

*Report and Index of  
Underway Marine Geophysical Data*

**Krusenstern Expedition**

**Leg 05**

**(KRUS05RR)**

R/V Roger Revelle

(Issued Jan 2005)

**Ports:**

Honolulu (14-Sep-04)

to

Honolulu (09-Oct-04)

**Chief Scientist:** A. Baggeroer

MIT

abb@boreas.mit.edu

Computer Tech - Barry Quiel

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#302*

## **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.

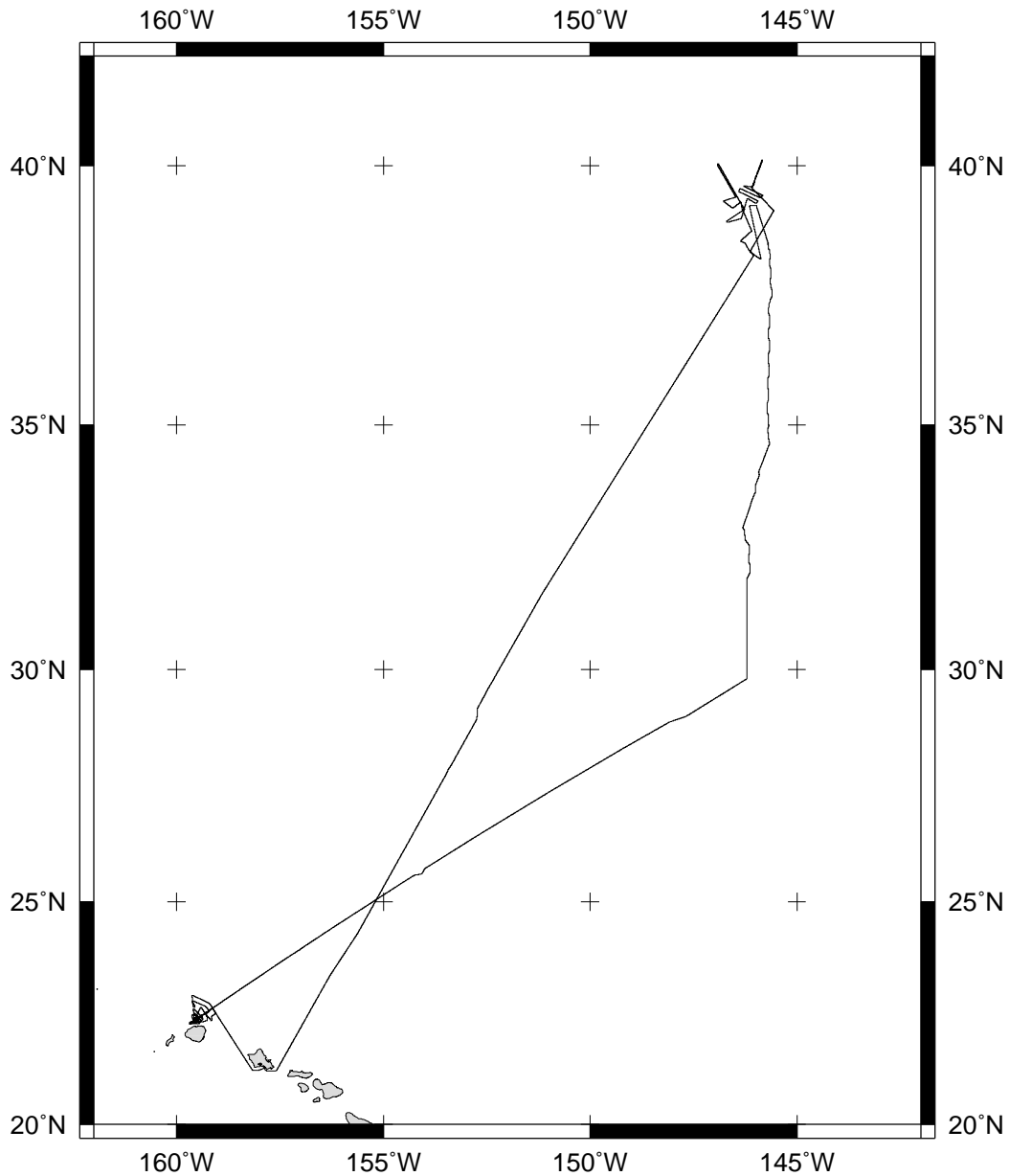
**Sample Index** - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

### **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](mailto:spmiller@ucsd.edu); or his website: <http://SIOExplorer@ucsd.edu>

Rev 05/2002



**KRUSENSTERN EXPEDITION LEG 5 (KRUS05RR)**

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**CHIEF SCIENTIST: Arthur Baggeroer, Mass. Inst. of Technology**

**PORTS: Honolulu - Honolulu, Hawaii**

**DATES: 14 September - 9 October 2004**

**SHIP: R/V Revelle**

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

**Cruise-3858 miles**

**Magnetics-none collected**

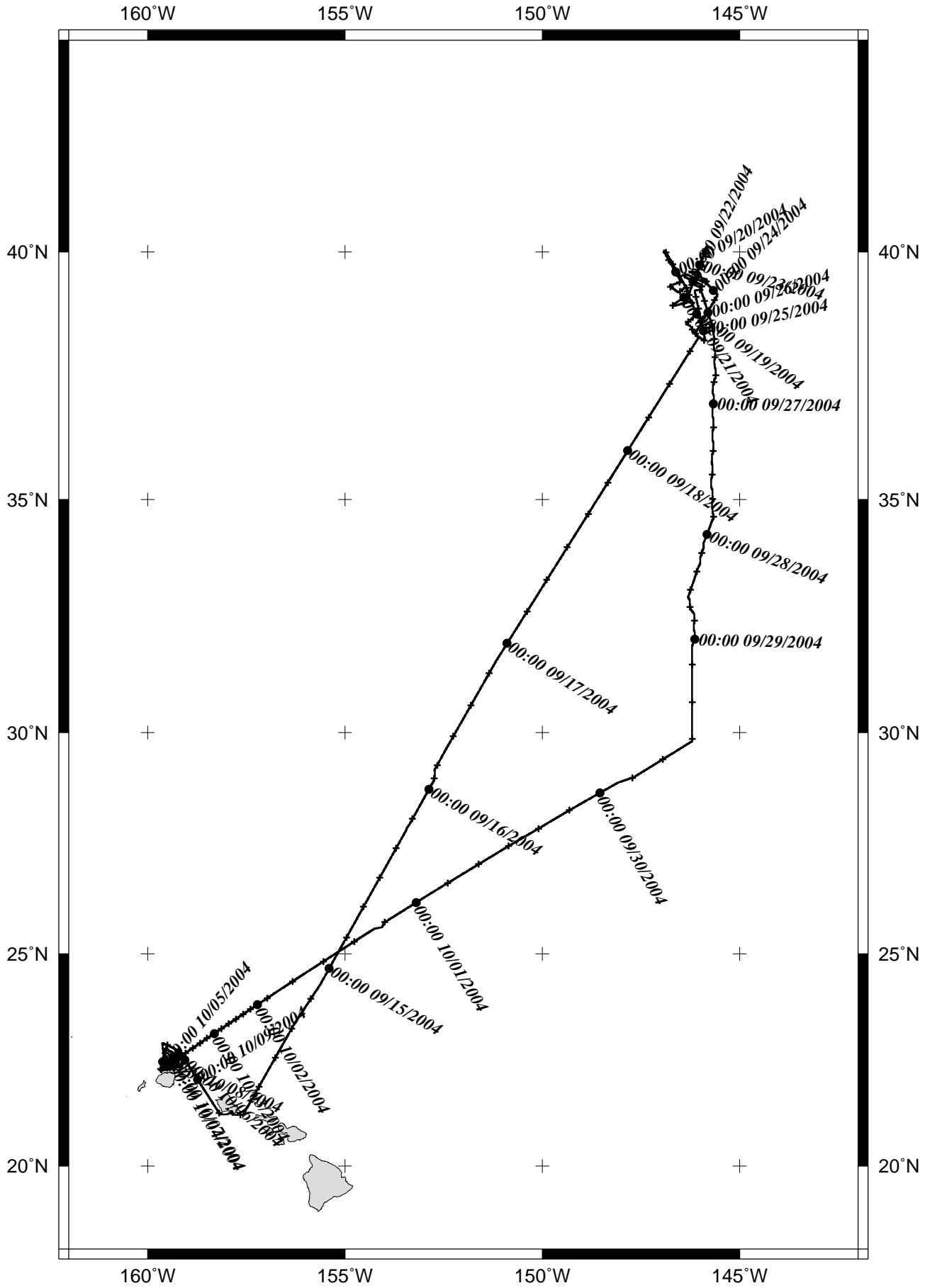
**Bathymetry-3717 miles**

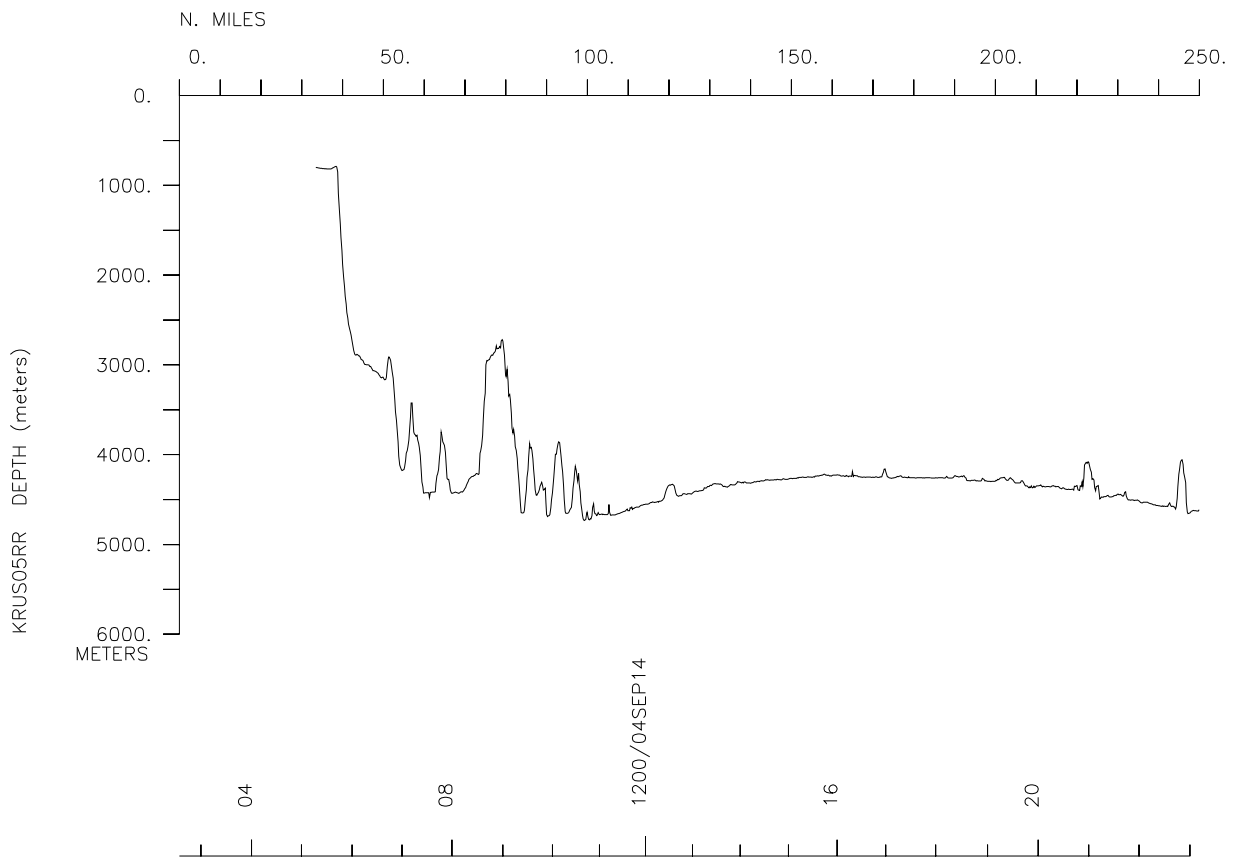
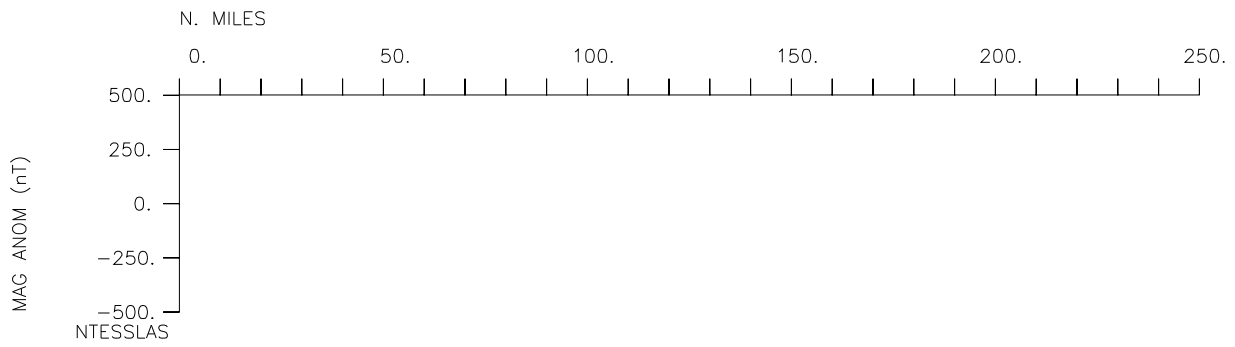
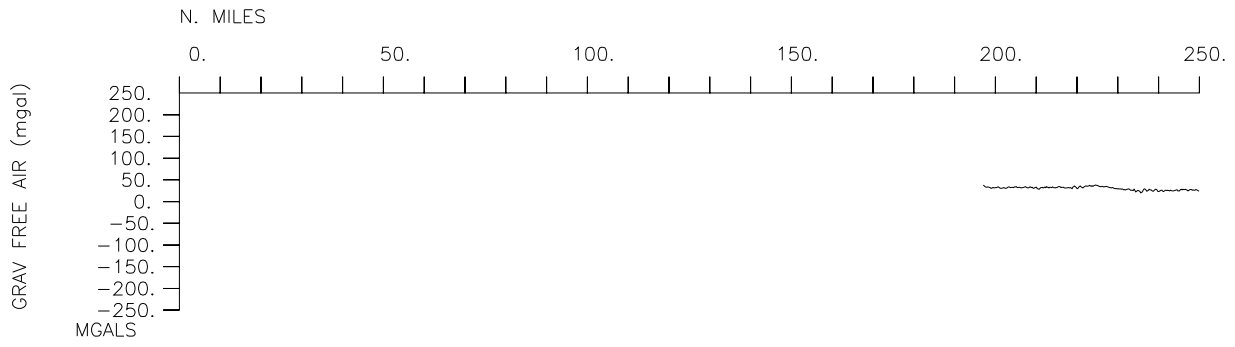
**Seismic Reflection-none collected**

