

**Report and Index of
Underway Marine Geophysical Data
Seaweed Expedition**

Leg 5

(SEAW05RR)

R/V Revelle

(Issued July 2001)

Ports:

Honolulu, Hawaii (15 April 2001)

to

Hilo, Hawaii (25 April 2001)

Chief Scientist: Alan Chave
Woods Hole Oceanographic Institution
alan@whoi.edu

Computer Tech – John Chatwood
Resident Marine 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 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 Shipboard Technical Support, Scripps Institution of Oceanography, La Jolla, California 92093-0223.*

STS Cruise ID# 296

**Report and Index of Navigation
and Underway Geophysical Data**

Processed by the Shipboard Technical Support Group
Scripps Institution of Oceanography

Contents:

Index Chart – gives track of cruise leg, dates, ports, and mileage of each type of data collected.

Track Charts– annotated with dates and hour ticks

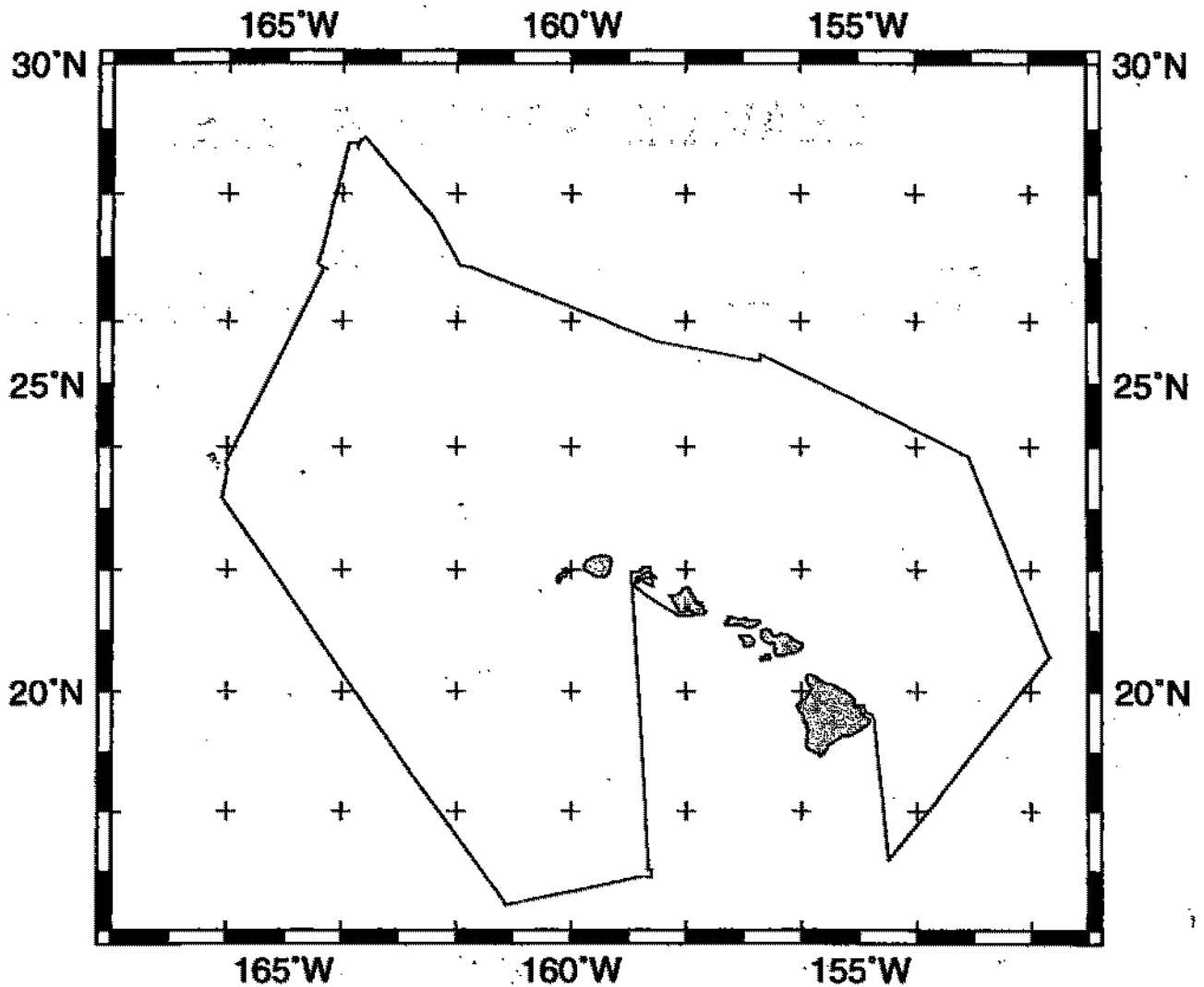
Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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 6/2001



