

*Report and Index of
Underway Marine Geophysical Data*

Long Range Ocean Acoustic Propagation Experiment

Leg 02

(LFEX02MV)

R/V Melville

(Issued Jan 2005)

Ports:

Honolulu, HI (16-Oct-2004)
to
San Diego, CA (08-Nov-2004)

Chief Scientist: Ken Johnson
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Computer Tech - Scott Allen
Resident Tech - Ron Comer

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#303

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.

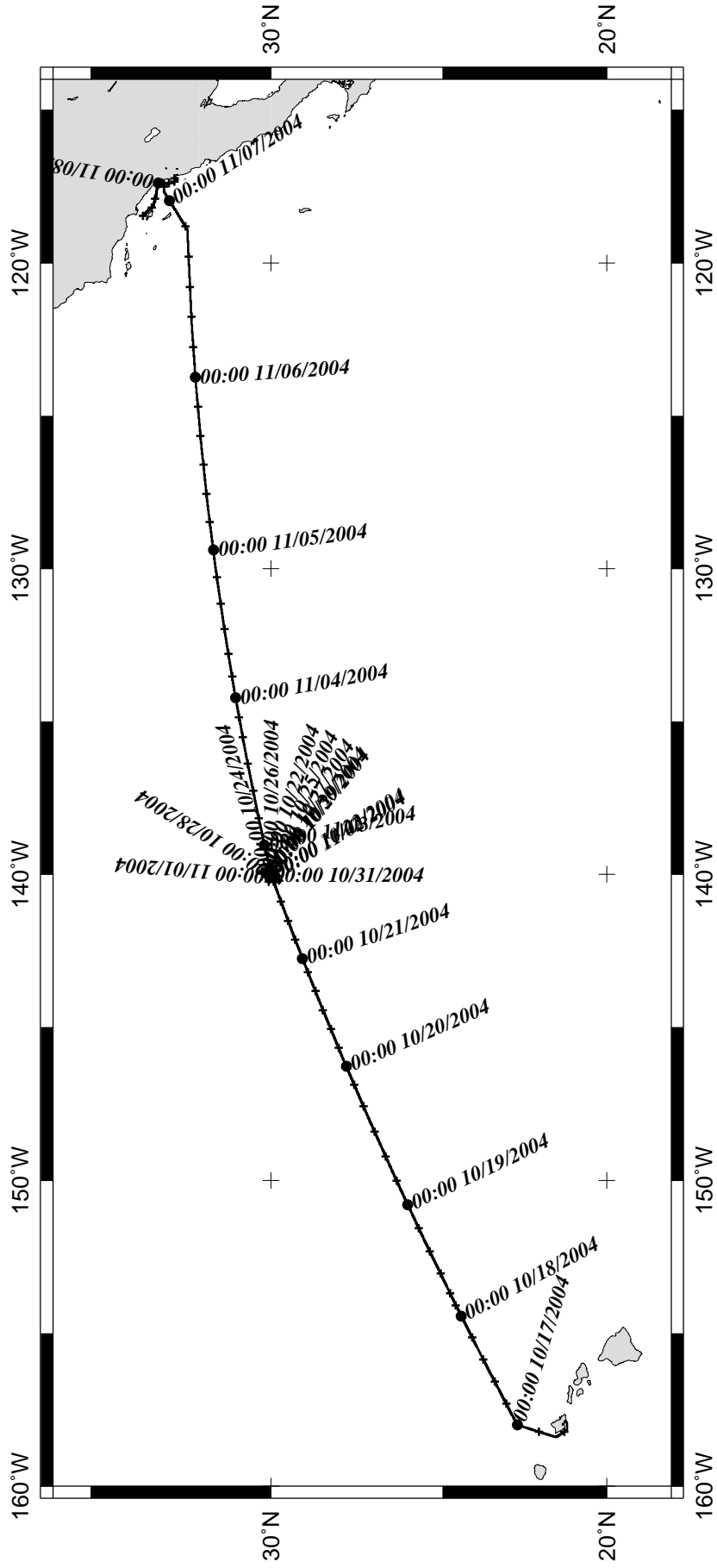
Note:

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>

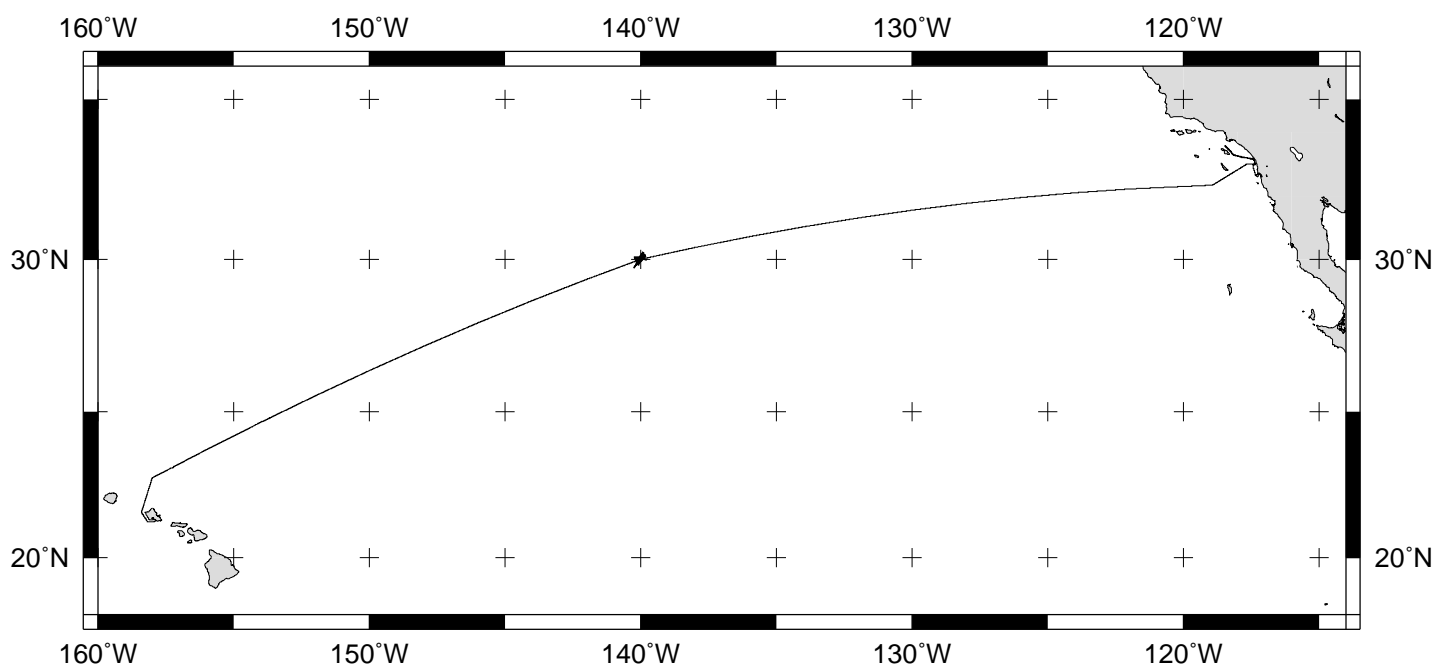
Rev 05/2002

LFEX02MV



:Honolulu, Hawaii to San Diego, California 16 October - 8 November 2004:

GMT 2005 Jan 31 15:28:56



Long Range Ocean Acoustic Propagation Experiment (LFEX01MV)

CHIEF SCIENTIST: Ken Johnson, Moss Landing Marine Lab.

PORTS: Honolulu, Hawaii to San Diego, California

DATES: 16 October - 8 November 2004

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-3166 miles

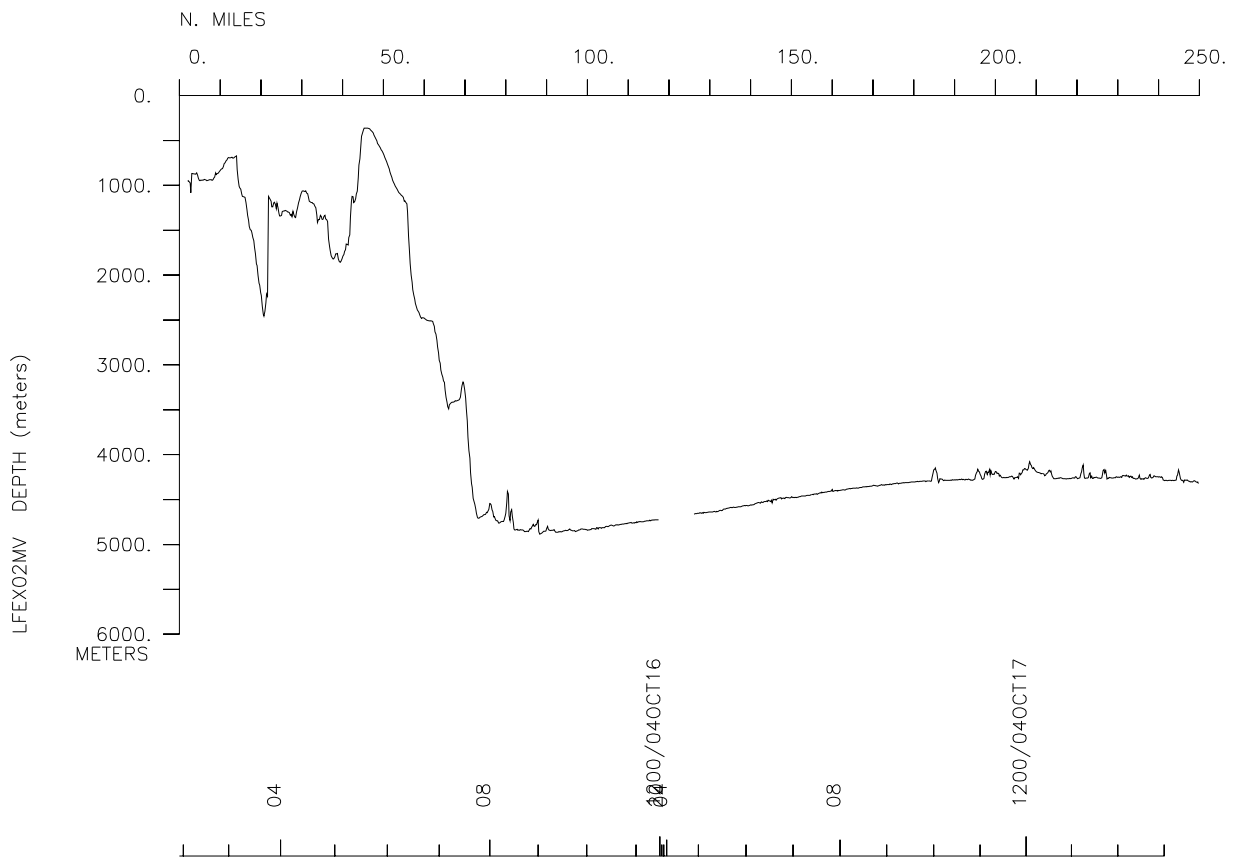
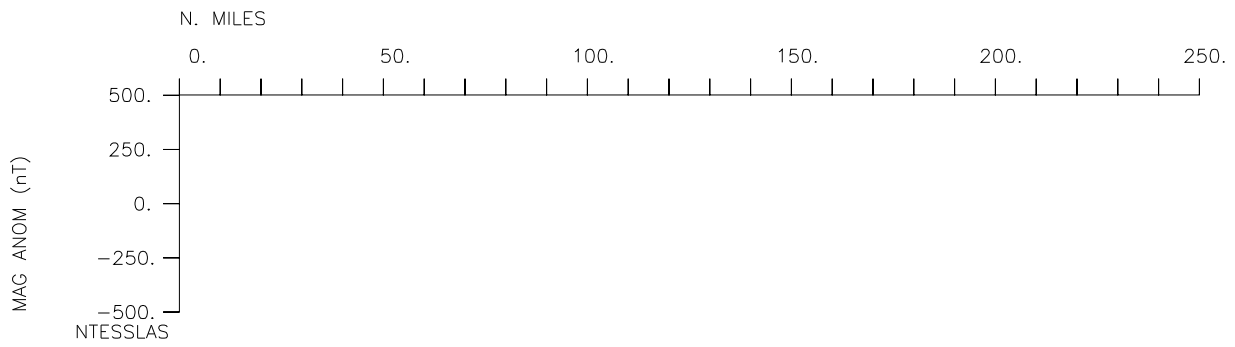
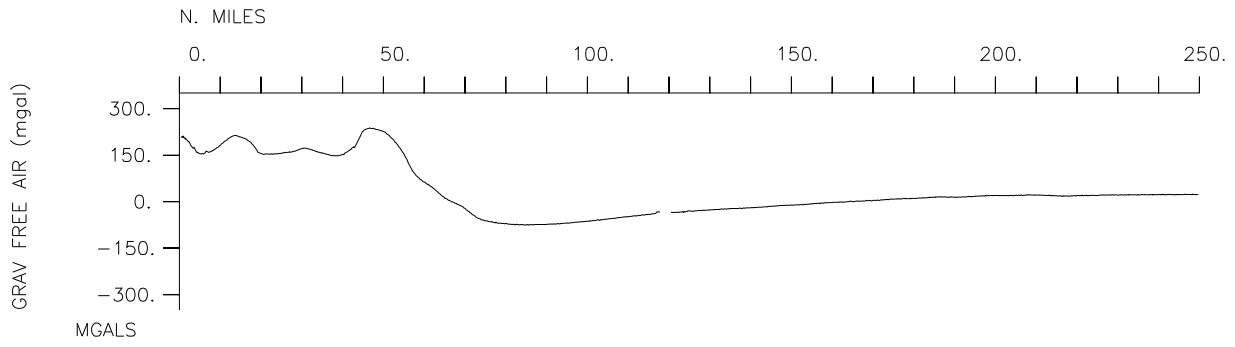
Magnetics-none collected