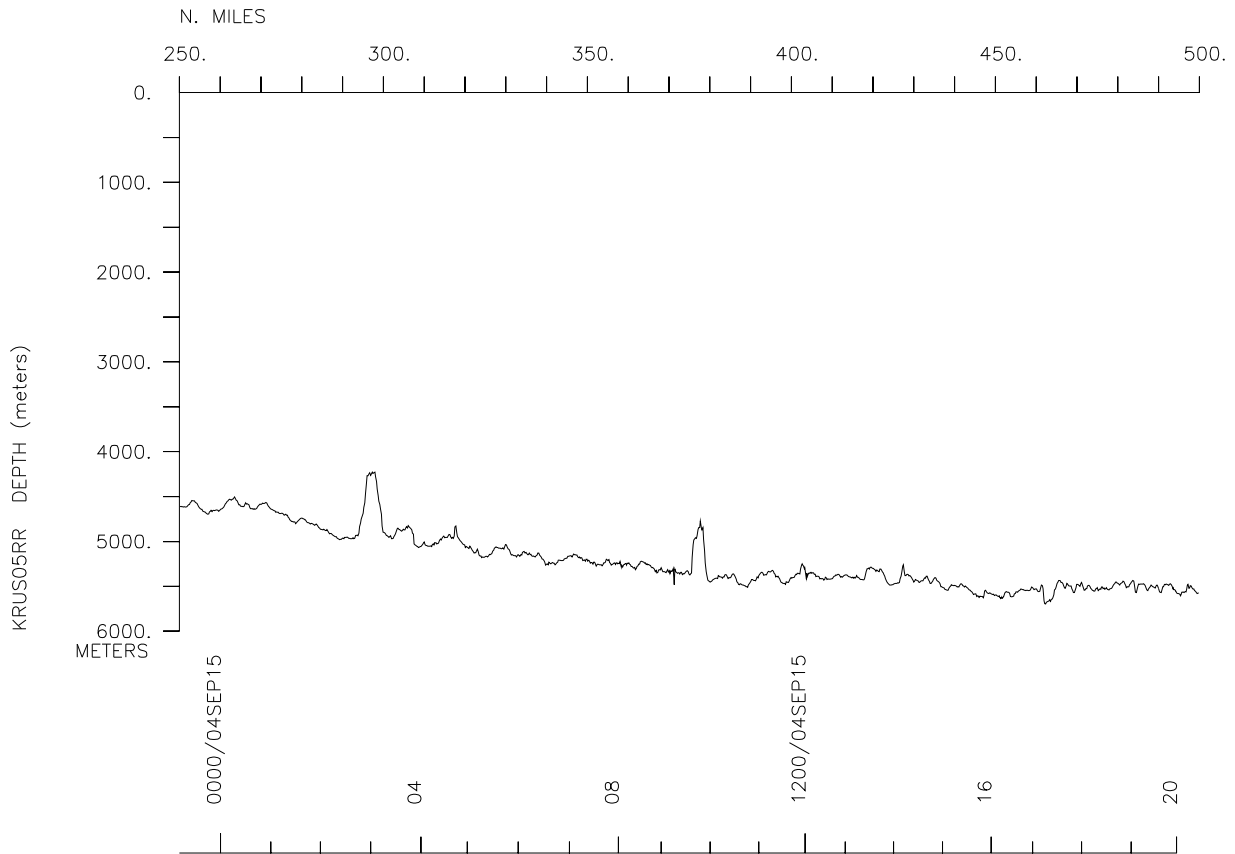
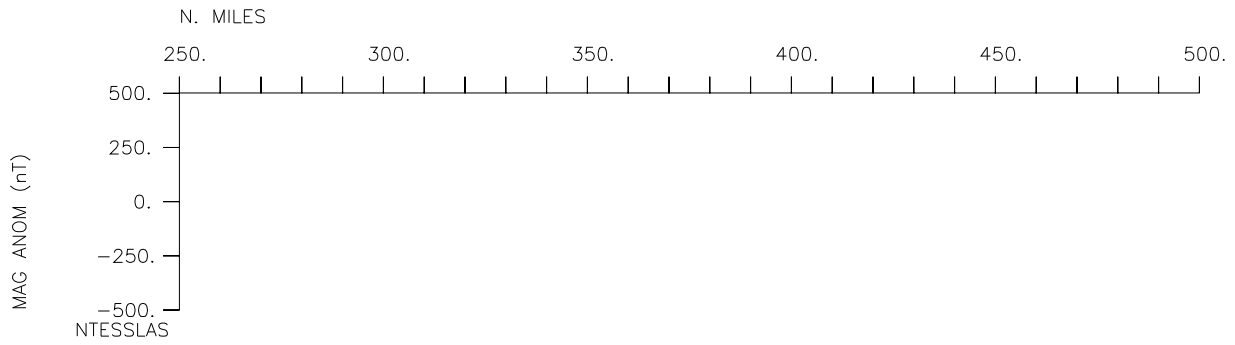
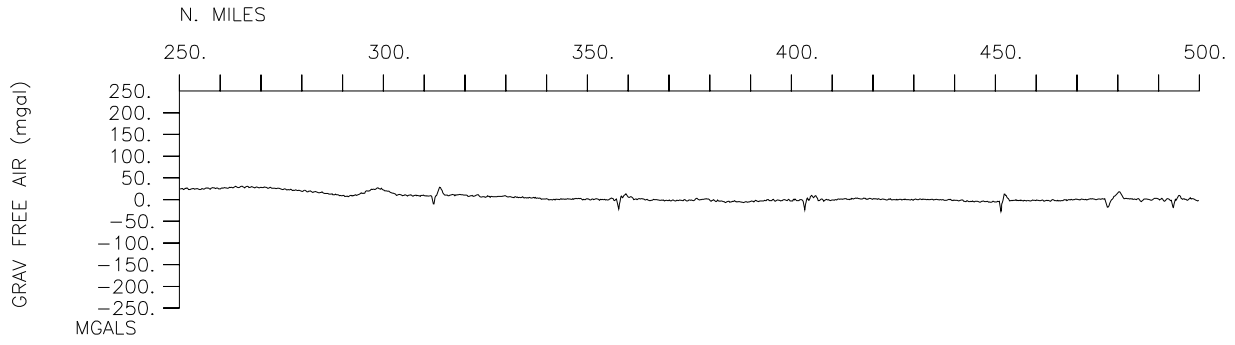
**Multibeam-3717 miles**

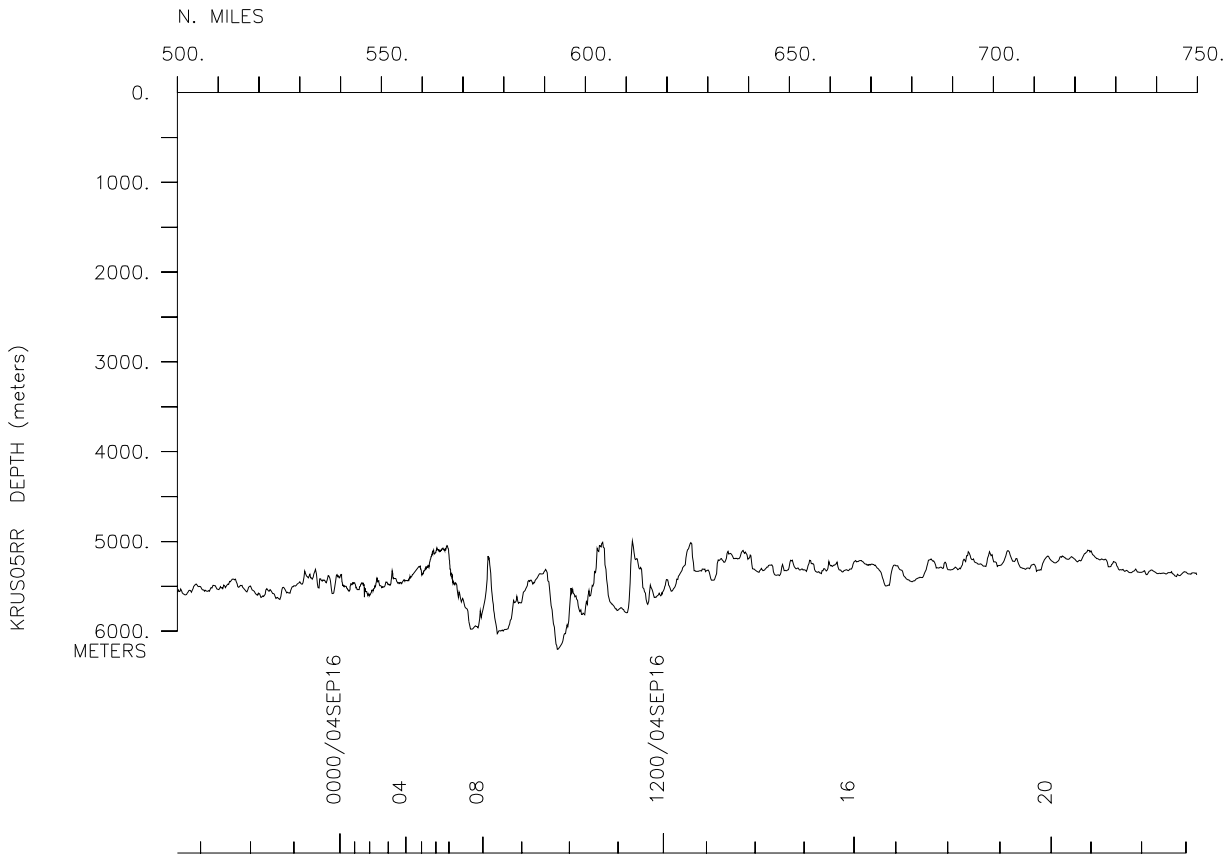
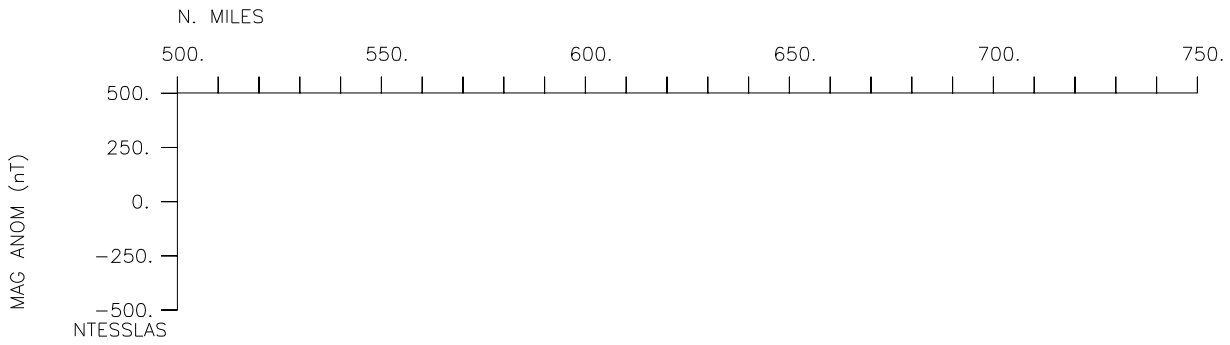
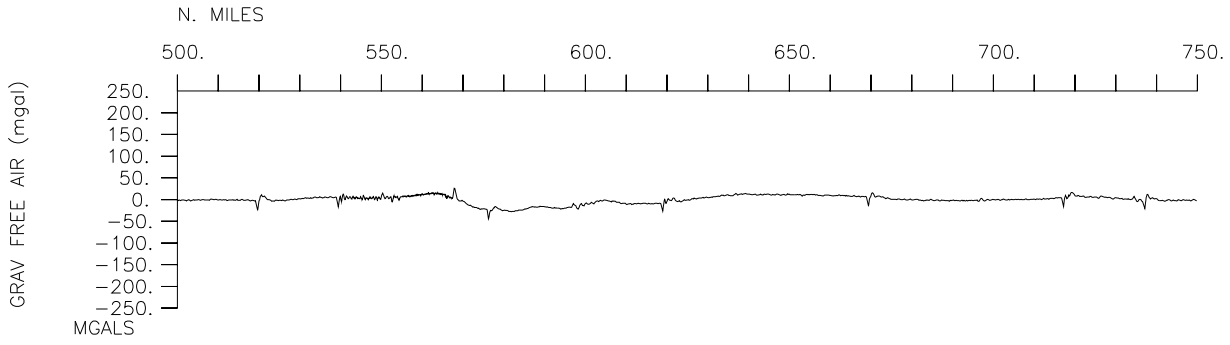
**Gravity-3660 miles**

