

*Report and Index of
Underway Marine Geophysical Data*

Vancouver Expedition

Leg 2

(VANC02MV)

R/V Melville

(Issued November 2002)

Ports:

Puerto Caldera, Costa Rica (7 September 2002)

to

Puerto Caldera, Costa Rica (9 October 2002)

Chief Scientist: Andrew Fisher

University of California Santa Cruz

afisher@es.ucsc.edu

Computer Tech - Dan Jacobson

Resident Tech - Bob Wilson; Tracy Engstrom

Post-Cruise processing and report preparation by

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 cruise 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 the Shipboard Technical Support Group, Scripps Institution of Oceanography, La Jolla, California 92093-0223.

GDC Cruise ID# 299

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.

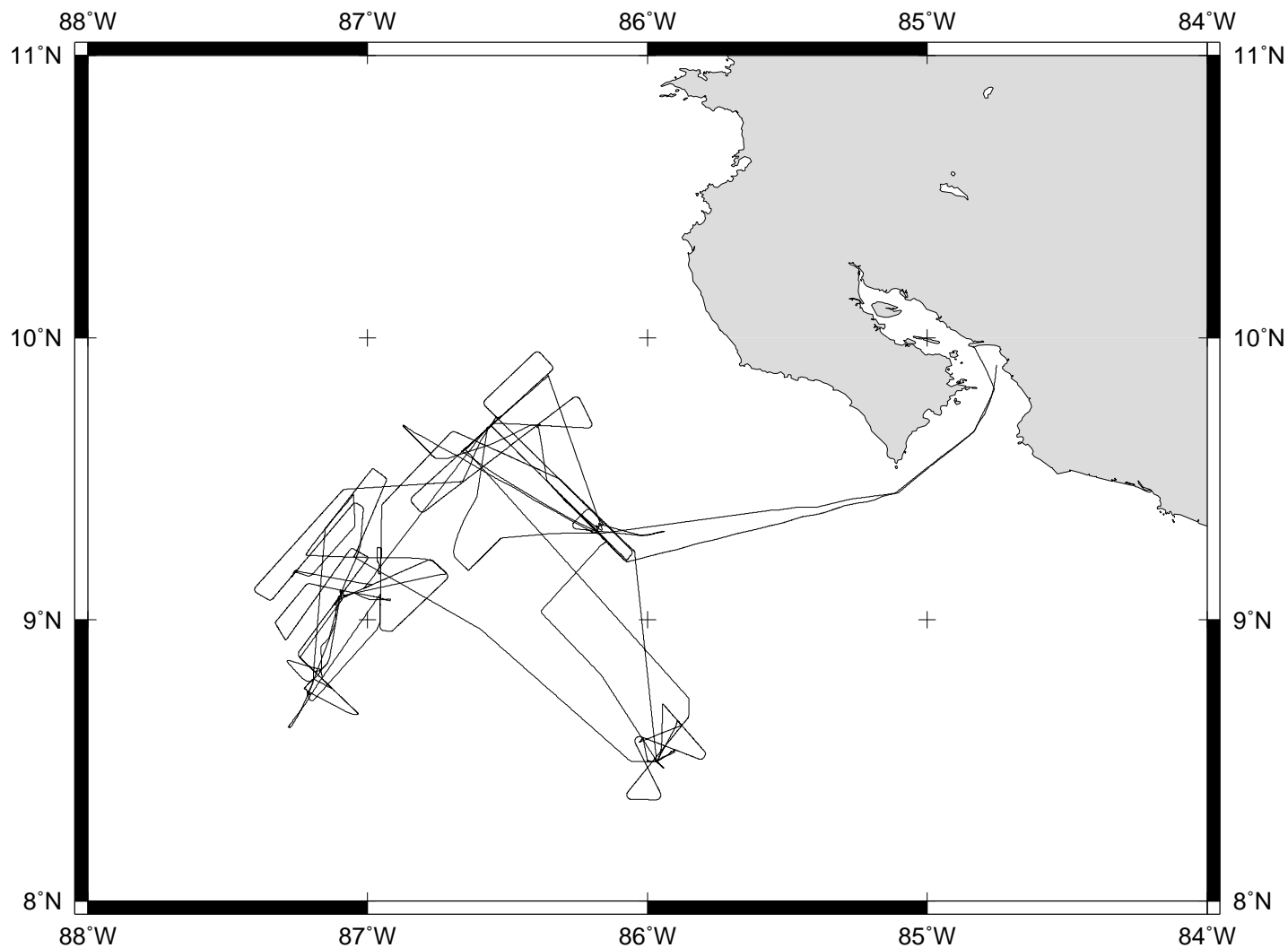
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

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



VANCOUVER EXPEDITION LEG 2 (VANC02MV)

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CHIEF SCIENTIST: Andrew Fisher, Univ. of CA Santa Cruz

