

*Report and Index of  
Underway Marine Geophysical Data*

**Krusenstern Expedition**

**Leg 01**

**(KRUS01RR)**

R/V Roger Revelle

(Issued Sep 2004)

**Ports:**

San Diego (26-may-04)  
to  
Honolulu, HI (18-jun-04)

**Chief Scientist:** Peter Worcester  
Scripps Institution of Oceanography  
pworcester@ucsd.edu

Computer Tech - Barry Quiel  
Resident Tech - Bob Wilson

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.

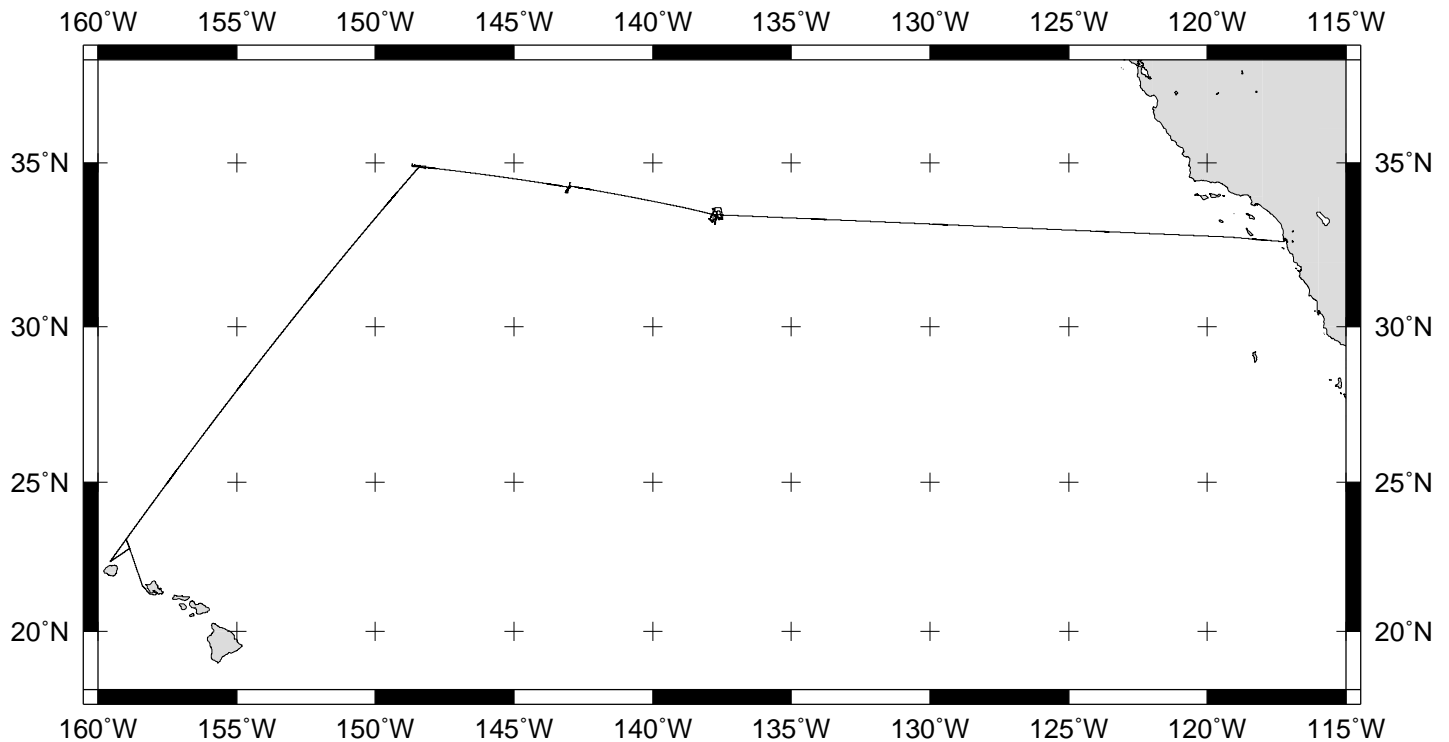
**Sample Index** - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

### **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 1 (KRUS01RR)**

=====

**CHIEF SCIENTIST: Peter Worcester, Scripps Institution**

**PORTS: San Diego - Honolulu, Hawaii**

**DATES: 26 May - 18 June 2004**

**SHIP: R/V Revelle**

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

**Cruise-3158 miles**

**Magnetics-none collected**

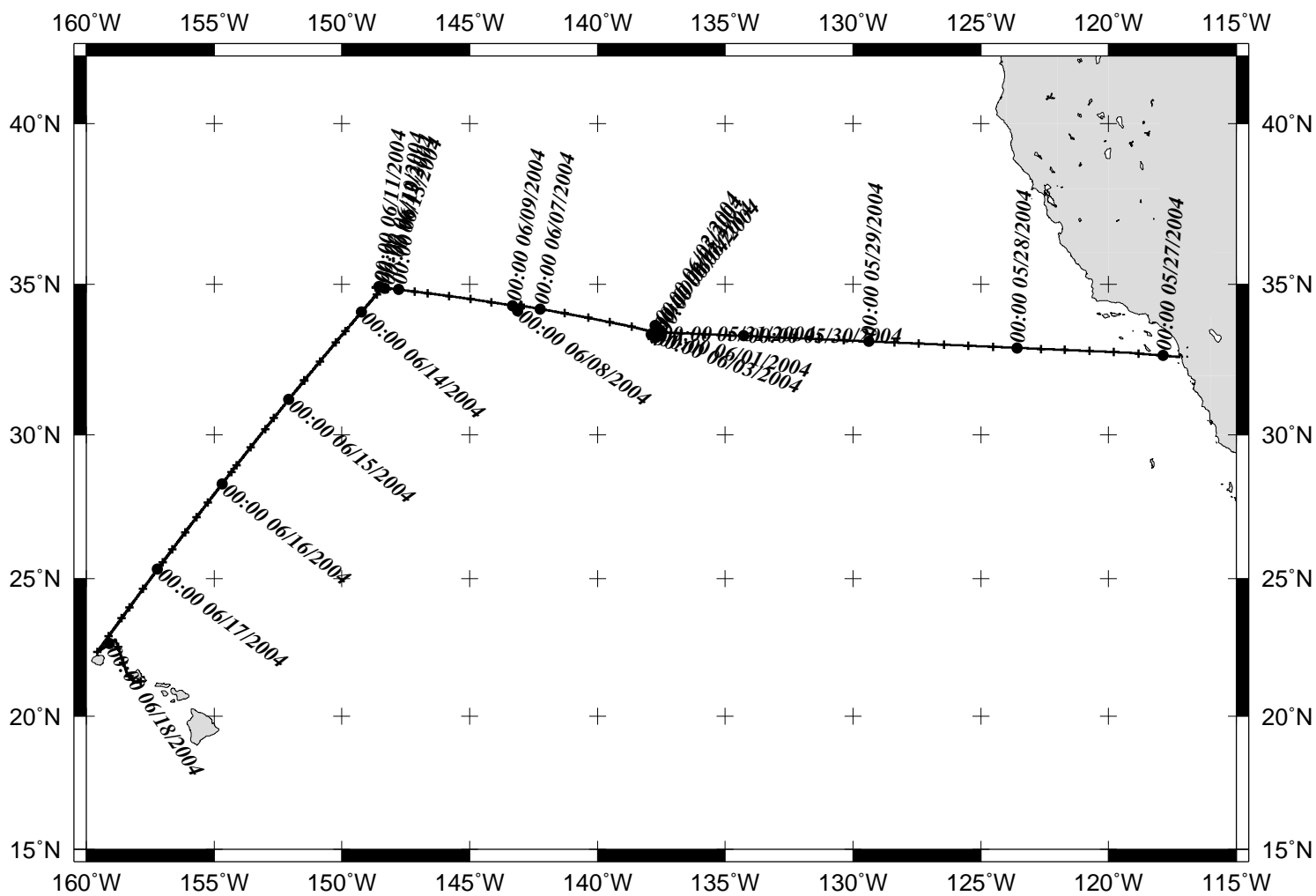
**Bathymetry-1864 miles**

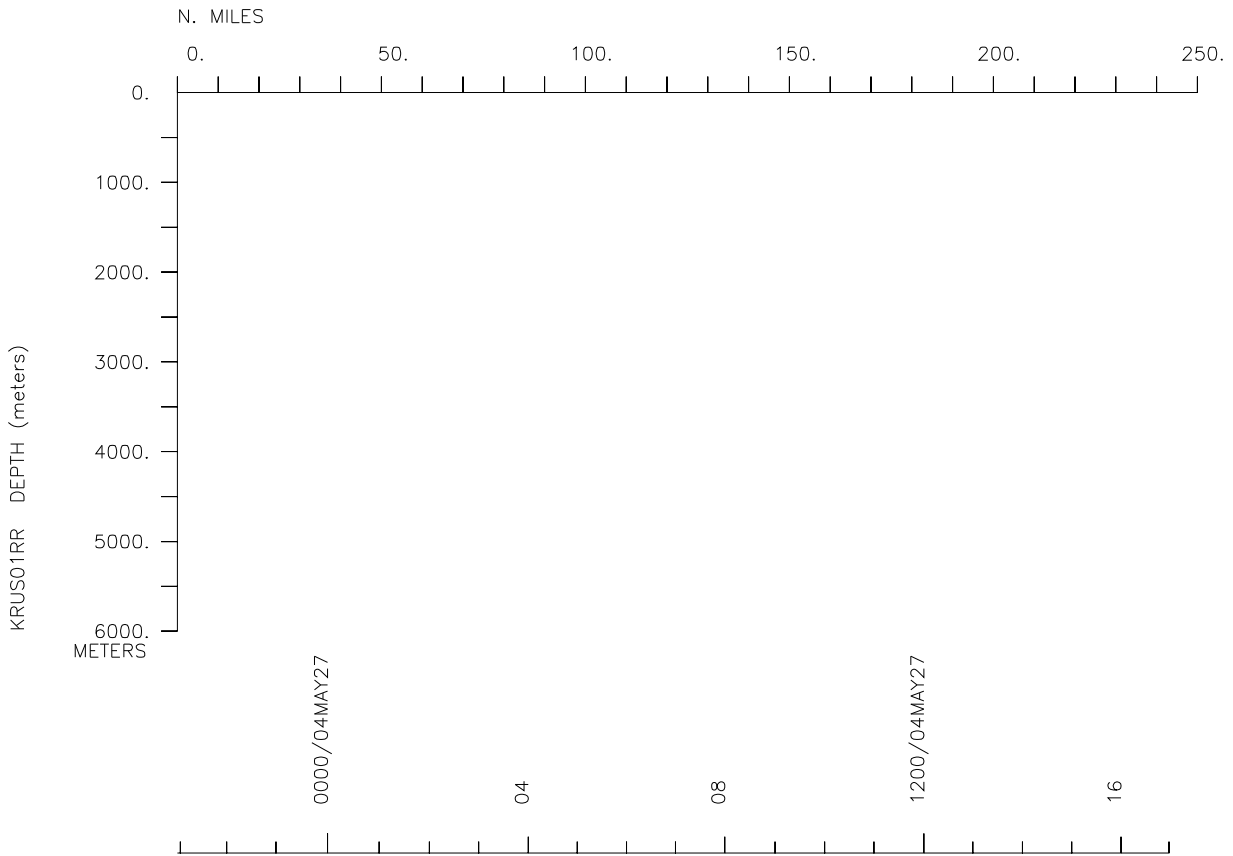
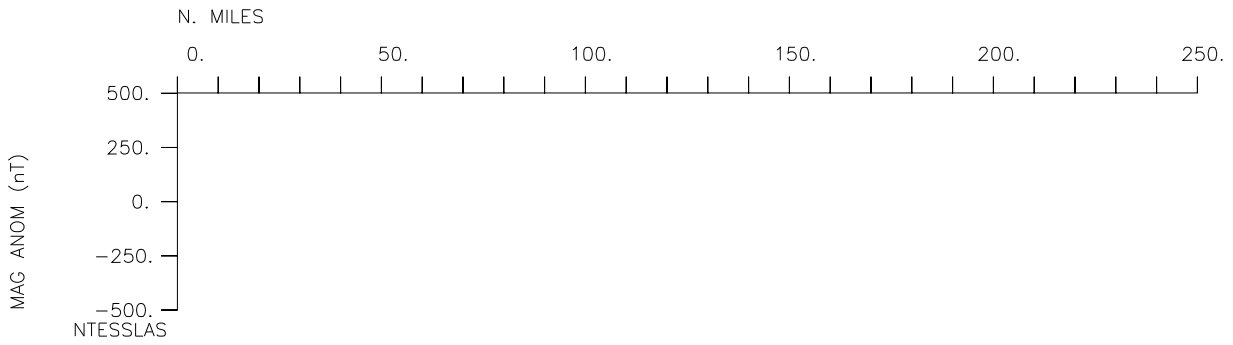
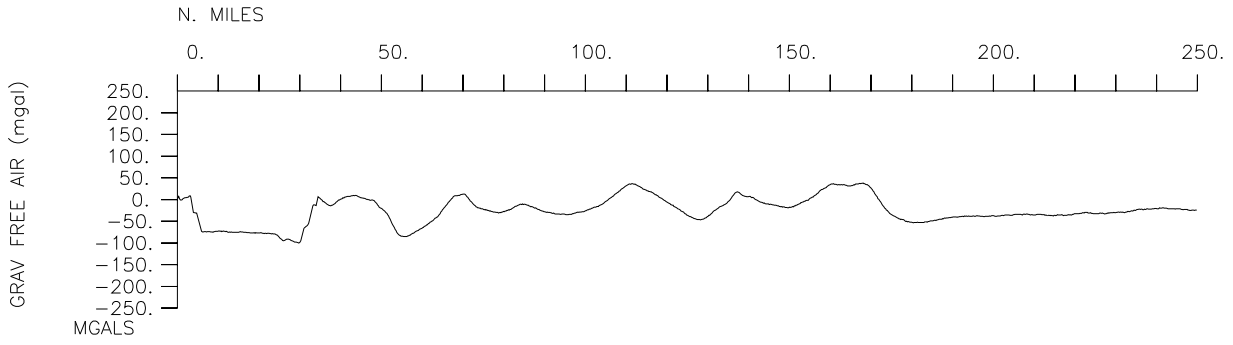
**Seismic Reflection-none collected**

