0	IMET	E weather measurements	GDC	32-41.93N	117-09.52W	g		CNTL15RR
#*** Acoustic Doppler Current Profiler ***										
0142	050903	0	ADCP	B current measurements	GDC	44-37.51N	124-02.04W	g		CNTL15RR
1401	220903	0	ADCP	E current measurements	GDC	32-41.93N	117-09.52W	g		CNTL15RR
#*** Conductivity, Temperature, Depth ***										
0202	120903	0	TDCT	B ctd yo-yo #001-007	MPL	44-42.76N	130-02.60W	g		CNTL15RR
1320	120903	0	TDCT	E ctd yo-yo	MPL	44-42.76N	130-02.60W	g		CNTL15RR
0314	140903	0	TDCT	B ctd #008	MPL	44-42.76N	130-02.60W	g		CNTL15RR
0457	140903	0	TDCT	E ctd	MPL	44-42.86N	130-02.63W	g		CNTL15RR
0548	140903	0	TDCT	B ctd yo-yo #009-012	MPL	44-42.76N	130-02.60W	g		CNTL15RR
1252	140903	0	TDCT	E ctd yo-yo	MPL	44-42.76N	130-02.60W	g		CNTL15RR
1140	180903	0	TDCT	B ctd yo-yo	MPL	44-38.41N	126-00.40W	g		CNTL15RR
0938	190903	0	TDCT	E ctd yo-yo	MPL	44-38.44N	126-00.41W	g		CNTL15RR
#*** Air Sample ***										
0142	050903	0	ASCS	B Contin. air sample	SIX	44-37.51N	124-02.04W	g		CNTL15RR
1401	220903	0	ASCS	E Contin. air sample	SIX	32-41.93N	117-09.52W	g		CNTL15RR
#*** Hydrophones ***										
1531	100903	0	ACXX	B Hydrophone	MPL	44-42.75N	130-02.61W	g		CNTL15RR
1710	100903	0	ACXX	E Hydrophone	MPL	44-42.75N	130-02.61W	g		CNTL15RR
1918	140903	0	ACXX	B Hydrophone	MPL	44-40.10N	130-21.50W	g		CNTL15RR
0030	150903	0	ACXX	E Hydrophone	MPL	44-39.98N	130-21.39W	g		CNTL15RR
1403	150903	0	ACXX	B Hydrophone	MPL	44-39.86N	130-21.30W	g		CNTL15RR
2150	150903	0	ACXX	E Hydrophone	MPL	44-40.31N	130-21.59W	g		CNTL15RR
0650	170903	0	ACXX	B Hydrophone	MPL	44-40.04N	130-21.73W	g		CNTL15RR
0922	170903	0	ACXX	E Hydrophone	MPL	44-39.96N	130-21.37W	g		CNTL15RR

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

*** Tide Gauges ***

1524	080903	0	CMTG	B Tide gauge	MPL	44-40.02N	130-21.89W	g		CNTL15RR
1527	080903	0	CMTG	E Test	MPL	44-40.01N	130-21.88W	g		CNTL15RR
1537	080903	0	CMTG	B Tide gauge	MPL	44-40.00N	130-22.04W	g		CNTL15RR
0632	170903	0	CMTG	E Tide gauge on deck	MPL	44-40.00N	130-21.93W	g		CNTL15RR

*** Transponders with Controlled Vehicles ***

2010	070903	0	NVCV	B cv & transponder e-6	MPL	44-43.46N	130-00.62W	g		CNTL15RR
2201	070903	0	NVCV	E cv on deck	MPL	44-43.46N	130-00.62W	g		CNTL15RR
1659	080903	0	NVCV	B cv & pogo package	MPL	44-40.27N	130-21.17W	g		CNTL15RR
0116	090903	0	NVCV	E cv & pogo package	MPL	44-40.40N	130-21.69W	g		CNTL15RR
0115	130903	0	NVCV	B cv & tripod dpxp #4	MPL	44-39.92N	130-21.36W	g		CNTL15RR
0243	130903	0	NVCV	E cv on deck	MPL	44-39.91N	130-21.38W	g		CNTL15RR
1904	130903	0	NVCV	B cv & tripod dpxp #3	MPL	44-40.29N	130-21.18W	g		CNTL15RR
2023	130903	0	NVCV	E cv on deck	MPL	44-40.29N	130-21.17W	g		CNTL15RR
2257	130903	0	NVCV	B cv & tripod dpxp #2	MPL	44-40.36N	130-21.64W	g		CNTL15RR
0032	140903	0	NVCV	E cv on deck	MPL	44-40.36N	130-21.64W	g		CNTL15RR
1707	140903	0	NVCV	B cv & tripod dpxp #1	MPL	44-40.05N	130-21.81W	g		CNTL15RR
1817	140903	0	NVCV	E cv on deck	MPL	44-40.05N	130-21.82W	g		CNTL15RR
0050	160903	0	NVCV	B cv tripod w/hook #1	MPL	44-40.31N	130-21.45W	g		CNTL15RR
0157	160903	0	NVCV	E cv on deck	MPL	44-40.31N	130-21.45W	g		CNTL15RR
1655	160903	0	NVCV	B cv & transponder fido	MPL	44-43.48N	130-00.60W	g		CNTL15RR
1814	170903	0	NVCV	E cv & transponder fido	MPL	44-43.45N	130-00.73W	g		CNTL15RR
1741	160903	0	NVCV	B cv & fido & e4	MPL	44-43.47N	130-00.60W	g		CNTL15RR
1928	160903	0	NVCV	E cv on deck	MPL	44-44.13N	130-00.99W	g		CNTL15RR
2215	160903	0	NVCV	B cv & pogo package	MPL	44-43.47N	130-00.61W	g		CNTL15RR
0333	170903	0	NVCV	E pogo on deck	MPL	44-43.45N	130-00.58W	g		CNTL15RR
1655	170903	0	NVCV	B cv w/ hook & fido	MPL	44-43.44N	130-00.61W	g		CNTL15RR
1814	170903	0	NVCV	E cv & transponder fido	MPL	44-43.45N	130-00.73W	g		CNTL15RR
1959	170903	0	NVCV	B cv w/ hook & c-7	MPL	44-43.44N	130-00.61W	g		CNTL15RR
2118	170903	0	NVCV	E cv & transponder c-7	MPL	44-43.44N	130-00.61W	g		CNTL15RR