SEAWEED EXPEDITION LEG 5 (SEAWO5RR)

CHIEF SCIENTIST: Alan Chave, Woods Hole

PORTS: Honolulu - Hilo, Hawaii

DATES: 14 - 26 April 2001

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-2869 miles

Magnetics-none collected

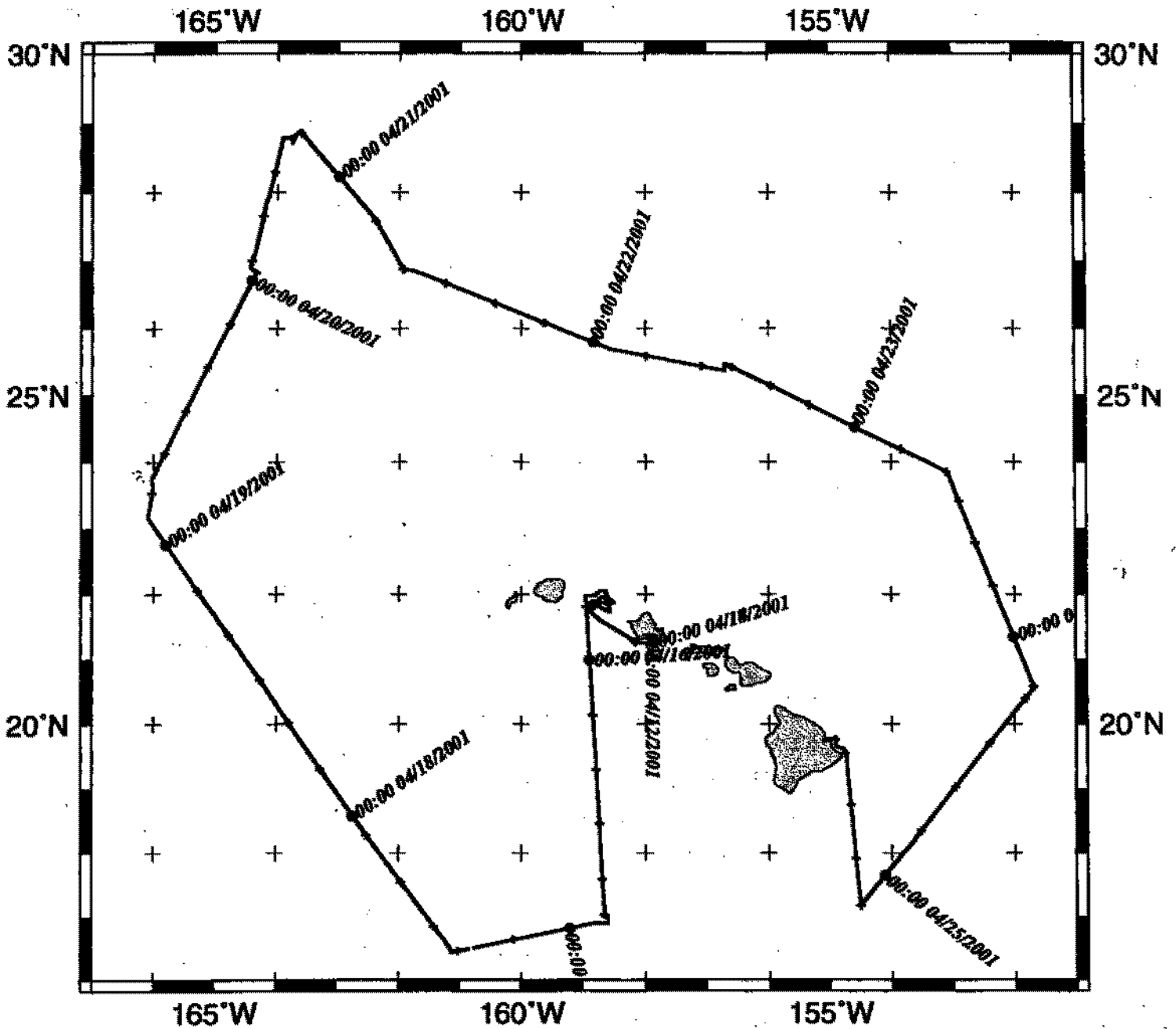
Bathymetry-2869 miles