PORTS: Puerto Caldera - Puerto Caldera, Costa Rica

DATES: 07 September - 09 October 2002

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-2039 miles

Magnetics-none collected

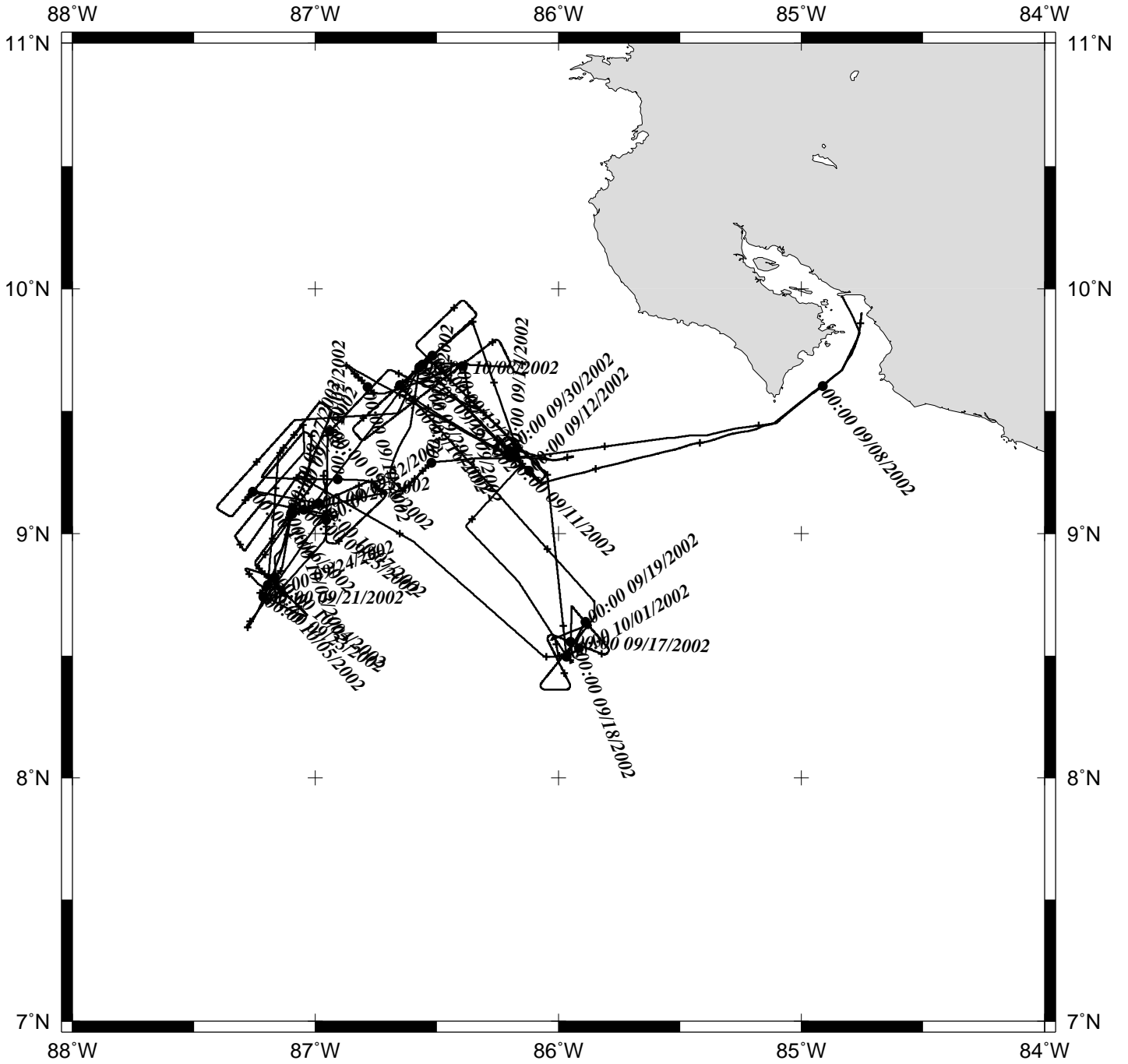
Bathymetry-1795 miles

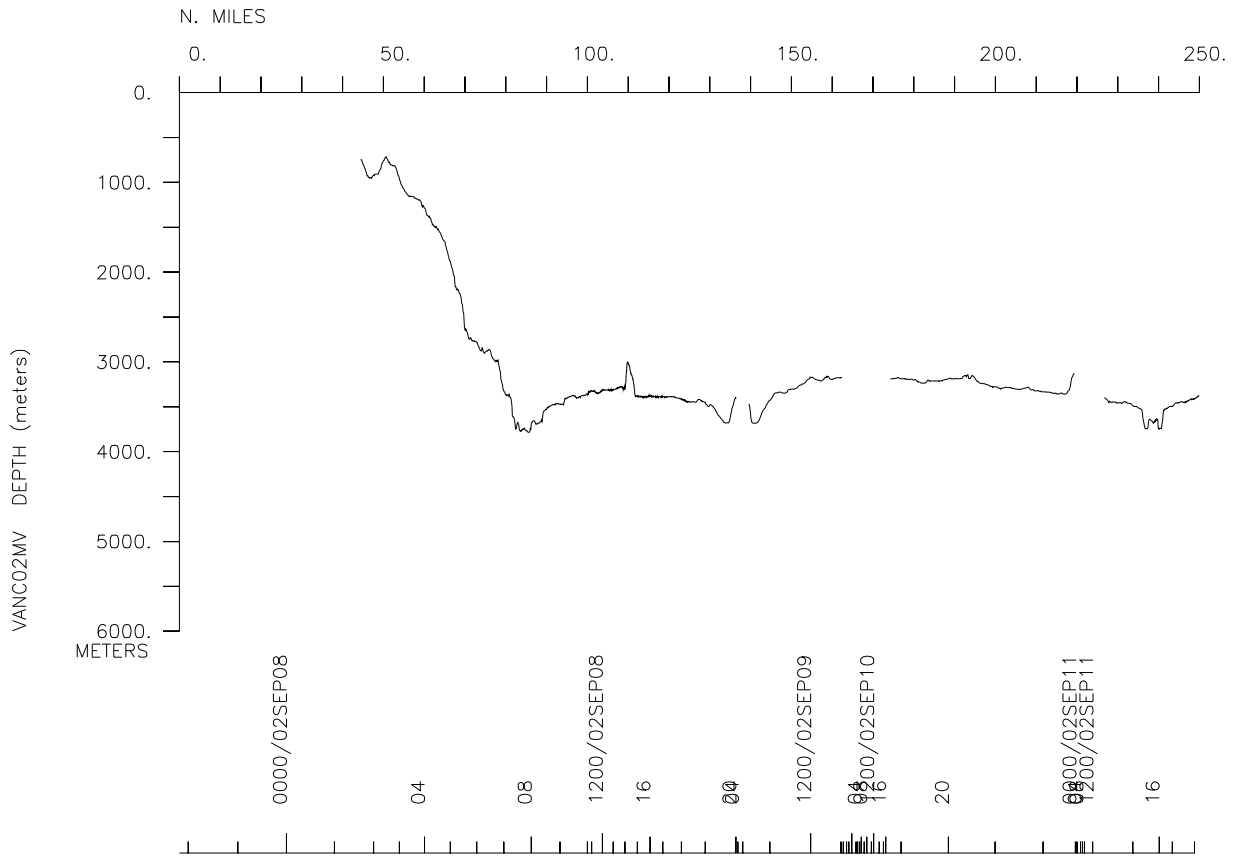
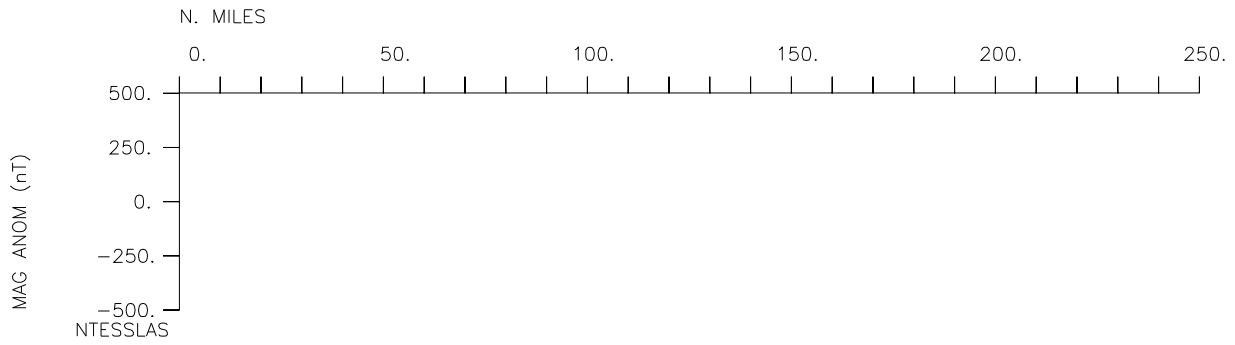
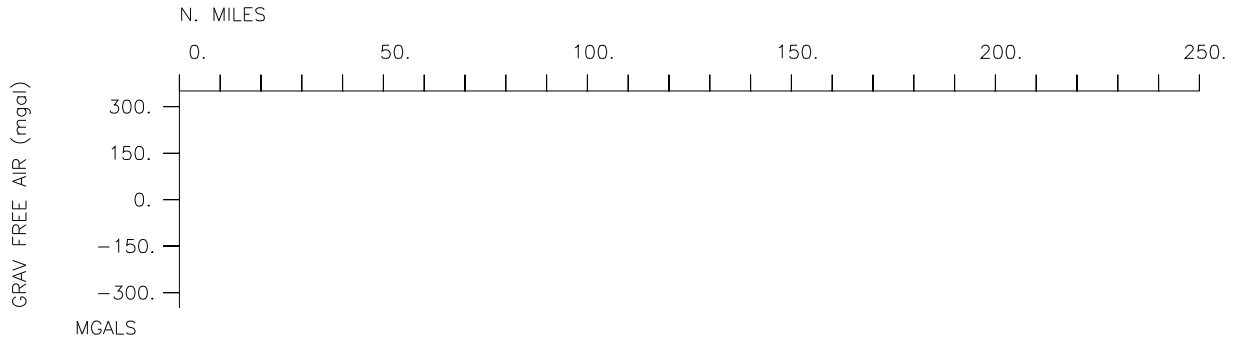
Seismic Reflection-collected

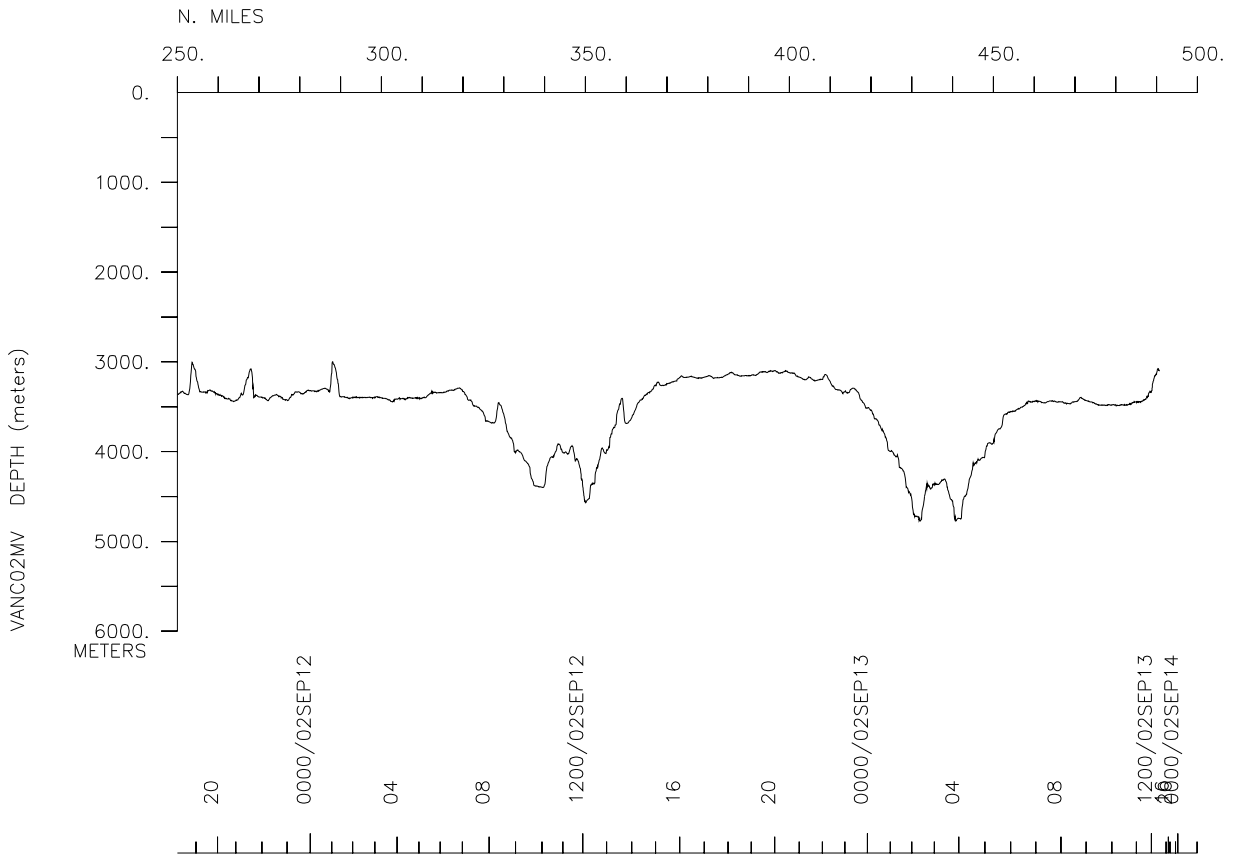
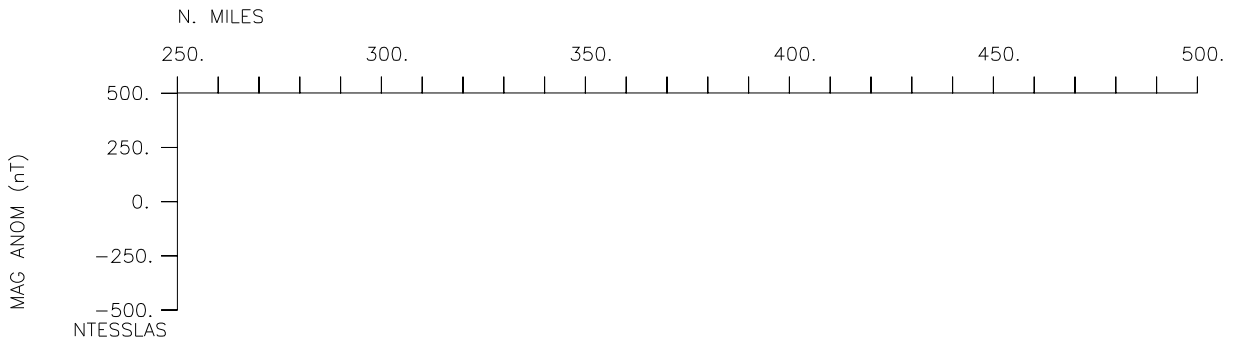
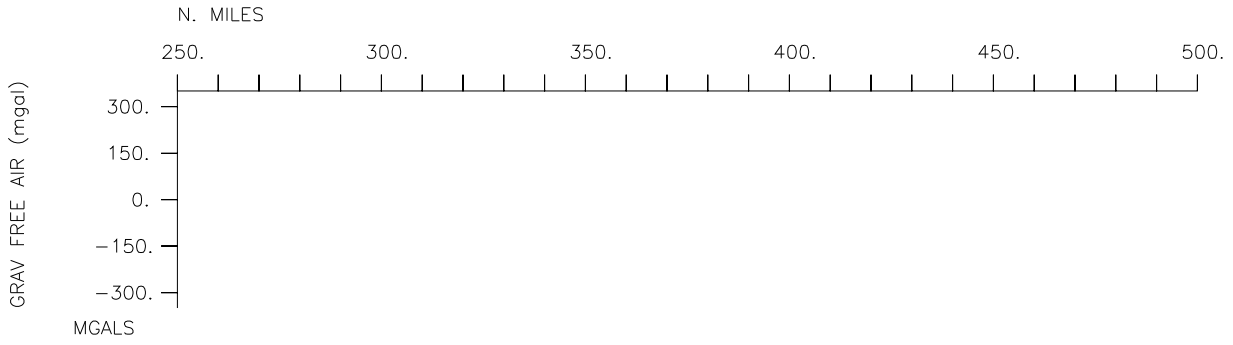
Multibeam-1795 miles