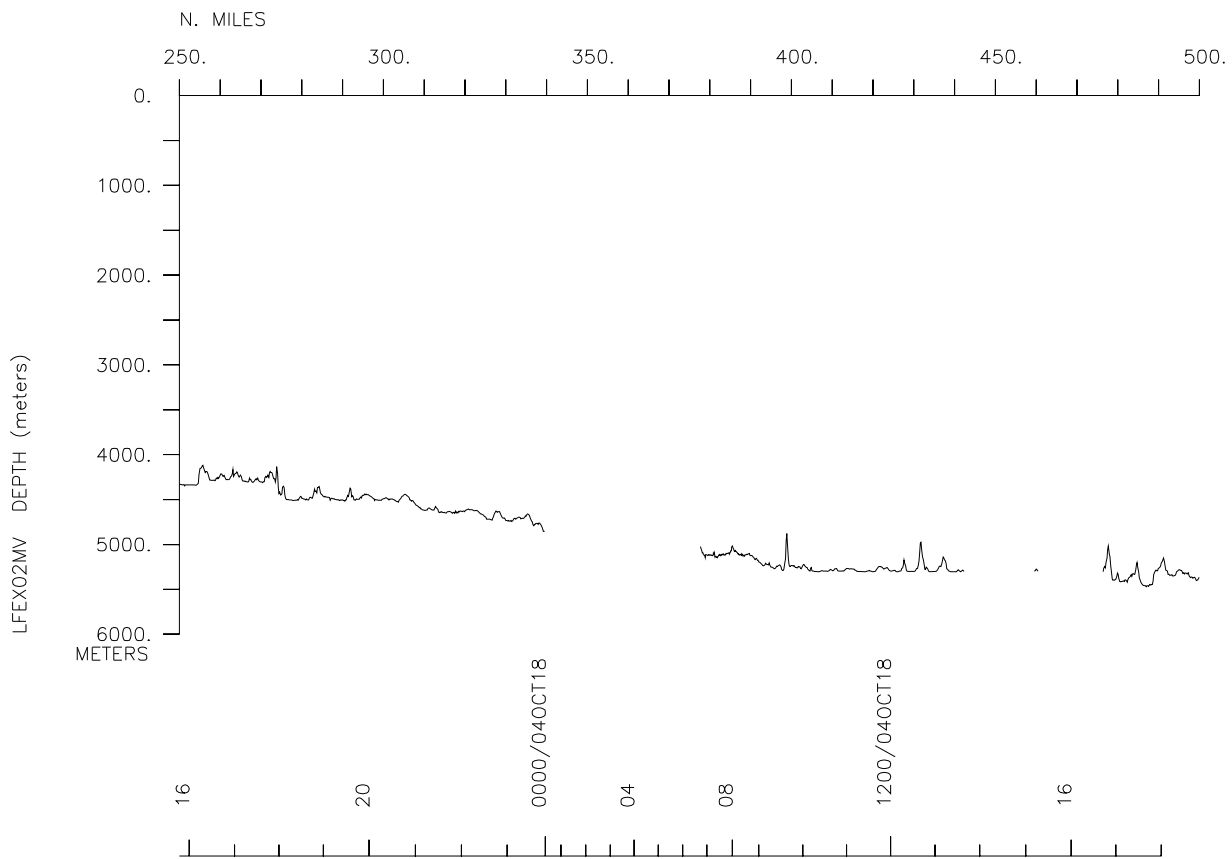
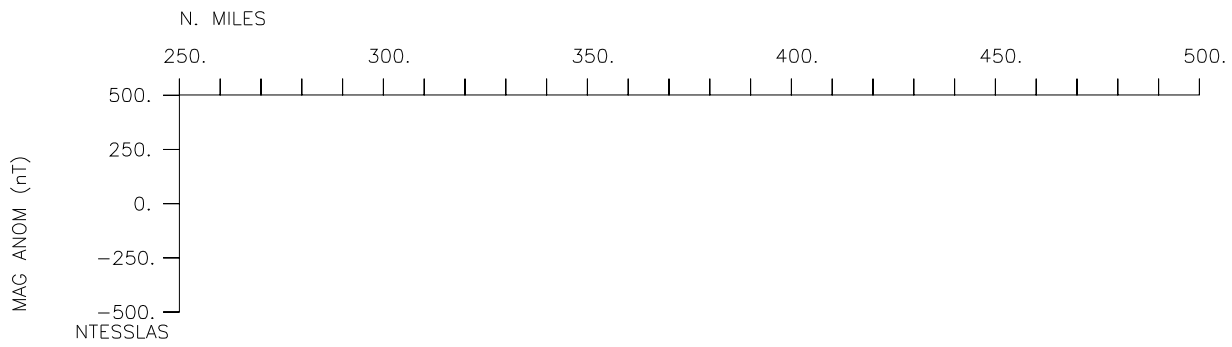
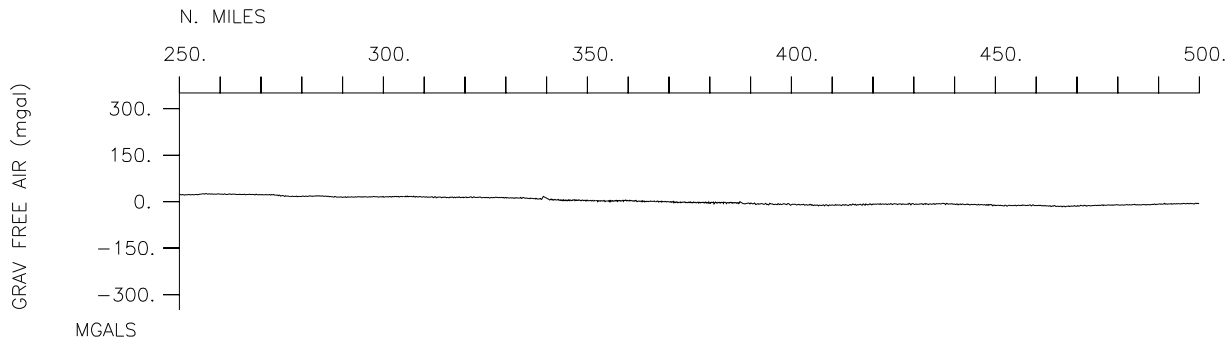
Bathymetry-2246 miles

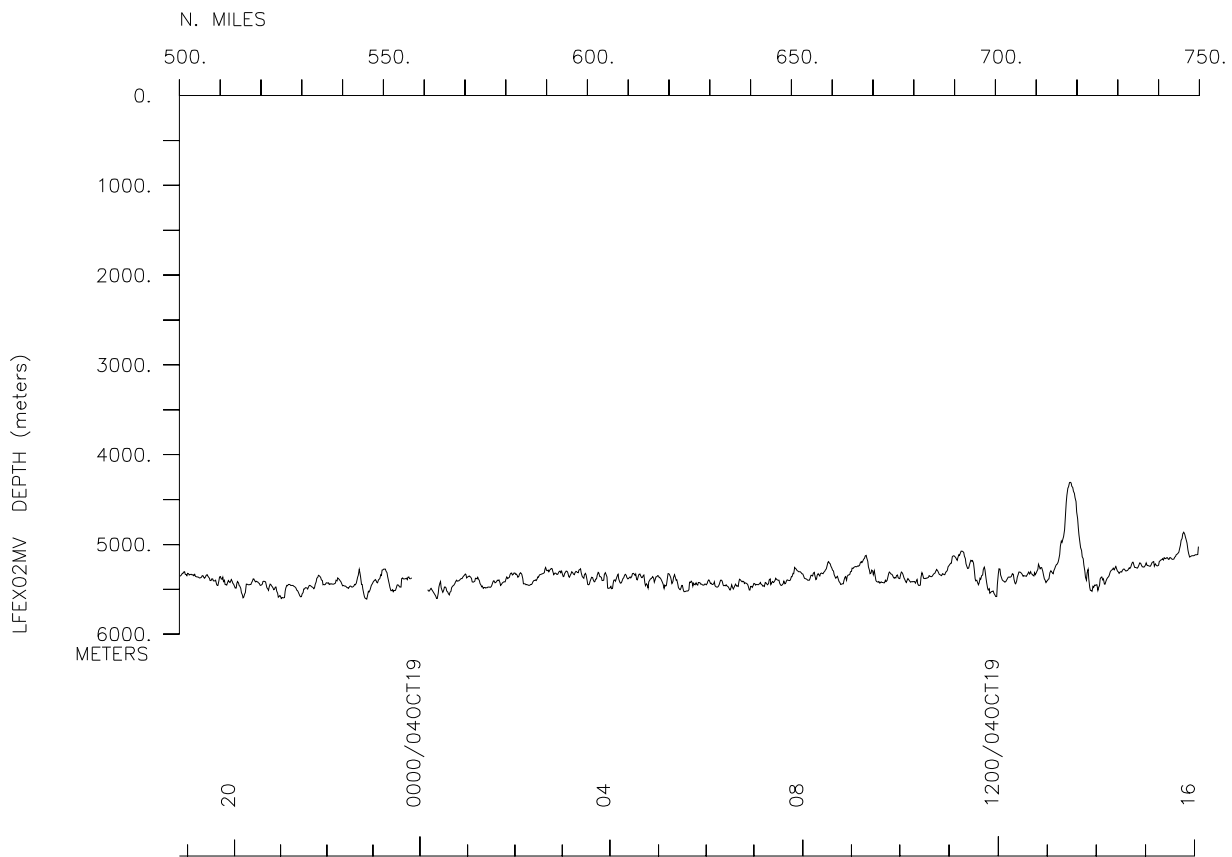
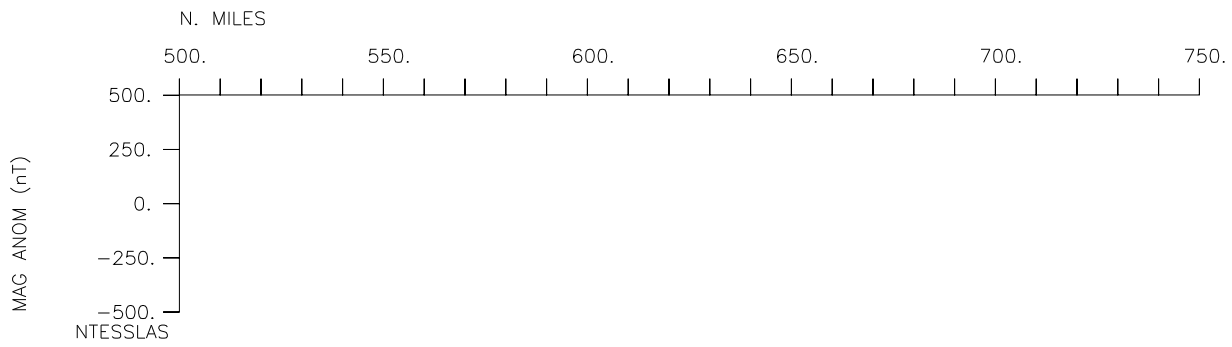
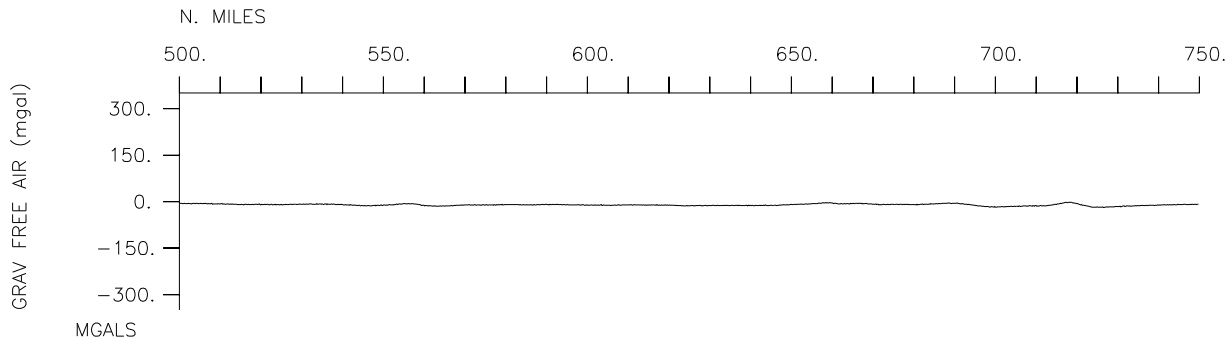
Seismic Reflection-none collected