*** Navigation Transponders ***

2040	060903	0	NVXX	transponder npxp #1	MPL	44-39.69N	130-21.26W	g		CNTL15RR
2053	060903	0	NVXX	transponder npxp #1	MPL	44-39.68N	130-21.30W	g		CNTL15RR
2132	060903	0	NVXX	transponder npxp #2	MPL	44-40.78N	130-20.23W	g		CNTL15RR
2210	060903	0	NVXX	transponder npxp #2	MPL	44-40.62N	130-20.21W	g		CNTL15RR
2249	060903	0	NVXX	transponder npxp #2	MPL	44-40.65N	130-20.32W	g		CNTL15RR
1733	070903	0	NVXX	transponder e-6	MPL	44-43.45N	130-00.59W	g		CNTL15RR
1820	070903	0	NVCV	cv & transponder e-6	MPL	44-43.46N	130-00.62W	g		CNTL15RR
1541	080903	0	NVXX	transponder ppxp e-10	MPL	44-40.00N	130-22.12W	g		CNTL15RR
1803	100903	0	NVXX	transponder dpxp #2	MPL	44-42.75N	130-02.61W	g		CNTL15RR
1942	100903	0	NVXX	transponder dpxp #1	MPL	44-42.11N	130-00.38W	g		CNTL15RR
2030	100903	0	NVXX	transponder dpxp #2	MPL	44-42.13N	130-00.36W	g		CNTL15RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	---	-----	-----	-----	-----	-----	-----	-----	---	-----
2206	100903	0	NVXX	transponder dpxp #3	MPL	44-42.39N	130-01.56W	g		CNTL15RR
2248	100903	0	NVXX	transponder dpxp #4	MPL	44-42.53N	130-02.32W	g		CNTL15RR
1612	110903	0	NVXX	transponder dpxp #2	MPL	44-43.67N	130-03.98W	g		CNTL15RR
1648	110903	0	NVXX	transponder dpxp #4	MPL	44-43.75N	130-04.28W	g		CNTL15RR
1825	110903	0	NVXX	transponder dpxp #1	MPL	44-44.15N	130-05.51W	g		CNTL15RR
1939	110903	0	NVXX	transponder dpxp #3	MPL	44-43.75N	130-03.15W	g		CNTL15RR
2048	110903	0	NVXX	transponder dpxp #4	MPL	44-44.27N	130-03.71W	g		CNTL15RR
1827	120903	0	NVXX	transponder e-10	MPL	44-39.53N	130-21.47W	g		CNTL15RR
1526	160903	0	NVXX	transponder fido	MPL	44-43.47N	130-00.61W	g		CNTL15RR

*** Expendable Bathythermographs ***

2047	050903	0	BTXP	MK12 # 1 Fast_Deep	GDC	44-37.63N	125-33.14W	g		CNTL15RR
0408	070903	0	BTXP	MK12 # 2 Fast_Deep	GDC	44-38.57N	130-18.54W	g		CNTL15RR
0212	120903	0	BTXP	MK12 # 3 Fast_Deep	GDC	44-42.76N	130-02.60W	g		CNTL15RR
0303	120903	0	BTXP	MK12 # 4 Fast_Deep	GDC	44-39.62N	130-20.79W	g		CNTL15RR
0135	140903	0	BTXP	MK12 # 5 Fast_Deep	GDC	44-42.23N	130-03.48W	g		CNTL15RR
0228	180903	0	BTXP	MK12 # 6 Fast_Deep	GDC	44-41.84N	128-44.11W	g		CNTL15RR
1941	190903	0	BTXP	MK12 # 7 Fast_Deep	GDC	43-11.26N	125-31.83W	g		CNTL15RR
2314	200903	0	BTXP	MK12 # 8 Fast_Deep	GDC	37-28.75N	123-22.53W	g		CNTL15RR
2120	210903	0	BTXP	MK12 # 10 Fast_Deep	GDC	33-53.11N	120-13.19W	g		CNTL15RR
#				End Sample Index						CNTL15RR