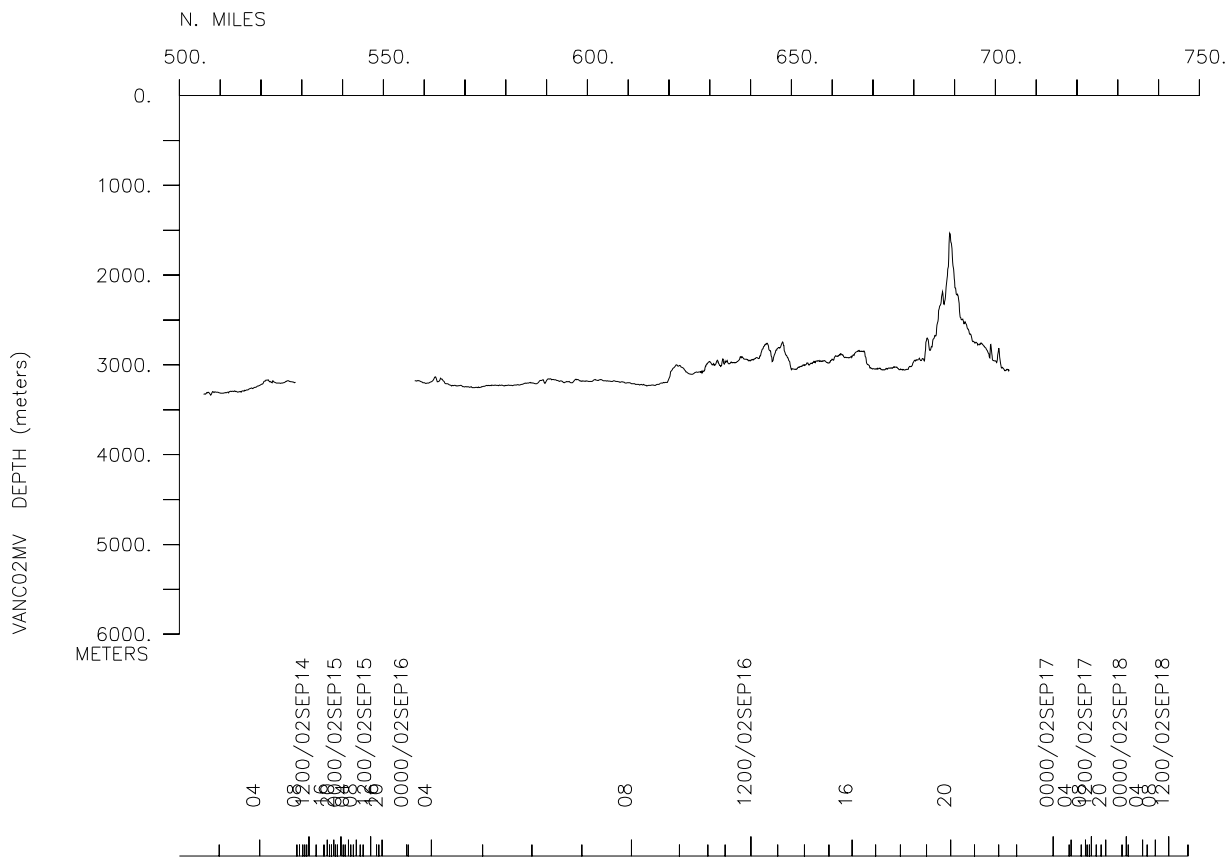
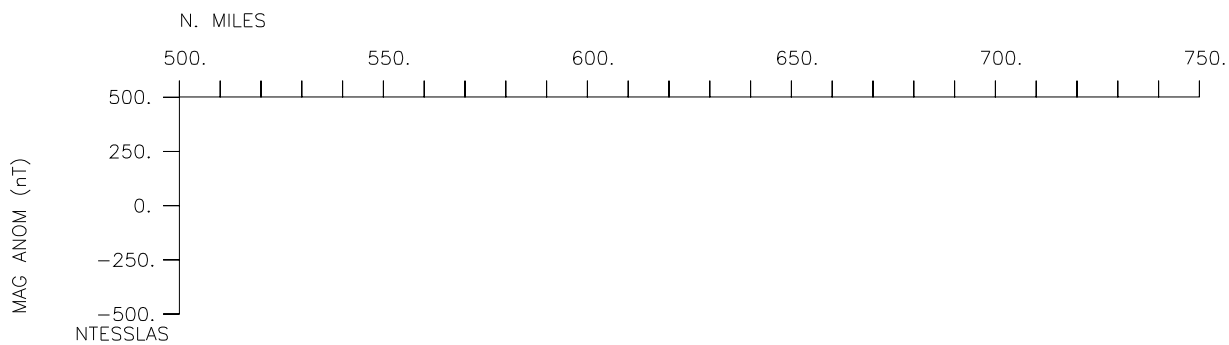
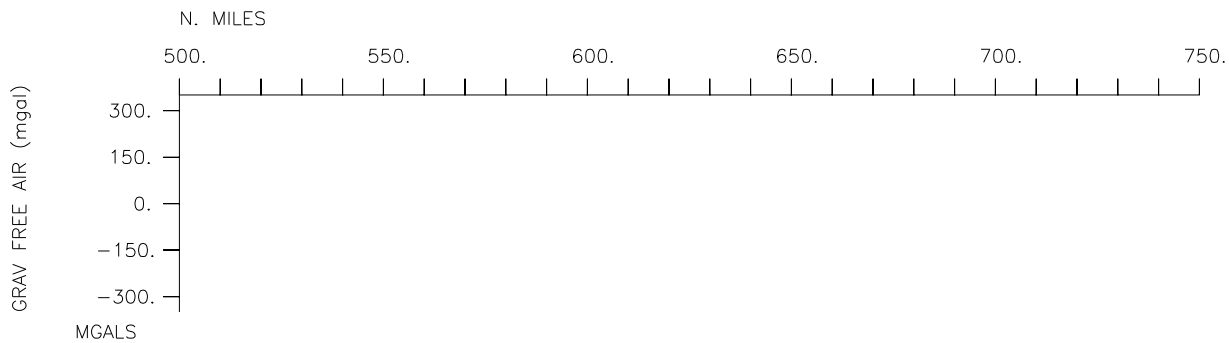
Gravity-none collected