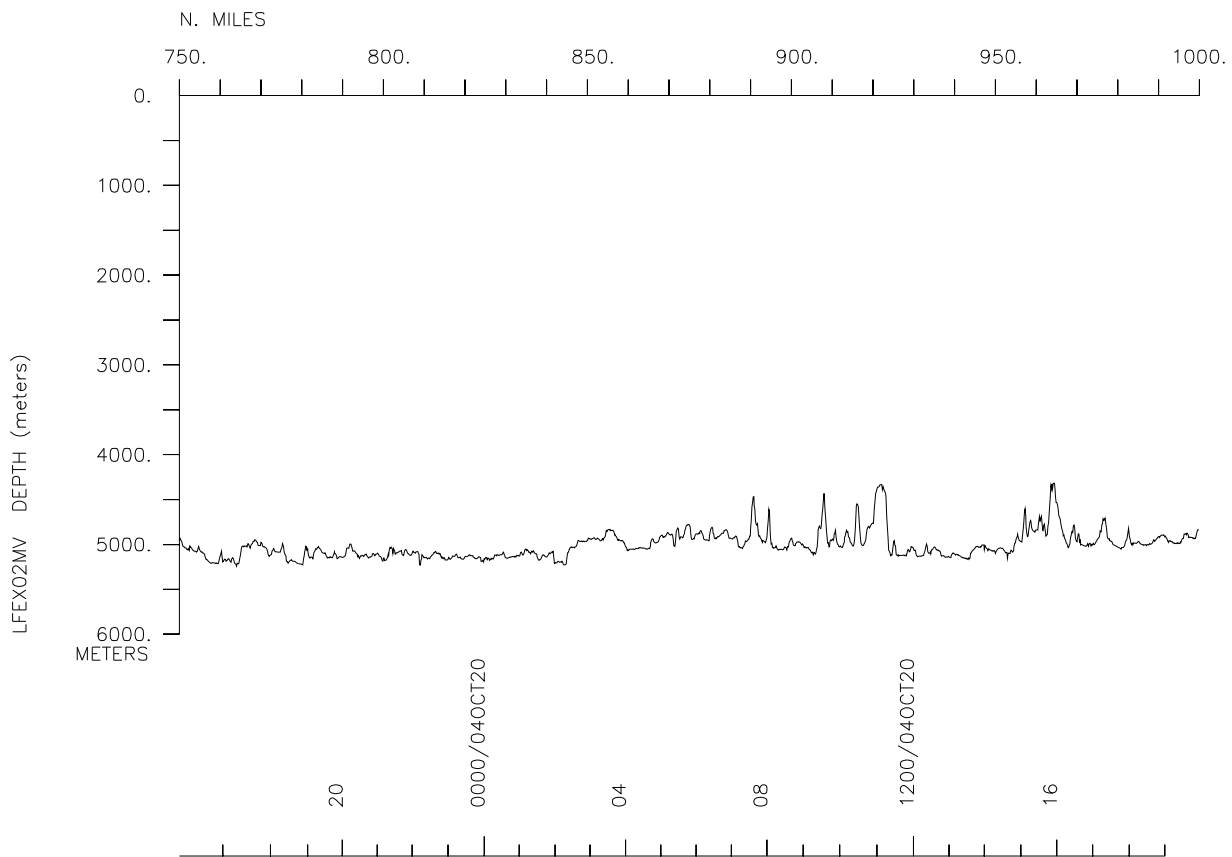
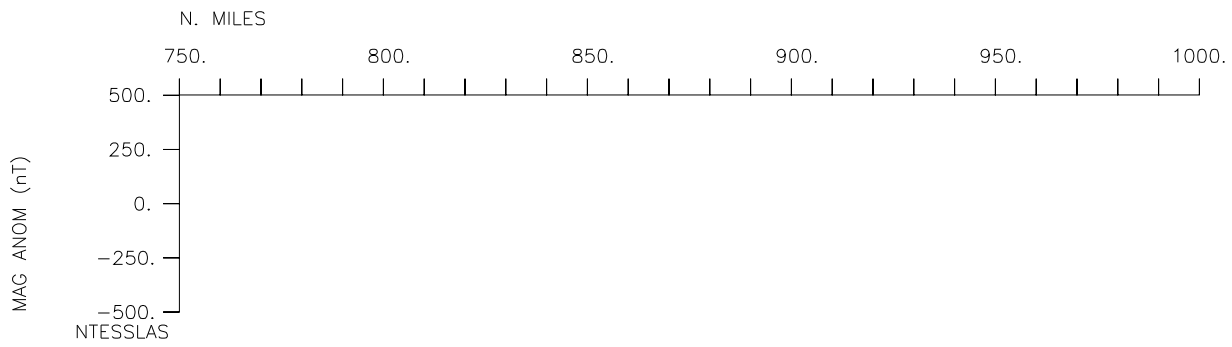
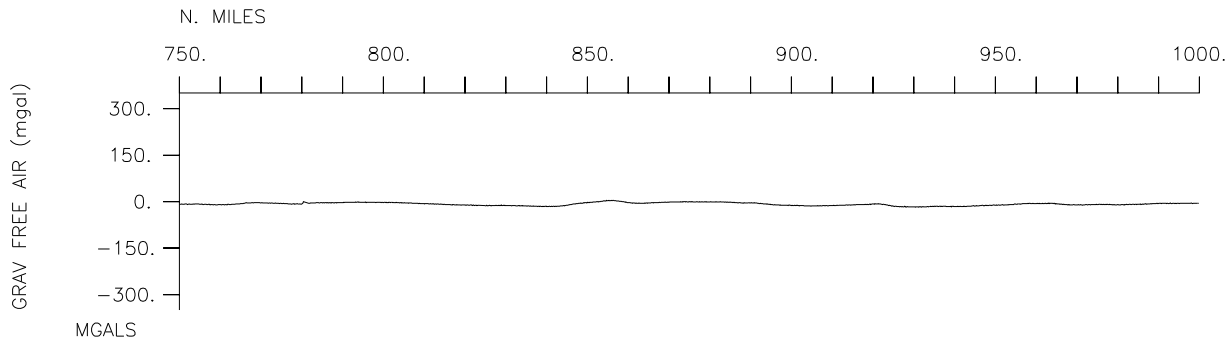
Multibeam-2246 miles

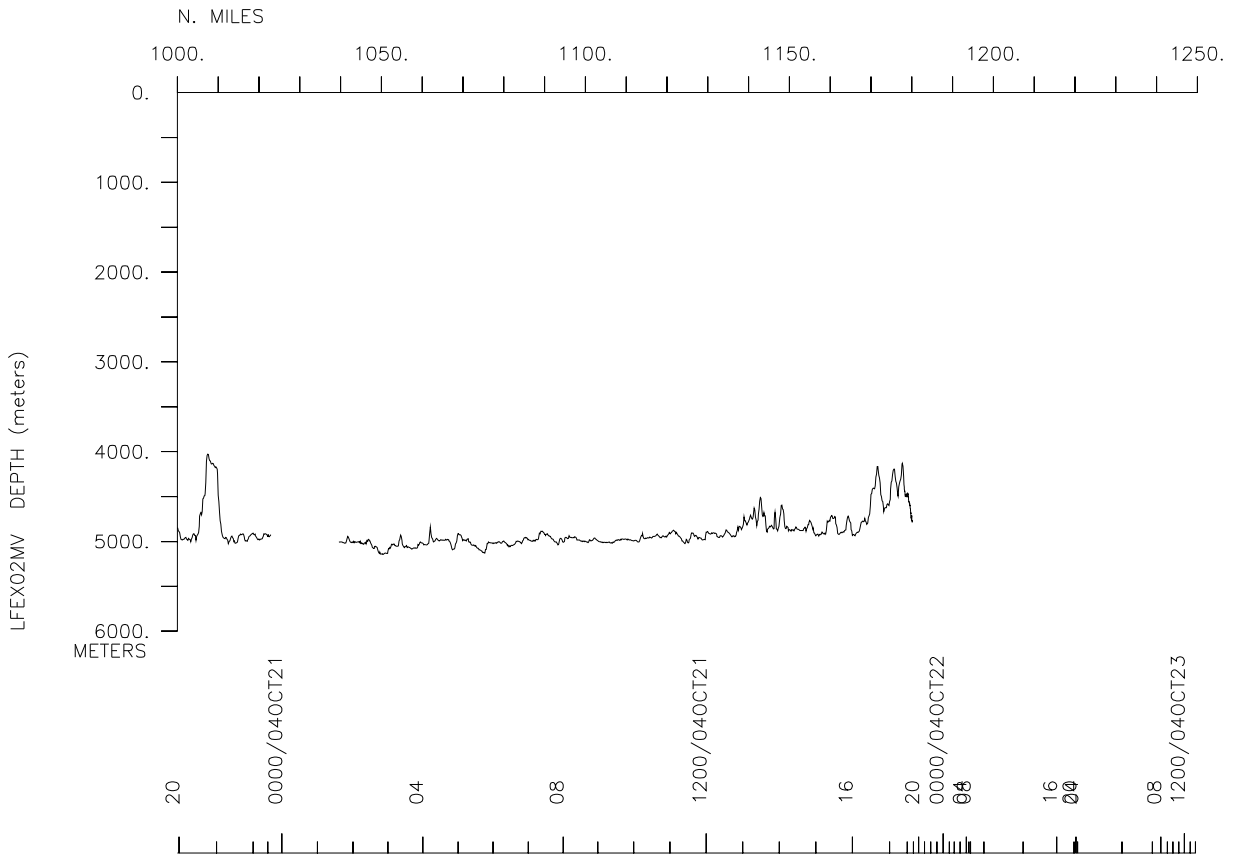
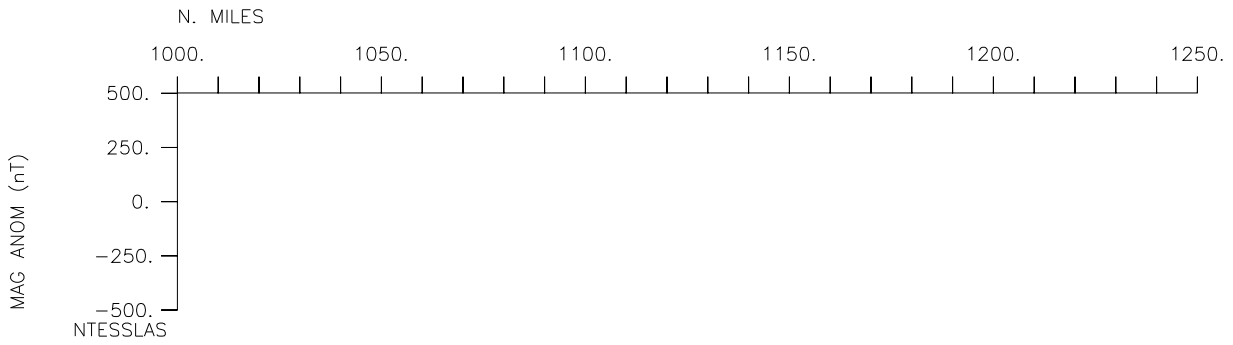
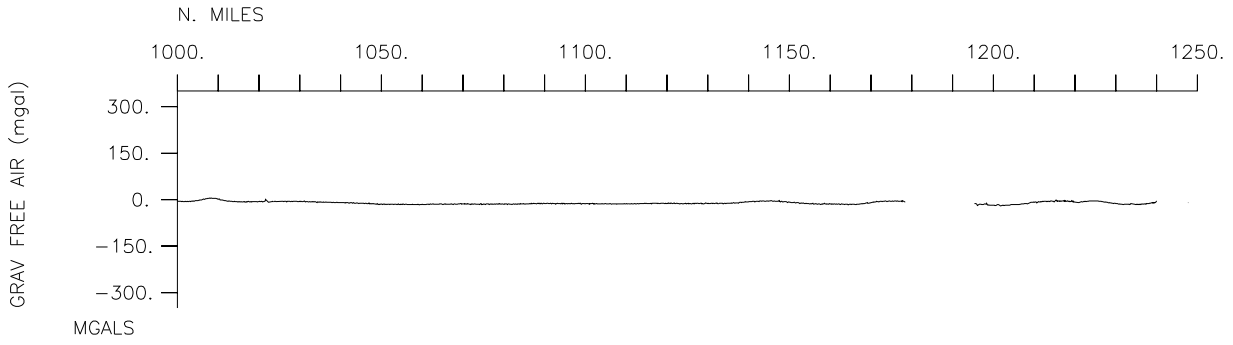
Gravity-3166 miles

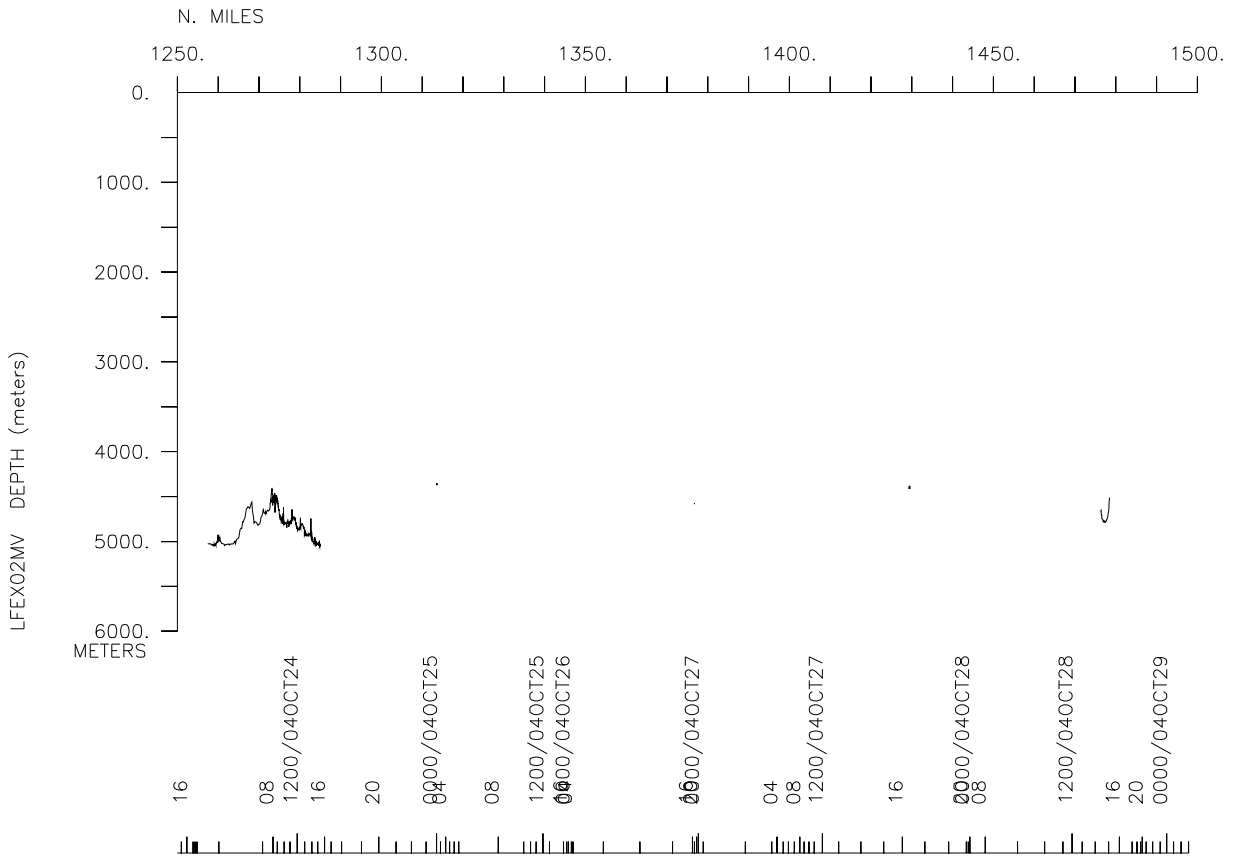
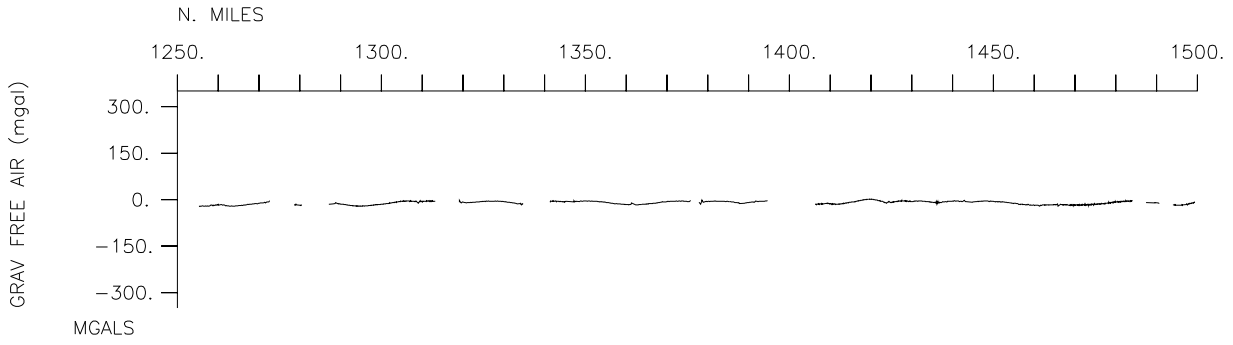