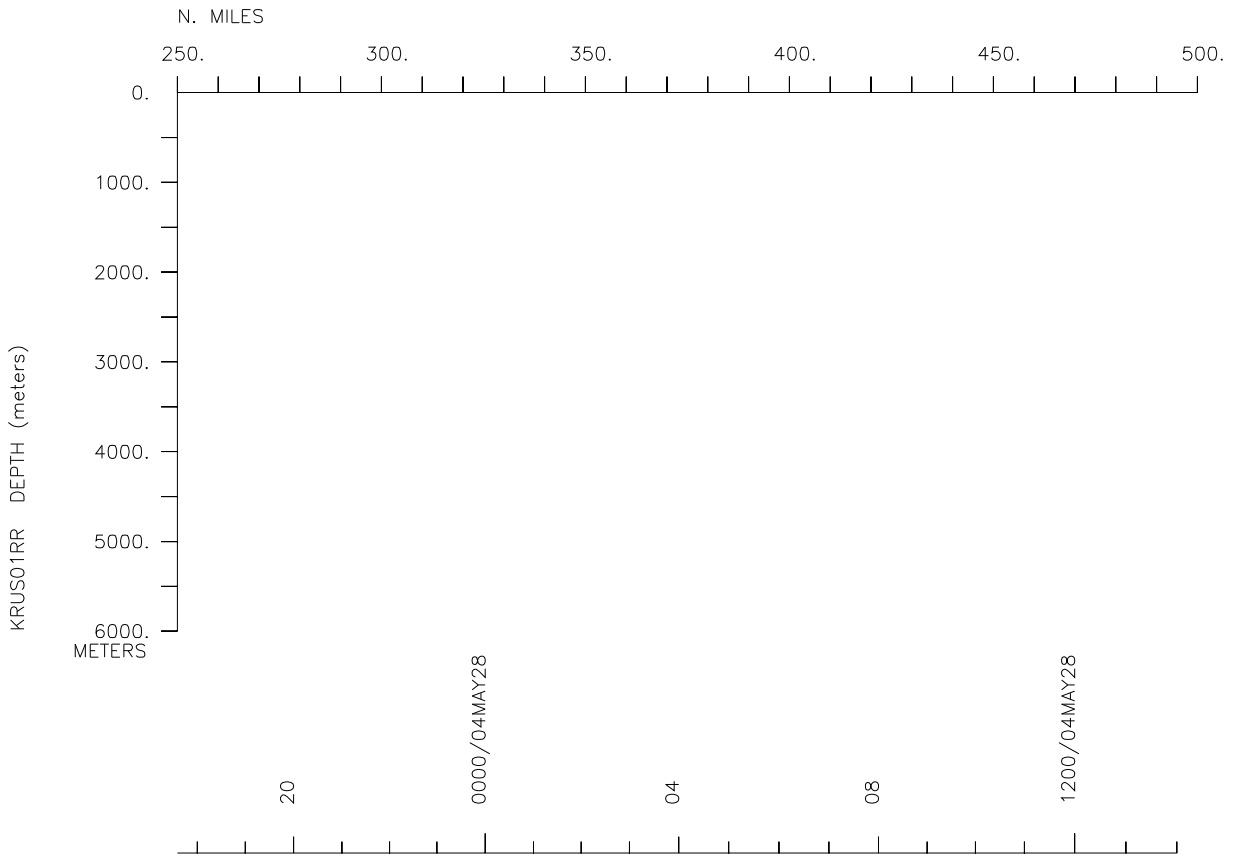
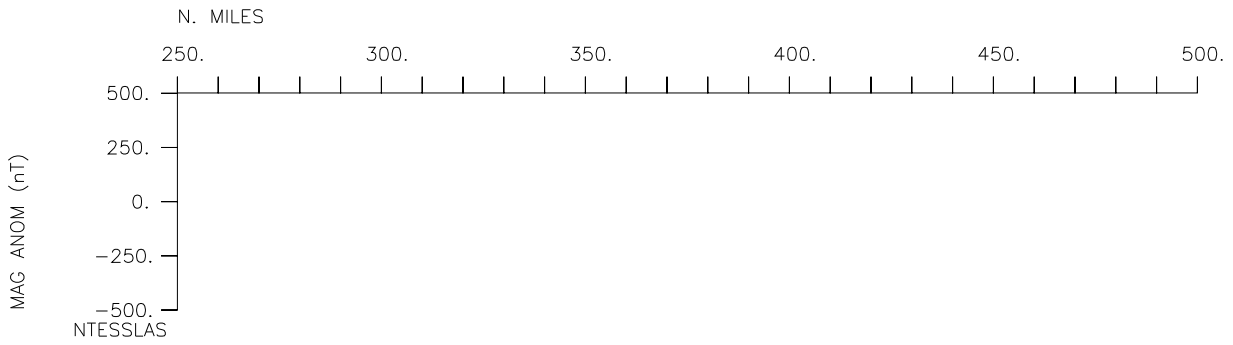
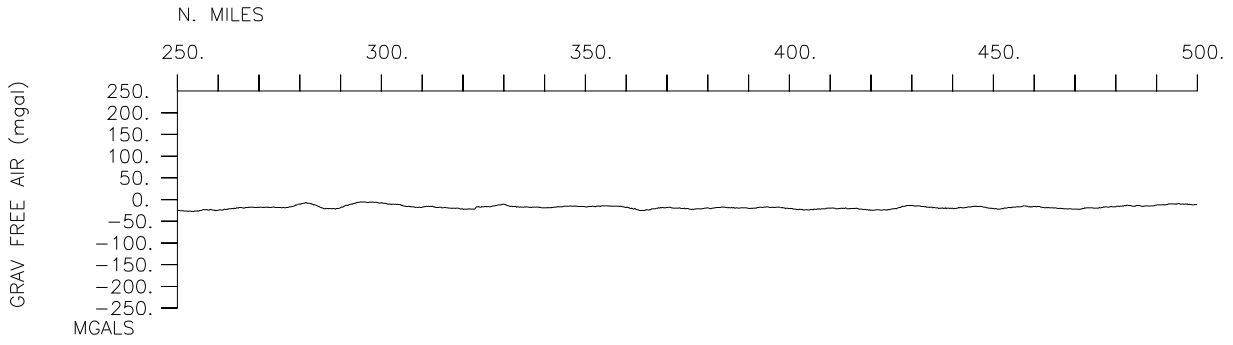
**Multibeam-1864 miles**

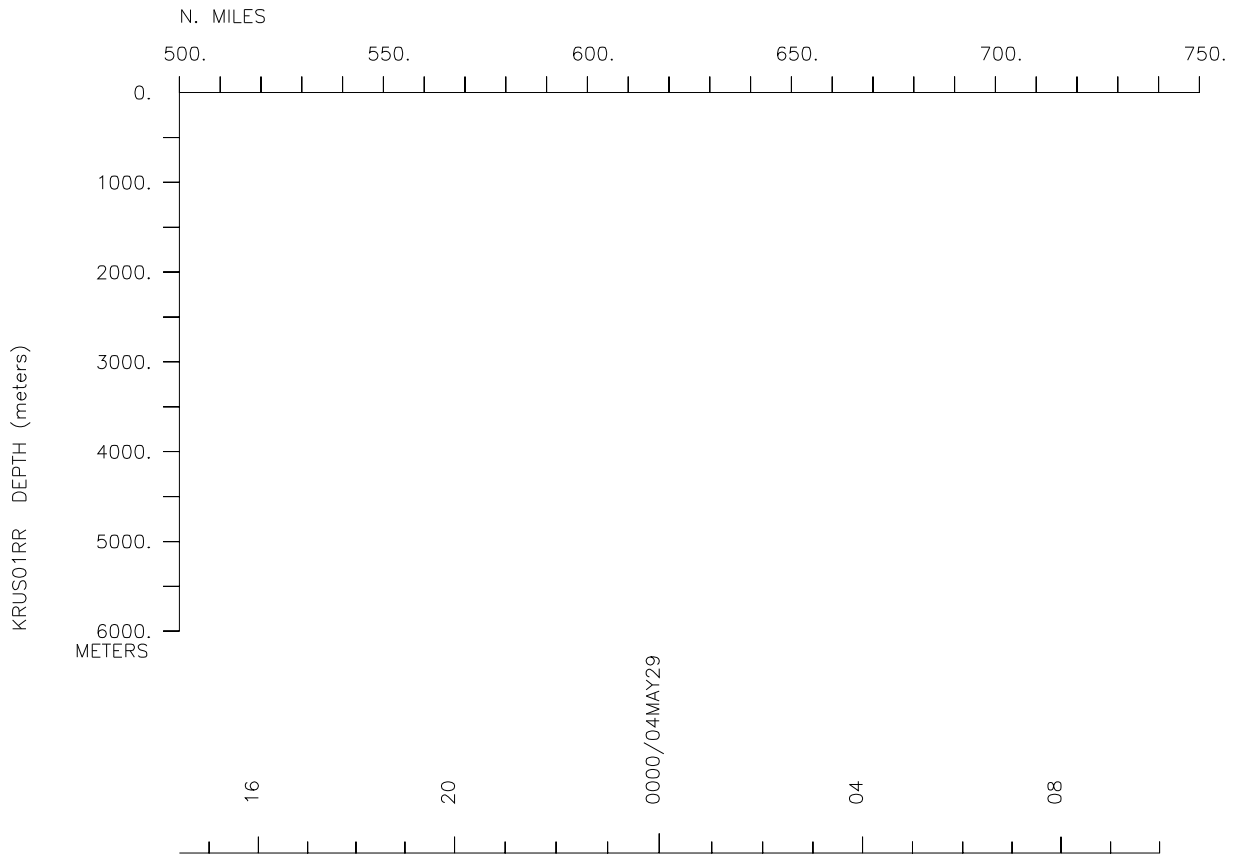
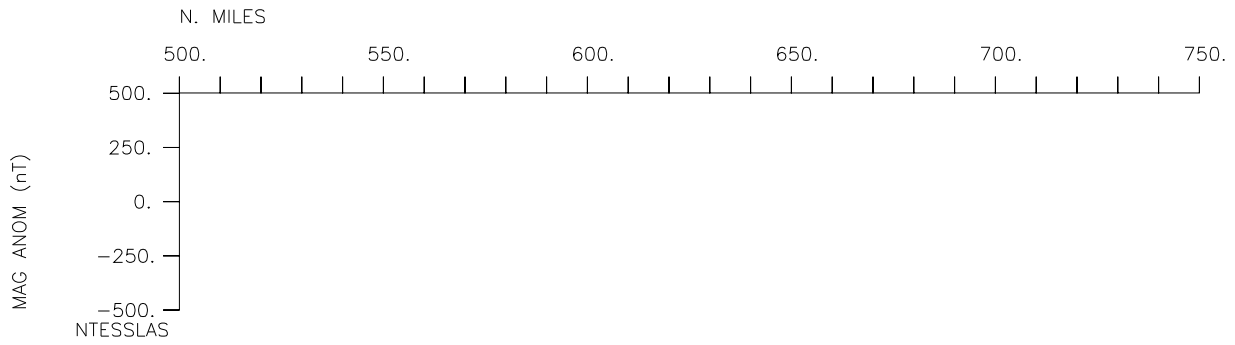
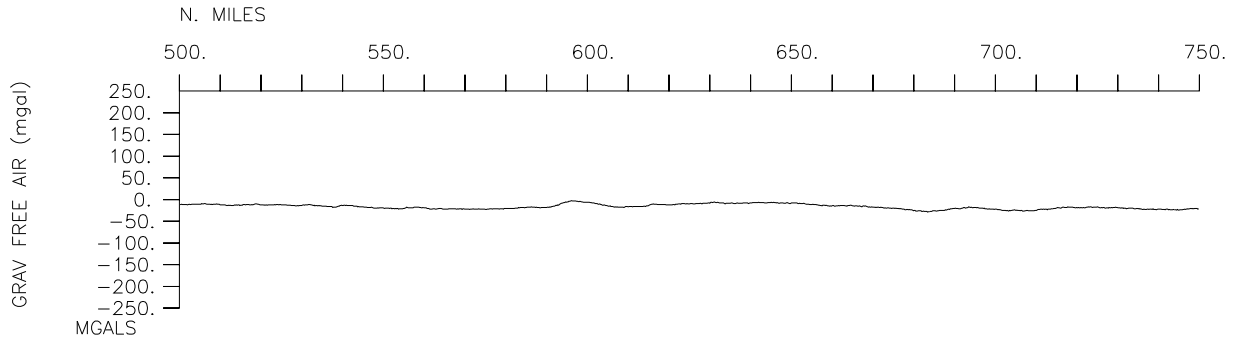
**Gravity-2661 miles**