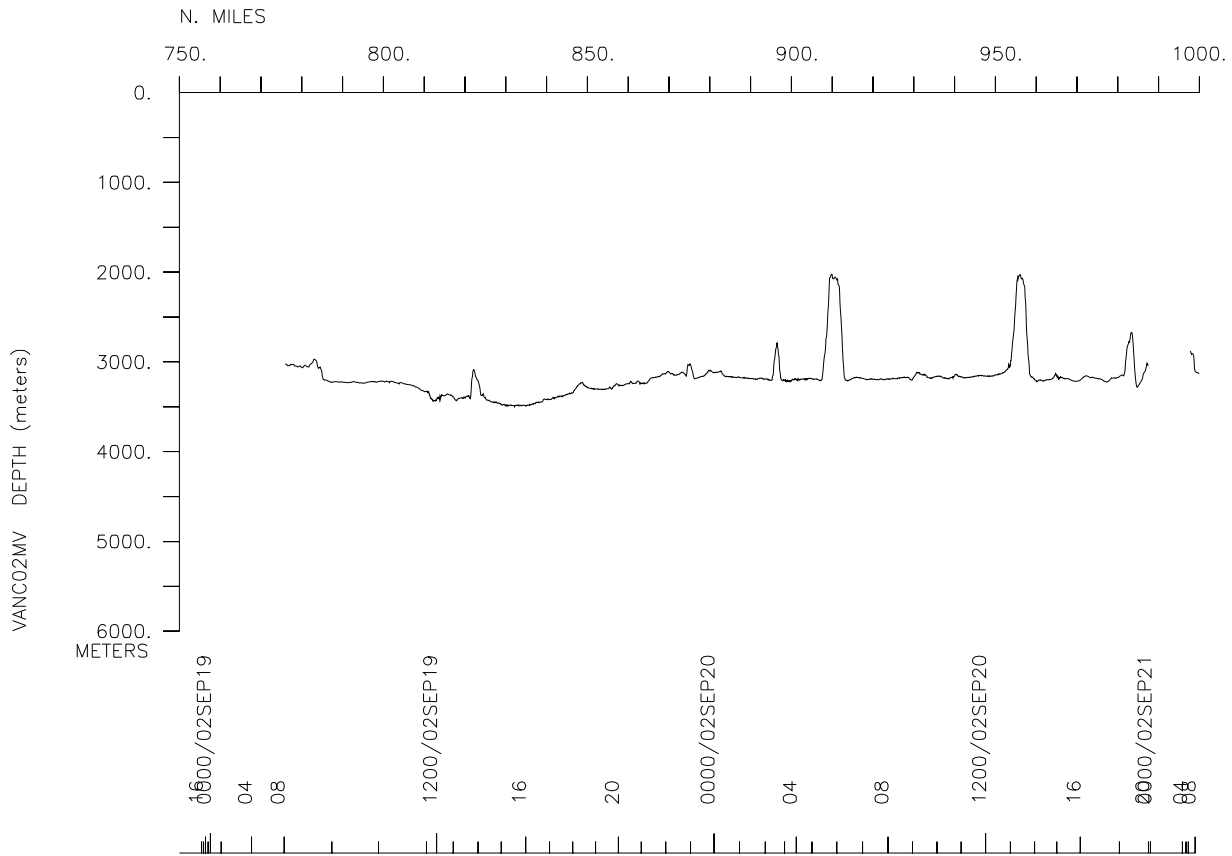
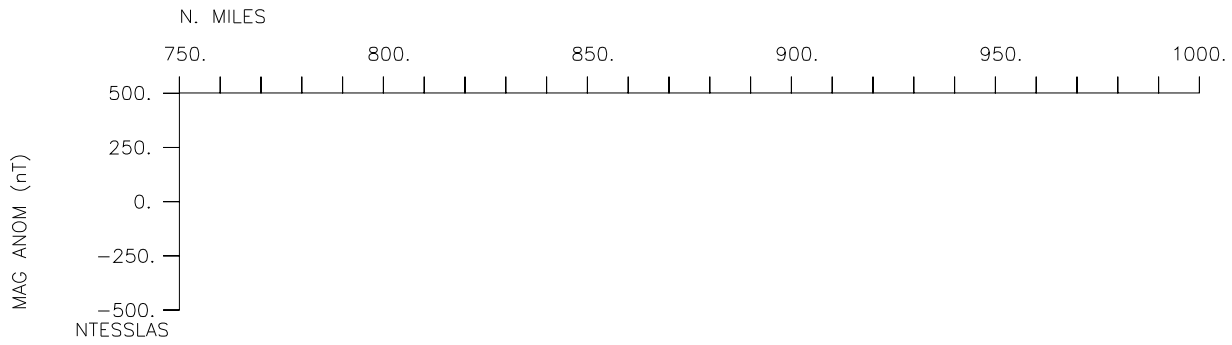
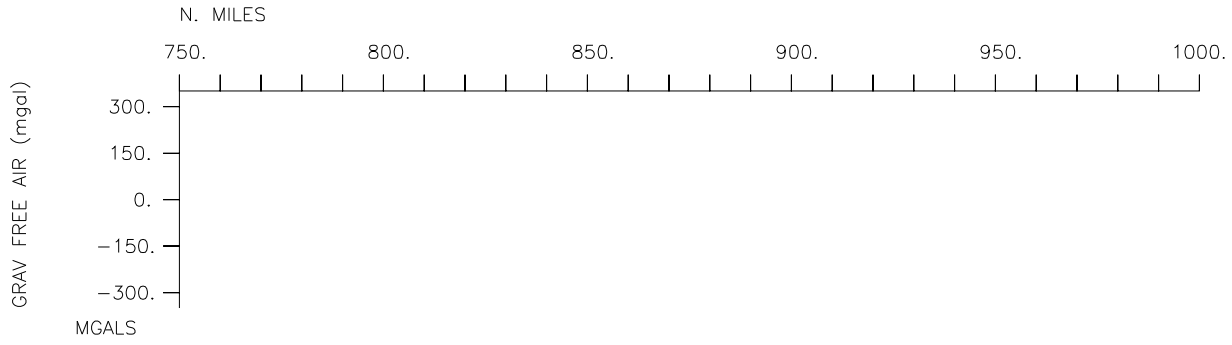
VANC02MV

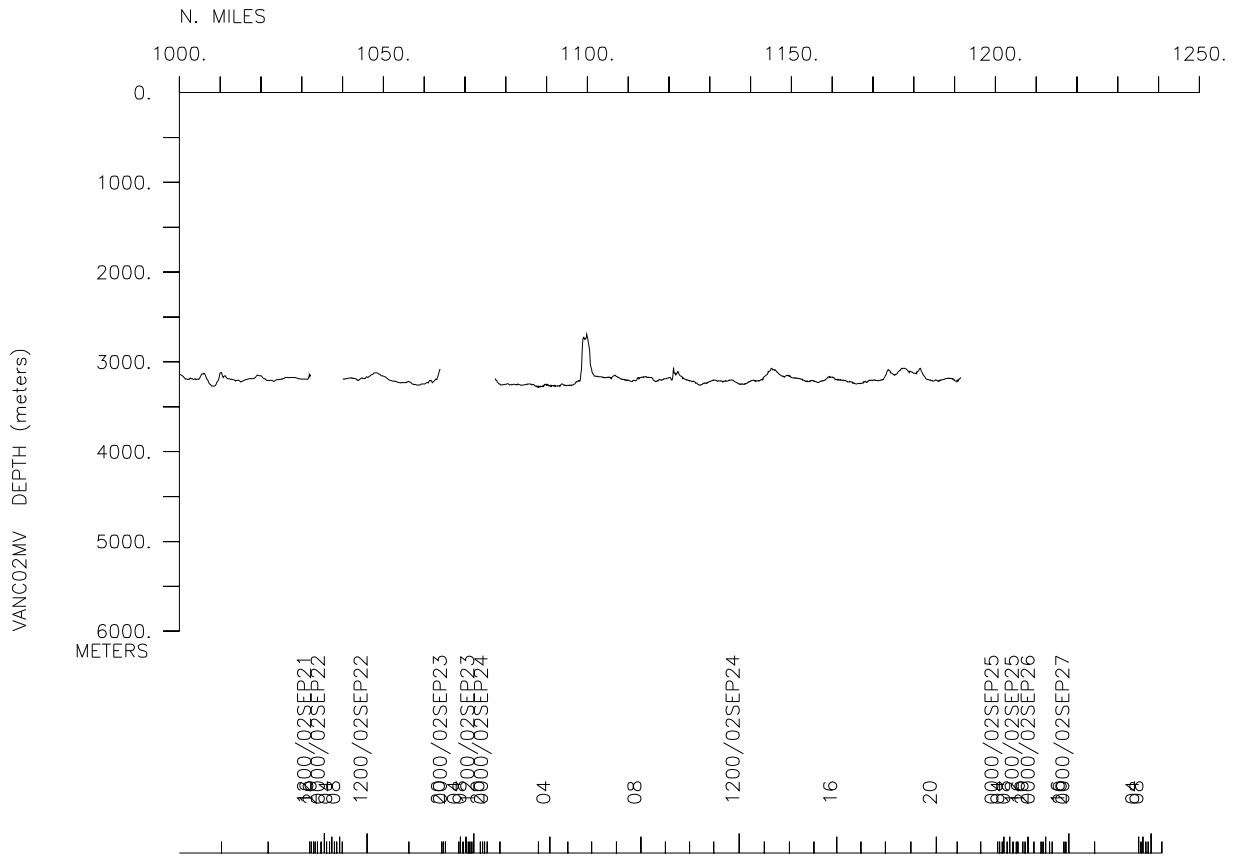
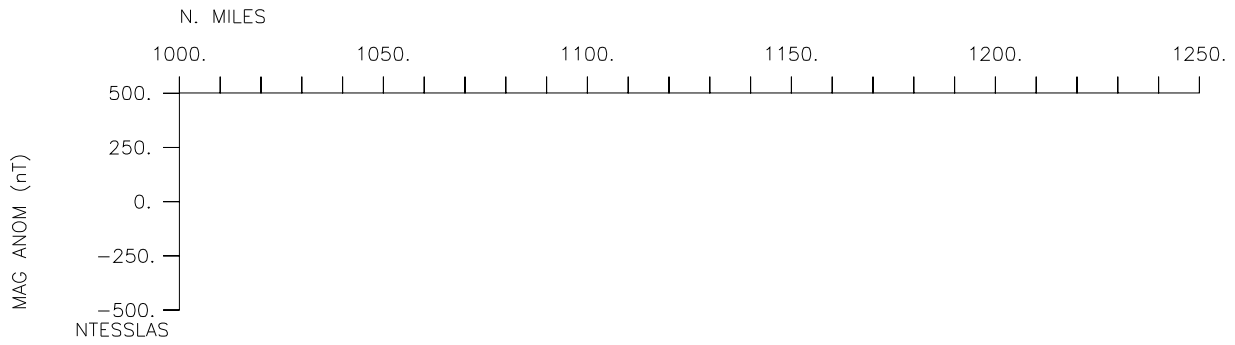
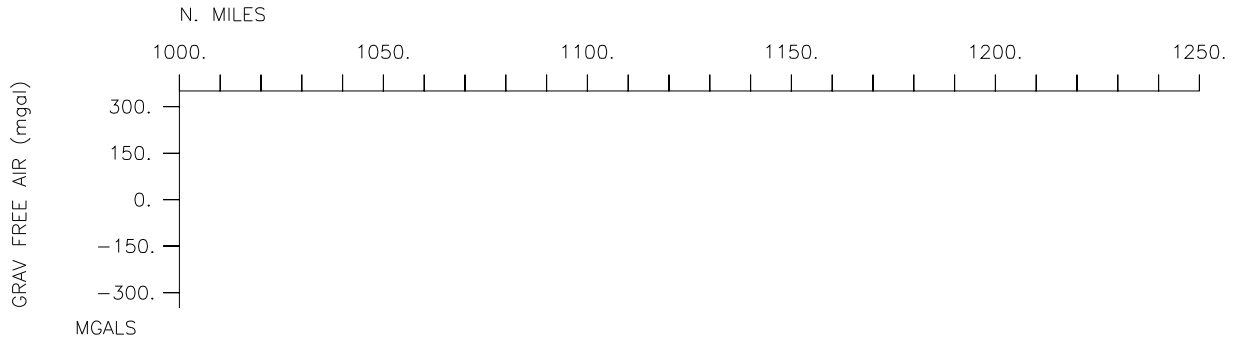