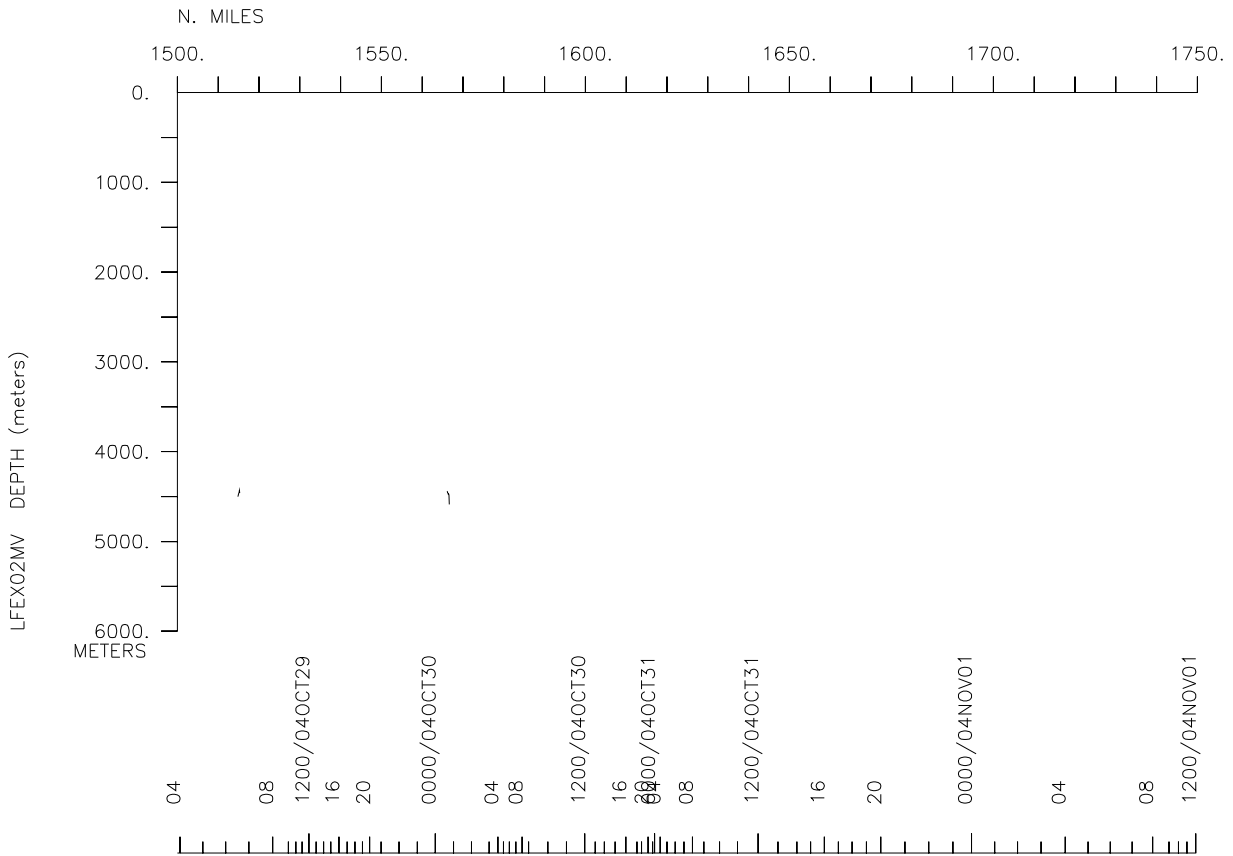
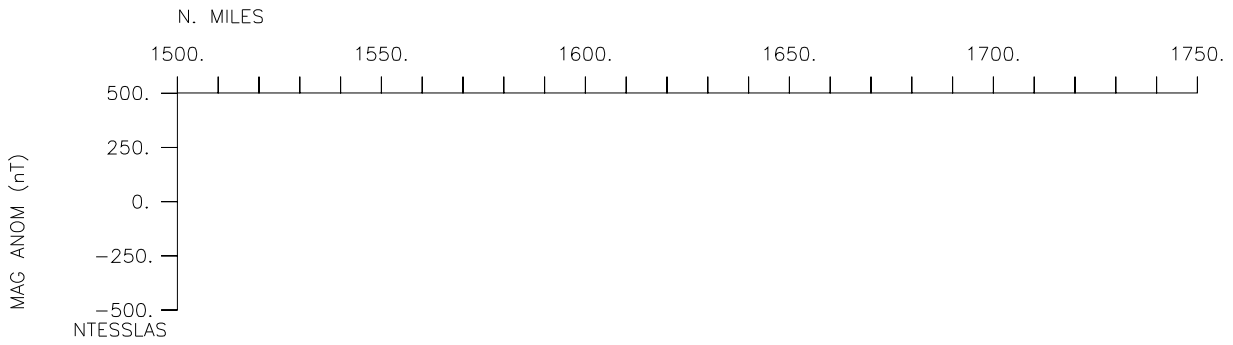
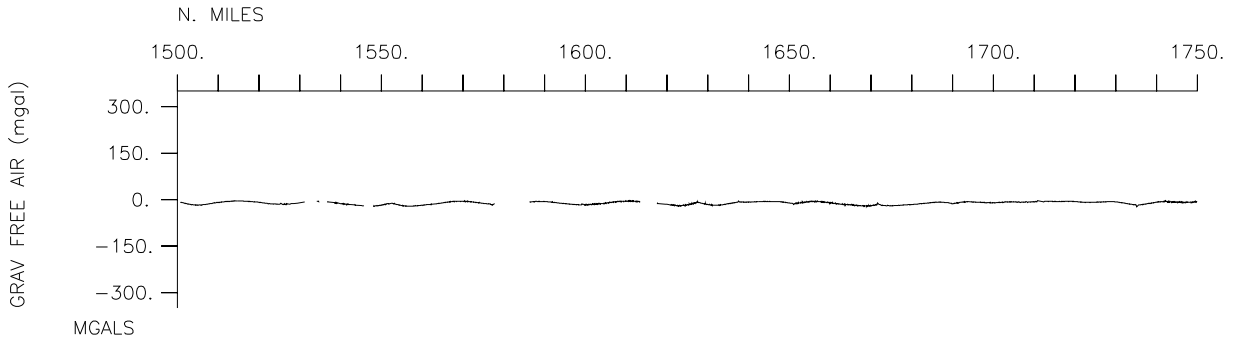


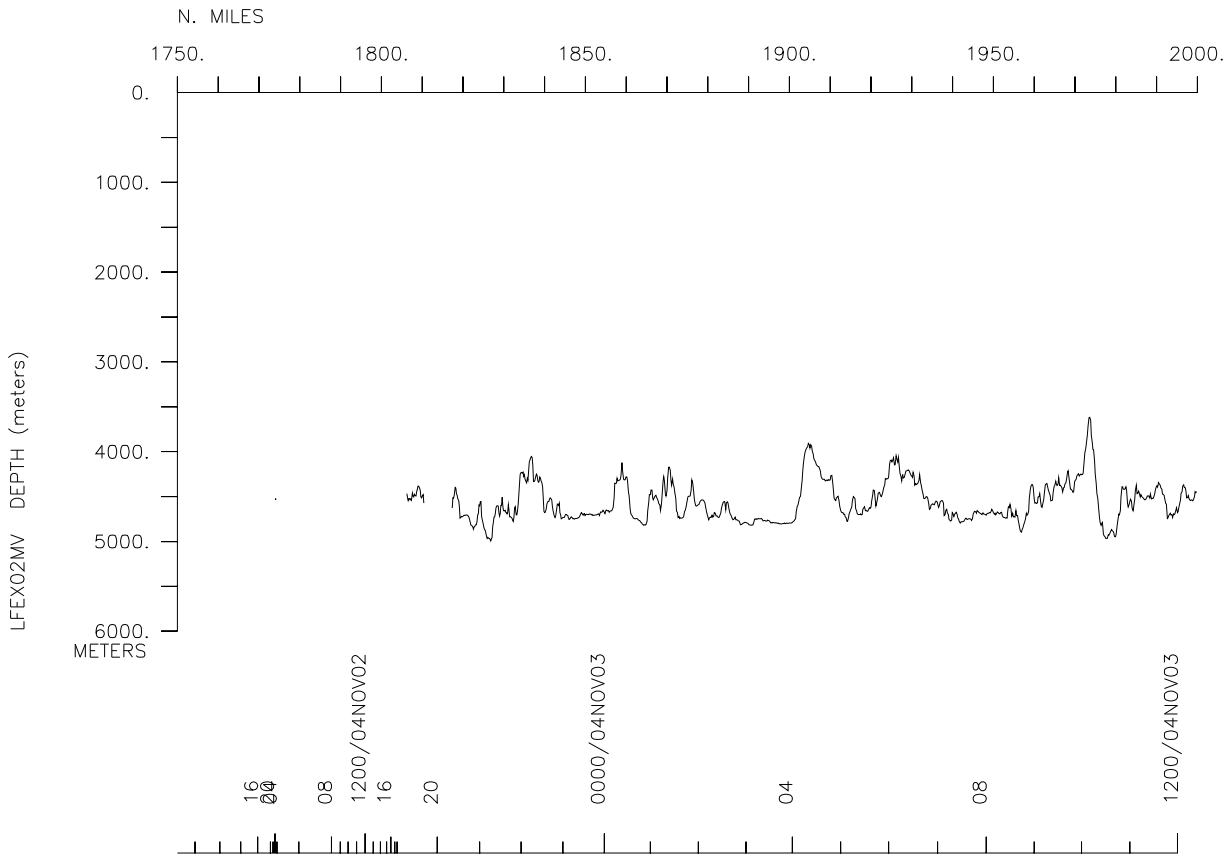
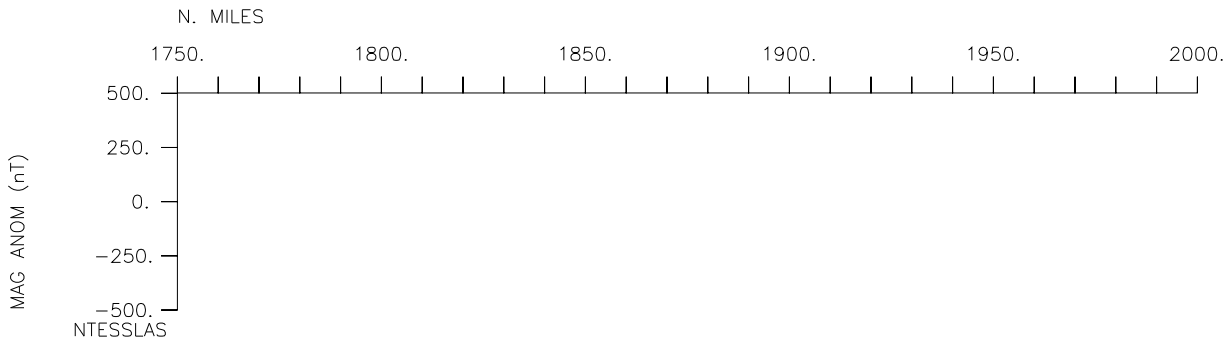
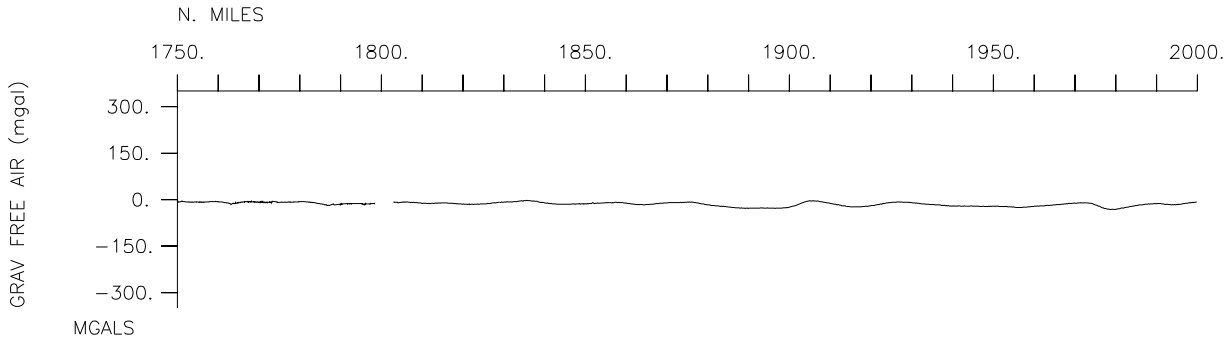