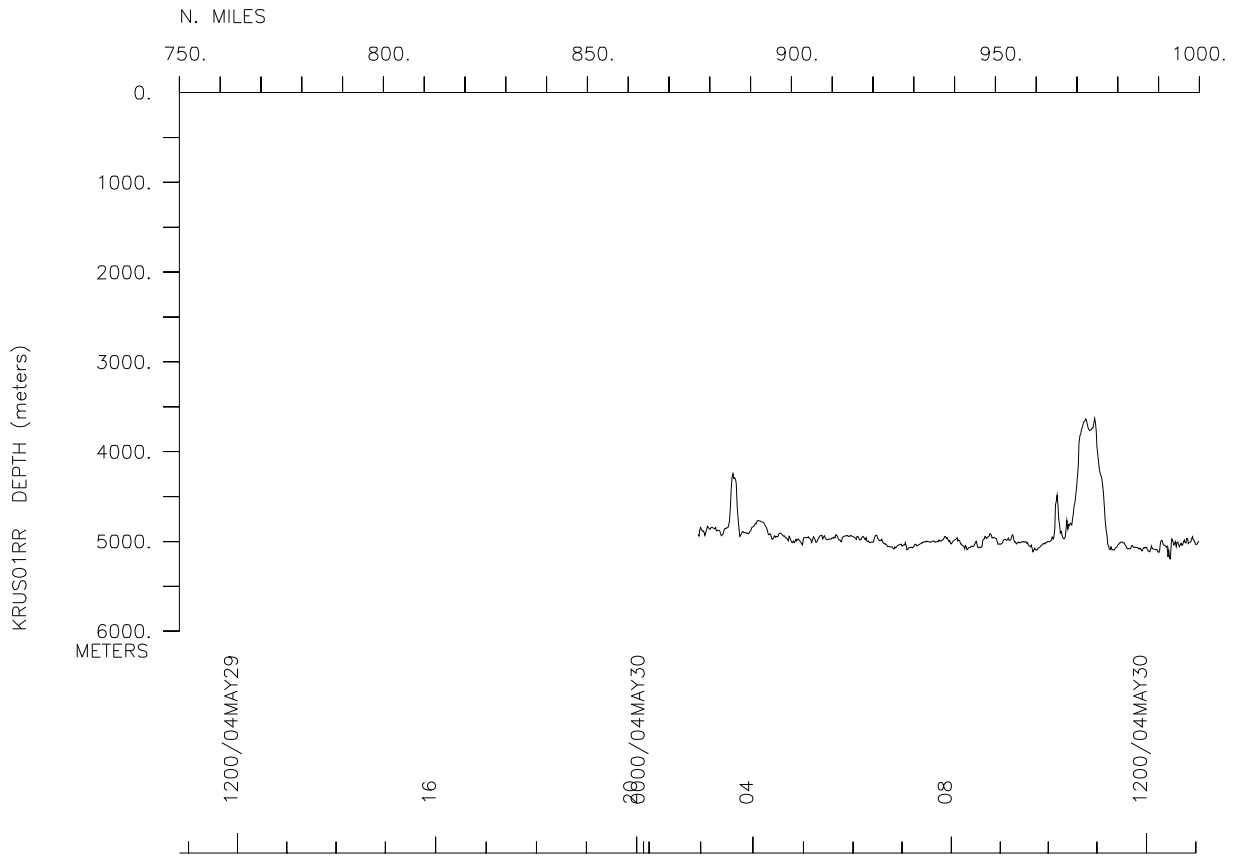
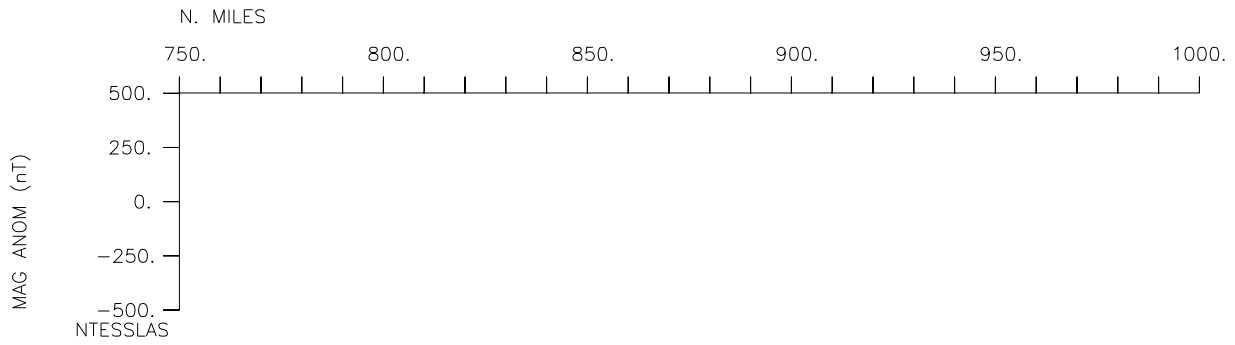
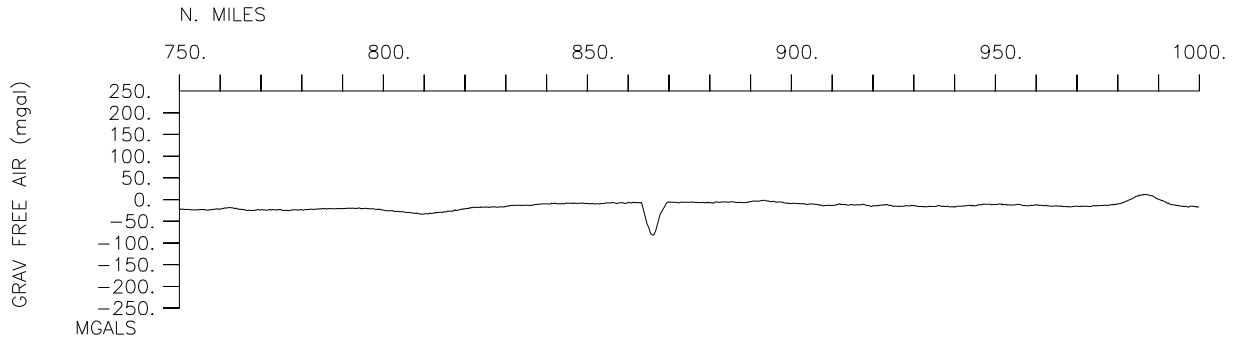
# KRUS01RR