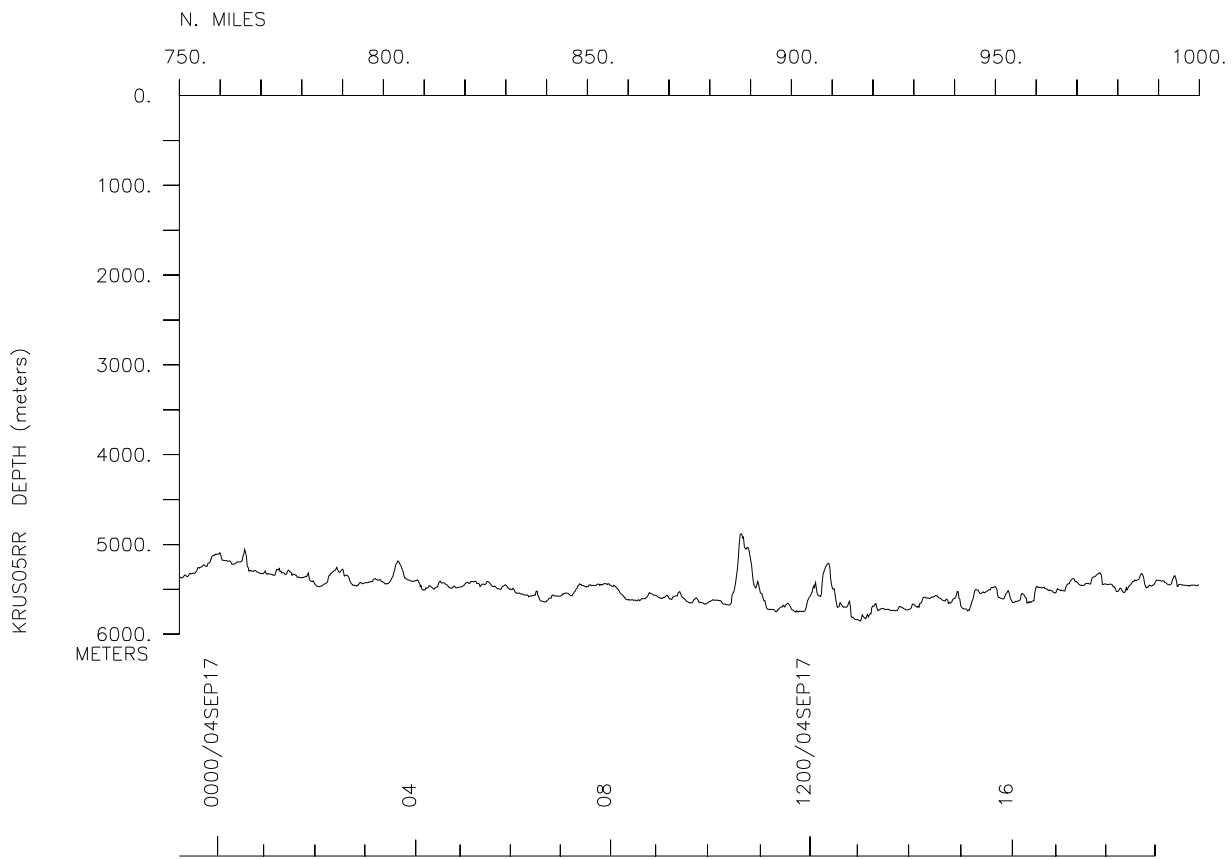
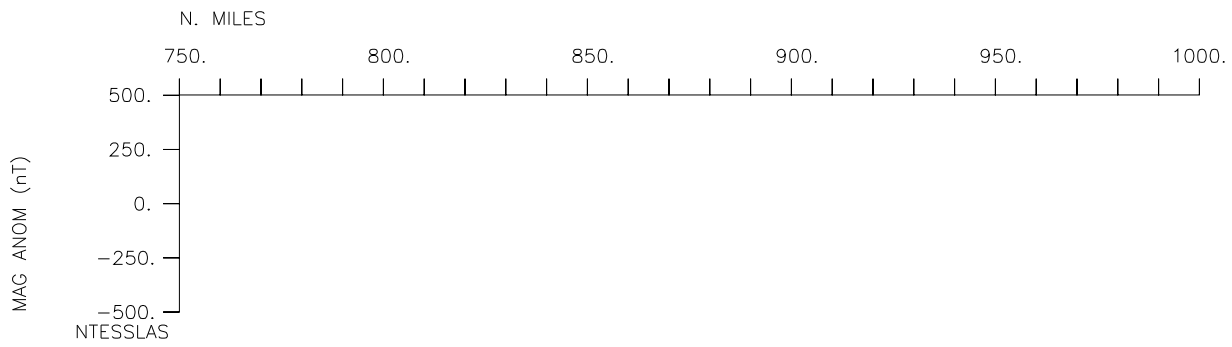
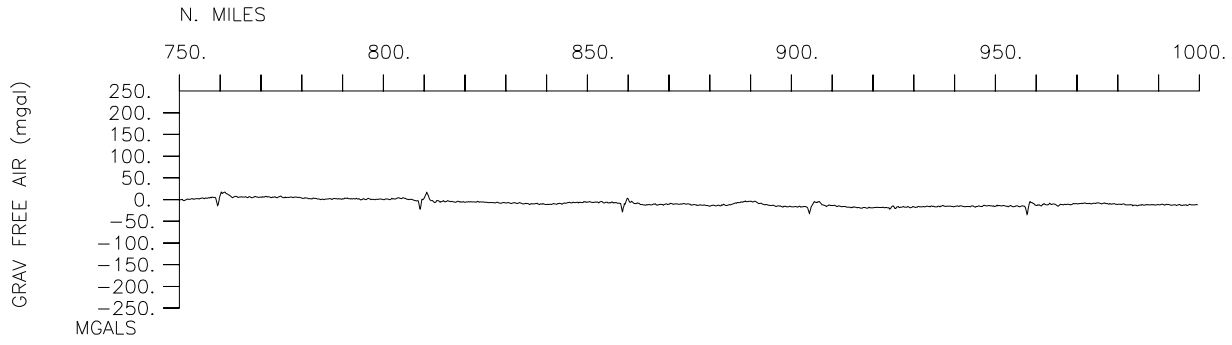
# KRUS05RR



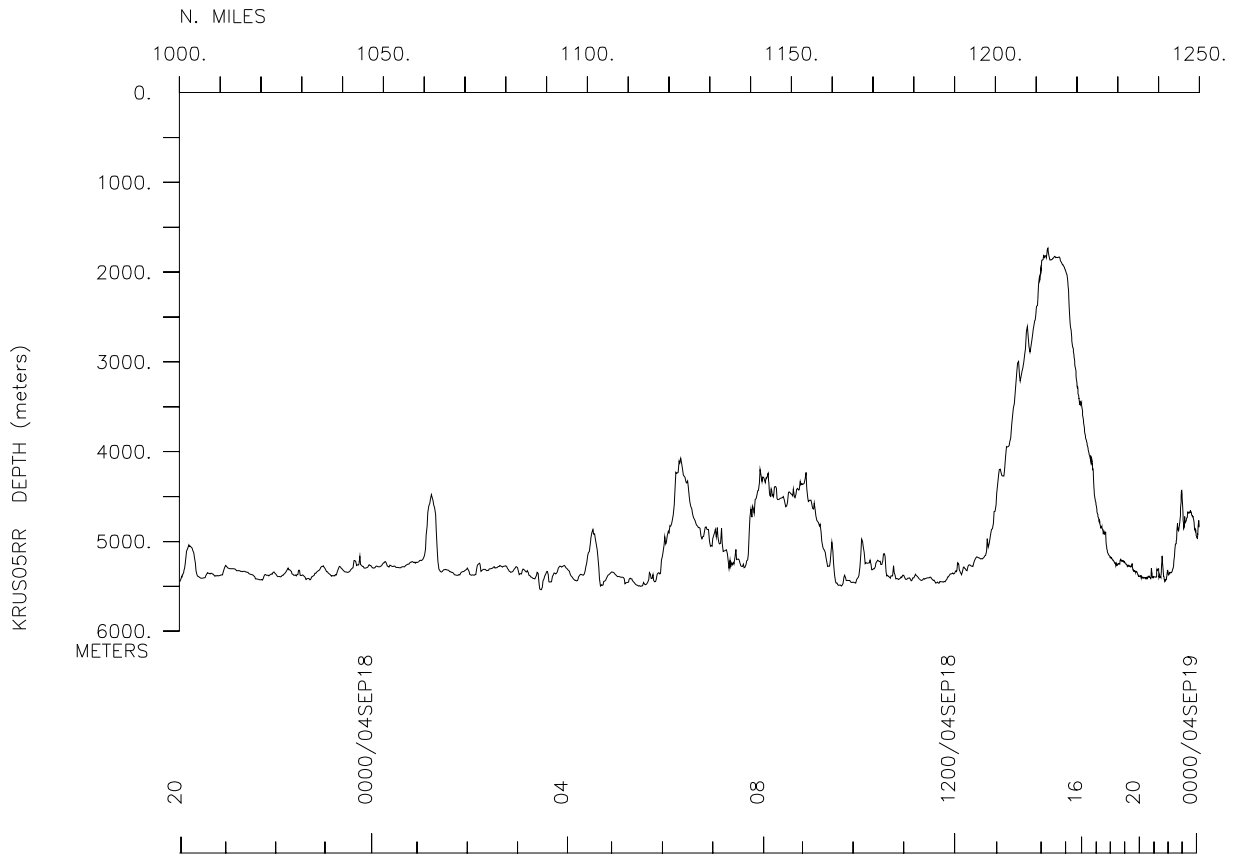
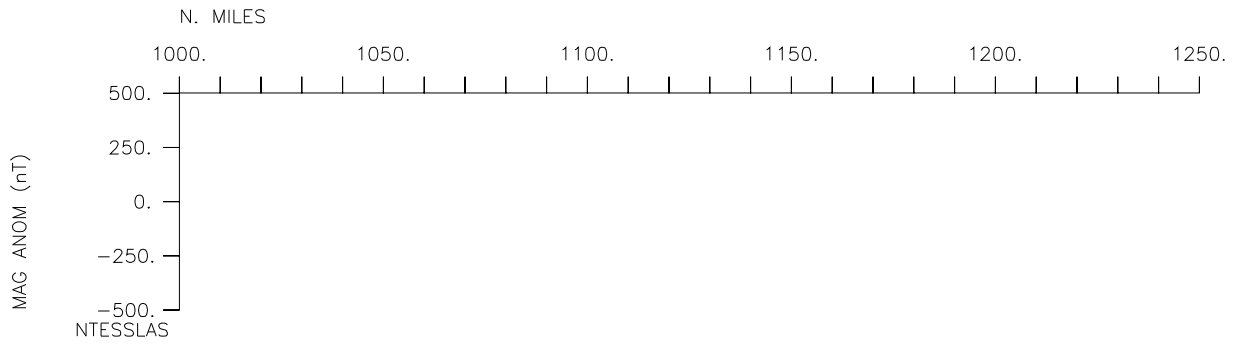
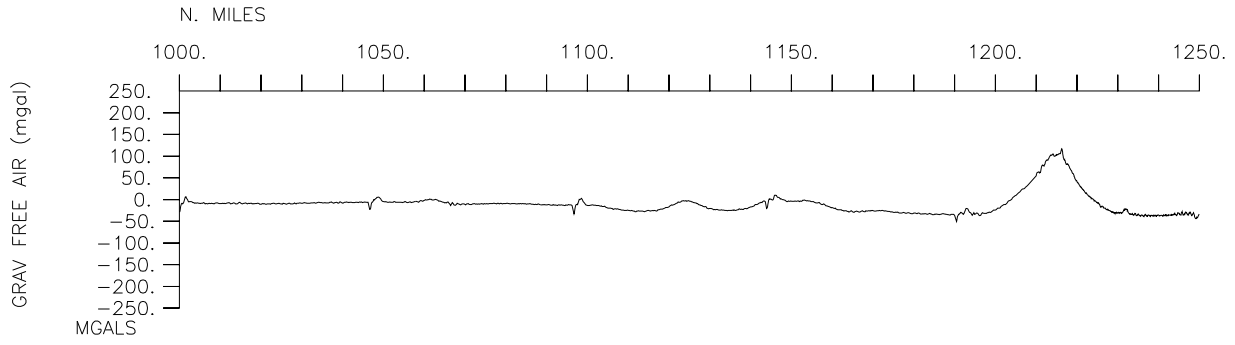


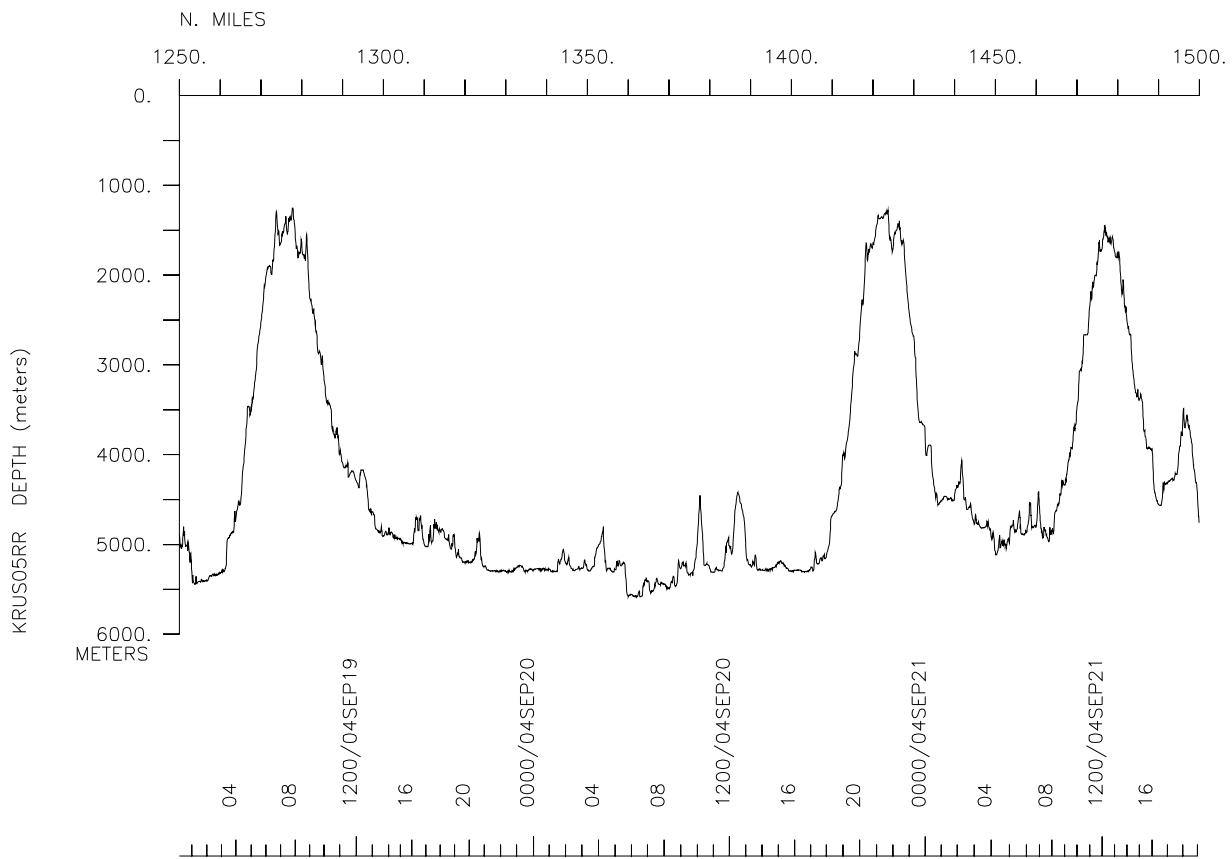
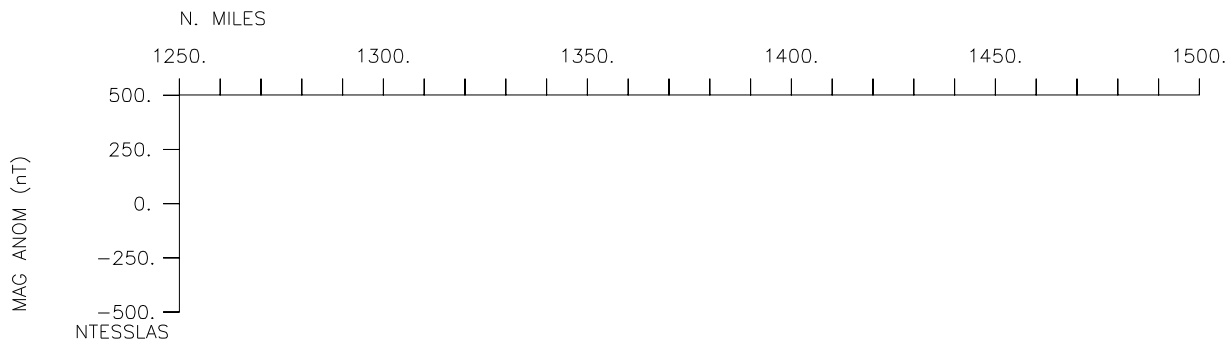
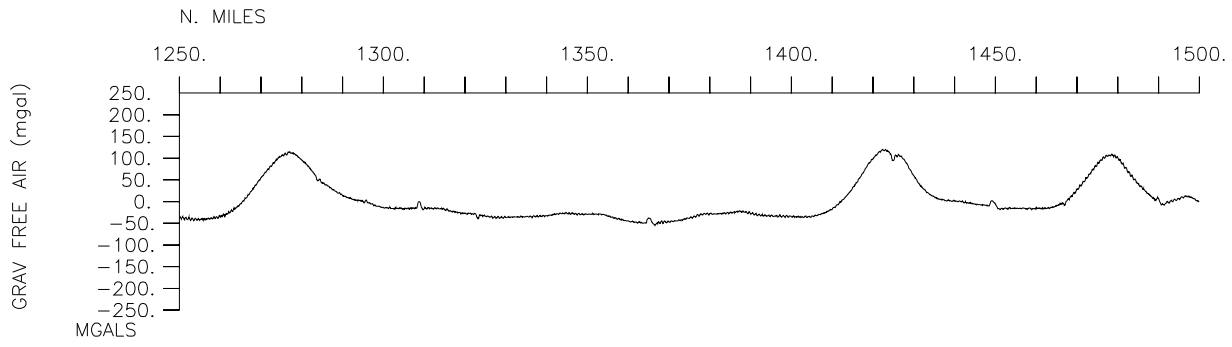