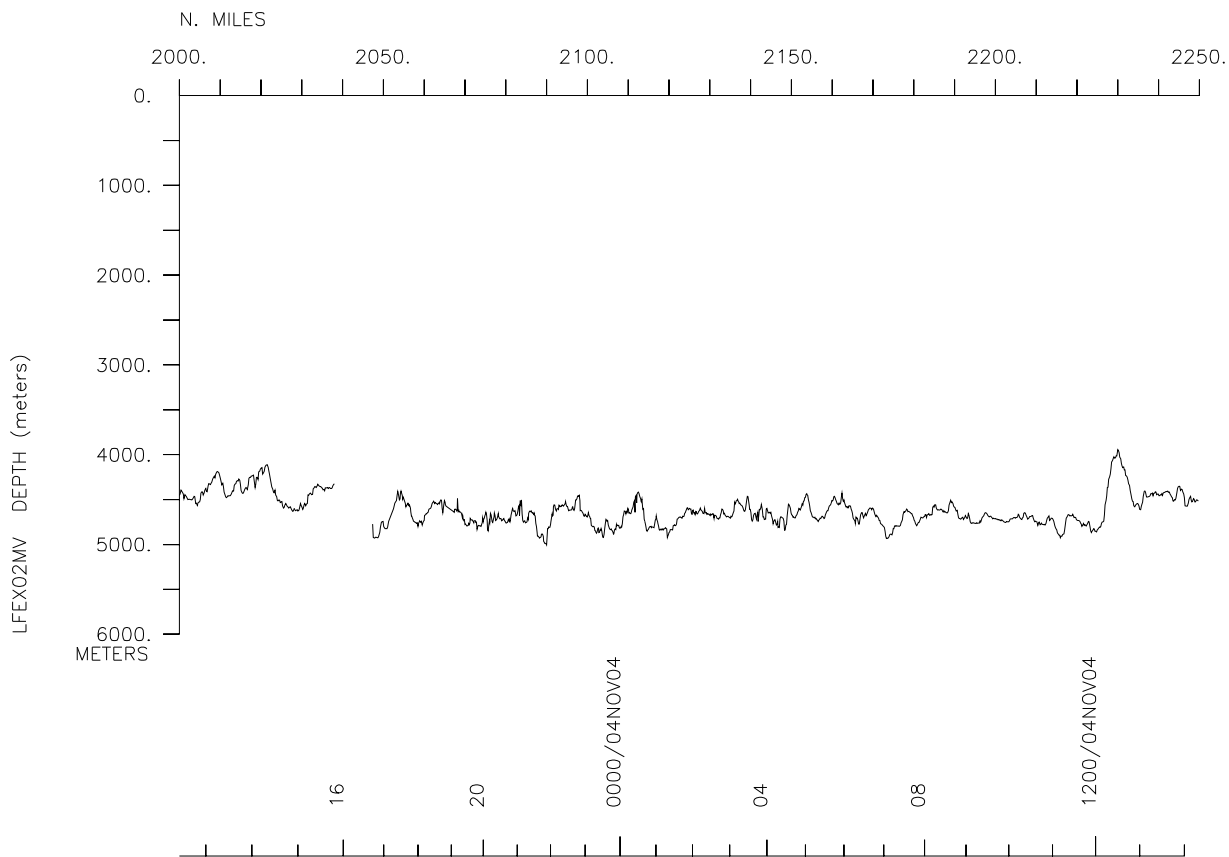
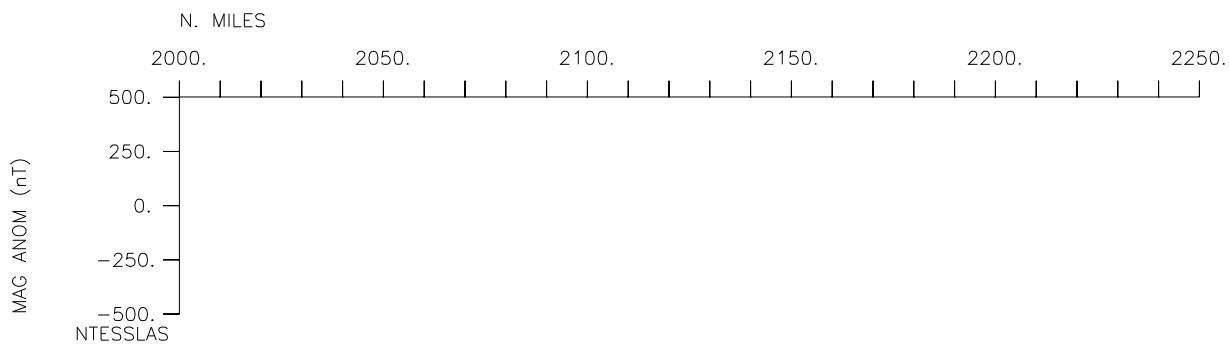
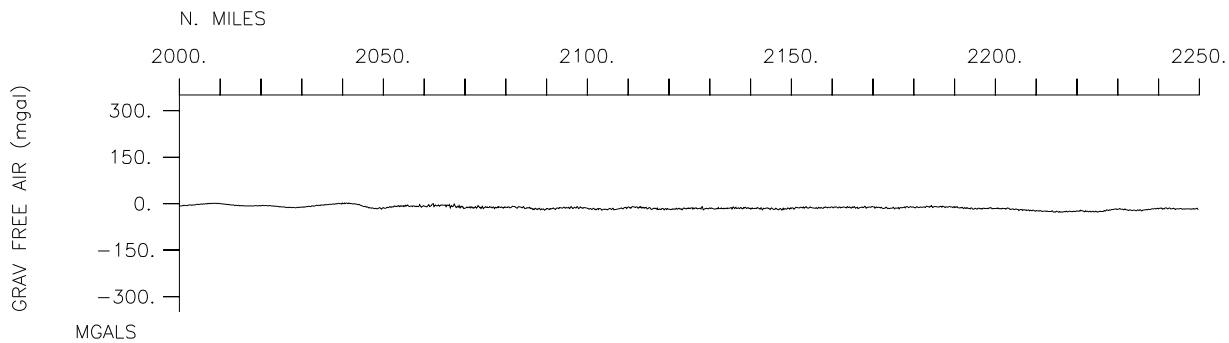


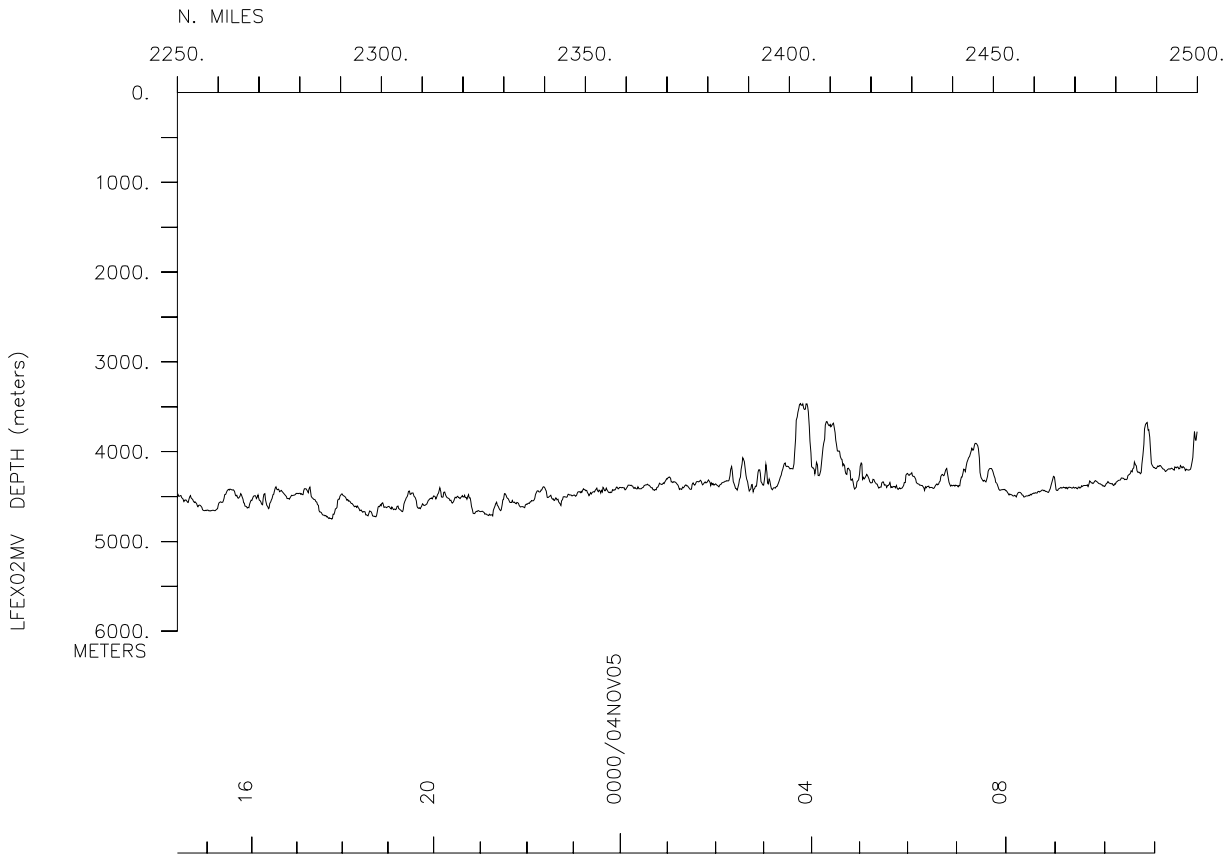
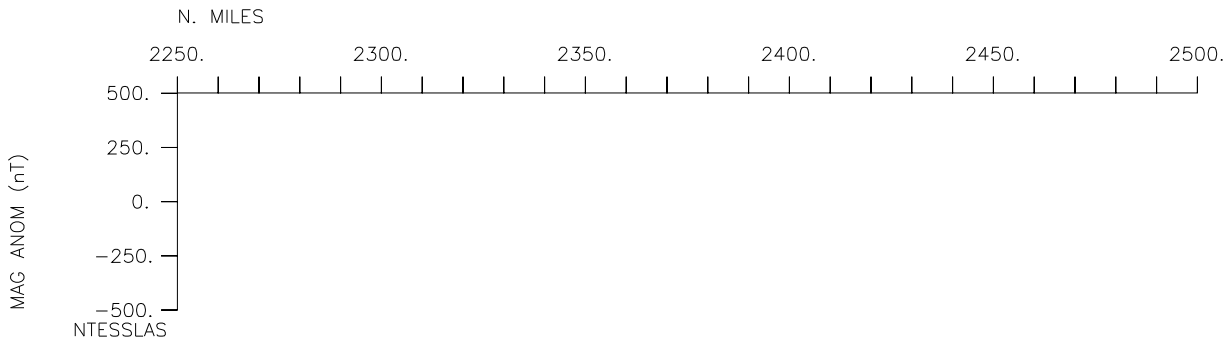
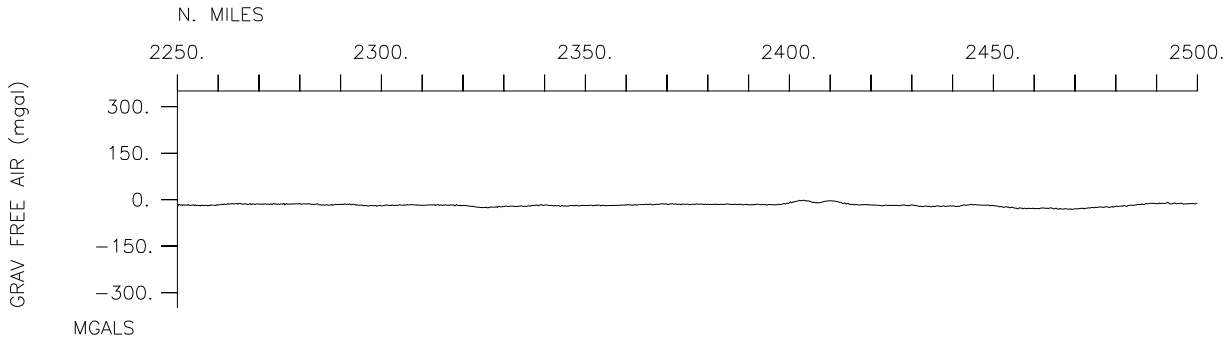