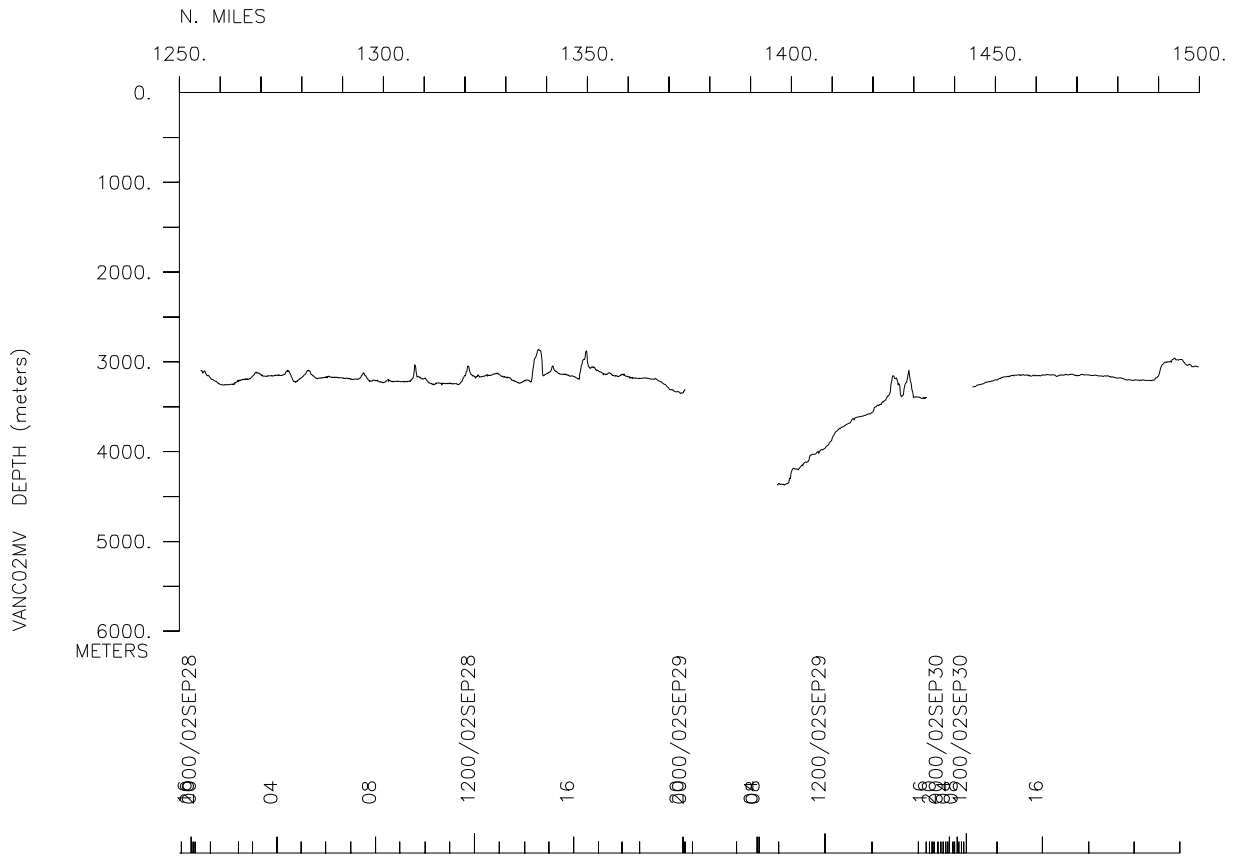
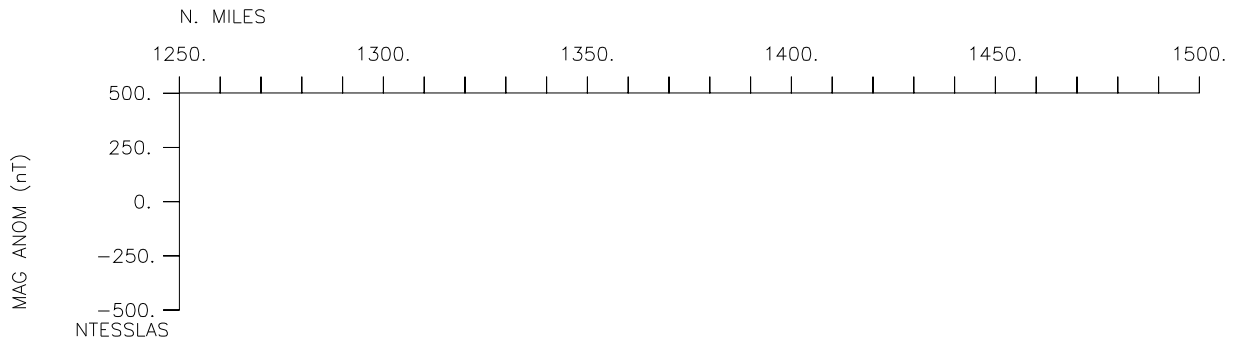
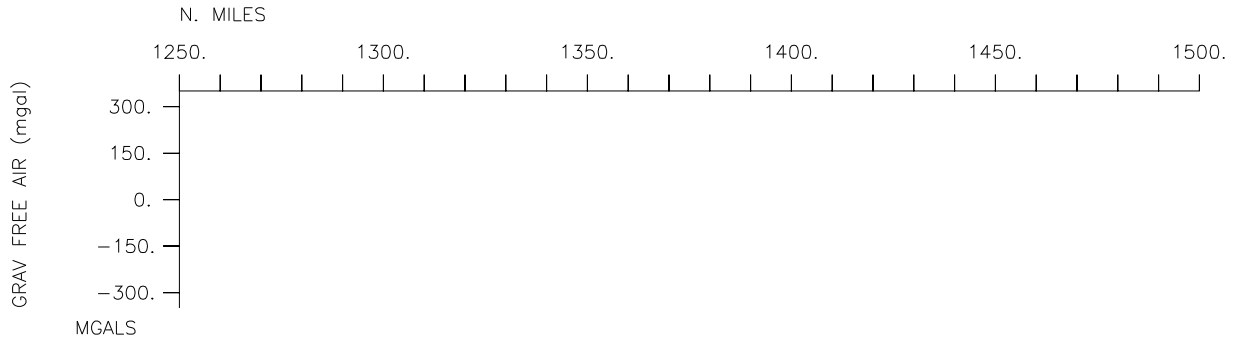


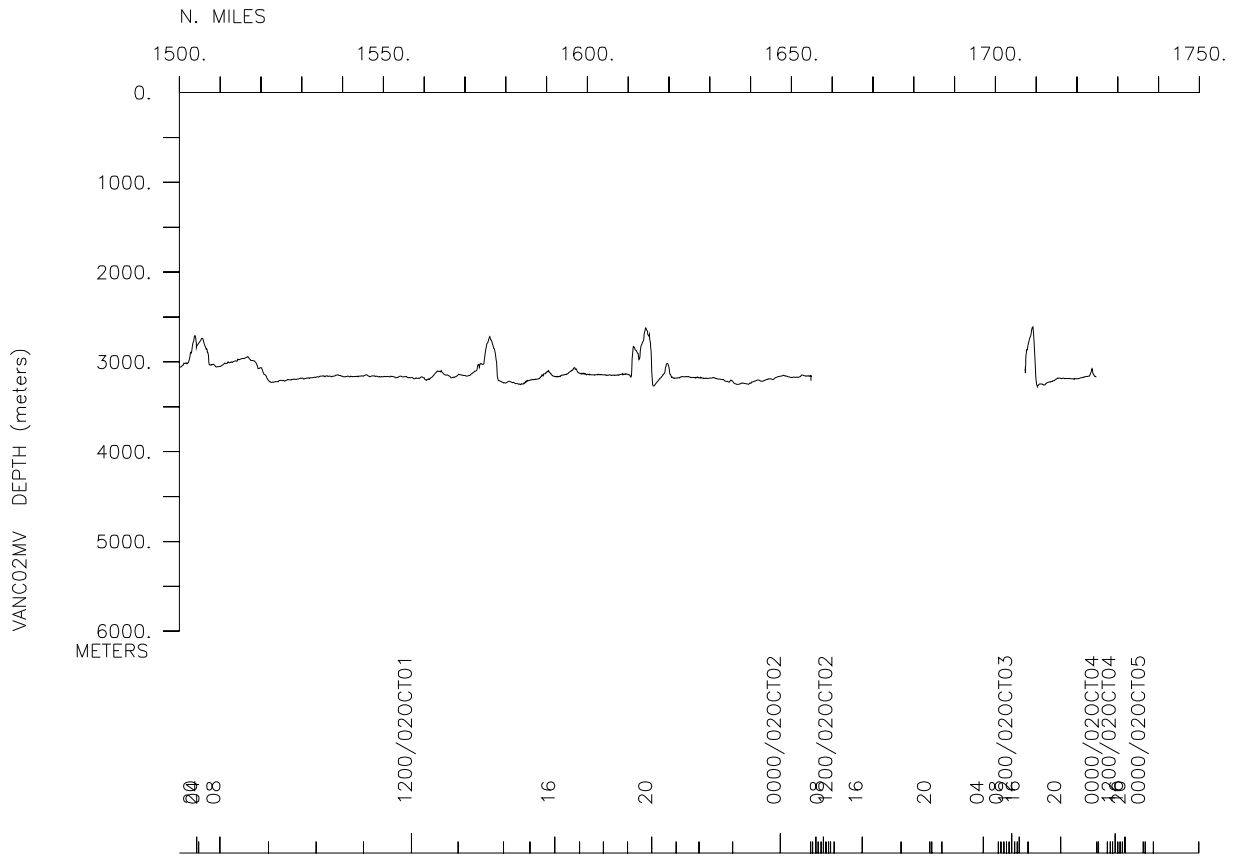
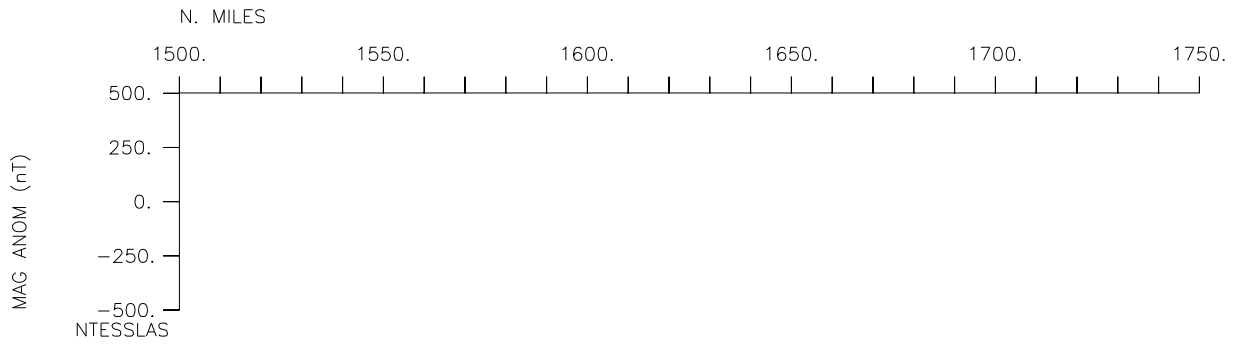
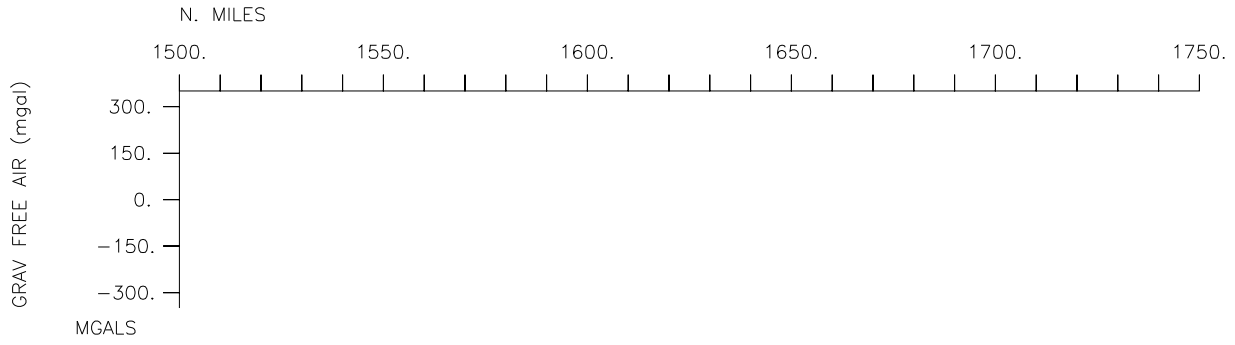