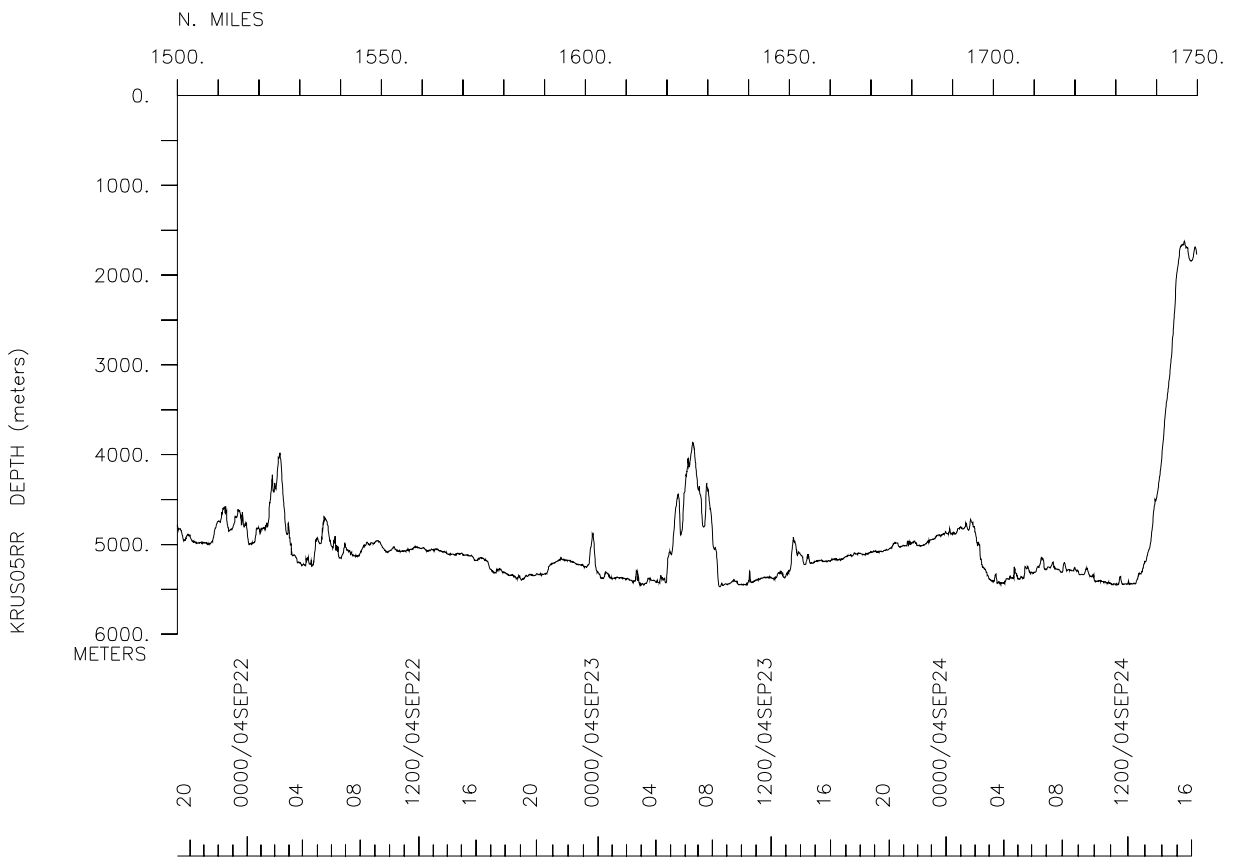
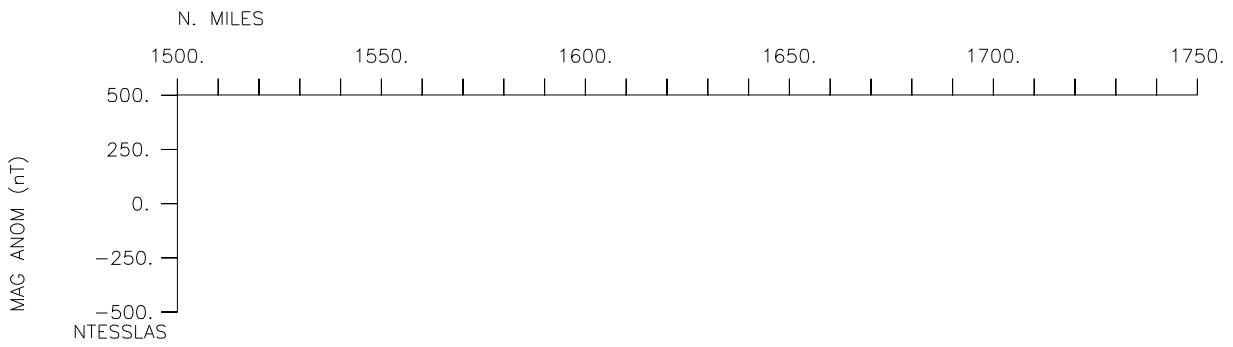
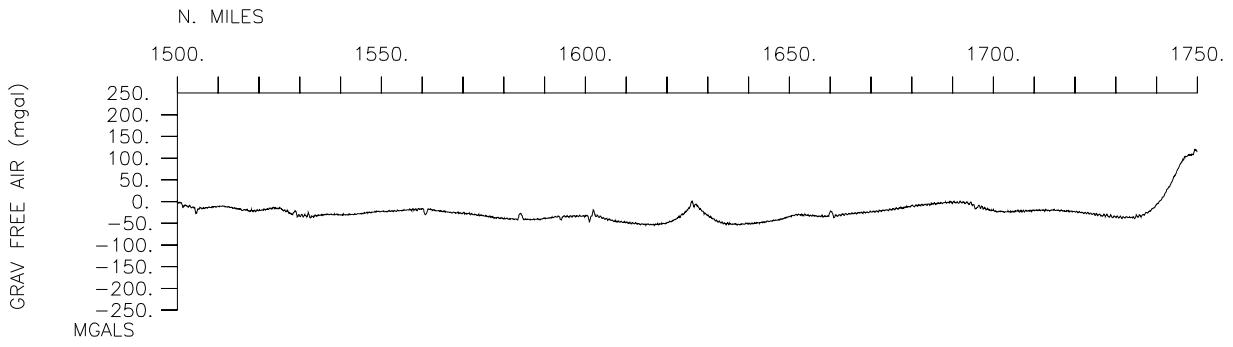


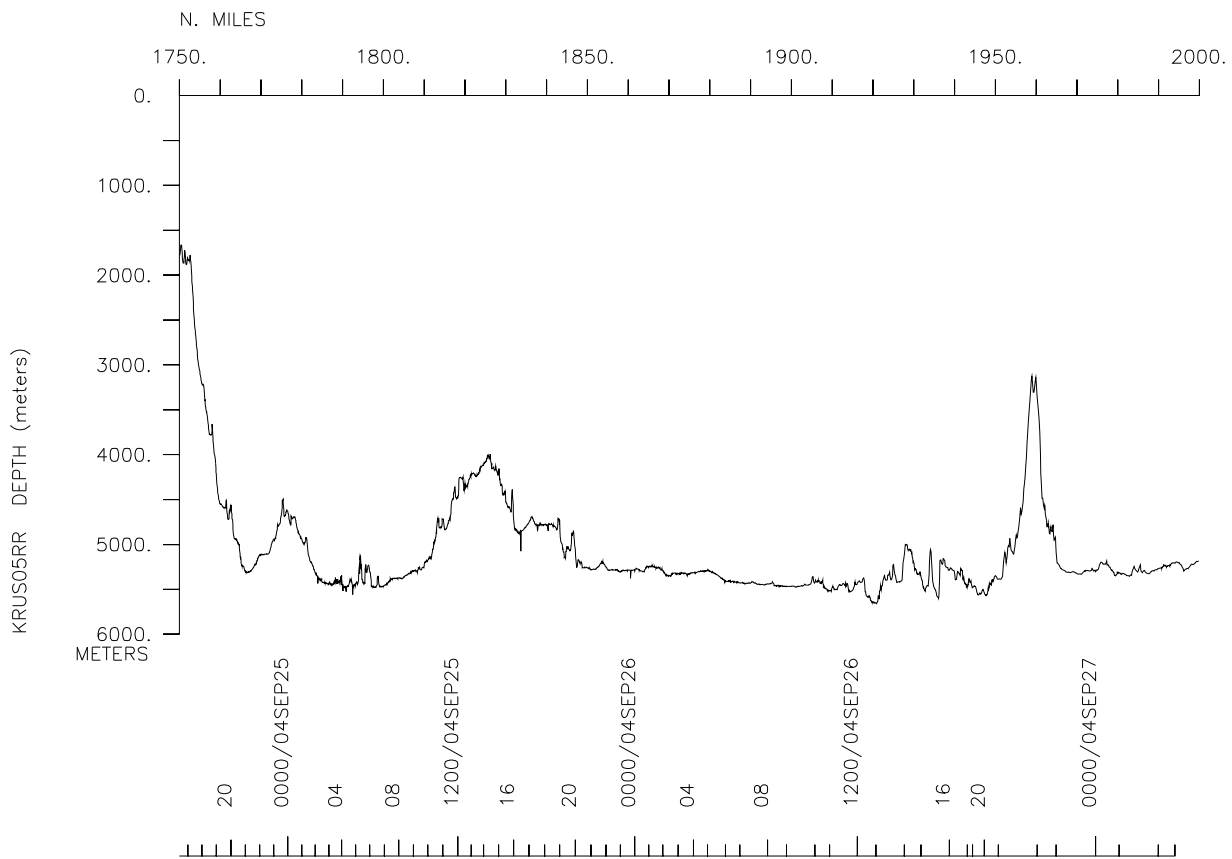
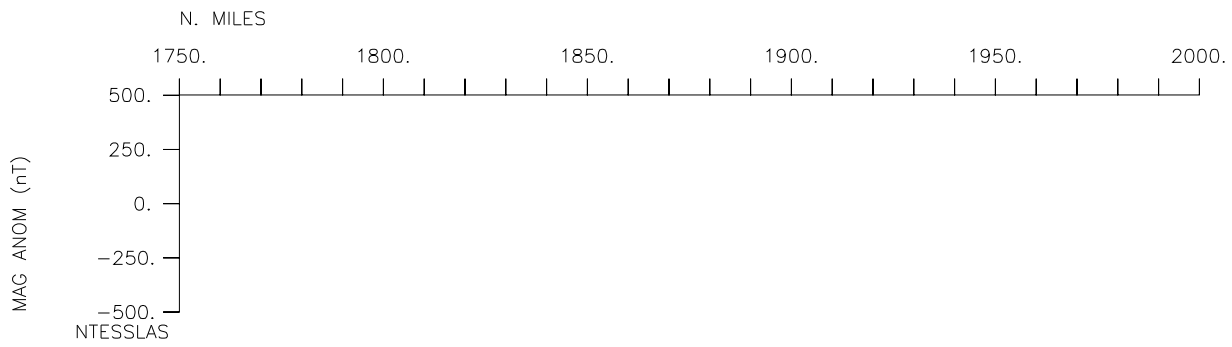
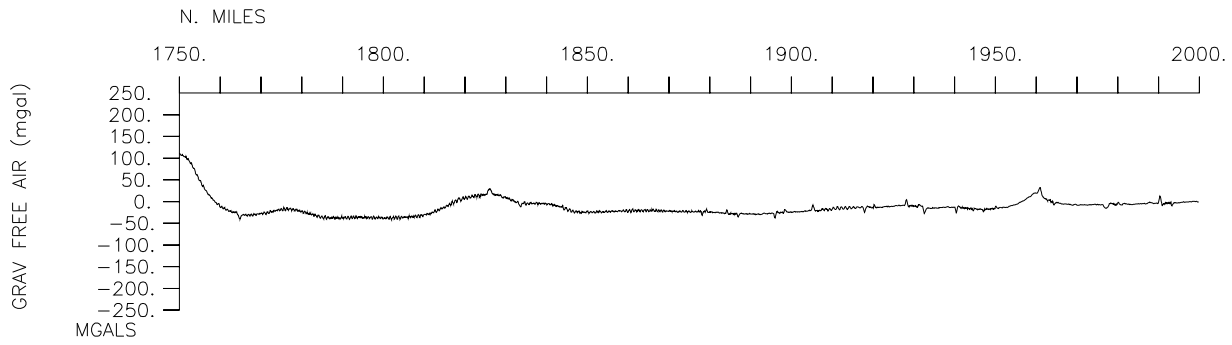