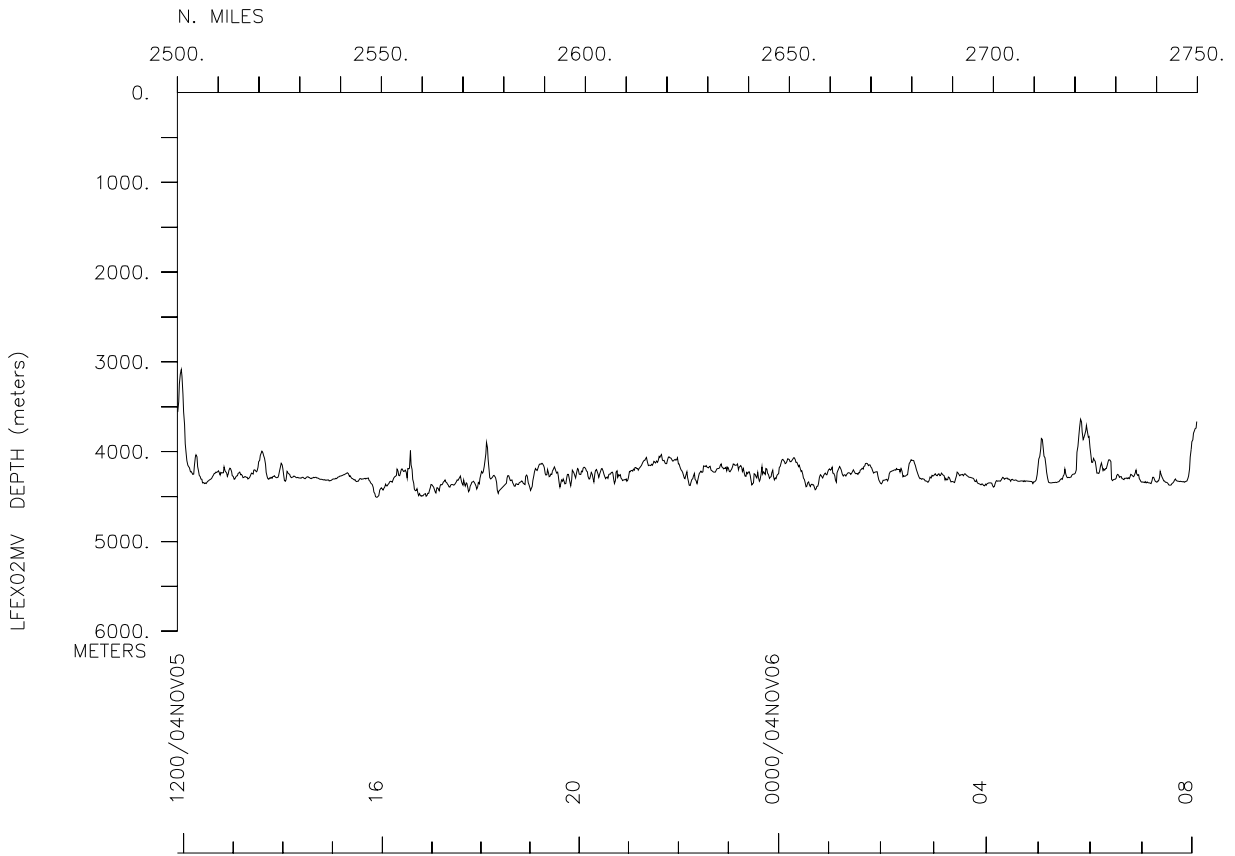
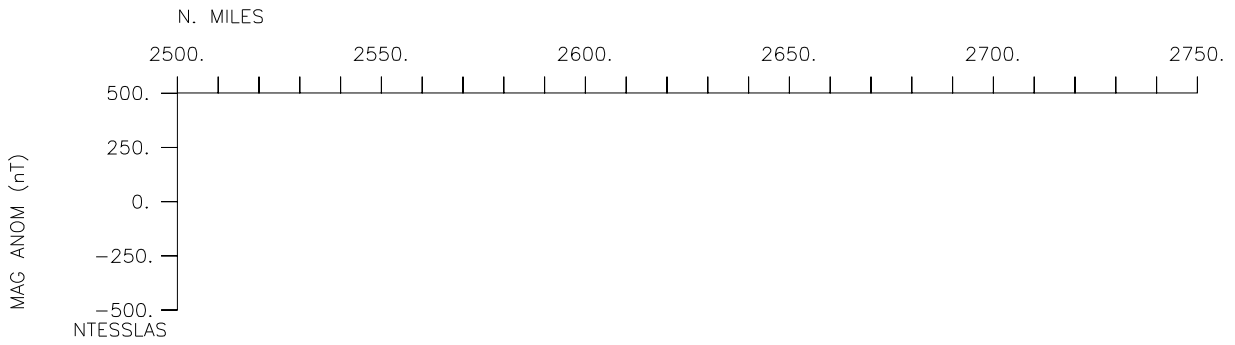
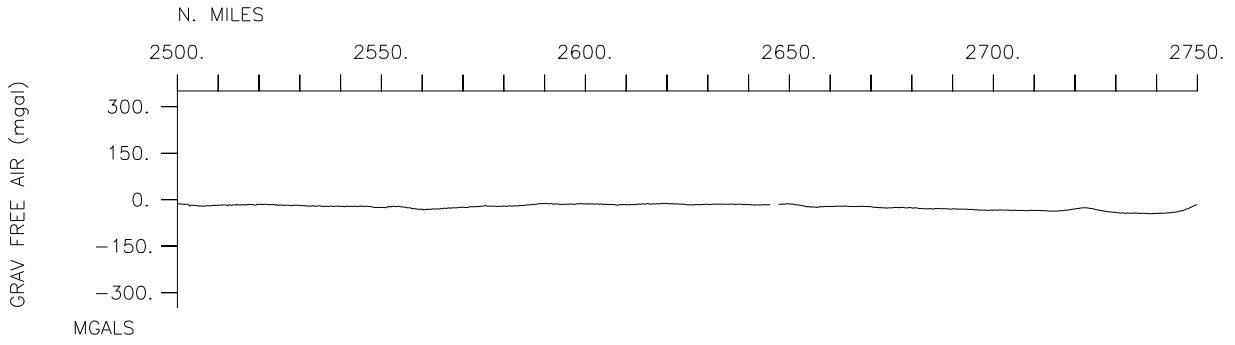


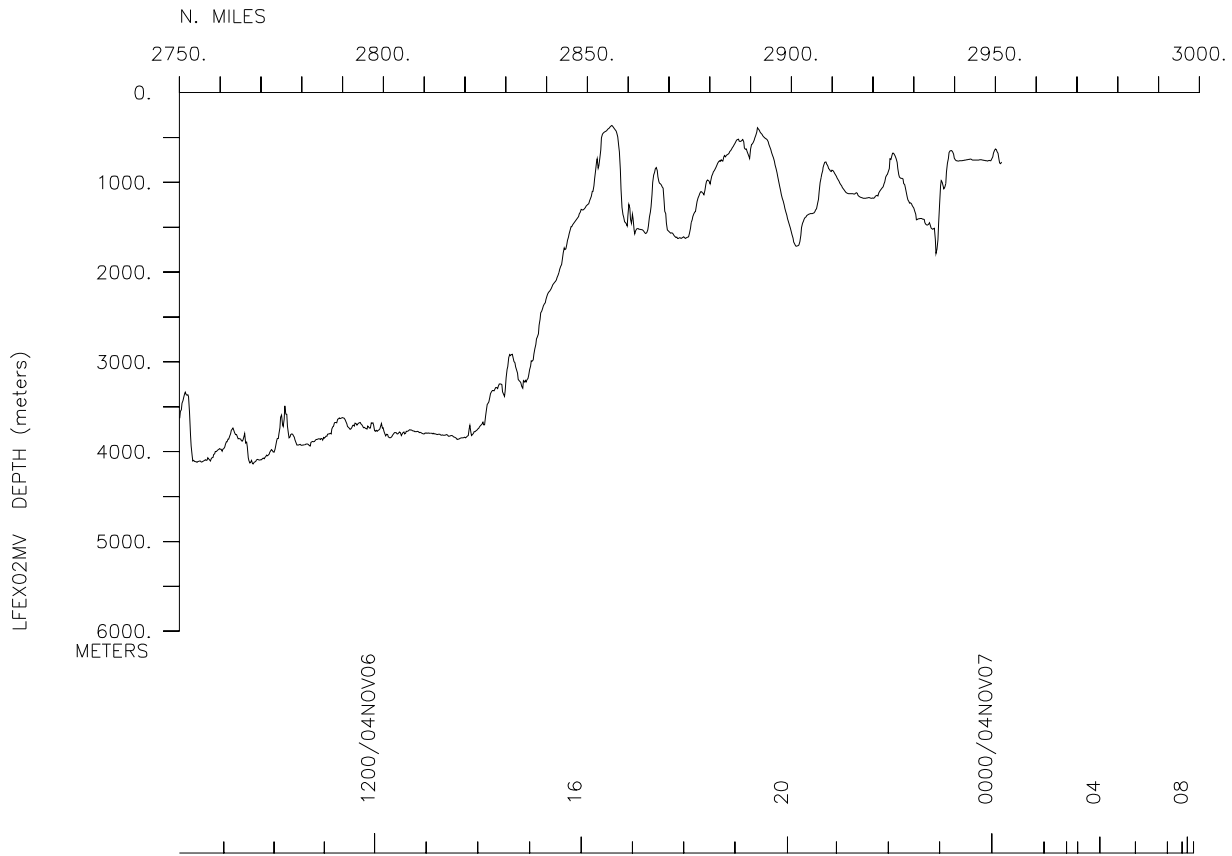
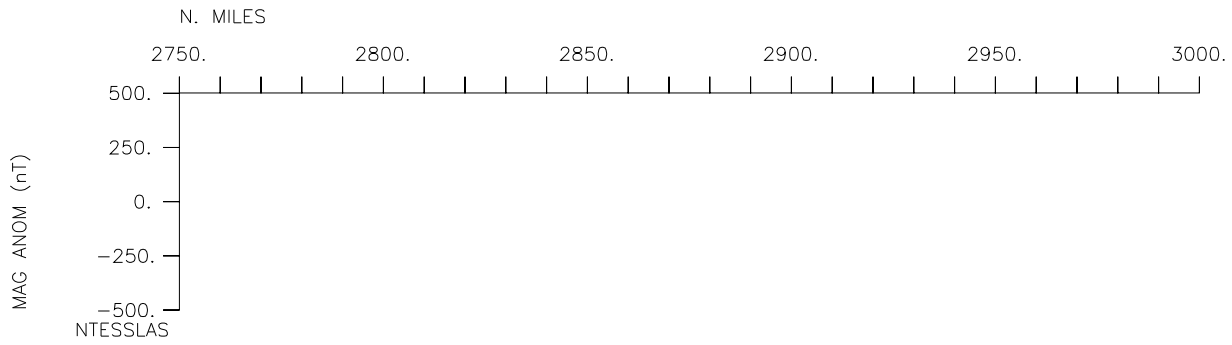
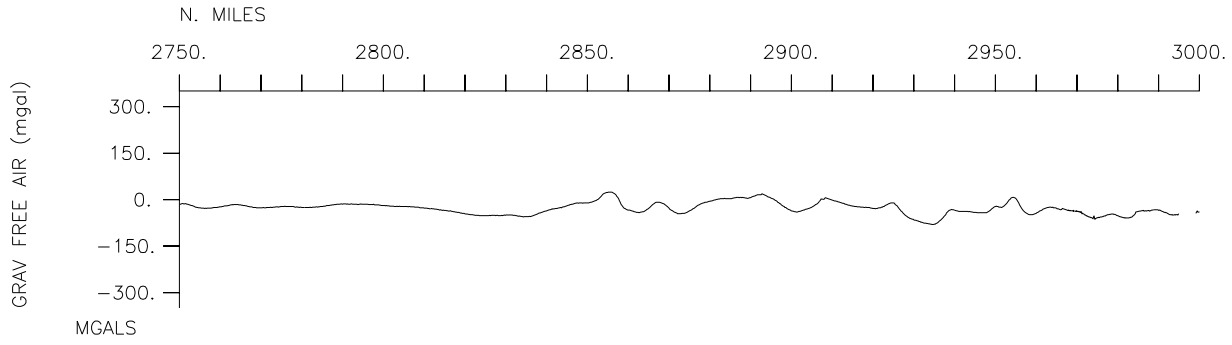


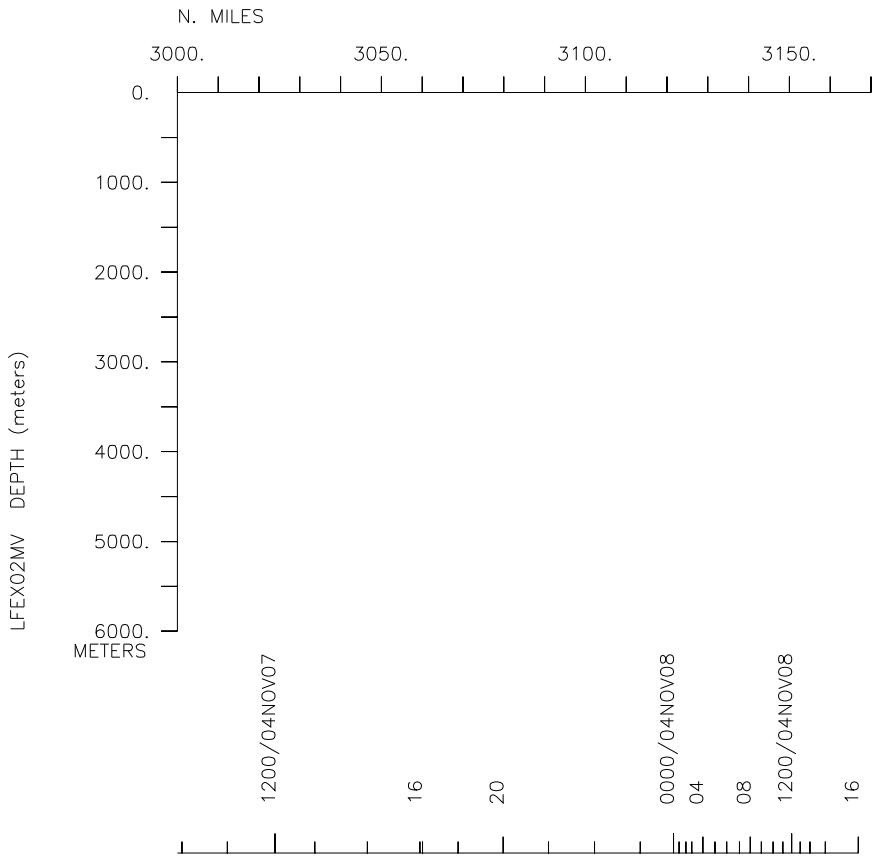
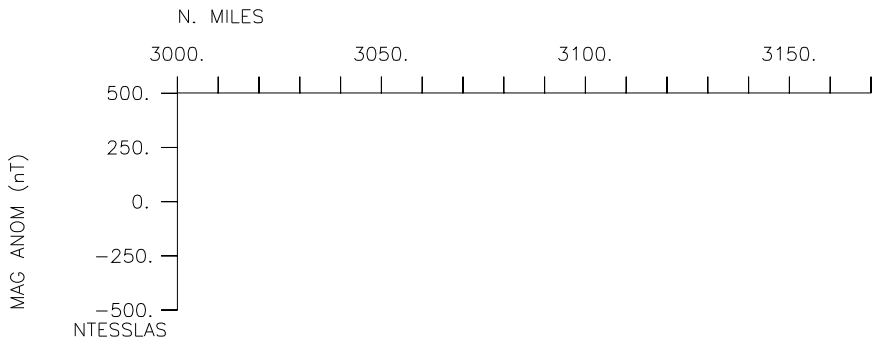
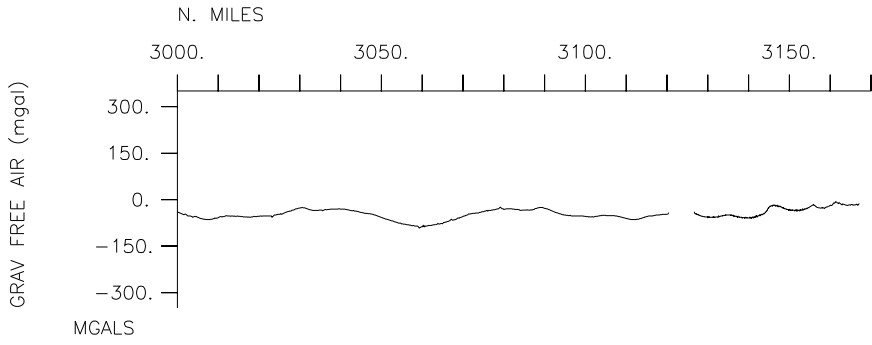