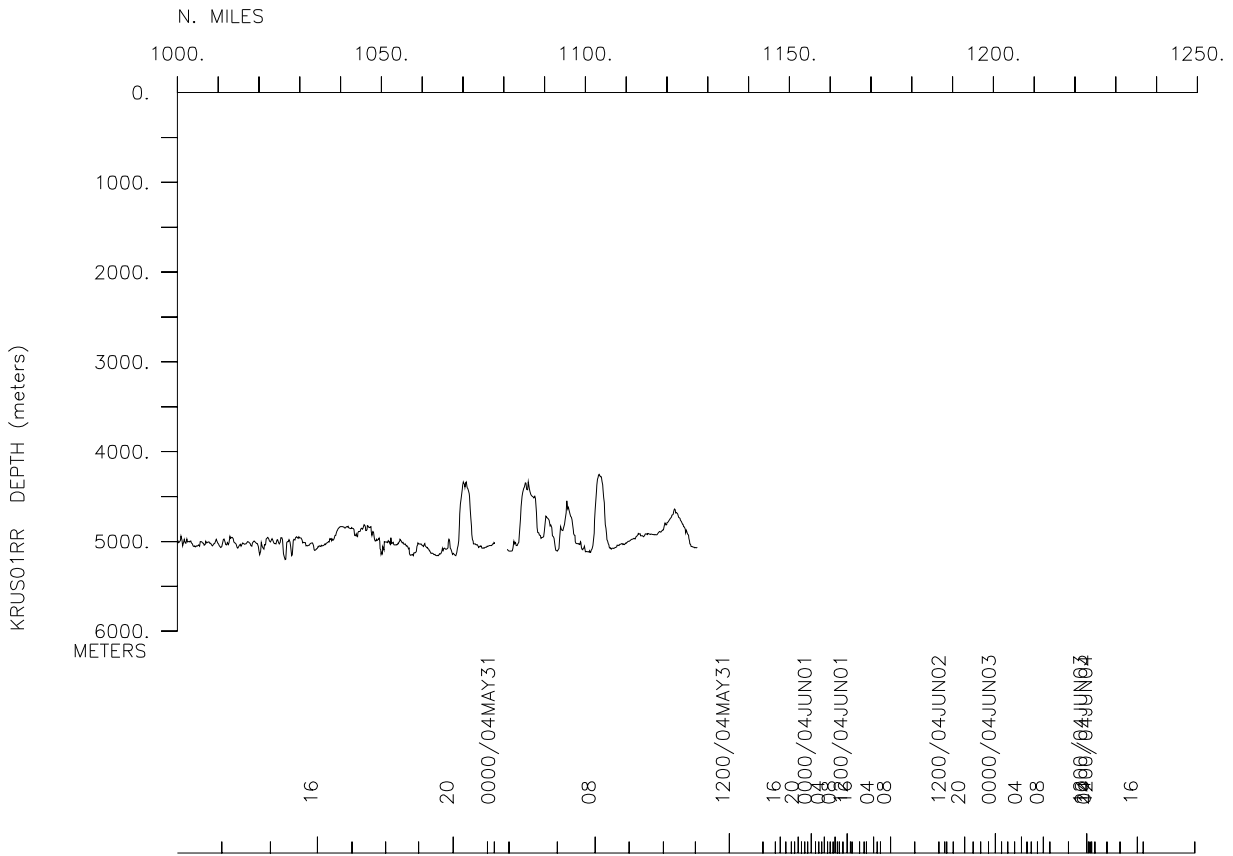
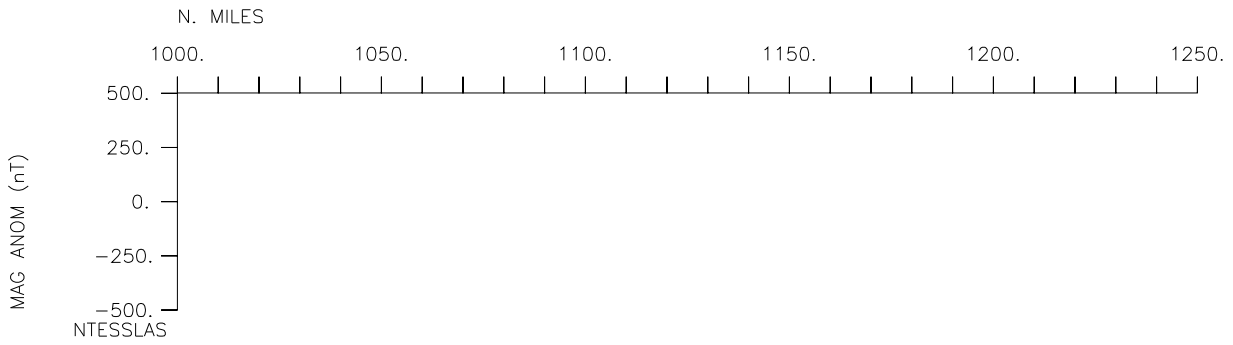
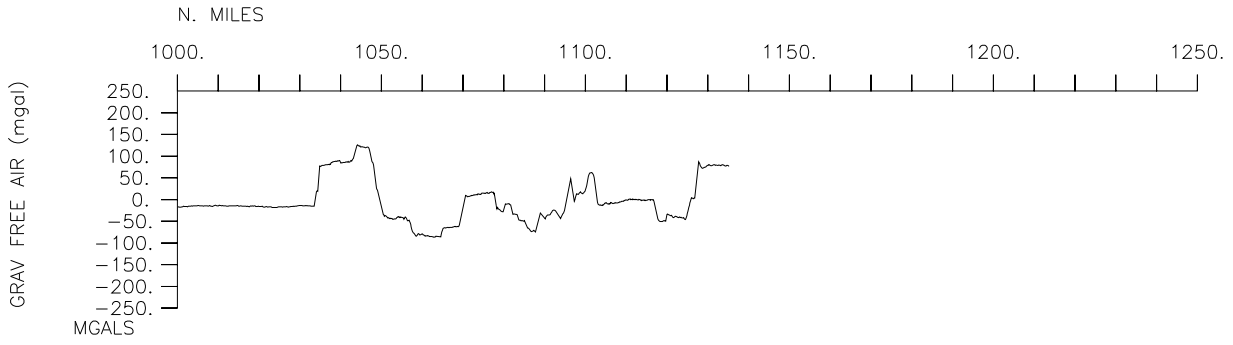


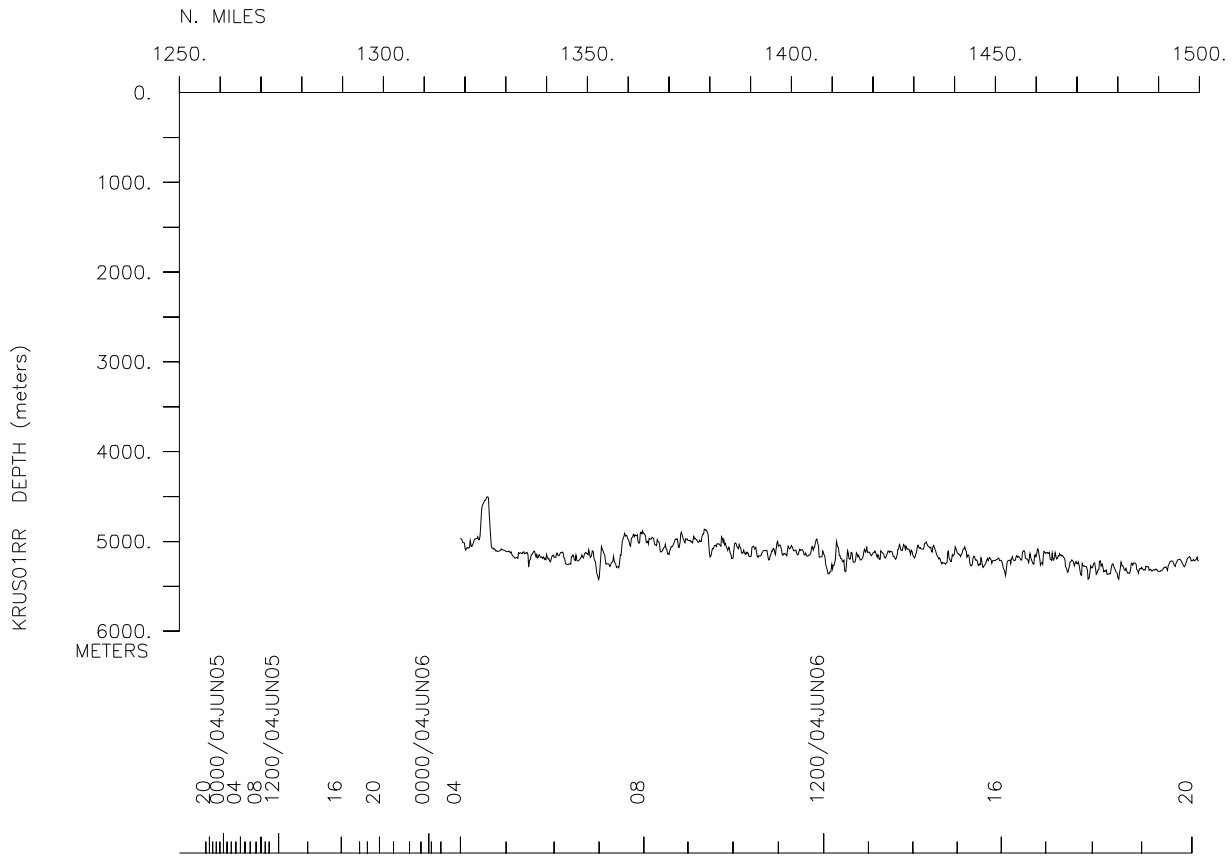
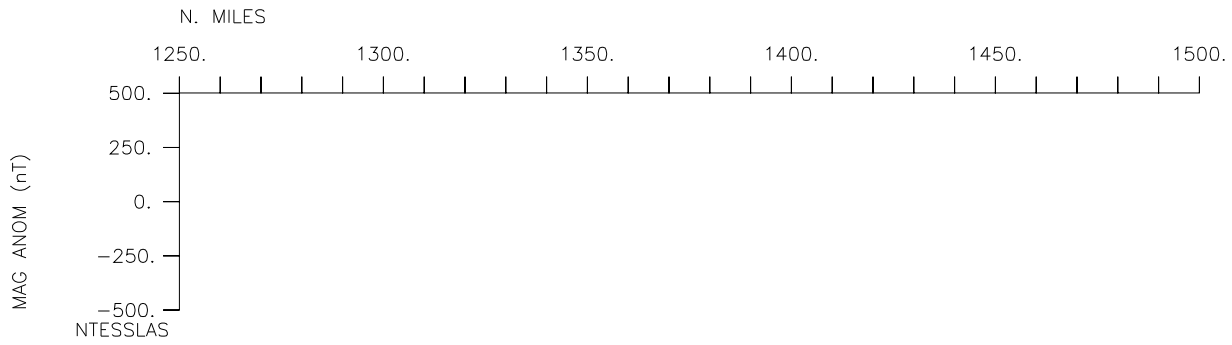
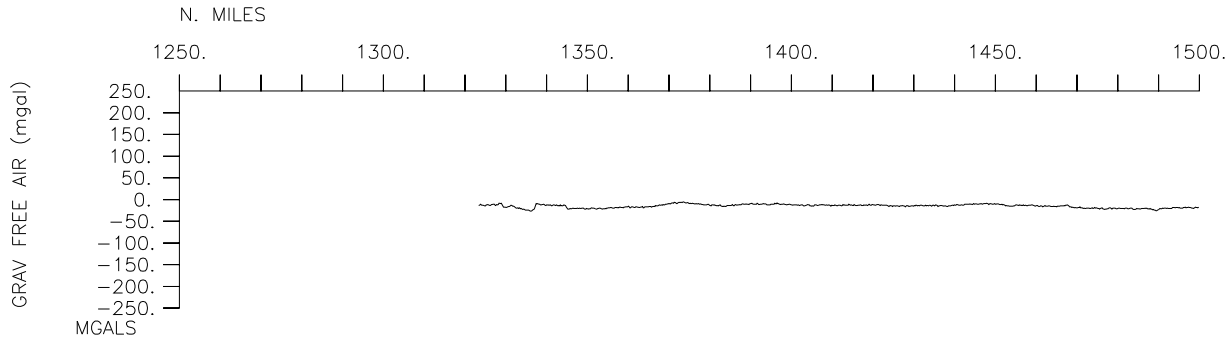