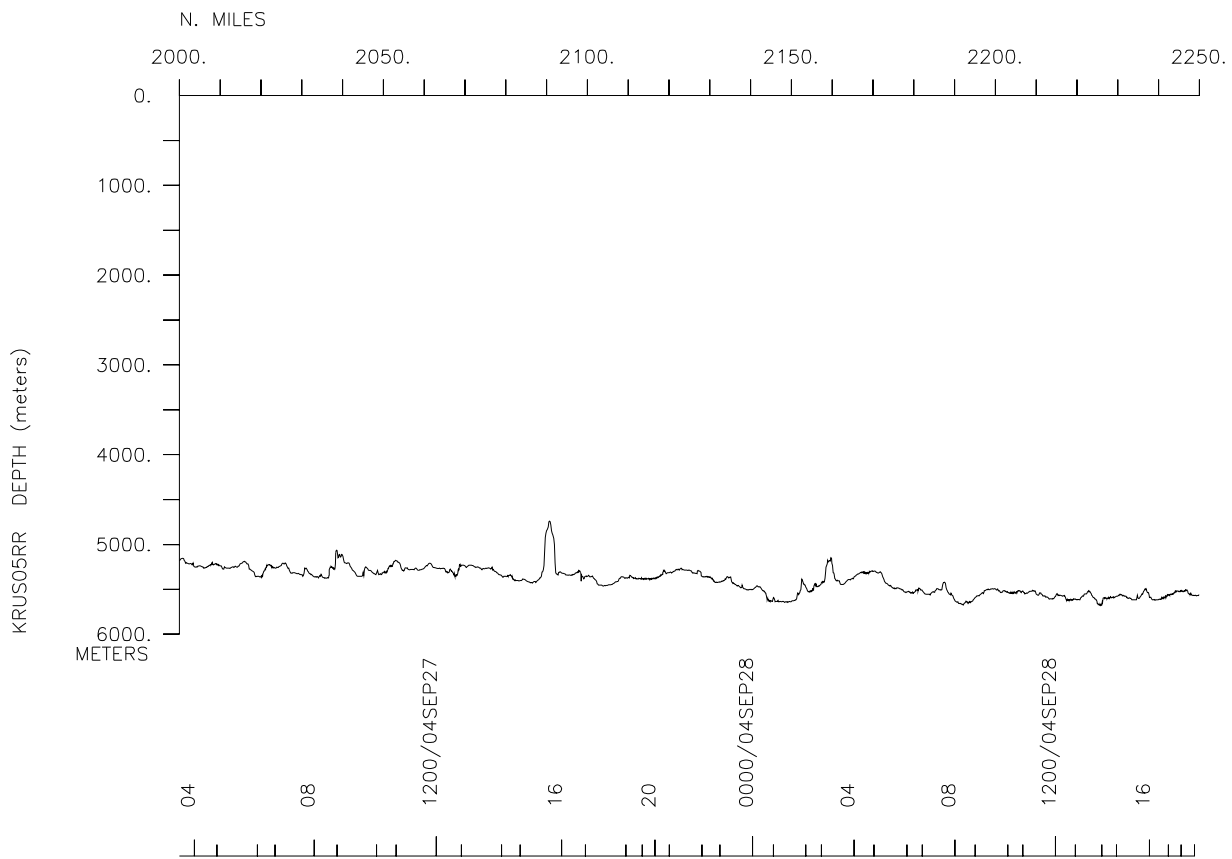
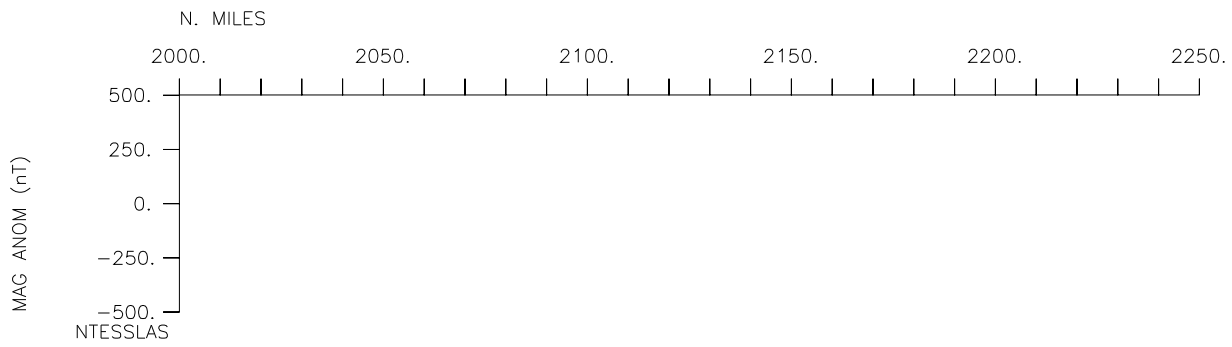
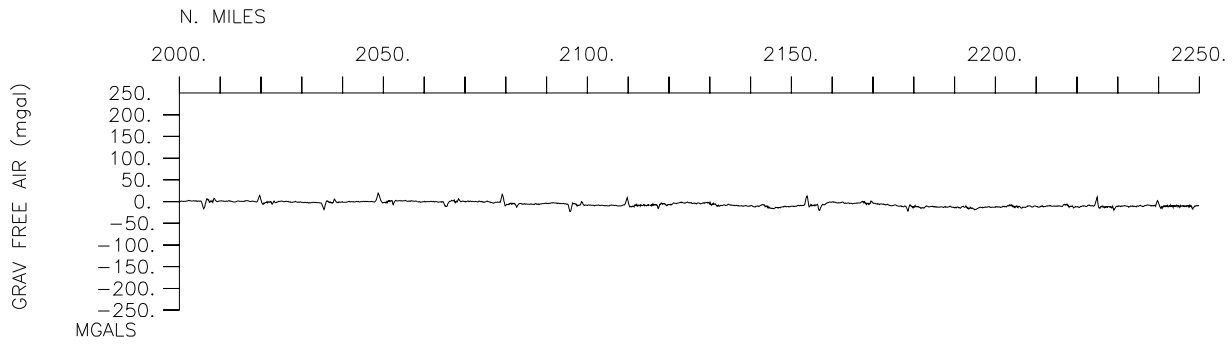


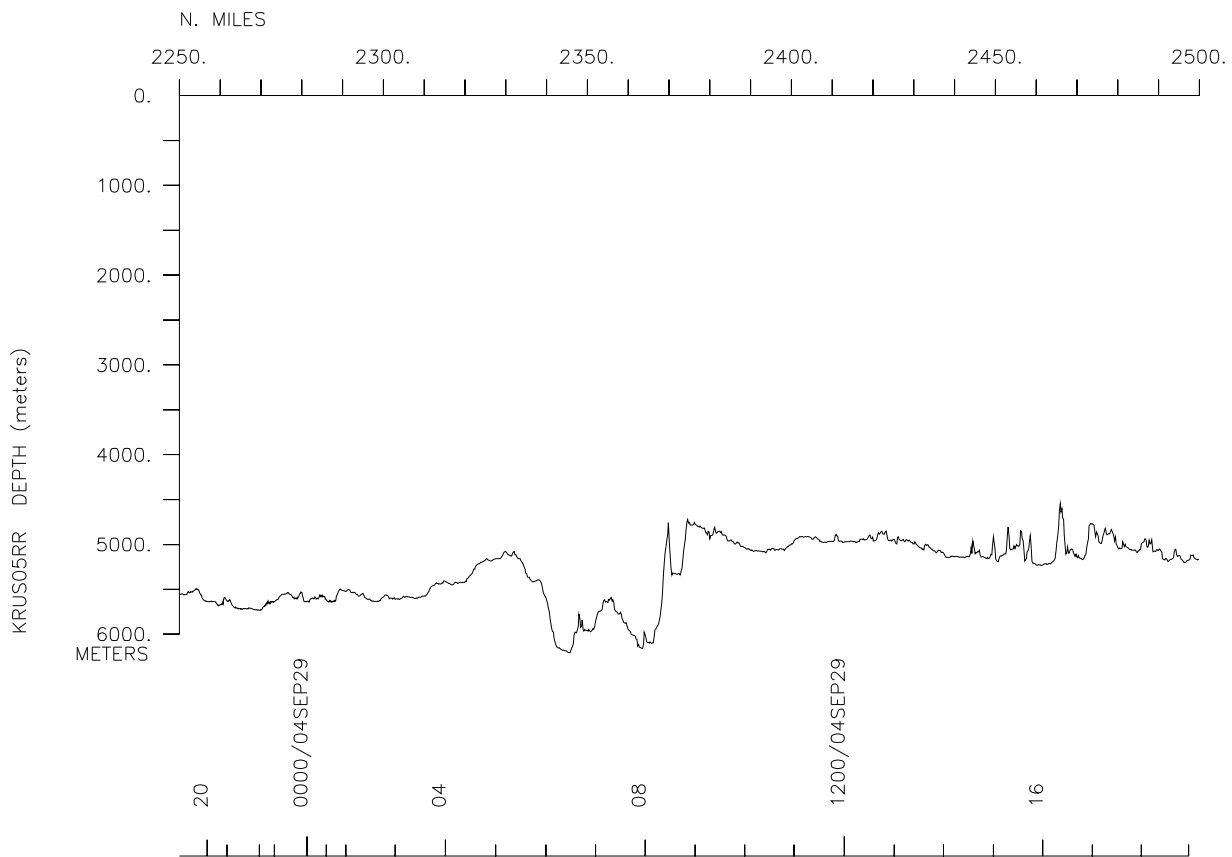
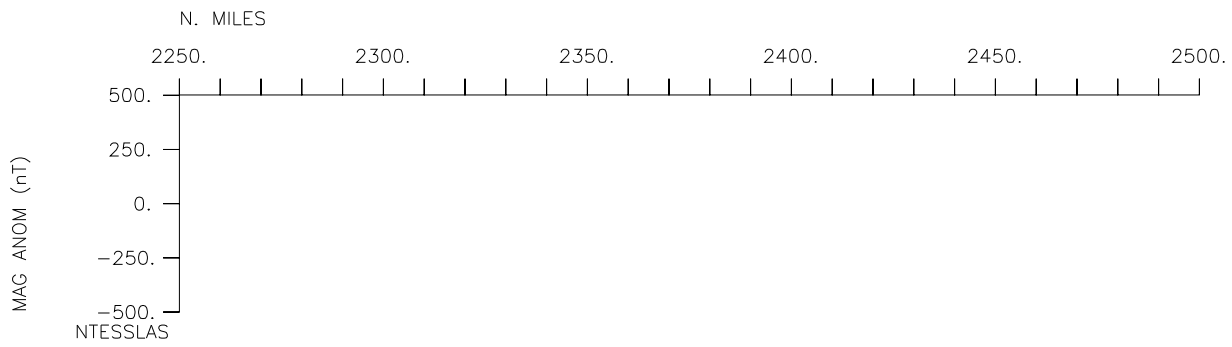
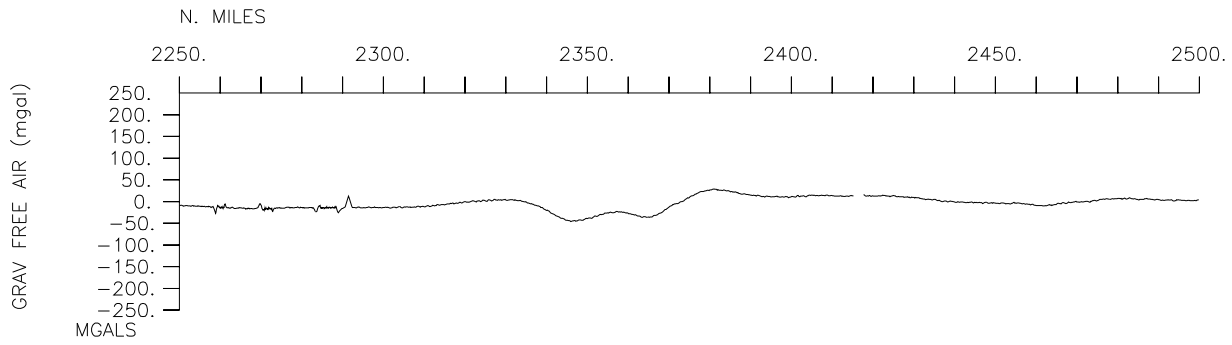


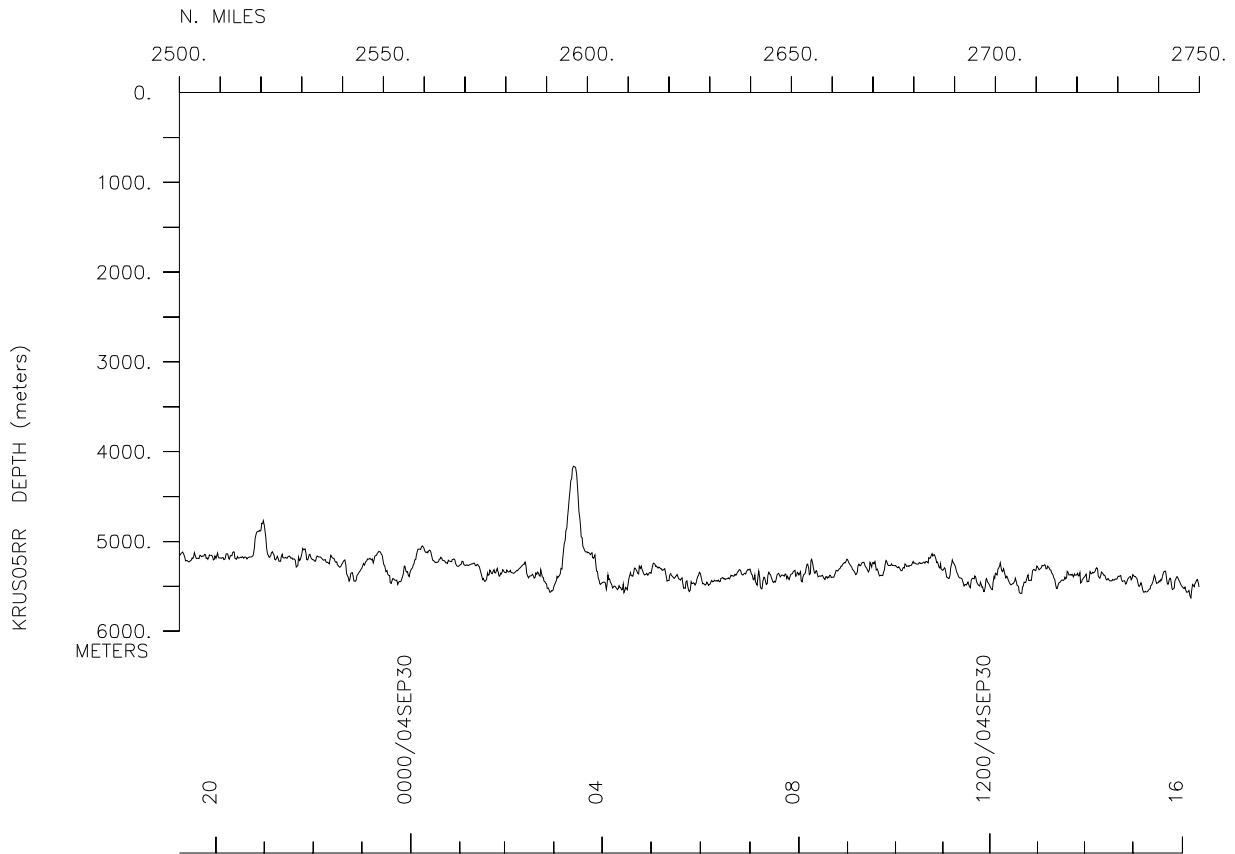
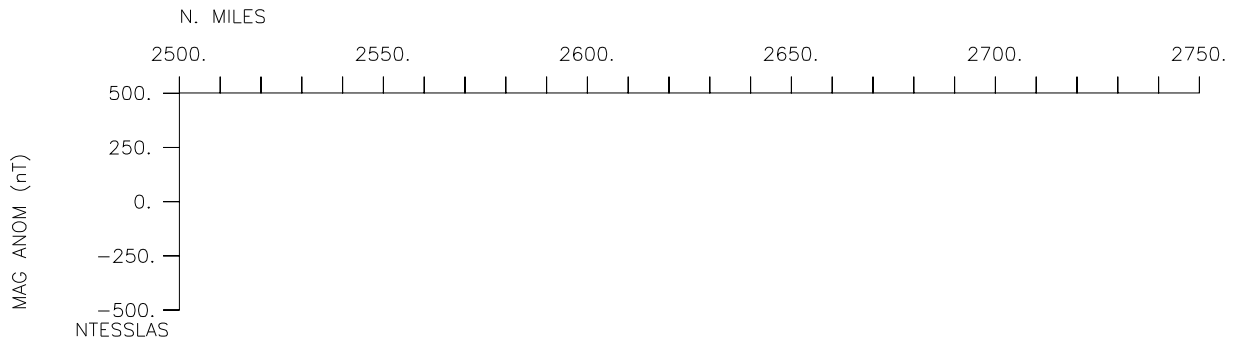
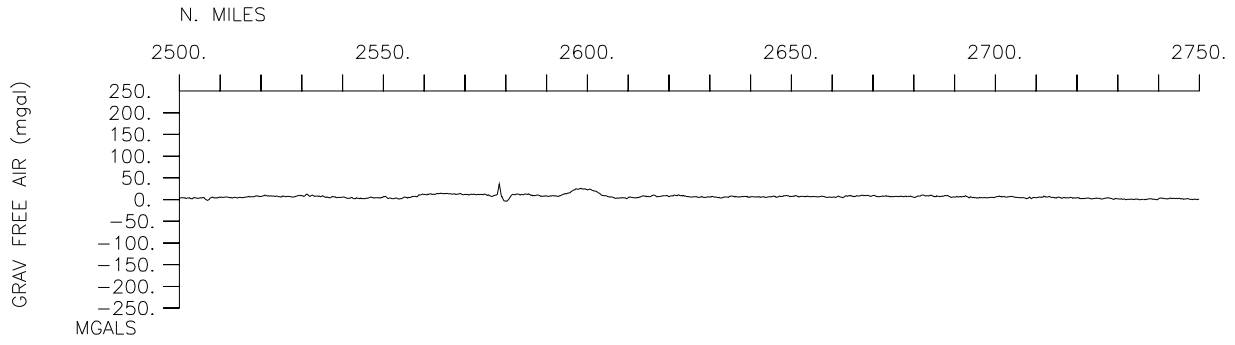