**** Ports ***

0140 161004 LGPT B Honolulu, Hawaii 21-18.00N 157-52.00W f LFEX02MV
 1600 081104 LGPT E San Diego, Ca. 32-40.00N 117-14.00W f LFEX02MV

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PESP MLML	Johnson,Dr.K.	Chief Scientist	Moss Land. Mar. Lab.	LFEX02MV
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PECT STS	Allen,S.	Computer Tech.	Scripps Institution	LFEX02MV
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PESP UCSC	Smith,G.	Technician	U.of c. Santa Cruz	LFEX02MV
PESP UCSC	Lohan,Dr.M.	Scientist	U.of c. Santa Cruz	LFEX02MV
PEST UCSC	Aguilar,A.	Graduate Stud.	U.of c. Santa Cruz	LFEX02MV
PESP UCSC	Sohst,B.	Technician	U.of c. Santa Cruz	LFEX02MV
PEST UCSC	Buck,K.	Graduate Stud.	U.of c. Santa Cruz	LFEX02MV
PESP UHI	Measures,Dr.C.	Scientist	U. of Hawaii	LFEX02MV
PESP SIX	Landing,Dr.B.	Scientist	Florida State Univ.	LFEX02MV
PESP SIX	Mendez,Dr.J.	Scientist	Cal. Tech.	LFEX02MV
PESP WHOI	Moffet,Dr.J.	Scientist	Woods Hole	LFEX02MV
PEXN CAN	Cullen,Dr.J.	Scientist	U. of Victoria, Can.	LFEX02MV
PEXN UAK	Wu,Dr.J.	Scientist	U. of Alaska	LFEX02MV
PEXN UAK	Cai,Dr.Y.	Scientist	U. of Alaska	LFEX02MV
PEXN SIX	Sedwick,Dr.P.	Scientist	Bermuda Bio. Sta.	LFEX02MV
PESP MIT	Boyle,Dr.E.	Scientist	Mass. Inst. of Tech.	LFEX02MV
PESP MIT	Bergquist,Dr.B.	Scientist	Mass. Inst. Of Tech.	LFEX02MV
PESP UWA	Ossiander,L.	Technician	U. of Washington	LFEX02MV
PEXN SIX	Bowie,Dr.A.	Scientist	U. of Tasmania	LFEX02MV
PEXN GBN	Van Den Berg,Dr.S.	Scientist	U. of Liverpool	LFEX02MV
PEXN GBN	Laglera-Baquer,Dr.L.	Scientist	U. of Liverpool	LFEX02MV
PEXN FNC	Sarthou,Dr.G.	Scientist	U. of Brest	LFEX02MV
PEXN GBN	Milne,A.	Graduate Stud.	U. of Plymouth	LFEX02MV
PEXN SIX	Laan,P.	Technician	Neth. Inst.of Ocean.	LFEX02MV
PEXN JPN	Obata,Dr.H.	Scientist	U. of Tokyo	LFEX02MV
PEXN JPN	Doi,Dr.T.	Scientist	U. of Tokyo	LFEX02MV
PESP SIO	Barbeau,Dr.K.	Scientist	Scripps Institution	LFEX02MV

**** 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 (vertical beam and side scan) ***

0200 161004 0 MBSR B V. Beam & Sidescan GDC 21-18.25N 157-52.12W g LFEX02MV
 2330 071104 0 MBSR E V. Beam & Sidescan GDC 33-09.82N 117-26.86W g LFEX02MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	--	---	-	-----	----	-----	-----	-----	-	-----
#*** Digital Gravity ***										
0140	161004	0	GVDD	B Gravity	GDC	21-18.88N	157-52.66W		g	LFEX02MV
1600	081104	0	GVDD	E Gravity	GDC	32-42.12N	117-13.96W		g	LFEX02MV
#*** Integrated Meteorological Acquisition System ***										
0140	161004	0	IMET	B Weather Measurements	GDC	21-18.88N	157-52.66W		g	LFEX02MV
1600	081104	0	IMET	E Weather Measurements	GDC	32-42.12N	117-13.96W		g	LFEX02MV
#*** Acoustic Doppler Current Profiler ***										
0140	161004	0	ADCP	B 300kHz current.meas.	GDC	21-18.88N	157-52.66W		g	LFEX02MV
1600	081104	0	ADCP	E 300kHz current.meas.	GDC	32-42.12N	117-13.96W		g	LFEX02MV
#*** Surface Net Plankton Tows ***										
1800	161004	0	SNXX	B Plankton Tow	MLML	22-45.01N	158-00.00W		g	LFEX02MV
1805	161004	0	SNXX	E Sta. 1 Cast 4	MLML	22-45.00N	158-00.00W		g	LFEX02MV
0030	081104	0	SNXX	B Plankton Tow	MLML	33-08.93N	117-24.15W		g	LFEX02MV
0312	081104	0	SNXX	E Sta. 8 5 Tows	MLML	33-05.01N	117-22.42W		g	LFEX02MV
#*** Conductivity, Temperature, Depth ***										
1610	161004	0	TDCT	Sta. 1 Cast 4 Clean	UHI	22-45.00N	158-00.00W		g	LFEX02MV
2234	201004	0	TDCT	Sta. 4 Cast 1 Clean	UHI	29-04.55N	142-48.38W		g	LFEX02MV
0445	221004	0	TDCT	Sta. 5 Cast 1 Clean	UHI	30-14.70N	139-55.22W		g	LFEX02MV
2325	231004	0	TDCT	Sta. 5 Cast 10	UHI	30-06.15N	139-56.47W		g	LFEX02MV
2000	261004	0	TDCT	Sta. 5 Cast 38	UHI	30-00.65N	140-00.65W		g	LFEX02MV
0000	281004	0	TDCT	Sta. 5 Cast 49	UHI	29-59.97N	140-00.03W		g	LFEX02MV
2113	301004	0	TDCT	Sta. 5 Cast 55	UHI	30-02.58N	139-59.23W		g	LFEX02MV
1650	071104	0	TDCT	Sta. 7 Cast 1 Clean	UHI	33-34.64N	118-27.37W		g	LFEX02MV
1608	161004	0	TDCT	B CTD 01.002	UHI	22-45.00N	158-00.00W		g	LFEX02MV
1617	161004	0	TDCT	E CTD 01.002	UHI	22-45.00N	158-00.00W		g	LFEX02MV
1628	161004	0	TDCT	B CTD 01.003	UHI	22-45.00N	158-00.00W		g	LFEX02MV
1719	161004	0	TDCT	E CTD 01.003	UHI	22-45.00N	158-00.00W		g	LFEX02MV
0035	171004	0	TDCT	B CTD 01.007	300M UHI	22-45.00N	158-00.00W		g	LFEX02MV
0106	171004	0	TDCT	E CTD 01.007	UHI	22-45.00N	158-00.00W		g	LFEX02MV
2232	201004	0	TDCT	B CTD 04.001	1020M UHI	29-04.55N	142-48.38W		g	LFEX02MV
2327	201004	0	TDCT	E CTD 04.001	UHI	29-04.56N	142-48.38W		g	LFEX02MV
0551	221004	0	TDCT	B CTD 05.002	988M UHI	30-14.70N	139-55.22W		g	LFEX02MV
0656	221004	0	TDCT	E CTD 05.002	UHI	30-14.70N	139-55.21W		g	LFEX02MV
1740	231004	0	TDCT	B CTD 05.011	1050M UHI	30-06.15N	139-56.47W		g	LFEX02MV
1850	231004	0	TDCT	E CTD 05.011	UHI	30-06.15N	139-56.47W		g	LFEX02MV
2338	231004	0	TDCT	B CTD 05.014	1020M UHI	30-06.15N	139-56.47W		g	LFEX02MV
0031	241004	0	TDCT	E CTD 05.014	UHI	30-06.15N	139-56.47W		g	LFEX02MV
1730	261004	0	TDCT	B CTD 05.034	200M UHI	29-59.99N	140-00.00W		g	LFEX02MV
1752	261004	0	TDCT	E CTD 05.034	UHI	30-00.00N	140-00.00W		g	LFEX02MV
0024	281004	0	TDCT	B CTD 05.049	1020M UHI	29-59.97N	140-00.03W		g	LFEX02MV
0122	281004	0	TDCT	E CTD 05.049	UHI	29-59.97N	140-00.03W		g	LFEX02MV
1736	301004	0	TDCT	B CTD 05.054	350M UHI	29-59.98N	140-00.17W		g	LFEX02MV
1815	301004	0	TDCT	E CTD 05.054	UHI	29-59.98N	140-00.17W		g	LFEX02MV
2117	301004	0	TDCT	B CTD 05.056	1020M UHI	30-02.58N	139-59.23W		g	LFEX02MV
2210	301004	0	TDCT	E CTD 05.056	UHI	30-02.58N	139-59.23W		g	LFEX02MV
1729	021104	0	TDCT	B CTD 05.068	520M UHI	30-00.00N	140-00.00W		g	LFEX02MV
1800	021104	0	TDCT	E CTD 05.068	UHI	30-00.00N	140-00.00W		g	LFEX02MV
1645	071104	0	TDCT	B CTD 07.001	820M UHI	33-34.64N	118-27.37W		g	LFEX02MV
1707	071104	0	TDCT	E CTD 07.001	820M UHI	33-34.64N	118-27.37W		g	LFEX02MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E	IDENTIFIER	CODE	LATITUDE	LONGITUDE	c	LEG-SHIP
#-----	--	---	-	-----	-----	---	-----	-----	-	-----
#*** Hydrocasts - GoFlow samples ***										
1909	161004	0	HCGF	B	Go Flo 01.004	MLML	22-44.99N	158-00.00W	g	LFEX02MV
1942	161004	0	HCGF	E	Go Flo 01.004	MLML	22-45.00N	158-00.00W	g	LFEX02MV
1947	161004	0	HCGF	B	Go Flo 01.005	MLML	22-45.00N	158-00.00W	g	LFEX02MV
2015	161004	0	HCGF	E	Go Flo 01.005	MLML	22-45.00N	158-00.00W	g	LFEX02MV
2018	161004	0	HCGF	B	Go Flo 01.006	MLML	22-45.00N	158-00.00W	g	LFEX02MV
2035	161004	0	HCGF	E	Go Flo 01.006	MLML	22-45.00N	158-00.00W	g	LFEX02MV
2045	161004	0	HCGF	B	Go Flo 01.007	MLML	22-45.00N	158-00.00W	g	LFEX02MV
2100	161004	0	HCGF	E	Go Flo 01.007	MLML	22-44.99N	158-00.00W	g	LFEX02MV
2105	161004	0	HCGF	B	Go Flo 01.008	MLML	22-45.00N	158-00.00W	g	LFEX02MV
2125	161004	0	HCGF	E	Go Flo 01.008	MLML	22-45.00N	158-00.00W	g	LFEX02MV
2129	161004	0	HCGF		Go Flo 01.009	MLML	22-45.00N	158-00.00W	g	LFEX02MV
2318	161004	0	HCGF	B	Go Flo 01.006	MLML	22-45.00N	158-00.00W	g	LFEX02MV
0024	171004	0	HCGF	E	Go Flo 01.006	MLML	22-45.00N	158-00.00W	g	LFEX02MV
1801	221004	0	HCGF	B	Go Flo 05.004	MLML	30-00.16N	139-59.92W	g	LFEX02MV
1814	221004	0	HCGF	E	Go Flo 05.004	MLML	30-00.15N	139-59.92W	g	LFEX02MV
1818	221004	0	HCGF	B	Go Flo 05.005	MLML	30-00.16N	139-59.92W	g	LFEX02MV
1829	221004	0	HCGF	E	Go Flo 05.005	MLML	30-00.15N	139-59.92W	g	LFEX02MV
1909	221004	0	HCGF	B	Go Flo 05.006	MLML	30-00.15N	139-59.92W	g	LFEX02MV
1921	221004	0	HCGF	E	Go Flo 05.006	MLML	30-00.15N	139-59.92W	g	LFEX02MV
1924	221004	0	HCGF	B	Go Flo 05.007	MLML	30-00.16N	139-59.92W	g	LFEX02MV
1936	221004	0	HCGF	E	Go Flo 05.007	MLML	30-00.16N	139-59.92W	g	LFEX02MV
1956	221004	0	HCGF	B	Go Flo 05.008	MLML	30-00.15N	139-59.92W	g	LFEX02MV
2007	221004	0	HCGF	E	Go Flo 05.008	MLML	30-00.16N	139-59.92W	g	LFEX02MV
0040	241004	0	HCGF	B	Go Flo 05.015	MLML	30-06.15N	139-56.47W	g	LFEX02MV
0150	241004	0	HCGF	E	Go Flo 05.015	MLML	30-06.15N	139-56.47W	g	LFEX02MV
0200	241004	0	HCGF	B	Go Flo 05.016	MLML	30-06.15N	139-56.47W	g	LFEX02MV
0325	241004	0	HCGF	E	Go Flo 05.016	MLML	30-06.15N	139-56.47W	g	LFEX02MV
0333	241004	0	HCGF	B	Go Flo 05.017	MLML	30-06.15N	139-56.47W	g	LFEX02MV
0451	241004	0	HCGF	E	Go Flo 05.017	MLML	30-06.14N	139-56.46W	g	LFEX02MV
0016	251004	0	HCGF	B	Go Flo 05.019	MLML	29-59.31N	140-00.84W	g	LFEX02MV
0032	251004	0	HCGF	E	Go Flo 05.019	MLML	29-59.31N	140-00.84W	g	LFEX02MV
0040	251004	0	HCGF	B	Go Flo 05.020	MLML	29-59.31N	140-00.84W	g	LFEX02MV
0205	251004	0	HCGF	E	Go Flo 05.020	MLML	29-59.31N	140-00.84W	g	LFEX02MV
1551	251004	0	HCGF	B	Go Flo 05.022	MLML	30-00.00N	140-00.00W	g	LFEX02MV
1715	251004	0	HCGF	E	Go Flo 05.022	MLML	30-00.00N	140-00.00W	g	LFEX02MV
1725	251004	0	HCGF	B	Go Flo 05.023	MLML	30-00.00N	140-00.00W	g	LFEX02MV
1840	251004	0	HCGF	E	Go Flo 05.023	MLML	30-00.00N	140-00.00W	g	LFEX02MV
1851	251004	0	HCGF	B	Go Flo 05.024	MLML	30-00.00N	140-00.00W	g	LFEX02MV
1958	251004	0	HCGF	E	Go Flo 05.024	MLML	30-00.00N	140-00.00W	g	LFEX02MV
2011	251004	0	HCGF	B	Go Flo 05.025	MLML	30-00.00N	140-00.00W	g	LFEX02MV
2124	251004	0	HCGF	E	Go Flo 05.025	MLML	30-00.00N	140-00.00W	g	LFEX02MV
2145	251004	0	HCGF	B	Go Flo 05.026	MLML	30-00.00N	140-00.00W	g	LFEX02MV
2304	251004	0	HCGF	E	Go Flo 05.026	MLML	30-00.00N	140-00.00W	g	LFEX02MV
2318	251004	0	HCGF	B	Go Flo 05.027	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0053	261004	0	HCGF	E	Go Flo 05.027	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0325	261004	0	HCGF	B	Go Flo 05.028	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0440	261004	0	HCGF	E	Go Flo 05.028	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0445	261004	0	HCGF	B	Go Flo 05.029	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0555	261004	0	HCGF	E	Go Flo 05.029	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0613	261004	0	HCGF	B	Go Flo 05.030	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0730	261004	0	HCGF	E	Go Flo 05.030	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0746	261004	0	HCGF	B	Go Flo 05.031	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0908	261004	0	HCGF	E	Go Flo 05.031	MLML	30-00.00N	140-00.00W	g	LFEX02MV
0920	261004	0	HCGF	B	Go Flo 05.032	MLML	30-00.00N	140-00.00W	g	LFEX02MV
1040	261004	0	HCGF	E	Go Flo 05.032	MLML	30-00.00N	140-00.00W	g	LFEX02MV
1046	261004	0	HCGF	B	Go Flo 05.033	MLML	30-00.00N	140-00.00W	g	LFEX02MV
1218	261004	0	HCGF	E	Go Flo 05.033	MLML	30-00.09N	140-00.10W	g	LFEX02MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP		p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE	LEG-SHIP
#-----	--	---	-	-----	----	-----	-----	-----
2045	261004	0	HCGF	B Go Flo 05.039	MLML	30-00.65N	140-00.65W	g LFEX02MV
2050	261004	0	HCGF	E Go Flo 05.039	MLML	30-00.65N	140-00.65W	g LFEX02MV
2050	261004	0	HCGF	B Go Flo 05.040	MLML	30-00.65N	140-00.65W	g LFEX02MV
2110	261004	0	HCGF	E Go Flo 05.040	MLML	30-00.65N	140-00.65W	g LFEX02MV
2120	261004	0	HCGF	B Go Flo 05.041	MLML	30-00.65N	140-00.65W	g LFEX02MV
2137	261004	0	HCGF	E Go Flo 05.041	MLML	30-00.65N	140-00.65W	g LFEX02MV
2142	261004	0	HCGF	B Go Flo 05.042	MLML	30-00.65N	140-00.65W	g LFEX02MV
2217	261004	0	HCGF	E Go Flo 05.042	MLML	30-00.69N	140-00.66W	g LFEX02MV
2222	261004	0	HCGF	B Go Flo 05.043	MLML	30-00.73N	140-00.68W	g LFEX02MV
2244	261004	0	HCGF	E Go Flo 05.043	MLML	30-00.90N	140-00.73W	g LFEX02MV
0028	271004	0	HCGF	B Go Flo 05.045	MLML	30-00.92N	140-00.73W	g LFEX02MV
0032	271004	0	HCGF	E Go Flo 05.045	MLML	30-00.92N	140-00.73W	g LFEX02MV
0125	311004	0	HCGF	B Go Flo 05.058	MLML	30-02.58N	139-59.23W	g LFEX02MV
0150	311004	0	HCGF	E Go Flo 05.058	MLML	30-02.59N	139-59.23W	g LFEX02MV
1740	011104	0	HCGF	B Go Flo 05.060	MLML	30-00.39N	140-00.46W	g LFEX02MV
1855	011104	0	HCGF	E Go Flo 05.060	MLML	30-00.39N	140-00.46W	g LFEX02MV
1901	011104	0	HCGF	B Go Flo 05.061	MLML	30-00.39N	140-00.46W	g LFEX02MV
2018	011104	0	HCGF	E Go Flo 05.061	MLML	30-00.39N	140-00.46W	g LFEX02MV
2021	011104	0	HCGF	B Go Flo 05.062	MLML	30-00.39N	140-00.46W	g LFEX02MV
2132	011104	0	HCGF	E Go Flo 05.062	MLML	30-00.39N	140-00.46W	g LFEX02MV
2141	011104	0	HCGF	B Go Flo 05.063	MLML	30-00.39N	140-00.46W	g LFEX02MV
2255	011104	0	HCGF	E Go Flo 05.063	MLML	30-00.39N	140-00.46W	g LFEX02MV
2258	011104	0	HCGF	B Go Flo 05.064	MLML	30-00.39N	140-00.46W	g LFEX02MV
0014	021104	0	HCGF	E Go Flo 05.064	MLML	30-00.39N	140-00.46W	g LFEX02MV
0016	021104	0	HCGF	B Go Flo 05.065	MLML	30-00.39N	140-00.46W	g LFEX02MV
0130	021104	0	HCGF	E Go Flo 05.065	MLML	30-00.39N	140-00.46W	g LFEX02MV
0133	021104	0	HCGF	B Go Flo 05.066	MLML	30-00.39N	140-00.46W	g LFEX02MV
0305	021104	0	HCGF	E Go Flo 05.066	MLML	30-00.39N	140-00.47W	g LFEX02MV