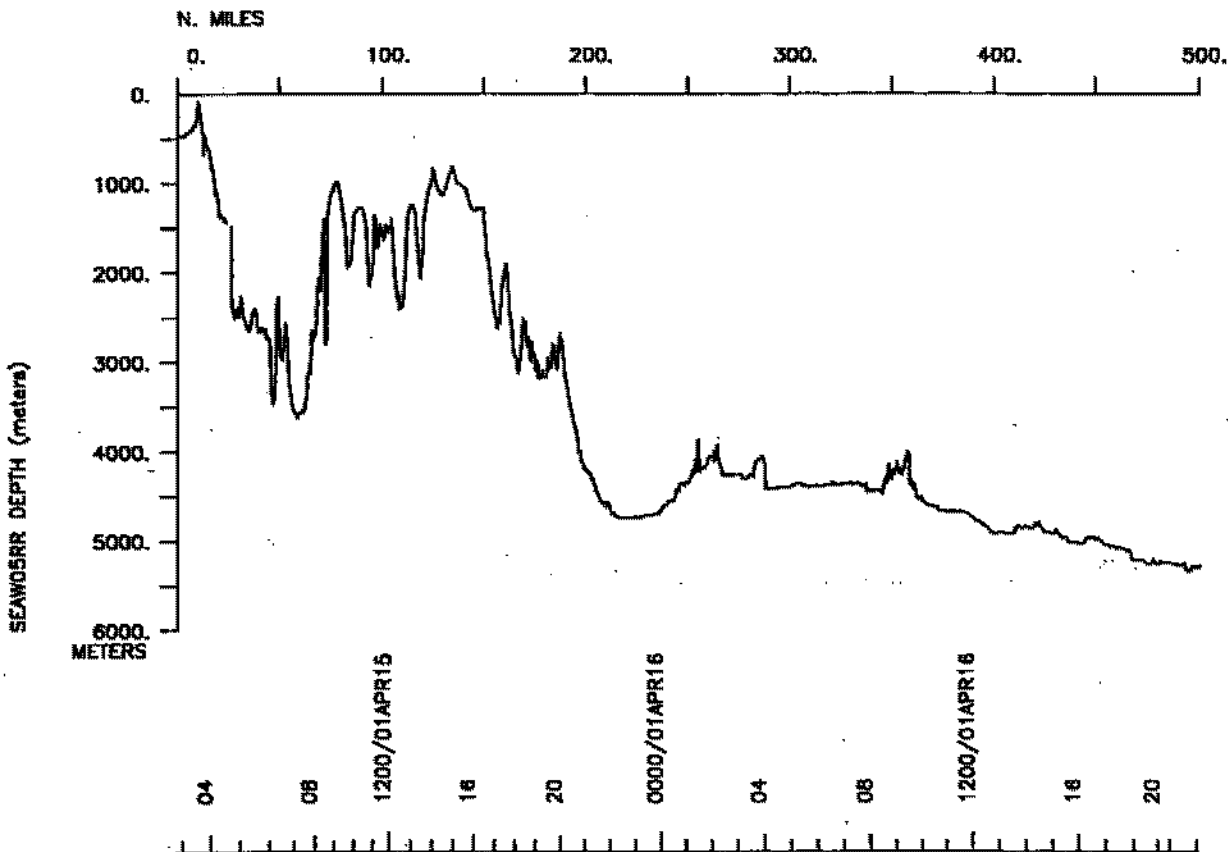
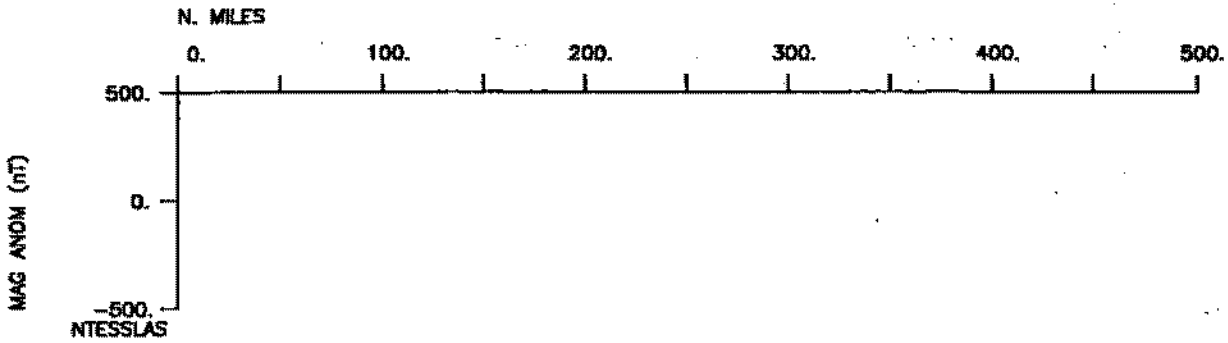
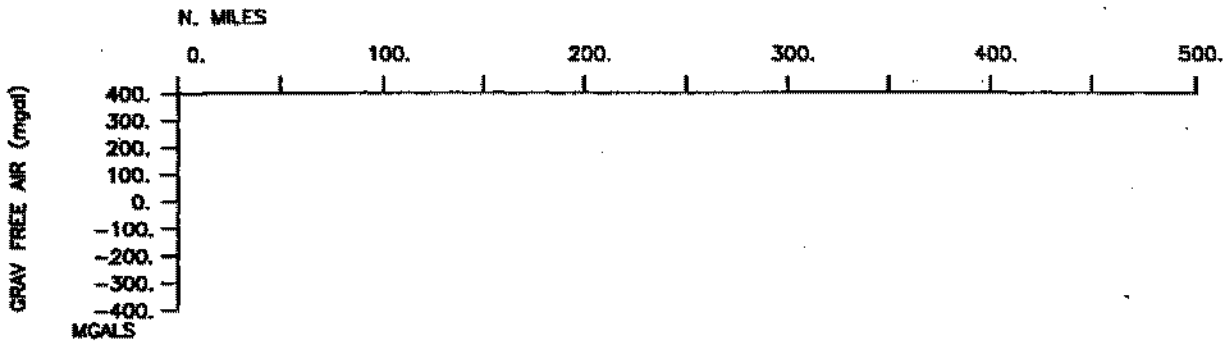
Seismic Reflection-none collected