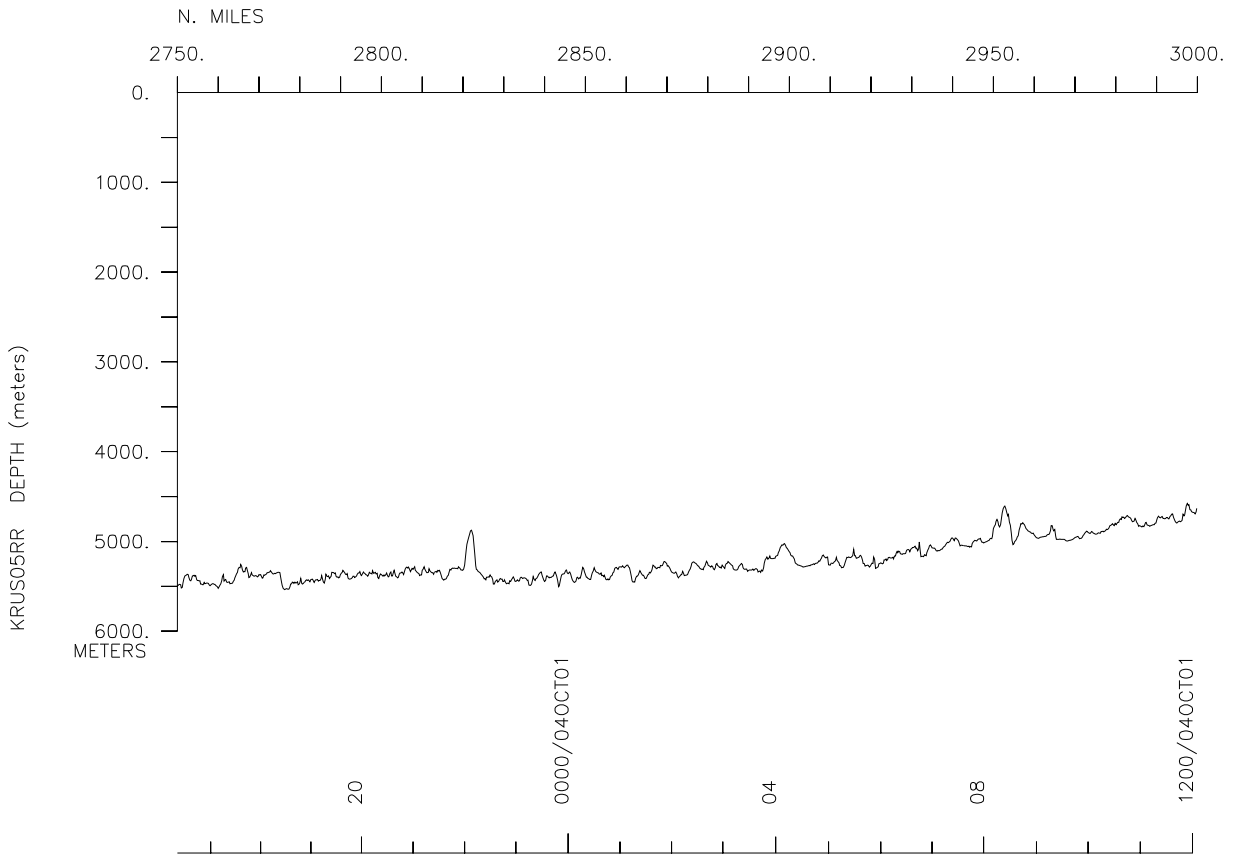
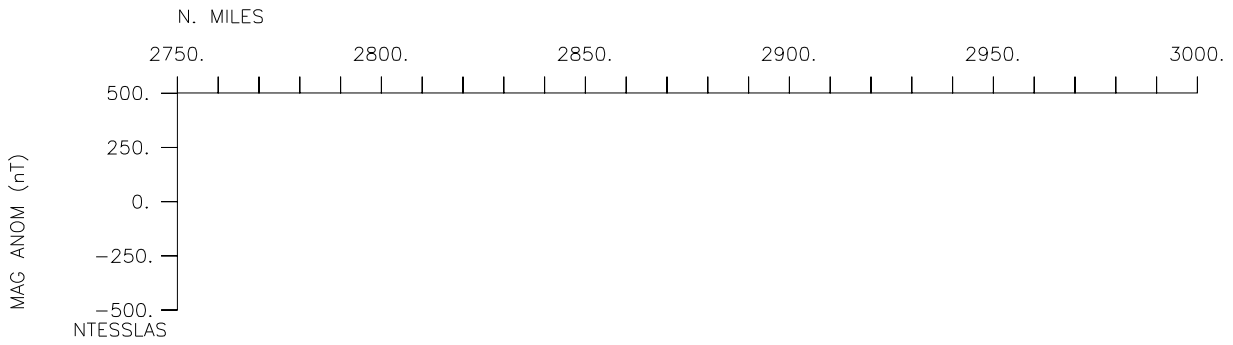
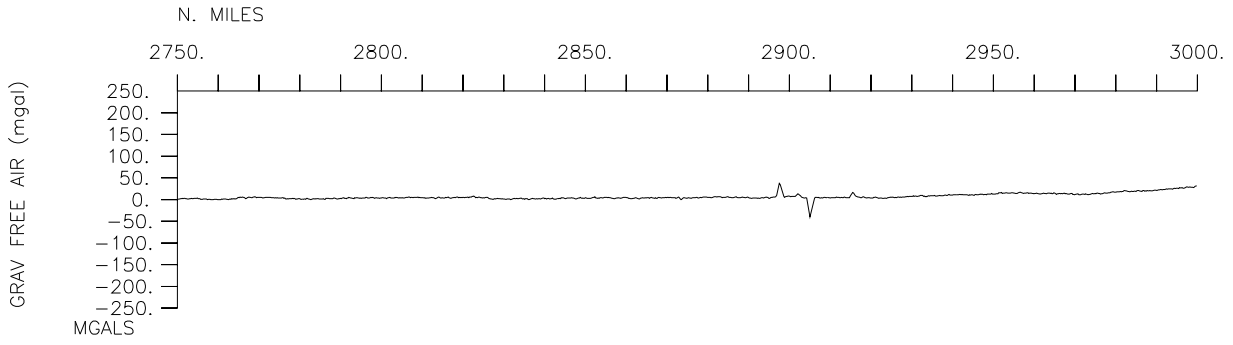




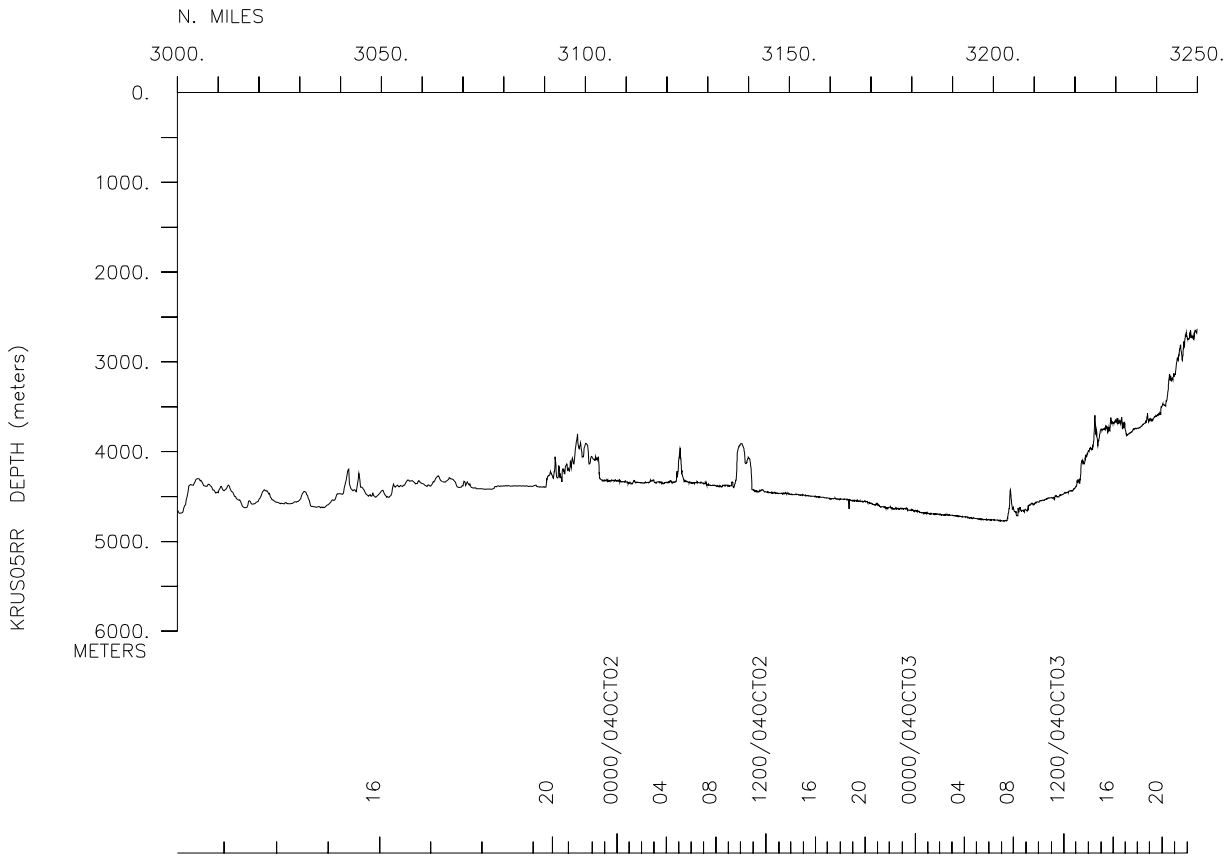
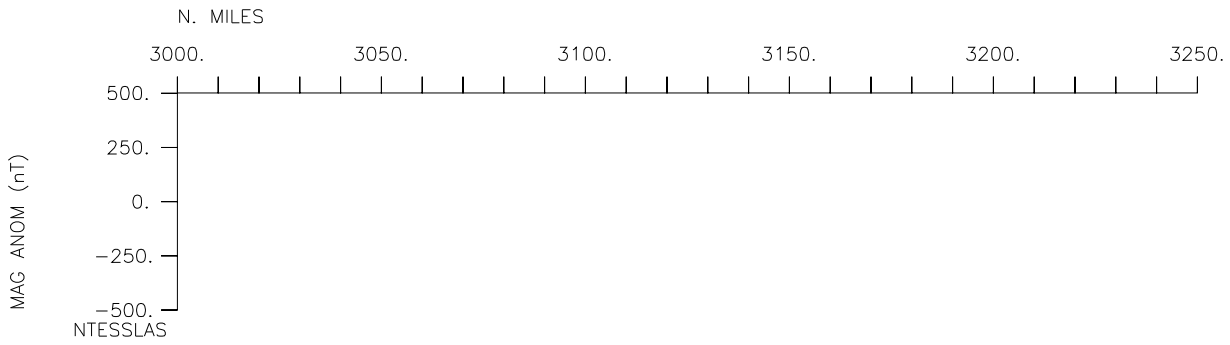
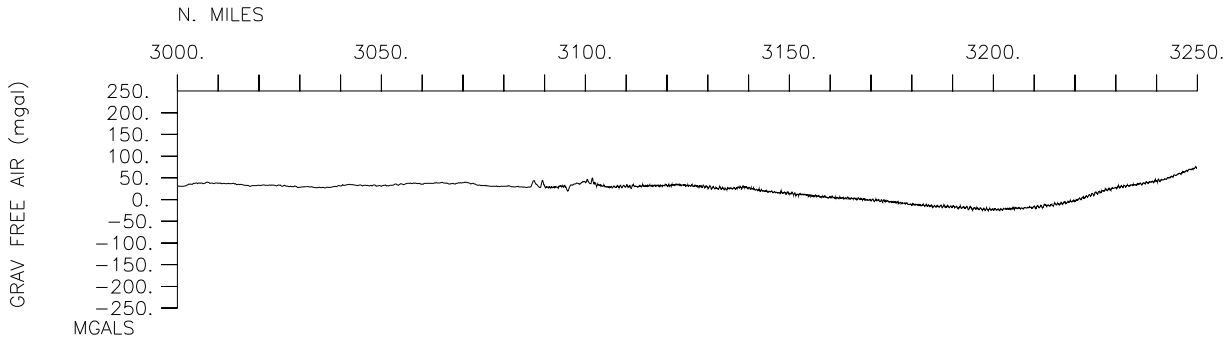