#***Hydro Casts - MITRESS samples ***

1209	161004	0	HCXX	B MITESS 01.001	MLML	22-45.00N	158.00.00W	g LFEX02MV
1554	161004	0	HCXX	E MITESS 01.001	MLML	22-45.00N	158.00.00W	g LFEX02MV
0126	171004	0	HCXX	B MITESS 01.008	MLML	22-45.00N	158.00.00W	g LFEX02MV
0308	171004	0	HCXX	E MITESS 01.008	MLML	22-45.00N	158.00.00W	g LFEX02MV
0322	171004	0	HCXX	B MITESS 01.009	MLML	22-45.01N	158.00.00W	g LFEX02MV
0402	171004	0	HCXX	E MITESS 01.009	MLML	22-45.20N	157-59.55W	g LFEX02MV
0720	221004	0	HCXX	B MITESS 05.003	MLML	30-14.70N	139-55.22W	g LFEX02MV
1323	221004	0	HCXX	E MITESS 05.003	MLML	30-14.71N	139-55.22W	g LFEX02MV
2031	221004	0	HCXX	B MITESS 05.009	MLML	30-00.16N	139-59.92W	g LFEX02MV
0136	231004	0	HCXX	E MITESS 05.009	MLML	30-00.15N	139-59.92W	g LFEX02MV
1915	231004	0	HCXX	B MITESS 05.012	MLML	30-06.15N	139-56.47W	g LFEX02MV
2026	231004	0	HCXX	E MITESS 05.012	MLML	30-06.15N	139-56.47W	g LFEX02MV
2106	231004	0	HCXX	B MITESS 05.013	MLML	30-06.15N	139-56.47W	g LFEX02MV
2333	231004	0	HCXX	E MITESS 05.013	MLML	30-06.15N	139-56.47W	g LFEX02MV
1828	261004	0	HCXX	B MITESS 05.035	MLML	30-00.00N	140-00.00W	g LFEX02MV
1850	261004	0	HCXX	E MITESS 05.035	MLML	30-00.25N	140-00.22W	g LFEX02MV
1900	261004	0	HCXX	B MITESS 05.036	MLML	30-00.24N	140-00.21W	g LFEX02MV
1926	261004	0	HCXX	E MITESS 05.036	MLML	30-00.38N	140-00.40W	g LFEX02MV
1937	261004	0	HCXX	B MITESS 05.037	MLML	30-00.38N	140-00.40W	g LFEX02MV
2000	261004	0	HCXX	E MITESS 05.037	MLML	30-00.65N	140-00.65W	g LFEX02MV
2256	261004	0	HCXX	B MITESS 05.044	MLML	30-00.92N	140-00.73W	g LFEX02MV
0015	271004	0	HCXX	E MITESS 05.044	MLML	30-00.92N	140-00.73W	g LFEX02MV
1850	271004	0	HCXX	B MITESS 05.048	MLML	29-59.97N	140-00.02W	g LFEX02MV
0016	281004	0	HCXX	E MITESS 05.048	MLML	29-59.97N	140-00.03W	g LFEX02MV
0145	281004	0	HCXX	B MITESS 05.050	MLML	29-59.97N	140-00.02W	g LFEX02MV
0555	281004	0	HCXX	E MITESS 05.050	MLML	29-59.97N	140-00.03W	g LFEX02MV
0602	281004	0	HCXX	B MITESS 05.051	MLML	29-59.97N	140-00.02W	g LFEX02MV
0635	281004	0	HCXX	E MITESS 05.051	MLML	29-59.97N	140-00.03W	g LFEX02MV
0652	281004	0	HCXX	B MITESS 05.052	MLML	29-59.97N	140-00.03W	g LFEX02MV
0719	281004	0	HCXX	E MITESS 05.052	MLML	29-59.96N	140-00.02W	g LFEX02MV
2226	301004	0	HCXX	B MITESS 05.057	MLML	30-02.58N	139-59.23W	g LFEX02MV
0120	311004	0	HCXX	E MITESS 05.057	MLML	30-02.58N	139-59.23W	g LFEX02MV
0456	021104	0	HCXX	B MITESS 05.067	MLML	30-00.39N	140-00.46W	g LFEX02MV

0604 021104 0 HCXX E MITESS 05.067

MLML 30-00.39N 140-00.46W g LFEX02MV

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

*** Surface Samples ***

0018	181004	0	SSXX	Towed fish	01.001	SIX	24-26.21N	154-26.21W	g	LFEX02MV
0825	181004	0	SSXX	Towed fish	02.001	SIX	24-47.42N	153-39.14W	g	LFEX02MV
1850	191004	0	SSXX	Towed fish	03.001	SIX	27-32.65N	147-01.46W	g	LFEX02MV
0428	221004	0	SSXX	Towed fish		SIX	30-14.71N	139-55.22W	g	LFEX02MV
0730	231004	0	SSXX	Towed fish	05.010	SIX	29-54.32N	140-03.34W	g	LFEX02MV
0000	241004	0	SSXX	B Towed fish	05.018	SIX	30-06.15N	139-56.47W	g	LFEX02MV
0003	251004	0	SSXX	E Towed fish	05.018	SIX	29-59.31N	140-00.84W	g	LFEX02MV
0215	251004	0	SSXX	B Towed fish	05.021	SIX	29-59.31N	140-00.84W	g	LFEX02MV
0649	251004	0	SSXX	E Towed fish	05.021	SIX	30-02.18N	139-56.08W	g	LFEX02MV
0320	271004	0	SSXX	B Towed fish	05.047	SIX	29-58.53N	140-01.24W	g	LFEX02MV
1737	271004	0	SSXX	E Towed fish	05.047	SIX	29-53.62N	140-03.01W	g	LFEX02MV
2010	281004	0	SSXX	B Towed fish	05.053	SIX	29-59.57N	140-00.42W	g	LFEX02MV
1724	301004	0	SSXX	E Towed fish	05.053	SIX	29-59.81N	140-00.26W	g	LFEX02MV
0340	311004	0	SSXX	B Towed fish	05.059	SIX	30-02.73N	139-58.84W	g	LFEX02MV
1716	011104	0	SSXX	E Towed fish	05.059	SIX	30-00.33N	140-00.48W	g	LFEX02MV
0200	071104	0	SSXX	B Towed fish	06.001	SIX	32-59.97N	117-39.77W	g	LFEX02MV
0940	071104	0	SSXX	E Towed fish	06.001	SIX	33-10.79N	117-27.24W	g	LFEX02MV

*** Trace Metals in Water Samples ***

0448	221004	0	CSFE	B TM	05.001	MLML	30-14.70N	139-55.22W	g	LFEX02MV
0543	221004	0	CSFE	E TM	05.001	MLML	30-14.70N	139-55.22W	g	LFEX02MV
2010	261004	0	CSFE	B TM	05.038	MLML	30-00.64N	140-00.66W	g	LFEX02MV
2034	261004	0	CSFE	E TM	05.038	MLML	30-00.65N	140-00.65W	g	LFEX02MV

*** Expendable Bathythermographs ***

0349	161004	0	BTXP	B	1-9 fast deep	xbts	GDC	21-16.50N	158-11.75W	g	LFEX02MV
1519	061104	0	BTXP	E	1-9 fast deep	xbts	GDC	32-18.52N	119-57.78W	g	LFEX02MV

#					End Sample Index						LFEX02MV
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