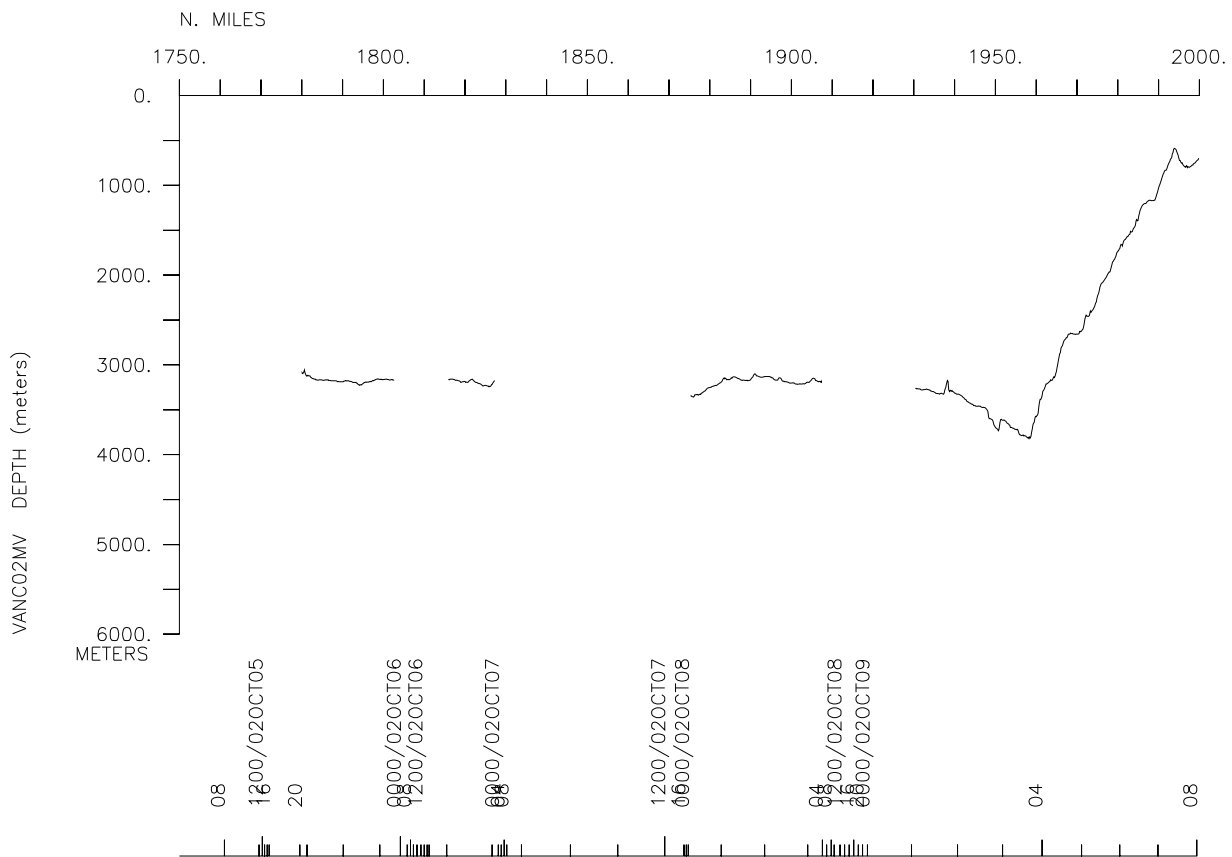
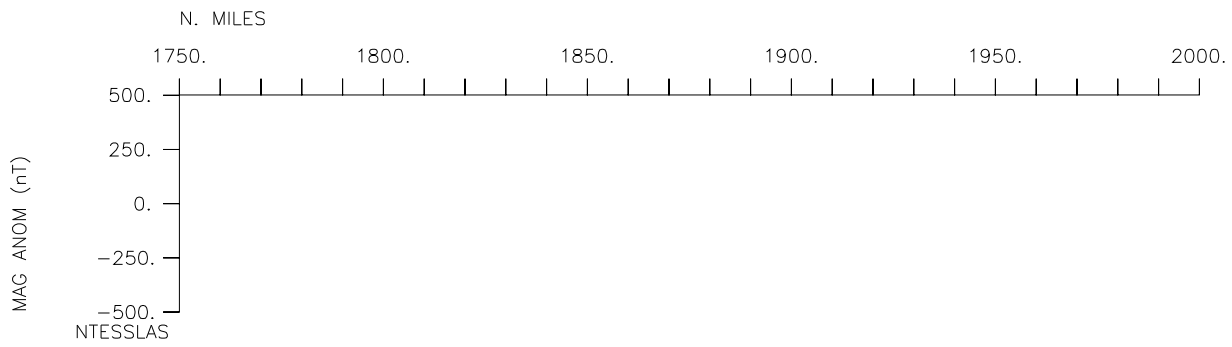
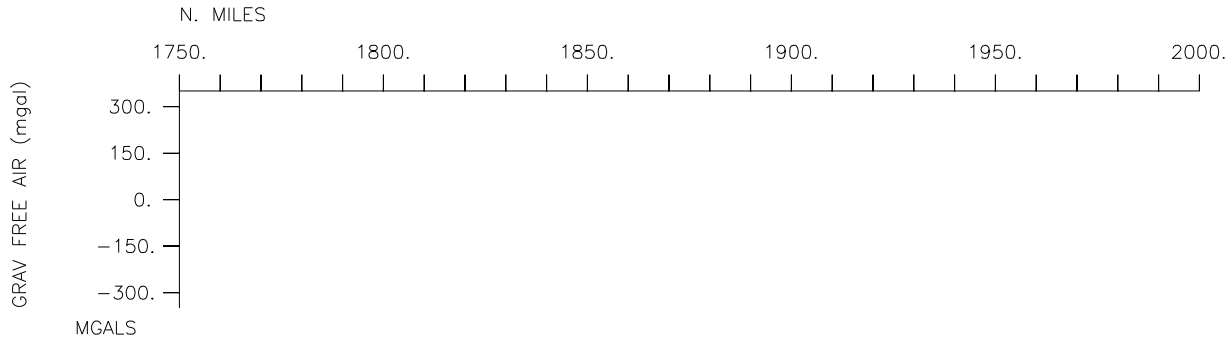


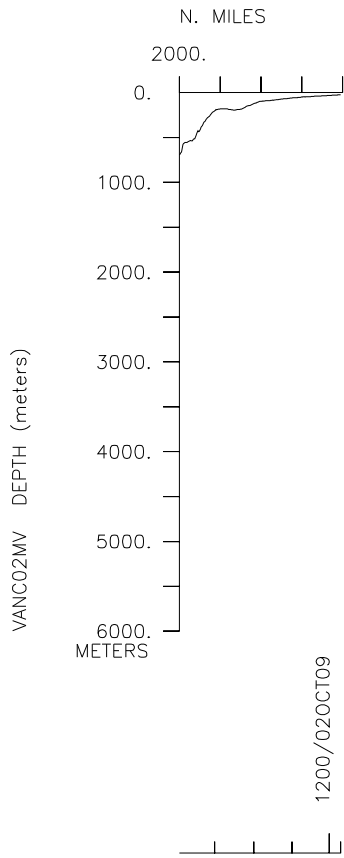
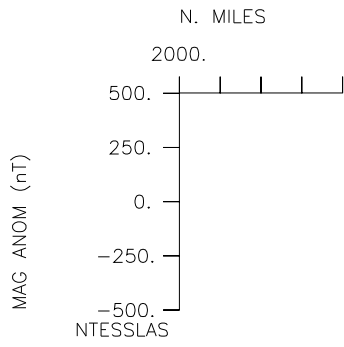
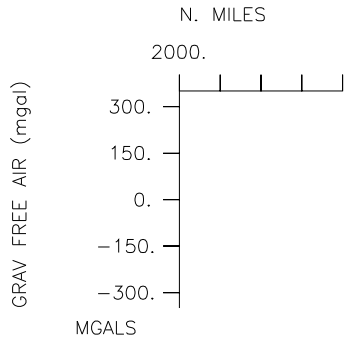












S.I.O. Sample Index

Vancouver Expedition

Leg 2

(Vanc02MV)

R/V Melville

(Issued November 2002)

PORTS:

Puerto Caldera, Costa Rica (7 Septembert 2002)
to
Puerto Caldera, Costa Rica (9 October 2002)

Chief Scientist : Andrew Fisher
University of California Santa Cruz

The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident marine technician and processed on shore by the S.I.O. Shipboard Technical Support Group shortly after the completion of the cruise leg.