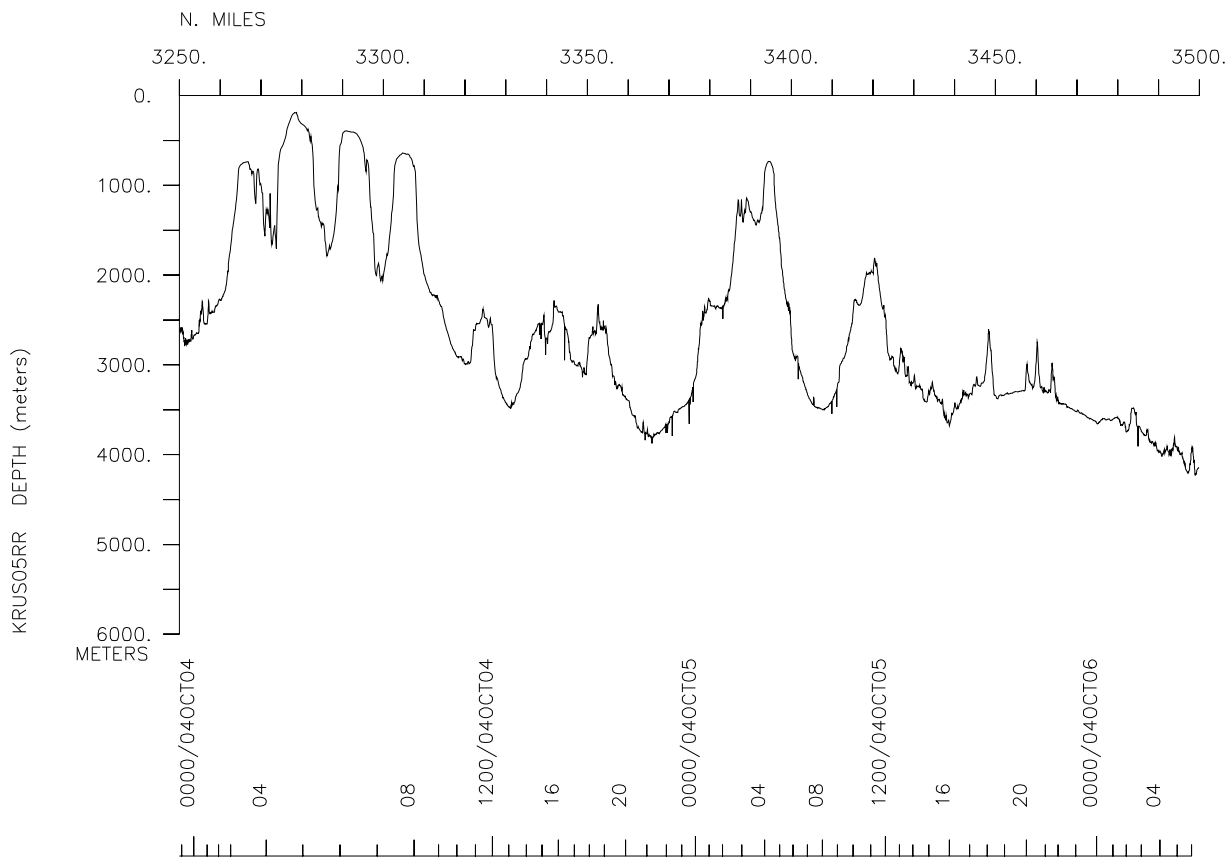
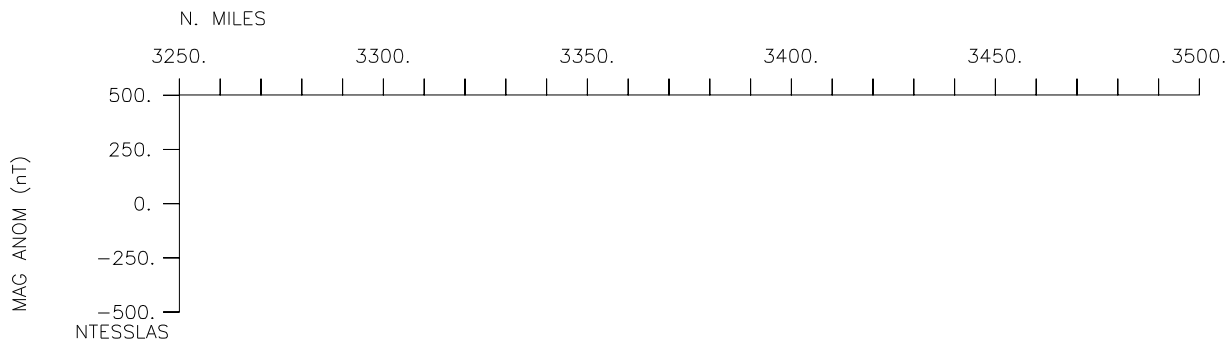
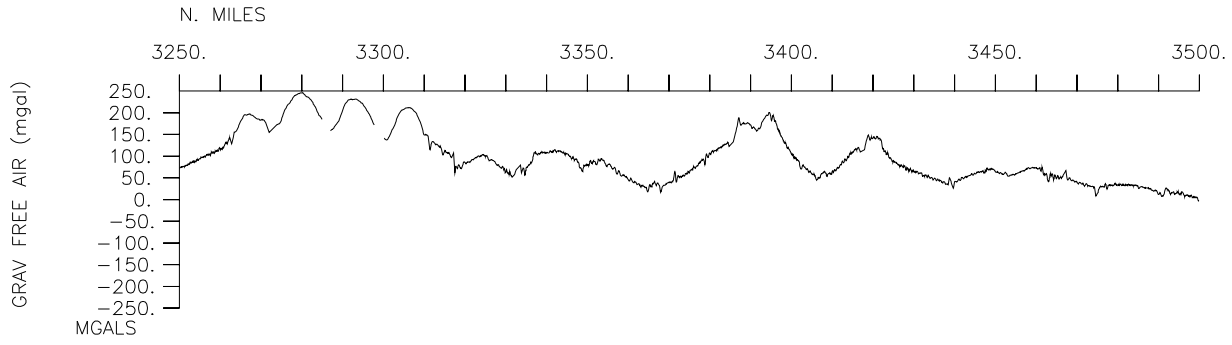


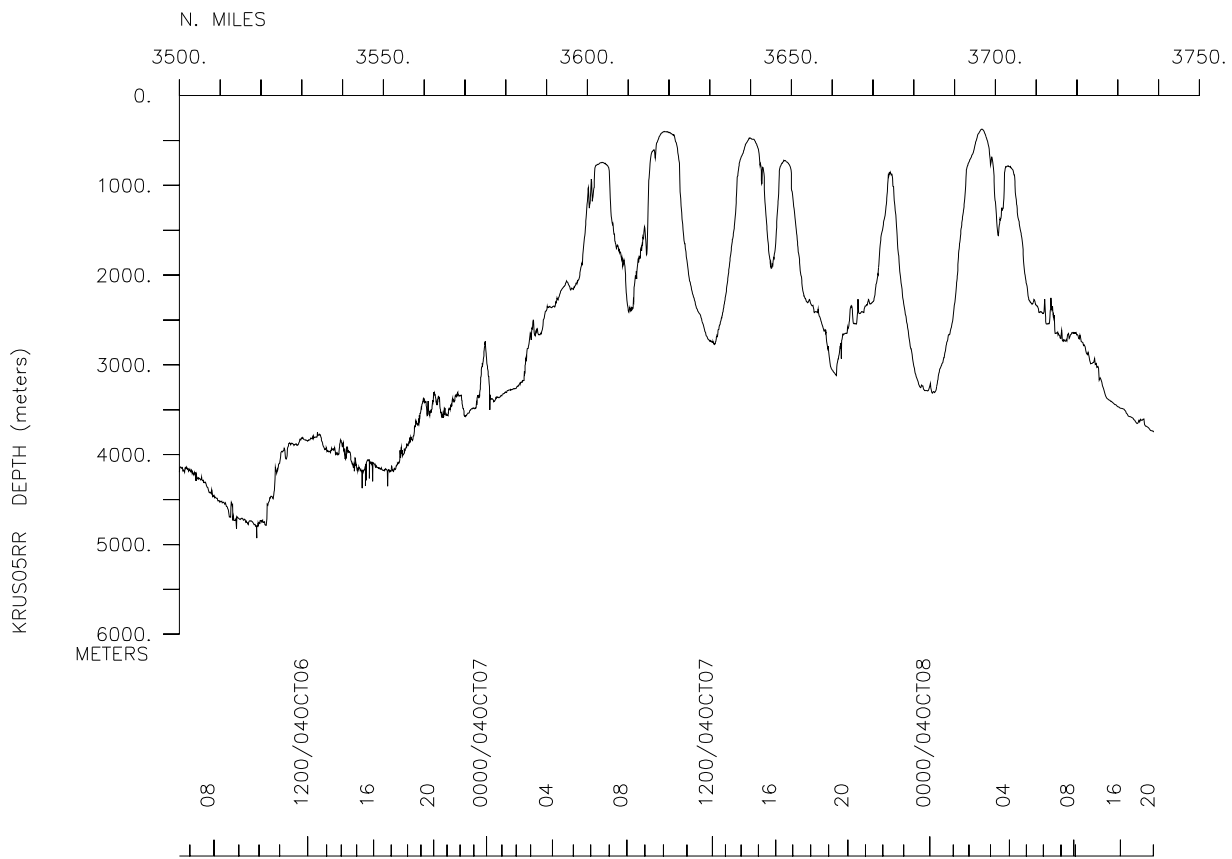
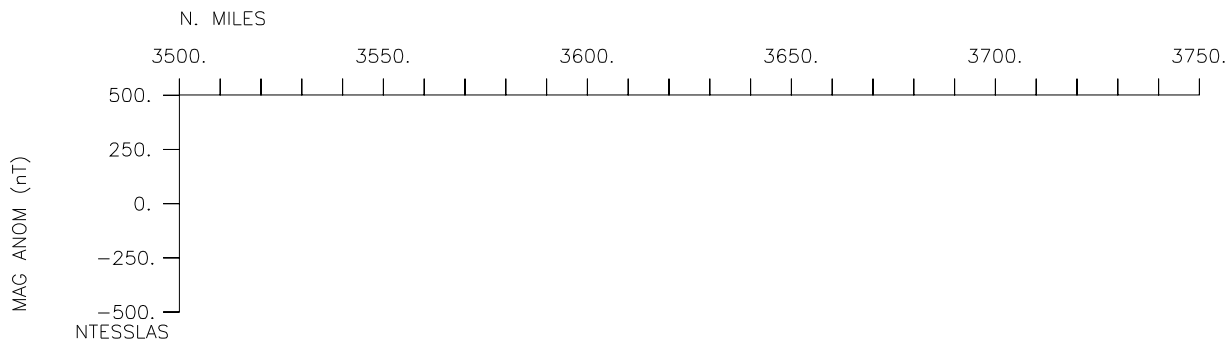
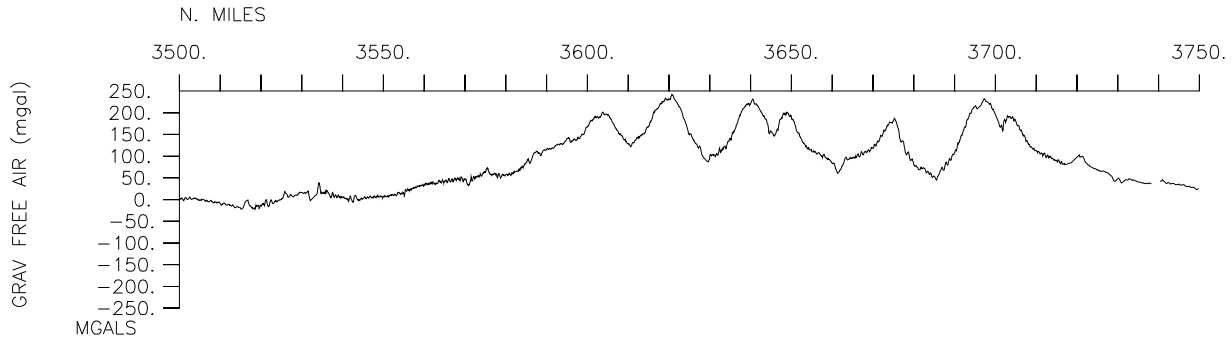


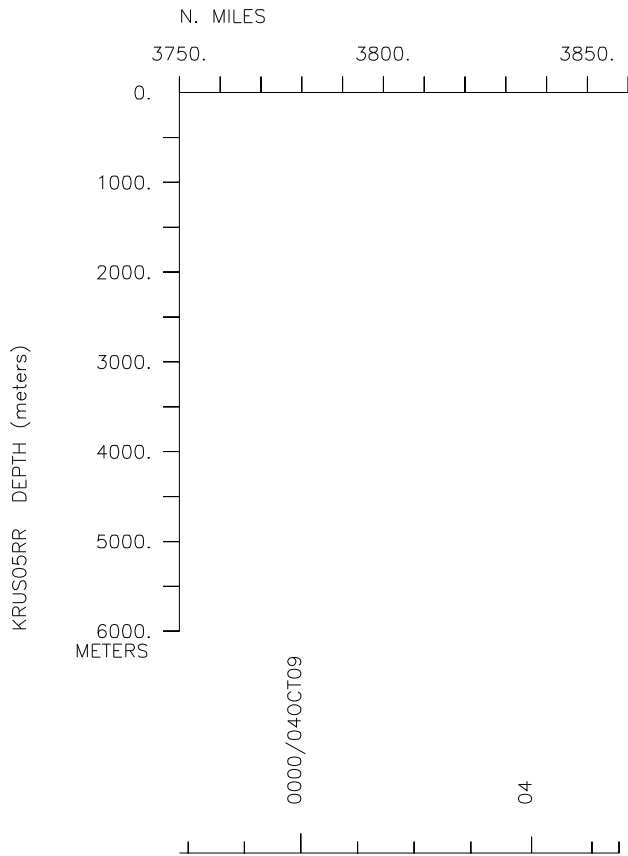
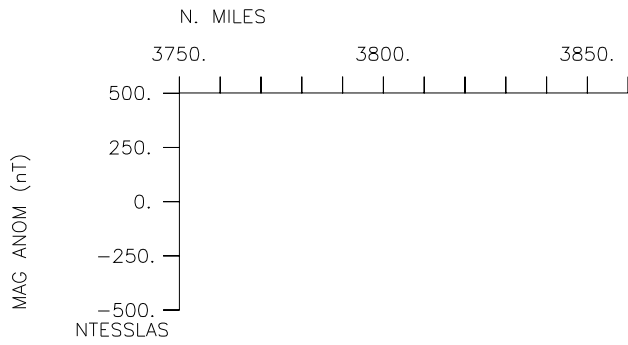
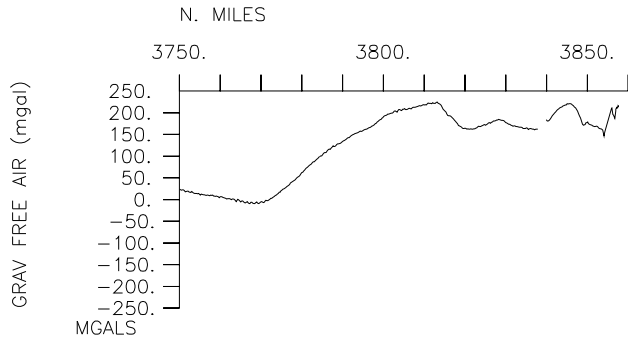












\*\*\*\* Ports \*\*\*\*

0200	140904	LGPT B Honolulu, Hawaii	21-16.00N	157-49.00W	f	KRUS05RR
1800	091004	LGPT E Honolulu, Hawaii	21-16.00N	157-49.00W	f	KRUS05RR

\*\*\*\* Personnel \*\*\*\*

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS MIT	Baggeroer,A.	Chief Scientist	Mass. Inst. of Tech	KRUS05RR
PESP WHOI	Scheer,E.	Scientist	Woods Hole	KRUS05RR
PESP WHOI	Von Der Heydt	Scientist	Woods Hole	KRUS05RR
PEST MIT	Sikora,J.	Grad Student	Mass. Inst. of Tech	KRUS05RR
PESP SIX	Heaney, K.	Scientist	OASIS INC. Mass.	KRUS05RR
PESP SIX	Becker,K.	Scientist	Penn State Univ.	KRUS05RR
PEST SIX	Johnson,S.	Grad Student	Penn State Univ.	KRUS05RR
PESP SIX	Dorminy,J.	Technician	Penn State Univ.	KRUS05RR
PESP SIX	Hill, A.C.	Consultant	Penn State Univ.	KRUS05RR
PERT STS	Pillard,E.	Resident tech	Scripps Institution	KRUS05RR
PECT STS	Quiel,B.	Computer tech	Scripps Institution	KRUS05RR
PEST SIX	Kusel,E.	Grad Student	RENSSELAER POLY INS.	KRUS05RR
PEST IGPP	Van Uffelen	Grad Student	Scripps Institution	KRUS05RR

\*\*\*\* 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) \*\*\*\*

0200	140904	0	MBSI B	Simrad Multibeam	GDC	21-18.98N	157-53.17W	g	KRUS05RR
1800	091004	0	MBSI E	Simrad Multibeam	GDC	21-18.97N	157-53.17W	g	KRUS05RR