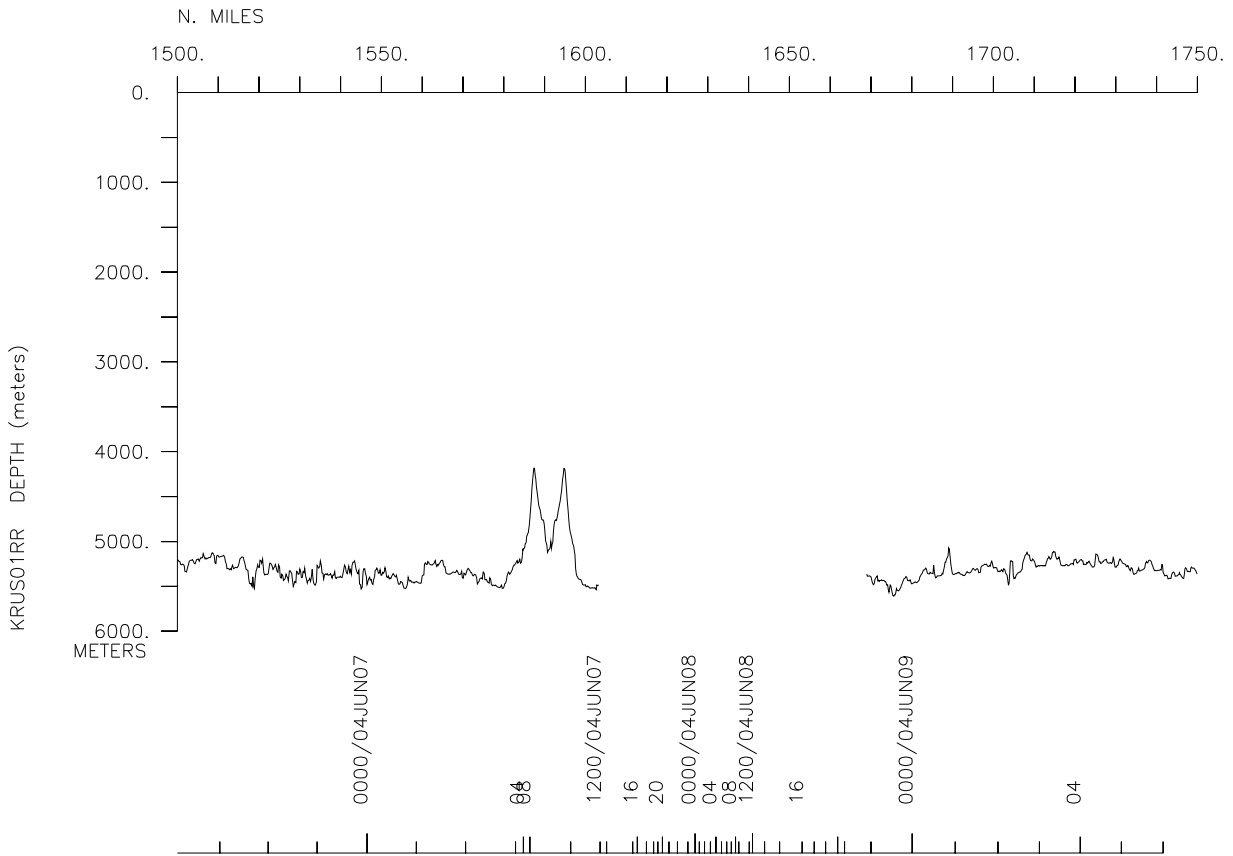
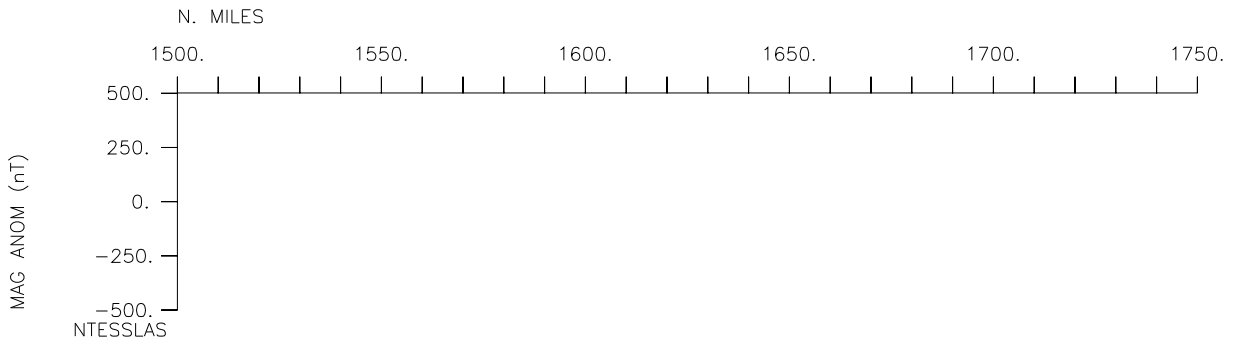
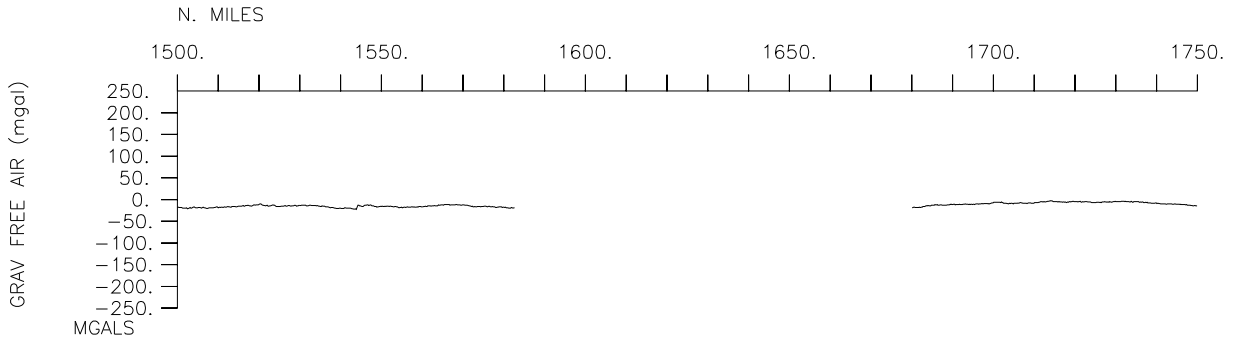


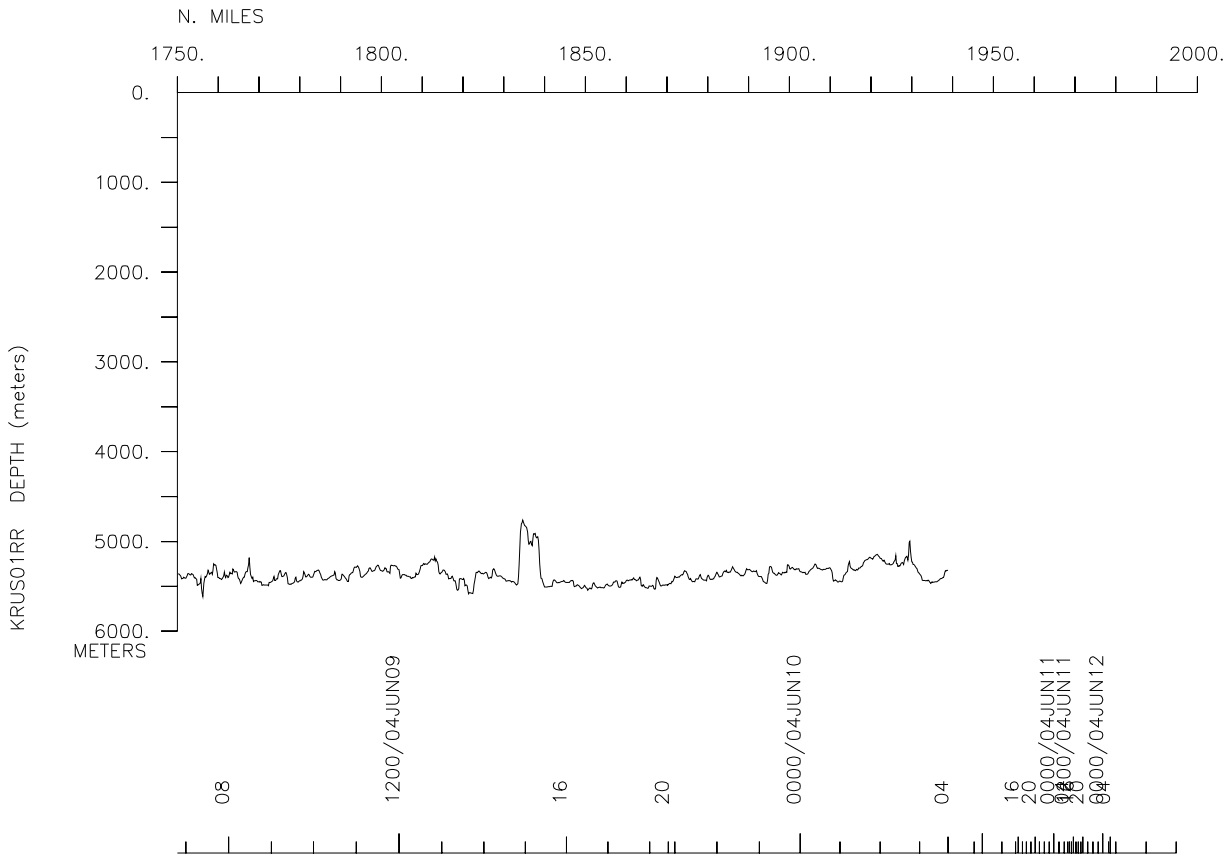
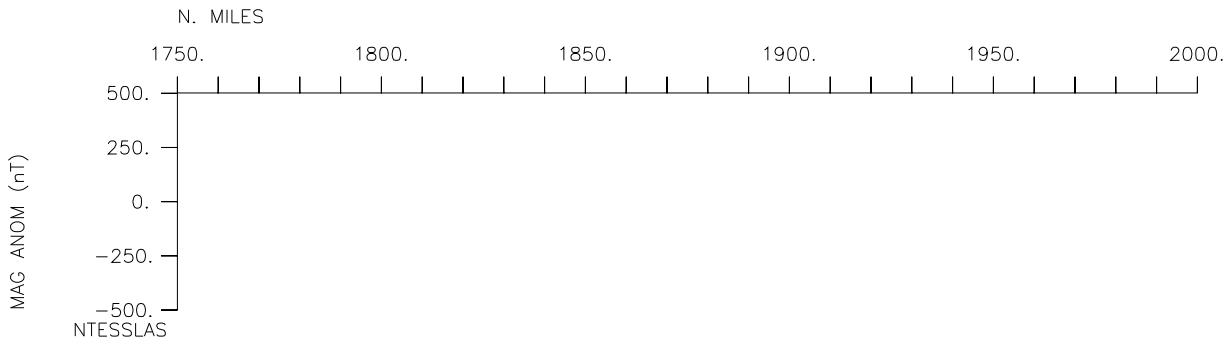
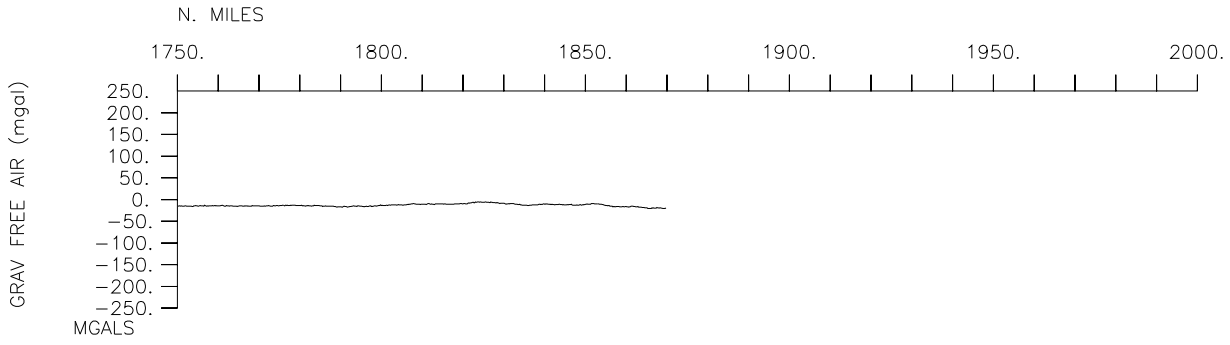