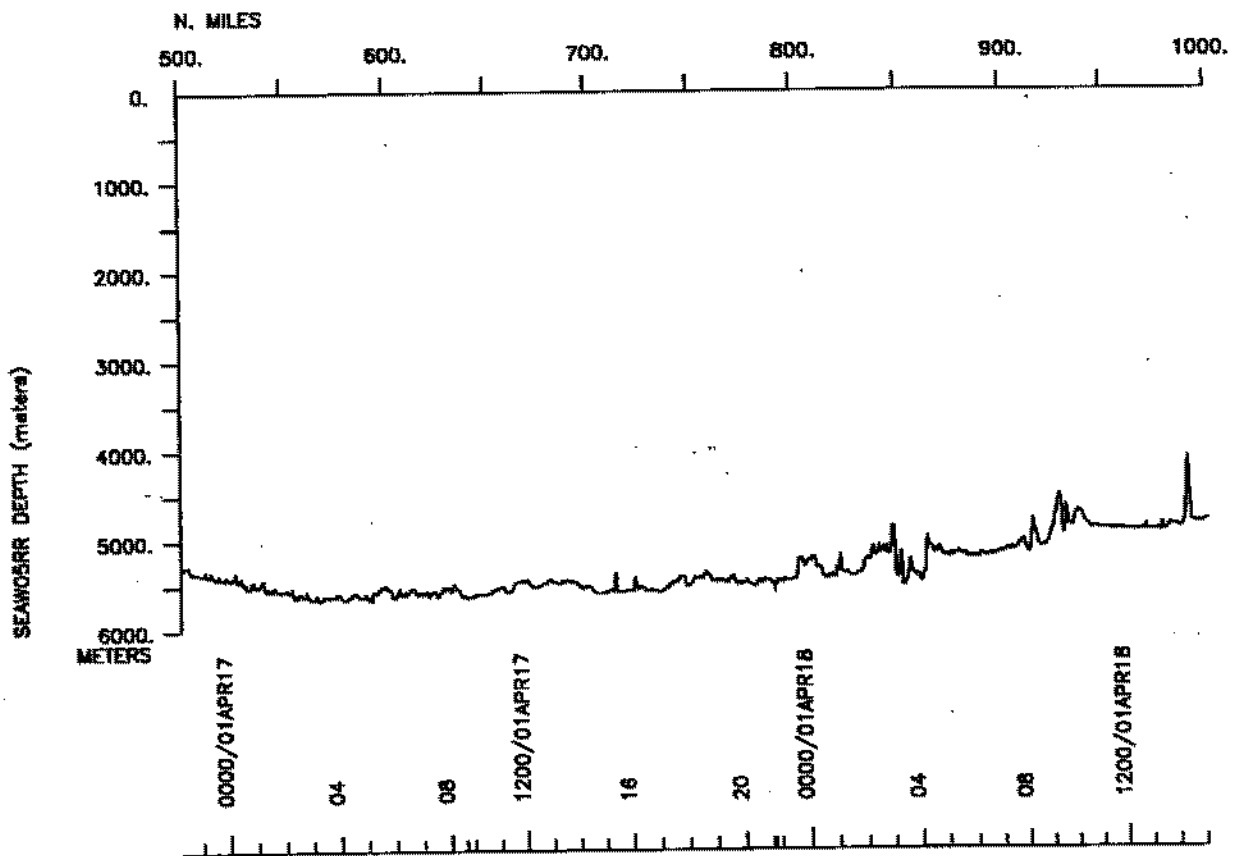
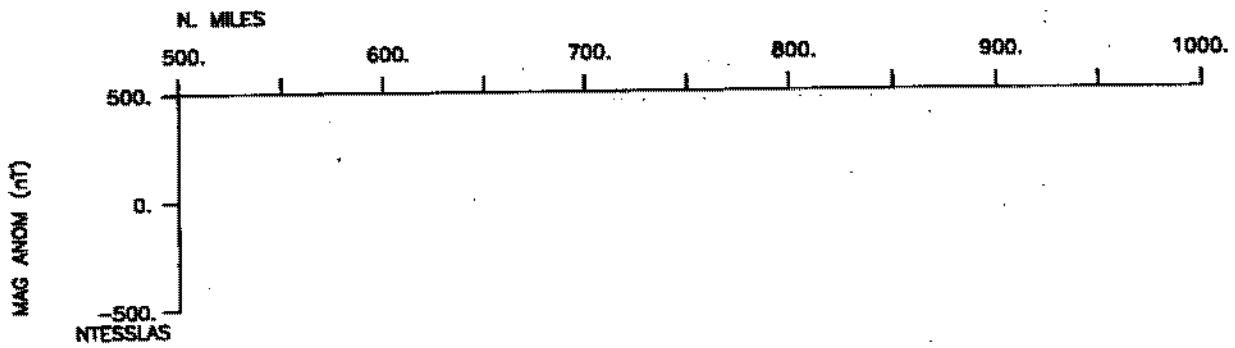