Positions are interpolated on the basis of sample time by comparison to a single, edited navigation file. Samples beginning at one time and position and ending at another are entered on two consecutive lines. Disposition and sample type are represented by three and four character codes to permit future computer searches on these parameters. (Listings defining these codes are available from the Shipboard Technical Support Group.)

GDC Cruise ID# 299

**** Ports ***

2125 070902 7 LGPT B Puerto Caldera, C.R. 09-53.00N 84-45.00W f VANC02MV
 1400 091002 6 LGPT E Puerto Caldera, C.R. 09-53.00N 84-45.00W f VANC02MV

**** Personnel ***

```

# *****NAME***** *****TITLE***** *****AFFILIATION***** **CRID**
#-----
PECS UCSC Fisher,Dr.A. Chief Scientist U.C. Santa Cruz VANC02MV
PESP UCSC Silver,Dr.E. Co-Chief Sci. U.C. Santa Cruz VANC02MV
PESP UAK Wheat,G. Co-Chief Sci. U. of Alaska VANC02MV
PESP SIX Bautier,M. Scientist France VANC02MV
PESP UCSC Costa,P. Scientist U.C. Santa Cruz VANC02MV
PESP SIX Harris,Dr.R. Scientist U. of Utah VANC02MV
PESP SIX Stein,Dr.C Scientist U. of Illinois VANC02MV
PESP SIX Spinelli,G. Scientist U. of Michigan VANC02MV
PESP SIX Underwood,M. Scientist U. of Missouri VANC02MV
PERT STS Wilson,B. Resident Tech. Scripps Institution VANC02MV
PERT STS Engstrom,T. Resident Tech. Scripps Institution VANC02MV
PEST STS Ellett,L. Seismic Tech. Scripps Institution VANC02MV
PECT STS Jacobson,D. Computer Tech. Scripps Institution VANC02MV
PESP UAK Friedman,P. Technician U. of Alaska VANC02MV
PESP UAK Parsons,W. Technician U. of Alaska VANC02MV
PESP UAK Jones,M. Technician U. of Alaska VANC02MV
PESP OSU Moser,C. Technician Oregon State Univ. VANC02MV
PEST UCSC Hutnak,M. Graduate Student U.C. Santa Cruz VANC02MV
PEST SIX Hasterok,D. Graduate Student U. of Utah VANC02MV
PEST UCSC Hernandez,B. Undergraduate U.C. Santa Cruz VANC02MV
PEST UCSC MacKnight,B. Undergraduate U.C. Santa Cruz VANC02MV
    
```

**** 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 ***

2200 070902 0 LBUW B Underway watch log STS 9-56.36N 84-49.07W g VANC02MV
 2230 081002 0 LBUW E Underway watch log STS 9-17.41N 86-31.41W g VANC02MV

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

1330 080902 0 MBSR B Multibeam data STS 9-17.61N 86-09.83W g VANC02MV
 1240 091002 0 MBSR E Multibeam data STS 9-54.26N 84-45.18W g VANC02MV

**** Echo Sounder Record - 3.5kHz ***
 **** Intermittent data ***

1416 110902 0 DPR3 B 3.5 kHz data r-01 STS 9-20.04N 86-08.93W g VANC02MV
 1300 091002 0 DPR3 E 3.5 kHz data r-01 STS 9-54.26N 84-45.18W g VANC02MV

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

*** Seismic Profiler Lines - Airgun ***

1100	080902	0	SPDL	B	Seismic test	UCSC	9-12.87N	86-05.06W	g	VANC02MV
1825	080902	0	SPDL	E	Seismic test	UCSC	9-29.62N	86-21.52W	g	VANC02MV
1603	110902	0	SPDL	B	Seismic 01	UCSC	9-18.59N	85-58.02W	g	VANC02MV
1236	130902	0	SPDL	E	Seismic 01	UCSC	9-20.40N	86-09.56W	g	VANC02MV
0931	150902	0	SPDL	B	Seismic 02	UCSC	9-43.00N	86-32.23W	g	VANC02MV
2230	160902	0	SPDL	E	Seismic 02	UCSC	8-40.73N	85-55.52W	g	VANC02MV
1135	180902	0	SPDL	B	Seismic 03	UCSC	8-30.00N	86-00.00W	g	VANC02MV
1453	200902	0	SPDL	E	Seismic 03	UCSC	9-04.85N	87-05.11W	g	VANC02MV
0318	230902	0	SPDL	B	Seismic 04	UCSC	8-47.35N	87-11.82W	g	VANC02MV
2107	240902	0	SPDL	E	Seismic 04	UCSC	9-04.37N	86-56.32W	g	VANC02MV
0213	270902	0	SPDL	B	Seismic 05	UCSC	9-05.04N	87-05.93W	g	VANC02MV
1800	280902	0	SPDL	E	Seismic 05	UCSC	9-29.29N	86-42.47W	g	VANC02MV
1500	011002	0	SPDL	B	Seismic 06	UCSC	9-15.25N	87-02.10W	g	VANC02MV
2213	011002	0	SPDL	E	Seismic 06	UCSC	9-14.42N	87-12.92W	g	VANC02MV

*** Acoustic Doppler Current Profiler ***

2200	070902	0	ADCP	B	current measurements	GDC	9-56.36N	84-49.07W	g	VANC02MV
1300	091002	0	ADCP	E	current measurements	GDC	9-54.26N	84-45.18W	g	VANC02MV

*** Integrated Meteorological Acquisition System ***

2200	070902	0	IMET	B	Weather Data	GDC	9-56.36N	84-49.07W	g	VANC02MV
1300	091002	0	IMET	E	Weather Data	GDC	9-54.26N	84-45.18W	g	VANC02MV

*** Cores - Gravity and Piston ***

2236	080902	0	COGV		Gravity 01 3608M	OSU	9-41.00N	86-23.74W	g	VANC02MV
0319	090902	0	COGV		Gravity 02 3621M	OSU	9-41.13N	86-23.62W	g	VANC02MV
0757	090902	0	COGV		Gravity 03 3800M	OSU	9-41.65N	86-23.03W	g	VANC02MV
0028	110902	0	COGV		Gravity 04 3100M	OSU	9-18.65N	86-11.88W	g	VANC02MV
0414	110902	0	COGV		Gravity 05 3477M	OSU	9-18.65N	86-11.26W	g	VANC02MV
0806	110902	0	COGV		Gravity 06 3250M	OSU	9-18.65N	86-11.11W	g	VANC02MV
1202	110902	0	COGV		Gravity 07 3250M	OSU	9-20.45N	86-10.44W	g	VANC02MV
1605	130902	0	COGV		Gravity 08 3250M	OSU	9-20.06N	86-11.00W	g	VANC02MV
1840	130902	0	COGV		Gravity 09 3250M	OSU	9-19.92N	86-10.89W	g	VANC02MV
2301	130902	0	COGV		Gravity 10 3330M	OSU	9-18.96N	86-10.73W	g	VANC02MV
1438	150902	0	COGV		Gravity 11 3300M	OSU	9-40.77N	86-34.27W	g	VANC02MV
1811	150902	0	COGV		Gravity 12 3315M	OSU	9-40.79N	86-34.31W	g	VANC02MV
2219	150902	0	COGV		Gravity 13 3145M	OSU	9-36.44N	86-39.08W	g	VANC02MV
0137	160902	0	COGV		Gravity 14 3160M	OSU	9-36.39N	86-39.14W	g	VANC02MV
0237	170902	0	COGV		Gravity 15 2810M	OSU	8-29.94N	85-58.17W	g	VANC02MV
1814	170902	0	COGV		Gravity 16 2755M	OSU	8-29.83N	85-58.06W	g	VANC02MV
2155	170902	0	COGV		Gravity 17 2831M	OSU	8-32.21N	85-54.25W	g	VANC02MV
0128	180902	0	COGV		Gravity 18 2844M	OSU	8-31.82N	85-54.90W	g	VANC02MV
0502	180902	0	COGV		Gravity 19 2835M	OSU	8-29.79N	85-58.03W	g	VANC02MV
0525	190902	0	COGV		Gravity 20 2780M	OSU	8-29.75N	85-58.05W	g	VANC02MV
1916	200902	0	COGV		Gravity 21 3035M	OSU	8-44.20N	87-12.75W	g	VANC02MV
2235	200902	0	COGV		Gravity 22 3020M	OSU	8-44.34N	87-12.64W	g	VANC02MV
0240	210902	0	COGV		Gravity 23 2875M	OSU	8-37.01N	87-16.80W	g	VANC02MV
0546	210902	0	COGV		Gravity 24 2860M	OSU	8-37.25N	87-17.07W	g	VANC02MV
1520	220902	0	COGV		Gravity 25 3050M	OSU	8-44.55N	87-12.90W	g	VANC02MV
1812	220902	0	COGV		Gravity 26 3140M	OSU	8-44.52N	87-12.82W	g	VANC02MV
2052	220902	0	COGV		Gravity 27 3030M	OSU	8-44.47N	87-12.75W	g	VANC02MV
2347	220902	0	COGV		Gravity 28 3030M	OSU	8-44.43N	87-12.87W	g	VANC02MV
1538	230902	0	COGV		Gravity 29 3020M	OSU	8-44.24N	87-12.71W	g	VANC02MV
1822	230902	0	COGV		Gravity 30 3030M	OSU	8-44.20N	87-12.50W	g	VANC02MV
2110	230902	0	COGV		Gravity 31 3060M	OSU	8-44.16N	87-12.44W	g	VANC02MV
0007	240902	0	COGV		Gravity 32 3040M	OSU	8-44.58N	87-12.78W	g	VANC02MV