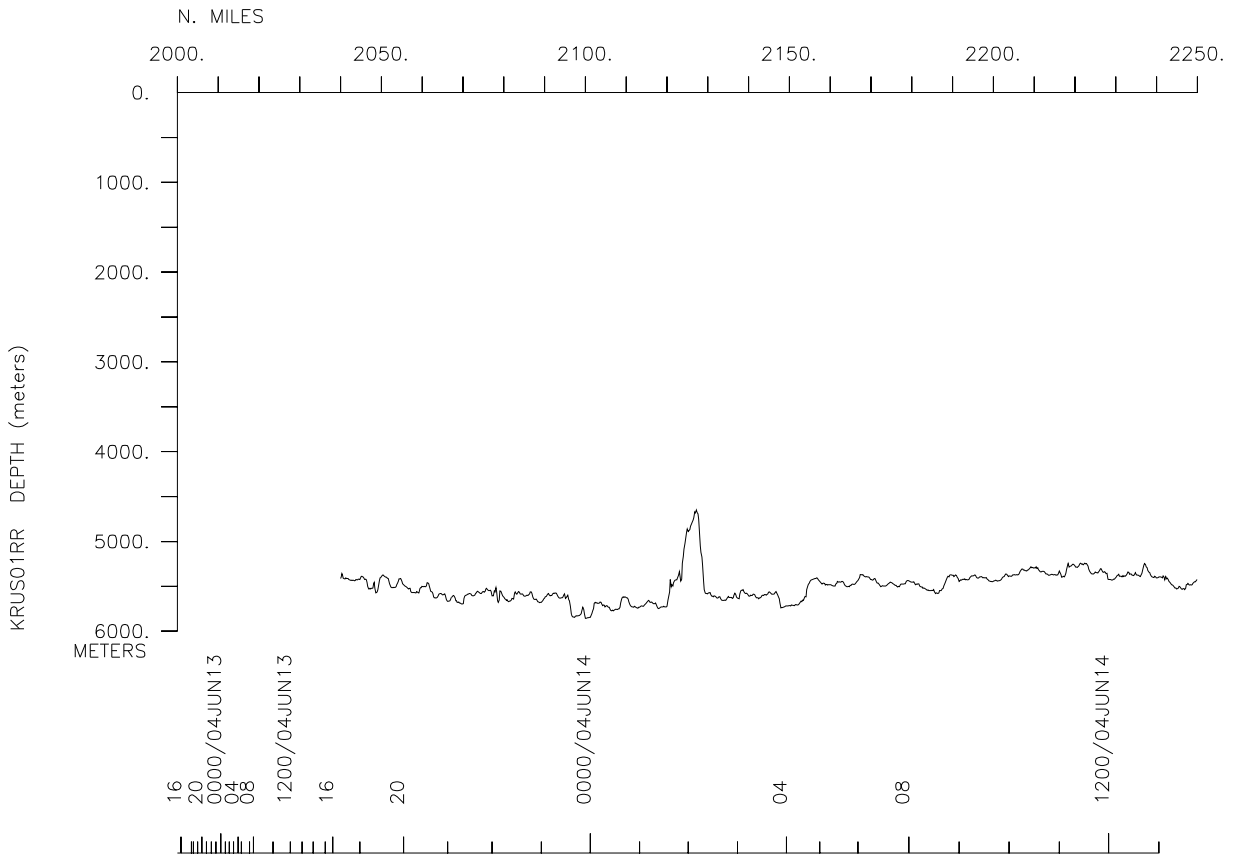
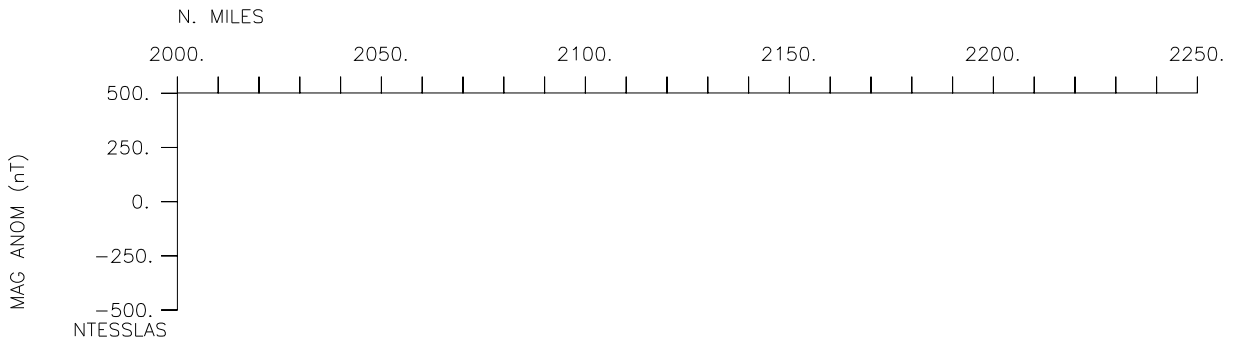
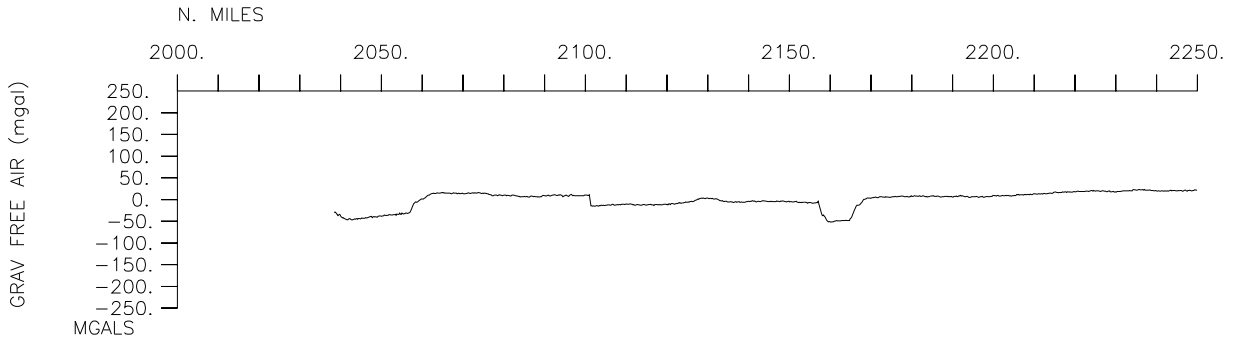


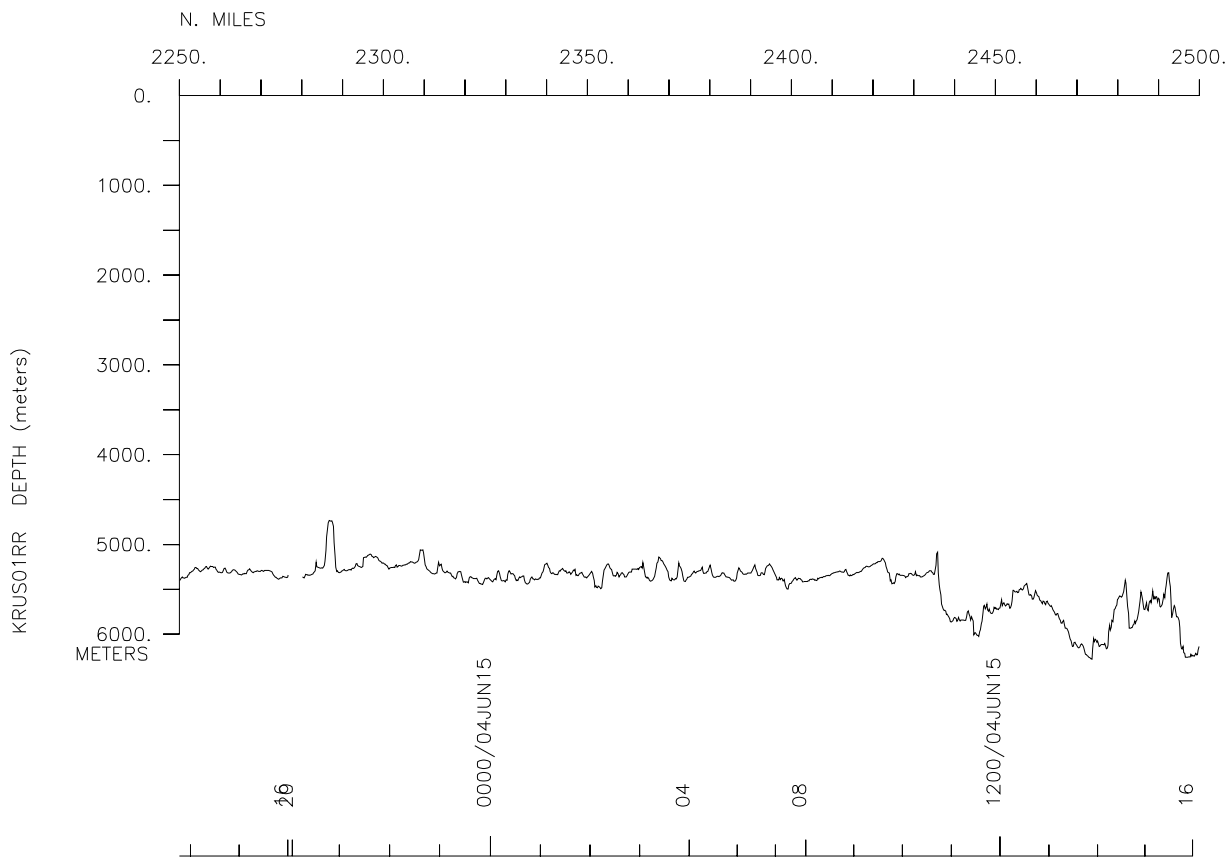
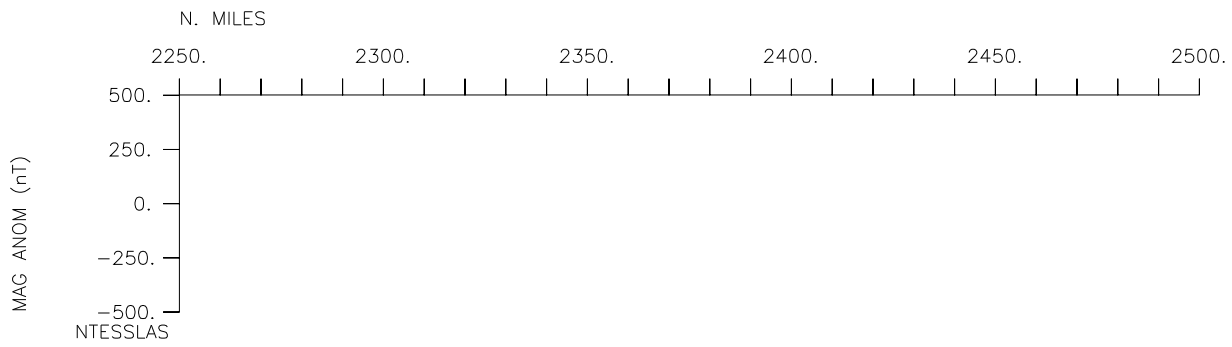
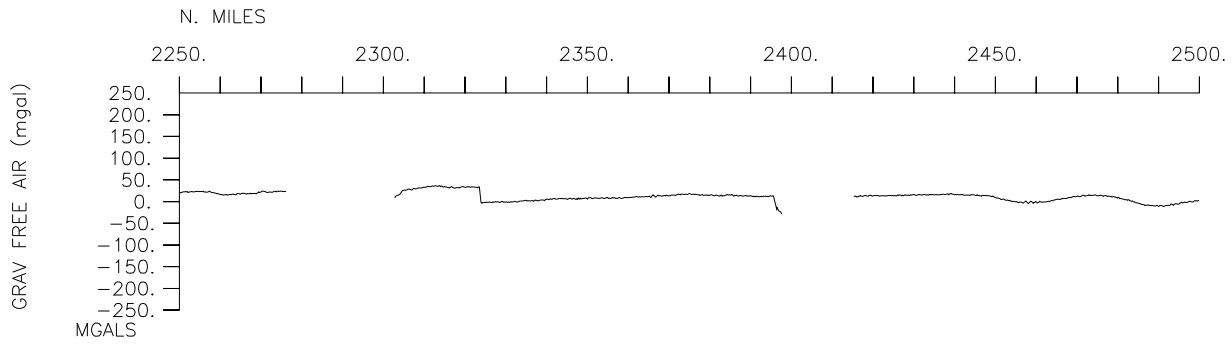