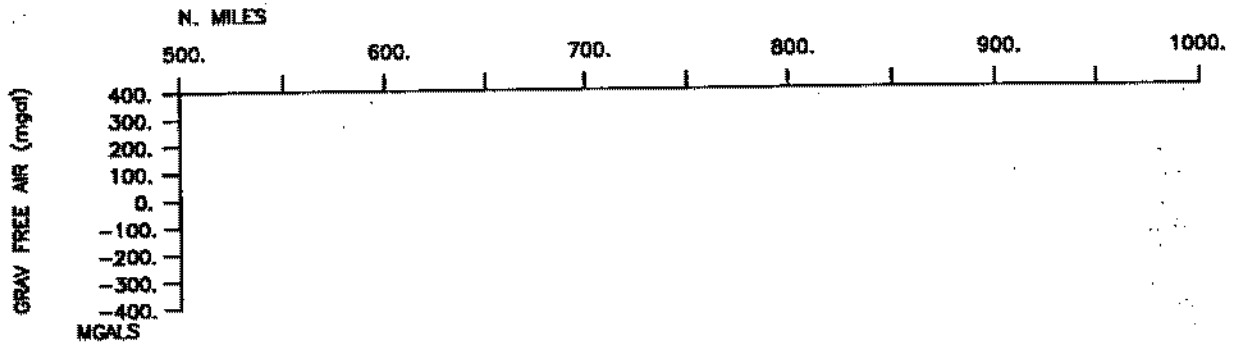
Multibeam-2869 miles