1437	250902	0	COGV	Gravity	33	3030M	OSU	9-05.25N	87-05.78W	g	VANC02MV
1746	250902	0	COGV	Gravity	34	3030M	OSU	9-05.19N	87-05.85W	g	VANC02MV
2057	250902	0	COGV	Gravity	35	3124M	OSU	9-05.23N	87-05.80W	g	VANC02MV
0020	260902	0	COGV	Gravity	36	3075M	OSU	9-06.31N	87-05.65W	g	VANC02MV
1518	260902	0	COGV	Gravity	37	3110M	OSU	9-05.22N	87-05.83W	g	VANC02MV
1822	260902	0	COGV	Gravity	38	3206M	OSU	9-04.97N	87-05.99W	g	VANC02MV
2132	260902	0	COGV	Gravity	39	3182M	OSU	9-05.01N	87-05.96W	g	VANC02MV
0044	270902	0	COGV	Gravity	40	3140M	OSU	9-05.05N	87-05.93W	g	VANC02MV
1640	270902	0	COGV	Gravity	41	3102M	OSU	9-05.09N	87-05.91W	g	VANC02MV
1939	270902	0	COGV	Gravity	42	3161M	OSU	9-04.85N	87-05.79W	g	VANC02MV
2248	270902	0	COGV	Gravity	43	3140M	OSU	9-04.88N	87-05.77W	g	VANC02MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	---	-----	-----	-----	-----	-----	-----	-----	-----	-----
2222	280902	0	COPS	Piston 44	3314M	OSU	9-40.80N	86-34.31W	g	VANC02MV
0634	290902	0	COPS	Piston 45	4725M	OSU	9-51.94N	86-21.28W	g	VANC02MV
2107	300902	0	COGV	Gravity 46	2840M	OSU	8-29.82N	85-58.00W	g	VANC02MV
2335	300902	0	COGV	Gravity 47	2840M	OSU	8-29.78N	85-58.00W	g	VANC02MV
0429	011002	0	COPS	Piston 48	2840M	OSU	8-29.80N	85-58.01W	g	VANC02MV
1922	021002	0	COGV	Gravity 49	3140M	OSU	9-05.04N	87-05.93W	g	VANC02MV
2218	021002	0	COGV	Gravity 50	3140M	OSU	9-05.05N	87-05.93W	g	VANC02MV
0103	031002	0	COGV	Gravity 51	3140M	OSU	9-05.05N	87-05.93W	g	VANC02MV
2228	031002	0	COGV	Gravity 52	3150M	OSU	8-49.17N	87-10.11W	g	VANC02MV
0131	041002	0	COGV	Gravity 53	3080M	OSU	8-49.12N	87-10.15W	g	VANC02MV
0424	041002	0	COGV	Gravity 54	3125M	OSU	8-49.14N	87-10.13W	g	VANC02MV
2221	041002	0	COGV	Gravity 55	3200M	OSU	8-47.34N	87-11.82W	g	VANC02MV
0110	051002	0	COGV	Gravity 56	3170M	OSU	8-47.39N	87-11.77W	g	VANC02MV
0407	051002	0	COGV	Gravity 57	3100M	OSU	8-47.42N	87-11.74W	g	VANC02MV
1921	051002	0	COGV	Gravity 58	3000M	OSU	9-26.60N	87-03.05W	g	VANC02MV
0053	061002	0	COGV	Gravity 59	3140M	OSU	9-10.22N	87-15.49W	g	VANC02MV
1620	061002	0	COGV	Gravity 60	3110M	OSU	9-10.53N	87-15.58W	g	VANC02MV
1900	061002	0	COGV	Gravity 61	3116M	OSU	9-10.48N	87-15.63W	g	VANC02MV
1352	071002	0	COGV	Gravity 62	3340M	OSU	9-40.89N	86-34.44W	g	VANC02MV
1644	071002	0	COGV	Gravity 63	3340M	OSU	9-40.92N	86-34.32W	g	VANC02MV
1932	071002	0	COGV	Gravity 64	3320M	OSU	9-40.84N	86-34.20W	g	VANC02MV
2227	071002	0	COGV	Gravity 65	3340M	OSU	9-40.67N	86-34.37W	g	VANC02MV
*** Heatflow ***										
2008	090902	0	HFXX	B Heatflow 01	3175M	UCSC	9-34.48N	86-45.63W	g	VANC02MV
1700	100902	0	HFXX	E Heatflow 01	3180M	UCSC	9-41.26N	86-52.36W	g	VANC02MV
0630	130902	0	HFXX	B Heatflow 02	3200M	UCSC	9-44.05N	86-33.30W	g	VANC02MV
1103	140902	0	HFXX	E Heatflow 02	3440M	UCSC	9-36.73N	86-38.76W	g	VANC02MV
0657	170902	0	HFXX	B Heatflow 03	2875M	UCSC	8-28.33N	85-56.53W	g	VANC02MV
1500	170902	0	HFXX	E Heatflow 03	2760M	UCSC	8-30.36N	85-58.56W	g	VANC02MV
1627	180902	0	HFXX	B Heatflow 04	2820M	UCSC	8-37.48N	85-52.66W	g	VANC02MV
0108	190902	0	HFXX	E Heatflow 04	2965M	UCSC	8-38.33N	85-53.41W	g	VANC02MV
1310	210902	0	HFXX	B Heatflow 05	3125M	UCSC	9-05.52N	86-57.29W	g	VANC02MV
0912	220902	0	HFXX	E Heatflow 05	3205M	UCSC	8-59.41N	86-57.38W	g	VANC02MV
0401	230902	0	HFXX	B Heatflow 06	3200M	UCSC	8-47.34N	87-11.82W	g	VANC02MV
1149	230902	0	HFXX	E Heatflow 06	3130M	UCSC	8-45.43N	87-13.60W	g	VANC02MV
2300	230902	0	HFXX	B Heatflow 07	3200M	UCSC	8-44.58N	87-12.77W	g	VANC02MV
1252	240902	0	HFXX	E Heatflow 07	3080M	UCSC	9-09.30N	87-07.85W	g	VANC02MV
0300	250902	0	HFXX	B Heatflow 08	3124M	UCSC	9-05.49N	87-03.68W	g	VANC02MV
1202	250902	0	HFXX	E Heatflow 08	3190M	UCSC	9-06.34N	87-05.82W	g	VANC02MV
0444	260902	0	HFXX	B Heatflow 09	3125M	UCSC	9-04.97N	87-05.99W	g	VANC02MV
1305	260902	0	HFXX	E Heatflow 09	3185M	UCSC	9-03.20N	87-07.10W	g	VANC02MV
1558	290902	0	HFXX	B Heatflow 10	3395M	UCSC	9-22.45N	86-14.38W	g	VANC02MV
1251	300902	0	HFXX	E Heatflow 10	3305M	UCSC	9-17.04N	86-08.93W	g	VANC02MV
0226	011002	0	HFXX	B Heatflow 11	3155M	UCSC	8-29.80N	85-58.01W	g	VANC02MV
1412	011002	0	HFXX	E Heatflow 11	3135M	UCSC	9-12.31N	87-00.99W	g	VANC02MV
0604	021002	0	HFXX	B Heatflow 12	3170M	UCSC	9-12.04N	86-45.43W	g	VANC02MV
1627	031002	0	HFXX	E Heatflow 12	3035M	UCSC	8-49.04N	87-11.47W	g	VANC02MV

0705	041002	0	HFXX	B	Heatflow	13	3160M	UCSC	8-47.44N	87-09.79W	g	VANC02MV
1718	041002	0	HFXX	E	Heatflow	13	3260M	UCSC	8-45.32N	87-07.57W	g	VANC02MV
0930	051002	0	HFXX	B	Heatflow	14	3175M	UCSC	9-19.40N	87-09.12W	g	VANC02MV
1635	051002	0	HFXX	E	Heatflow	14	3025M	UCSC	9-21.01N	87-07.86W	g	VANC02MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----	---	-----	-----	-----	-----	-----	-----	-----	-----	-----
1330	061002	0	HFXX	B Heatflow 15	UCSC	9-09.98N	87-15.71W	g		VANC02MV
1800	061002	0	HFXX	E Heatflow 15	UCSC	9-10.48N	87-15.62W	g		VANC02MV
0801	071002	0	HFXX	B Heatflow 16	UCSC	9-06.77N	87-00.75W	g		VANC02MV
1136	071002	0	HFXX	E Heatflow 16	UCSC	9-33.58N	86-40.09W	g		VANC02MV
1032	081002	0	HFXX	B Heatflow 17	UCSC	9-12.96N	86-35.93W	g		VANC02MV
0316	091002	0	HFXX	E Heatflow 17	UCSC	9-20.36N	85-55.78W	g		VANC02MV

*** Hydrocasts ***

1830	041002	0	HCNI	Hydrocast 1	UAK	8-45.32N	87-07.57W	g		VANC02MV
0400	051002	0	HCNI	Hydrocast 1	UAK	8-47.42N	87-11.74W	g		VANC02MV

*** Expendable Bathythermographs ***

0522	080902	0	BTXP	MK21 # 34	Fast_Deep	GDC	9-20.11N	85-33.55W	g	VANC02MV
1815	110902	0	BTXP	MK21 # 35	Fast_Deep	GDC	9-18.65N	86-07.98W	g	VANC02MV
0428	160902	0	BTXP	MK21 # 36	Fast_Deep	GDC	9-28.37N	86-31.88W	g	VANC02MV
1543	190902	0	BTXP	MK21 # 37	Fast_Deep	GDC	9-28.30N	86-17.04W	g	VANC02MV
0232	240902	0	BTXP	MK21 # 38	Fast_Deep	GDC	8-40.84N	87-05.41W	g	VANC02MV
1136	290902	0	BTXP	MK21 # 39	Fast_Deep	GDC	9-41.29N	86-17.51W	g	VANC02MV
1410	011002	0	BTXP	MK21 # 40	Fast_Deep	GDC	9-12.13N	87-00.66W	g	VANC02MV
0038	081002	0	BTXP	MK21 # 42	Fast_Deep	GDC	9-36.74N	86-34.97W	g	VANC02MV

End Sample Index VANC02MV