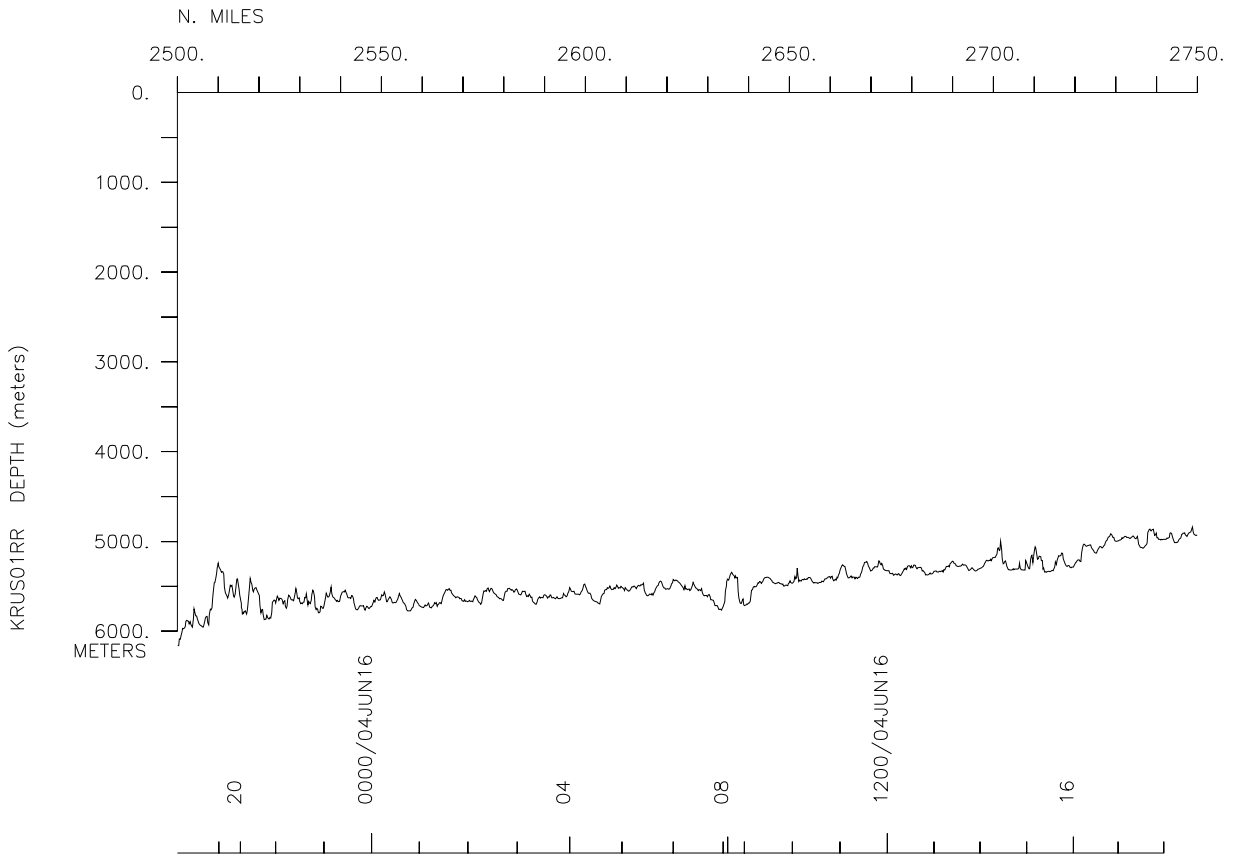
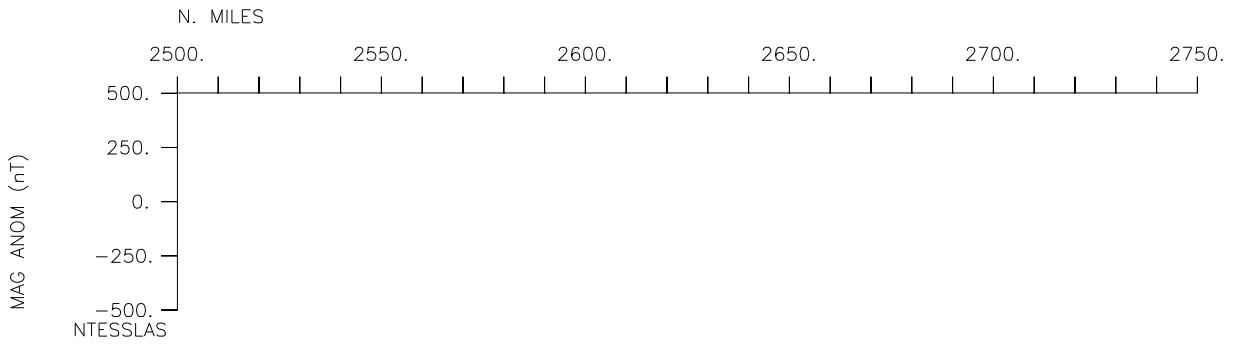
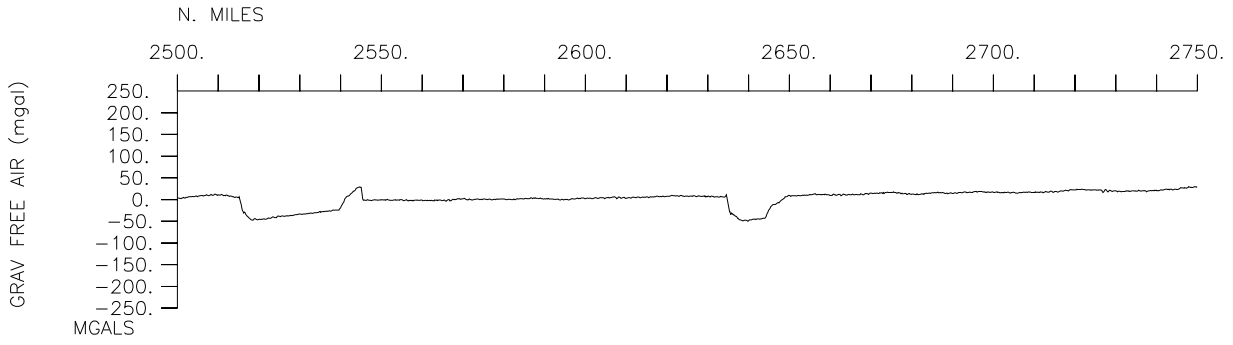


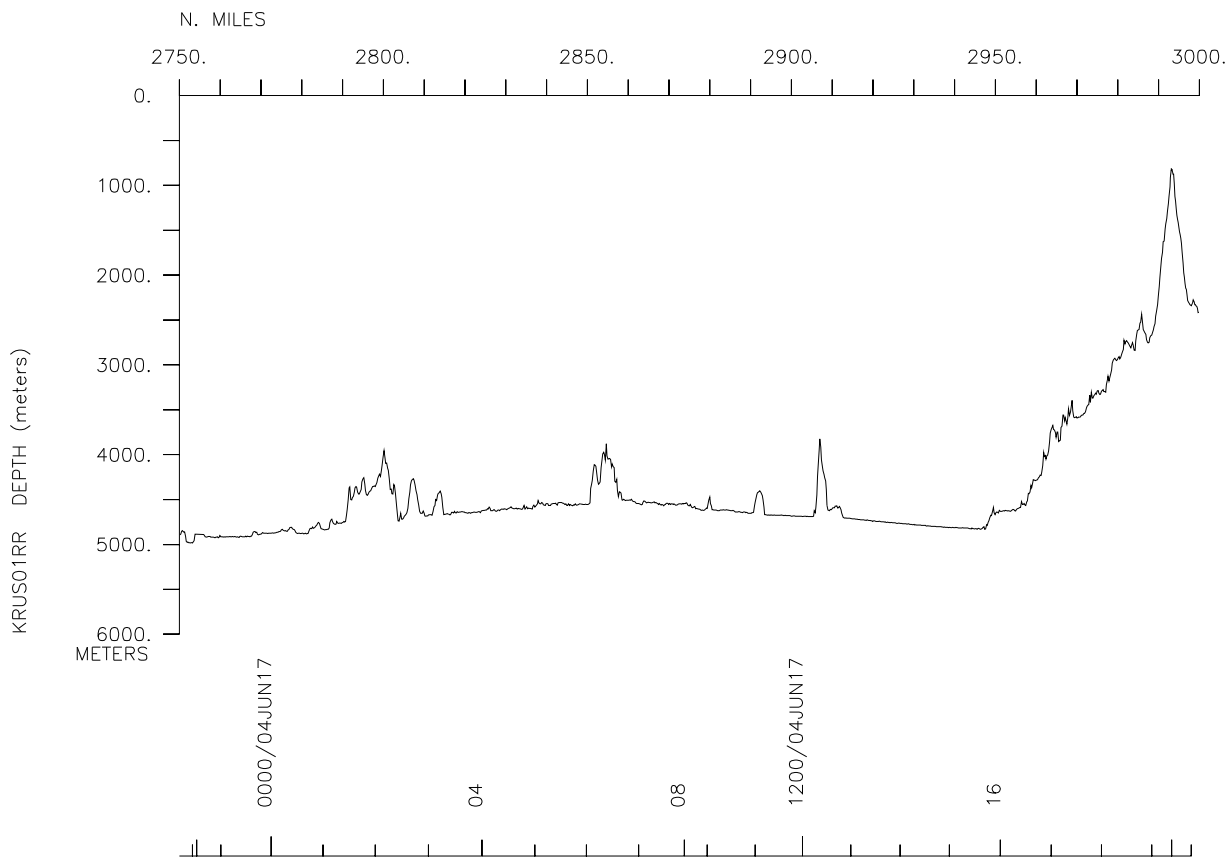
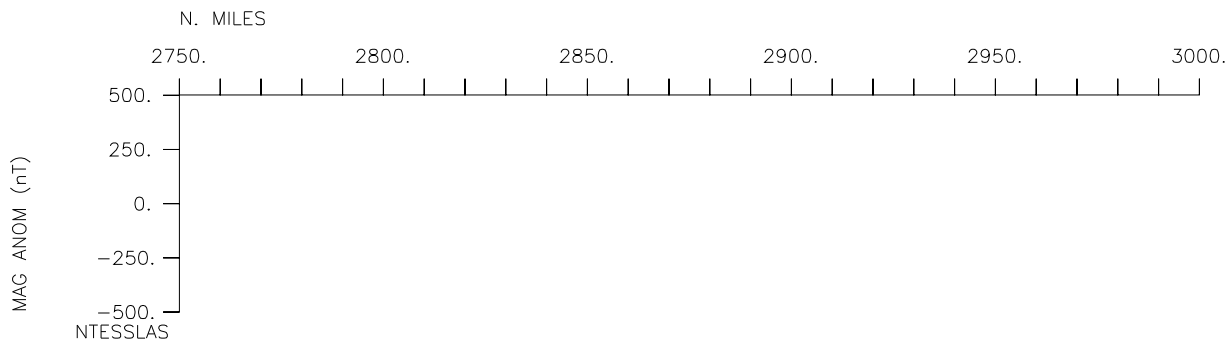
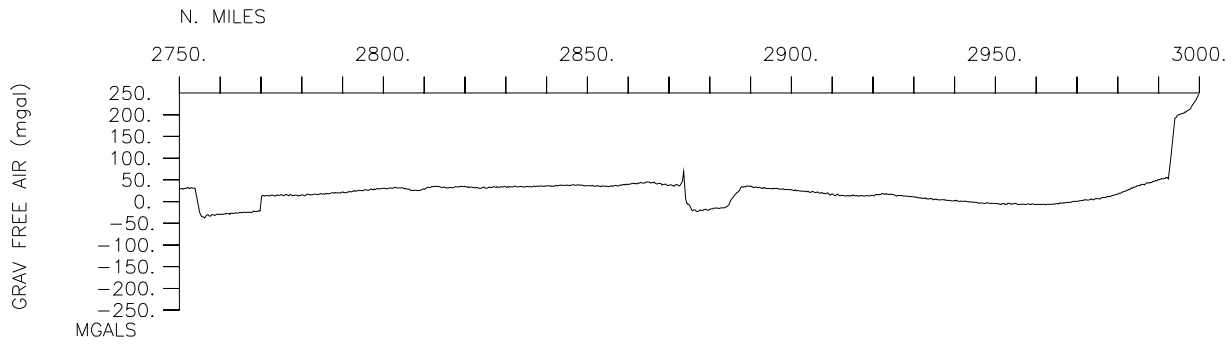