\*\*\*\* Conductivity, Temperature, Depth \*\*\*\*

1919	081004	0	TDCT B	CTD 2 SVP & 1800M	MIT	22-37.80N	159-07.74W	g	KRUS05RR
2052	081004	0	TDCT E	Salinity data	MIT	22-37.80N	159-07.74W	g	KRUS05RR

\*\*\*\* Acoustical Studies \*\*\*\*

\*\*\*\* Sample to Penn State \*\*\*\*

2100	160904	0	ACXX B	Acoustic Array	SIX	31-26.28N	151-15.23W	g	KRUS05RR
0435	170904	0	ACXX E	Deployment Test	SIX	32-42.69N	150-19.62W	g	KRUS05RR
1450	180904	0	ACXX B	Acoustic sound	SIX	38-24.23N	146-09.06W	g	KRUS05RR
0051	280904	0	ACXX E	Propogation Exp.	SIX	34-11.95N	145-51.67W	g	KRUS05RR
1050	011004	0	ACXX B	Acoustic sound	SIX	24-57.30N	155-19.24W	g	KRUS05RR
1255	041004	0	ACXX E	Propogation Exp.	SIX	22-28.92N	159-33.87W	g	KRUS05RR
0857	041004	0	ACXX B	Acoustic sound	SIX	22-19.80N	159-24.39W	g	KRUS05RR
0300	071004	0	ACXX E	Propogation Exp.	SIX	22-21.13N	159-15.66W	g	KRUS05RR
0830	081004	0	ACXX B	Acoustic sound Vt.	SIX	22-27.17N	159-24.65W	g	KRUS05RR

1830 081004 0 ACXX E Propagation Exp. SIX 22-37.80N 159-07.74W g KRUS05RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	--	---	-	-----	----	-----	-----	-----	-	-----
#*** Digital Gravity ***										
0200	140904	0	GVDD	B digital Gravity	GDC	21-18.98N	157-53.17W	g		KRUS05RR
1800	091004	0	GVDD	E digital Gravity	GDC	21-18.97N	157-53.17W	g		KRUS05RR
#*** Acoustic Doppler Current Profiler ***										
0200	140904	0	ADCP	B 150Khz Doppler	GDC	21-18.98N	157-53.17W	g		KRUS05RR
1800	091004	0	ADCP	E Current Profiler	GDC	21-18.97N	157-53.17W	g		KRUS05RR
0200	140904	0	ADCP	B 40Khz Doppler	GDC	21-18.98N	157-53.17W	g		KRUS05RR
1800	091004	0	ADCP	E Current Profiler	GDC	21-18.97N	157-53.17W	g		KRUS05RR
#*** Integrated Meteorological Acquisition System ***										
0200	140904	0	IMET	B weather measurments	GDC	21-18.98N	157-53.17W	g		KRUS05RR
1800	091004	0	IMET	E weather measurments	GDC	21-18.97N	157-53.17W	g		KRUS05RR
#*** Expendable Bathythermographs ***										
1901	140904	0	BTXP	MK12 # 3	T-10 GDC	23-46.84N	155-59.39W	g		KRUS05RR
0800	150904	0	BTXP	MK12 # 7	T-5 GDC	26-04.87N	154-31.75W	g		KRUS05RR
1201	150904	0	BTXP	MK12 # 8	T-5 GDC	26-44.95N	154-07.00W	g		KRUS05RR
1612	150904	0	BTXP	MK12 # 9	T-5 GDC	27-26.73N	153-41.01W	g		KRUS05RR
1951	150904	0	BTXP	MK12 # 11	T-5 GDC	28-03.63N	153-17.93W	g		KRUS05RR
2353	150904	0	BTXP	MK12 # 13	T-5 GDC	28-43.66N	152-52.73W	g		KRUS05RR
0411	160904	0	BTXP	MK12 # 14	T-5 GDC	28-59.26N	152-44.14W	g		KRUS05RR
0809	160904	0	BTXP	MK12 # 15	T-5 GDC	29-17.64N	152-39.06W	g		KRUS05RR
1158	160904	0	BTXP	MK12 # 16	T-5 GDC	29-54.96N	152-15.31W	g		KRUS05RR
1617	160904	0	BTXP	MK12 # 17	T-5 GDC	30-38.66N	151-46.68W	g		KRUS05RR
2022	160904	0	BTXP	MK12 # 19	T-5 GDC	31-20.92N	151-18.78W	g		KRUS05RR
2359	160904	0	BTXP	MK12 # 21	T-5 GDC	31-56.52N	150-53.65W	g		KRUS05RR
0405	170904	0	BTXP	MK12 # 22	T-5 GDC	32-38.57N	150-22.67W	g		KRUS05RR
0814	170904	0	BTXP	MK12 # 23	T-5 GDC	33-20.67N	149-51.40W	g		KRUS05RR
1156	170904	0	BTXP	MK12 # 24	T-5 GDC	33-59.49N	149-22.37W	g		KRUS05RR
1615	170904	0	BTXP	MK12 # 25	T-5 GDC	34-44.65N	148-48.28W	g		KRUS05RR
1957	170904	0	BTXP	MK12 # 26	T-5 GDC	35-20.97N	148-20.65W	g		KRUS05RR
2355	170904	0	BTXP	MK12 # 28	T-5 GDC	36-00.45N	147-50.38W	g		KRUS05RR
0407	180904	0	BTXP	MK12 # 29	T-5 GDC	36-42.77N	147-17.65W	g		KRUS05RR
0410	180904	0	BTXP	MK12 # 30	T-5 GDC	36-43.02N	147-17.46W	g		KRUS05RR
0805	180904	0	BTXP	MK12 # 31	T-5 GDC	37-23.04N	146-46.22W	g		KRUS05RR
1211	180904	0	BTXP	MK12 # 37	T-5 GDC	38-03.09N	146-14.69W	g		KRUS05RR
1611	180904	0	BTXP	MK12 # 38	T-5 GDC	38-28.68N	146-12.51W	g		KRUS05RR
2002	180904	0	BTXP	MK12 # 39	T-5 GDC	38-37.16N	146-18.50W	g		KRUS05RR
0002	190904	0	BTXP	MK12 # 42	T-5 GDC	38-46.69N	146-05.73W	g		KRUS05RR
0011	190904	0	BTXP	MK12 # 43	T-5 GDC	38-47.21N	146-06.04W	g		KRUS05RR
0408	190904	0	BTXP	MK12 # 44	T-5 GDC	39-00.41N	146-13.27W	g		KRUS05RR
0800	190904	0	BTXP	MK12 # 45	T-5 GDC	39-13.48N	146-19.94W	g		KRUS05RR
1158	190904	0	BTXP	MK12 # 46	T-5 GDC	39-13.32N	146-30.71W	g		KRUS05RR
1558	190904	0	BTXP	MK12 # 47	T-5 GDC	39-18.93N	146-44.86W	g		KRUS05RR
1959	190904	0	BTXP	MK12 # 48	T-5 GDC	39-23.88N	146-31.13W	g		KRUS05RR
0001	200904	0	BTXP	MK12 # 50	T-5 GDC	39-36.68N	146-37.54W	g		KRUS05RR
0403	200904	0	BTXP	MK12 # 51	T-5 GDC	39-50.62N	146-47.96W	g		KRUS05RR
0807	200904	0	BTXP	MK12 # 52	T-5 GDC	39-58.95N	146-51.74W	g		KRUS05RR
1155	200904	0	BTXP	MK12 # 53	T-5 GDC	39-45.76N	146-41.95W	g		KRUS05RR
1559	200904	0	BTXP	MK12 # 54	T-5 GDC	39-31.63N	146-31.50W	g		KRUS05RR
2355	200904	0	BTXP	MK12 # 57	T-5 GDC	39-06.37N	146-24.44W	g		KRUS05RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
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0450	210904	0	BTXP	MK12 # 59	T-5 GDC	38-56.60N	146-37.93W	g		KRUS05RR
0806	210904	0	BTXP	MK12 # 60	T-5 GDC	38-59.59N	146-23.77W	g		KRUS05RR
1151	210904	0	BTXP	MK12 # 61	T-5 GDC	39-08.96N	146-17.28W	g		KRUS05RR
1159	210904	0	BTXP	MK12 # 62	T-5 GDC	39-09.34N	146-17.13W	g		KRUS05RR
1607	210904	0	BTXP	MK12 # 63	T-5 GDC	39-21.49N	146-12.51W	g		KRUS05RR
1956	210904	0	BTXP	MK12 # 64	T-5 GDC	39-18.91N	145-57.64W	g		KRUS05RR
2352	210904	0	BTXP	MK12 # 66	T-5 GDC	39-25.63N	146-10.55W	g		KRUS05RR
0417	220904	0	BTXP	MK12 # 67	T-5 GDC	39-33.67N	146-22.58W	g		KRUS05RR
0816	220904	0	BTXP	MK12 # 68	T-5 GDC	39-28.37N	146-06.09W	g		KRUS05RR
1159	220904	0	BTXP	MK12 # 69	T-5 GDC	39-25.12N	145-50.86W	g		KRUS05RR
1559	220904	0	BTXP	MK12 # 70	T-5 GDC	39-31.90N	146-04.11W	g		KRUS05RR
1959	220904	0	BTXP	MK12 # 71	T-5 GDC	39-36.68N	146-11.54W	g		KRUS05RR
0000	230904	0	BTXP	MK12 # 74	T-5 GDC	39-44.63N	146-00.76W	g		KRUS05RR
0008	230904	0	BTXP	MK12 # 75	T-5 GDC	39-45.08N	146-00.56W	g		KRUS05RR
0411	230904	0	BTXP	MK12 # 77	T-5 GDC	39-58.54N	145-54.00W	g		KRUS05RR
0805	230904	0	BTXP	MK12 # 69	T-5 GDC	40-01.53N	145-51.87W	g		KRUS05RR
1154	230904	0	BTXP	MK12 # 79	T-5 GDC	39-48.76N	145-58.40W	g		KRUS05RR
1608	230904	0	BTXP	MK12 # 80	T-5 GDC	39-34.41N	146-04.80W	g		KRUS05RR
2004	230904	0	BTXP	MK12 # 81	T-5 GDC	39-24.32N	145-52.13W	g		KRUS05RR
2355	230904	0	BTXP	MK12 # 83	T-5 GDC	39-14.70N	145-40.08W	g		KRUS05RR
0407	240904	0	BTXP	MK12 # 84	T-5 GDC	39-02.85N	145-38.23W	g		KRUS05RR
0800	240904	0	BTXP	MK12 # 85	T-5 GDC	38-50.79N	145-47.21W	g		KRUS05RR
1150	240904	0	BTXP	MK12 # 86	T-5 GDC	38-37.49N	145-57.11W	g		KRUS05RR
1558	240904	0	BTXP	MK12 # 87	T-5 GDC	38-23.52N	146-07.46W	g		KRUS05RR
1611	240904	0	BTXP	MK12 # 88	T-5 GDC	38-22.84N	146-07.91W	g		KRUS05RR
2007	240904	0	BTXP	MK12 # 89	T-5 GDC	38-14.64N	145-53.90W	g		KRUS05RR
2356	240904	0	BTXP	MK12 # 91	T-5 GDC	38-26.08N	145-55.25W	g		KRUS05RR
0410	250904	0	BTXP	MK12 # 92	T-5 GDC	38-39.75N	145-59.03W	g		KRUS05RR
0417	250904	0	BTXP	MK12 # 93	T-5 GDC	38-40.14N	145-59.12W	g		KRUS05RR
0804	250904	0	BTXP	MK12 # 94	T-5 GDC	38-53.12N	146-02.71W	g		KRUS05RR
0814	250904	0	BTXP	MK12 # 95	T-5 GDC	38-53.68N	146-02.86W	g		KRUS05RR
1200	250904	0	BTXP	MK12 # 96	T-5 GDC	39-06.99N	146-06.61W	g		KRUS05RR
1600	250904	0	BTXP	MK12 # 97	T-5 GDC	39-15.05N	146-00.62W	g		KRUS05RR
2123	250904	0	BTXP	MK12 # 98	T-5 GDC	38-56.90N	145-51.52W	g		KRUS05RR
2350	250904	0	BTXP	MK12 #100	T-5 GDC	38-48.53N	145-48.18W	g		KRUS05RR
0444	260904	0	BTXP	MK12 #101	T-5 GDC	38-31.78N	145-41.86W	g		KRUS05RR
1018	270904	0	BTXP	MK12 #103	T-5 GDC	35-43.32N	145-41.75W	g		KRUS05RR
1000	280904	0	BTXP	MK12 #106	T-5 GDC	33-16.75N	146-10.02W	g		KRUS05RR
0348	140904	0	BTXP	MK12 # 1 Fast_Deep	GDC	21-13.20N	157-41.41W	g		KRUS05RR
0449	140904	0	BTXP	MK12 # 2 Fast_Deep	GDC	21-19.06N	157-31.48W	g		KRUS05RR
2154	140904	0	BTXP	MK12 # 4 Fast_Deep	GDC	24-16.73N	155-37.98W	g		KRUS05RR
2207	150904	0	BTXP	MK12 # 12 Fast_Deep	GDC	28-26.22N	153-03.74W	g		KRUS05RR
2204	160904	0	BTXP	MK12 # 20 Fast_Deep	GDC	31-37.52N	151-07.56W	g		KRUS05RR
2210	170904	0	BTXP	MK12 # 27 Fast_Deep	GDC	35-42.58N	148-04.11W	g		KRUS05RR
2228	180904	0	BTXP	MK12 # 40 Fast_Deep	GDC	38-42.85N	146-10.36W	g		KRUS05RR
2226	190904	0	BTXP	MK12 # 49 Fast_Deep	GDC	39-31.15N	146-33.42W	g		KRUS05RR
2219	200904	0	BTXP	MK12 # 56 Fast_Deep	GDC	39-09.95N	146-17.58W	g		KRUS05RR
2218	210904	0	BTXP	MK12 # 65 Fast_Deep	GDC	39-23.22N	146-04.11W	g		KRUS05RR
2217	220904	0	BTXP	MK12 # 72 Fast_Deep	GDC	39-38.83N	146-02.56W	g		KRUS05RR
2231	220904	0	BTXP	MK12 # 73 Fast_Deep	GDC	39-39.65N	146-02.13W	g		KRUS05RR
2227	230904	0	BTXP	MK12 # 82 Fast_Deep	GDC	39-18.38N	145-44.69W	g		KRUS05RR
2227	240904	0	BTXP	MK12 # 90 Fast_Deep	GDC	38-21.09N	145-53.88W	g		KRUS05RR
2208	250904	0	BTXP	MK12 # 99 Fast_Deep	GDC	38-54.27N	145-50.46W	g		KRUS05RR
2214	260904	0	BTXP	MK12 #102 Fast_Deep	GDC	37-10.47N	145-40.47W	g		KRUS05RR
2228	270904	0	BTXP	MK12 #104 Fast_Deep	GDC	34-25.39N	145-45.48W	g		KRUS05RR
2157	280904	0	BTXP	MK12 #109 Fast_Deep	GDC	32-14.01N	146-09.57W	g		KRUS05RR
2318	290904	0	BTXP	MK12 #110 Fast_Deep	GDC	28-43.59N	148-24.12W	g		KRUS05RR

# End Sample Index KRUS05RR