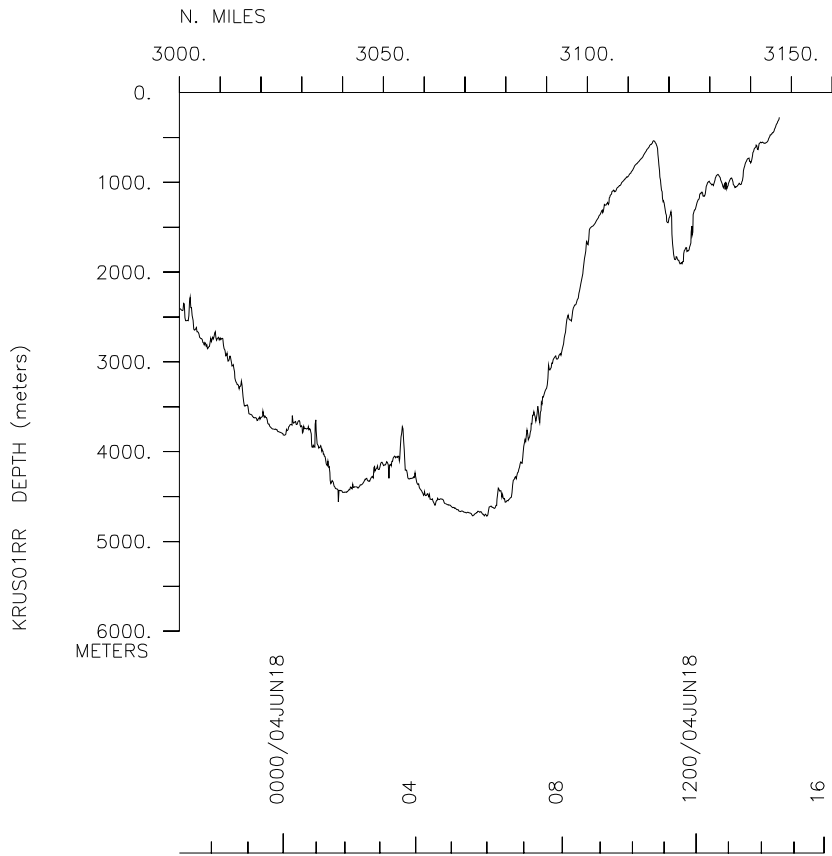
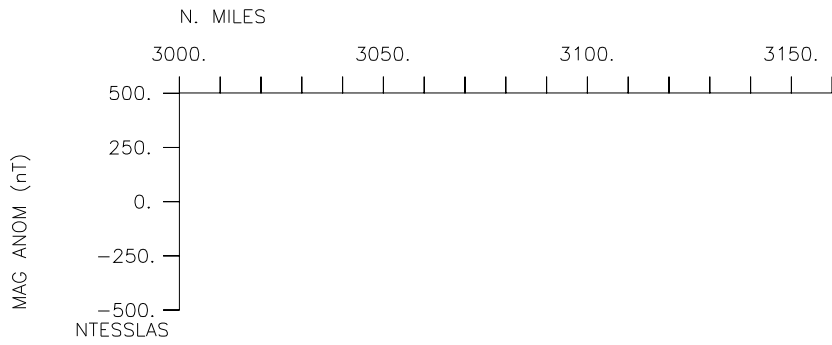
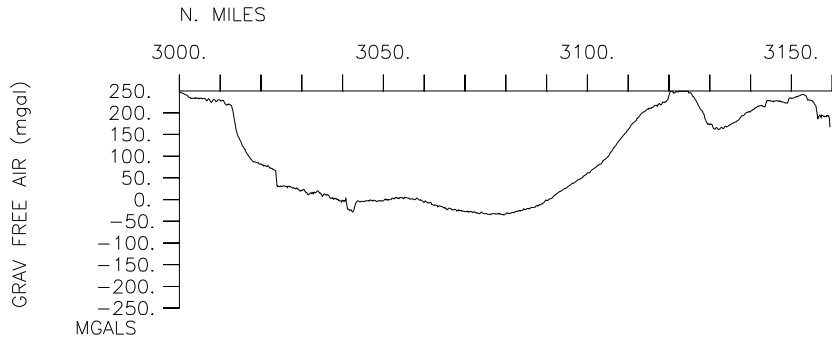












\*\*\*\* Ports \*\*\*

2100 260504 LGPT B San Diego, CA 32-40.00N 117-14.00W f KRUS01RR  
 1640 180604 LGPT E Honolulu, HI 21-18.00N 157-52.00W f KRUS01RR

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

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS	IGPP Worcester, P.	Chief Scientist	Scripps Insitution	KRUS01RR
PESP	WHOI Colosi, J.	Scientist	Woods Hole	KRUS01RR
PESP	IGPP Duong, P.	Technician	Scripps Insitution	KRUS01RR
PESP	IGPP Dzieciuch, M.	Scientist	Scripps Insitution	KRUS01RR
PESP	IGPP Green, L.	Scientist	Scripps Insitution	KRUS01RR
PEST	SIO Hodges, B.	Student	Scripps Insitution	KRUS01RR
PESP	IGPP Horwitt, D.	Programmer	Scripps Insitution	KRUS01RR
PESP	WHOI Kemp, J.	Technician	Woods Hole	KRUS01RR
PESP	PORD Klinke, J.	Technician	Scripps Insitution	KRUS01RR
PESP	IGPP Norenburg, M.	Technician	Scripps Insitution	KRUS01RR
PESP	PORD Rudnick, D.	Scientist	Scripps Insitution	KRUS01RR
PEST	SIO Van uffelen, l.	Student	Scripps Insitution	KRUS01RR
PESP	SIX Wage, K.	Scientist	G. Mason Univ.	KRUS01RR
PEST	WHOI Xu, J.	Student	Woods Hole	KRUS01RR
PEST	UWA Zarnetske, M.	Student	Univ. of Washington	KRUS01RR
PECT	SCG Quiel, B.	Computer tech	Scripps Insitution	KRUS01RR
PERT	STS Wilson, R.	Resident tech	Scripps Insitution	KRUS01RR

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

0257 300504 0 MBSI B SIMRAD multibeam GDC 33-19.53N 134-32.52W g KRUS01RR  
 1433 180604 0 MBSI E SIMRAD multibeam GDC 21-14.94N 158-03.65W g KRUS01RR

\*\*\*\* Digital Gravity \*\*\*

2047 260504 0 GVDD B Digital gravity GDC 32-42.40N 117-14.18W g KRUS01RR  
 1640 180604 0 GVDD E Digital gravity GDC 21-17.98N 157-52.04W g KRUS01RR

\*\*\*\* Integrated Meteorological Acquisition System \*\*\*

2047 260504 0 IMET B weather measurements GDC 32-42.40N 117-14.18W g KRUS01RR  
 1640 180604 0 IMET E weather measurements GDC 21-17.98N 157-52.04W g KRUS01RR

\*\*\*\* Acoustic Doppler Current Profiler \*\*\*

2047 260504 0 ADCP B current measurements GDC 32-42.40N 117-14.18W g KRUS01RR  
 1640 180604 0 ADCP E current measurements GDC 21-17.98N 157-52.04W g KRUS01RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	--	---	-	-----	----	-----	-----	-----	-	-----
#*** Acoustic Mooring Anchored Bottom ***										
1512	010604	0	ACXX	B DVLA acoustic moor.	IGPP	33-25.74N	137-40.93W	g		KRUS01RR
1600	180604	0	ACXX	C DVLA Mooring	IGPP	21-16.68N	157-52.84W	g		KRUS01RR
1007	050604	0	ACXX	B SVLA acoustic moor.	IGPP	33-25.28N	137-44.87W	g		KRUS01RR
1600	180604	0	ACXX	C SVLA mooring	IGPP	21-16.68N	157-52.84W	g		KRUS01RR
0837	080604	0	ACXX	B SPICE S1 mooring	IGPP	34-16.20N	143-00.83W	g		KRUS01RR
1600	180604	0	ACXX	C S1 mooring	IGPP	21-16.68N	157-52.84W	g		KRUS01RR
0442	130604	0	ACXX	B SPICE 2 mooring	IGPP	34-53.40N	148-24.91W	g		KRUS01RR
1600	180604	0	ACXX	C S2 mooring	IGPP	21-16.68N	157-52.84W	g		KRUS01RR
#*** Conductivity, Temperature, Depth ***										
#*** Towed and Self Contained CTDs ***										
1808	030604	0	TDCT	B TS	5201M	PORD	33-39.43N	137-44.58W	g	KRUS01RR
1854	030604	0	TDCT	E TS	5201M	PORD	33-39.43N	137-44.58W	g	KRUS01RR
1930	030604	0	TDCT	B TS	5203M	PORD	33-39.43N	137-44.58W	g	KRUS01RR
2024	030604	0	TDCT	E TS	5203M	PORD	33-39.43N	137-44.57W	g	KRUS01RR
0603	040604	0	TDCT	B TS	5202M	PORD	33-39.43N	137-44.59W	g	KRUS01RR
0740	040604	0	TDCT	E TS	5202M	PORD	33-39.43N	137-44.58W	g	KRUS01RR
1005	070604	0	TDCT	B TS	5450M	PORD	34-12.56N	143-01.67W	g	KRUS01RR
1326	070604	0	TDCT	E TS	5450M	PORD	34-12.56N	143-01.67W	g	KRUS01RR
0634	100604	0	TDCT	B TS	5315M	PORD	34-53.49N	148-31.18W	g	KRUS01RR
0948	100604	0	TDCT	E TS	5315M	PORD	34-53.49N	148-31.18W	g	KRUS01RR
0429	120604	0	TDCT	B TS		PORD	34-55.76N	148-35.30W	g	KRUS01RR
0451	120604	0	TDCT	E TS		PORD	34-55.76N	148-35.30W	g	KRUS01RR
0601	120604	0	TDCT	B TS	5400M	PORD	34-55.76N	148-35.30W	g	KRUS01RR
0641	120604	0	TDCT	E TS	5400M	PORD	34-55.76N	148-35.30W	g	KRUS01RR
0455	140604	0	TDCT	B TS	5425M	PORD	33-22.70N	149-57.76W	g	KRUS01RR
0559	140604	0	TDCT	E TS	5425M	PORD	33-22.70N	149-57.76W	g	KRUS01RR
1602	140604	0	TDCT	B TS	5327M	PORD	31-50.89N	151-27.86W	g	KRUS01RR
1926	140604	0	TDCT	E TS	5327M	PORD	31-50.90N	151-27.81W	g	KRUS01RR
0549	150604	0	TDCT	B TS	5317M	PORD	30-18.08N	152-54.89W	g	KRUS01RR
0702	150604	0	TDCT	E TS	5317M	PORD	30-18.04N	152-54.92W	g	KRUS01RR
1735	150604	0	TDCT	B TS	5545M	PORD	28-44.21N	154-19.38W	g	KRUS01RR
2052	150604	0	TDCT	E TS	5545M	PORD	28-44.21N	154-19.38W	g	KRUS01RR
0718	160604	0	TDCT	B TS	5405M	PORD	27-09.51N	155-41.29W	g	KRUS01RR
0819	160604	0	TDCT	E TS	5405M	PORD	27-09.48N	155-41.23W	g	KRUS01RR
1920	160604	0	TDCT	B TS	4875M	PORD	25-34.06N	157-00.92W	g	KRUS01RR
2221	160604	0	TDCT	E TS	4875M	PORD	25-34.06N	157-00.92W	g	KRUS01RR
0807	170604	0	TDCT	B TS	4531M	PORD	23-57.81N	158-18.52W	g	KRUS01RR
0914	170604	0	TDCT	E TS	4531M	PORD	23-57.81N	158-18.53W	g	KRUS01RR
1938	170604	0	TDCT	B TS	809M	PORD	22-20.95N	159-34.20W	g	KRUS01RR
2017	170604	0	TDCT	E TS	809M	PORD	22-20.95N	159-34.20W	g	KRUS01RR

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

\*\*\*\* Expendable Bathythermographs \*\*\*\*

0240	300504	0	BTXP	MK12	#	1	Fast_Deep	GDC	33-19.37N	134-28.17W	g	KRUS01RR
0542	310504	0	BTXP	MK12	#	2	Fast_Deep	GDC	33-24.48N	137-40.24W	g	KRUS01RR
0416	060604	0	BTXP	MK12	#	3	Fast_Deep	GDC	33-26.96N	137-49.86W	g	KRUS01RR
0015	070604	0	BTXP	MK12	#	4	Fast_Deep	GDC	34-12.43N	142-18.45W	g	KRUS01RR
2234	080604	0	BTXP	MK12	#	5	Fast_Deep	GDC	34-16.21N	143-02.38W	g	KRUS01RR
2117	090604	0	BTXP	MK12	#	6	Fast_Deep	GDC	34-46.09N	147-13.78W	g	KRUS01RR
1814	130604	0	BTXP	MK12	#	7	Fast_Deep	GDC	34-53.35N	148-24.48W	g	KRUS01RR

# End Sample Index KRUS01RR