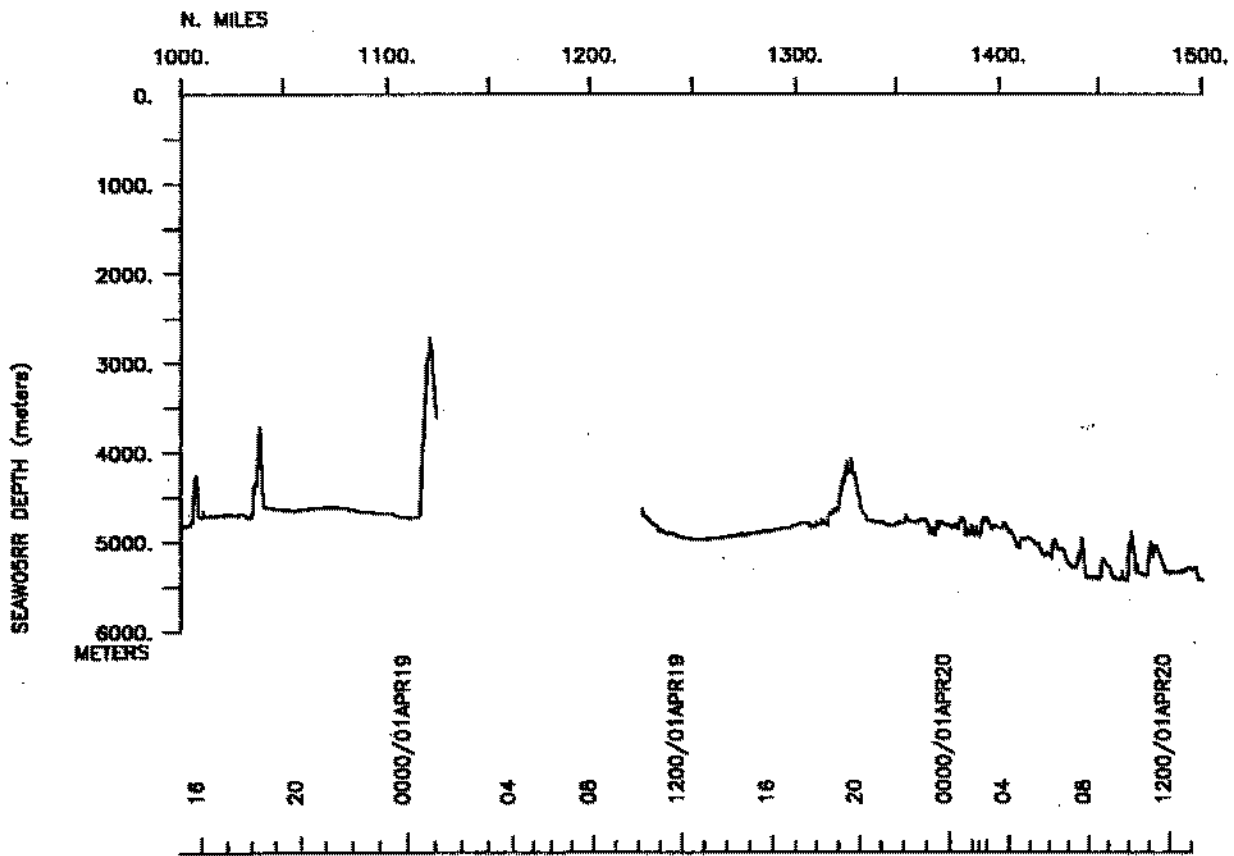
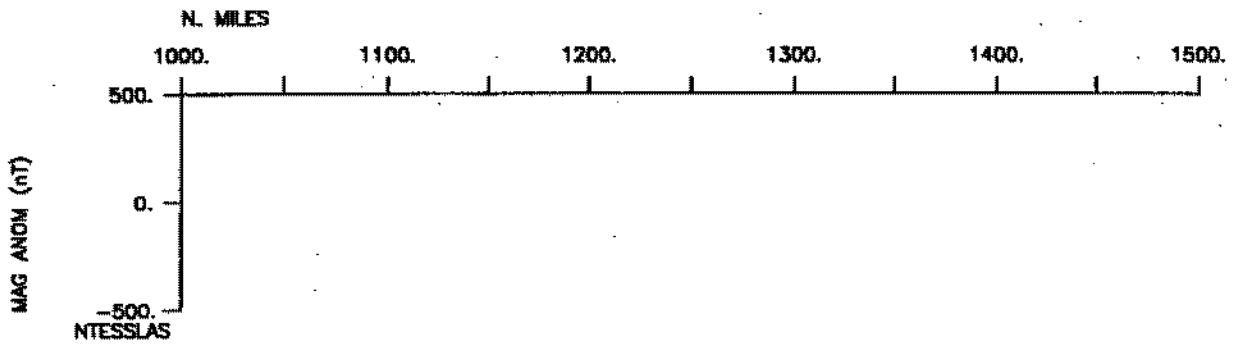
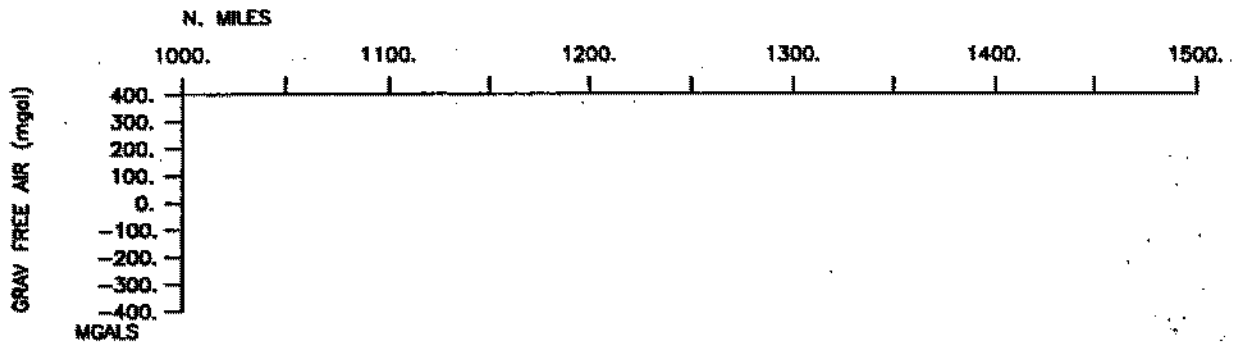
Gravity-none collected

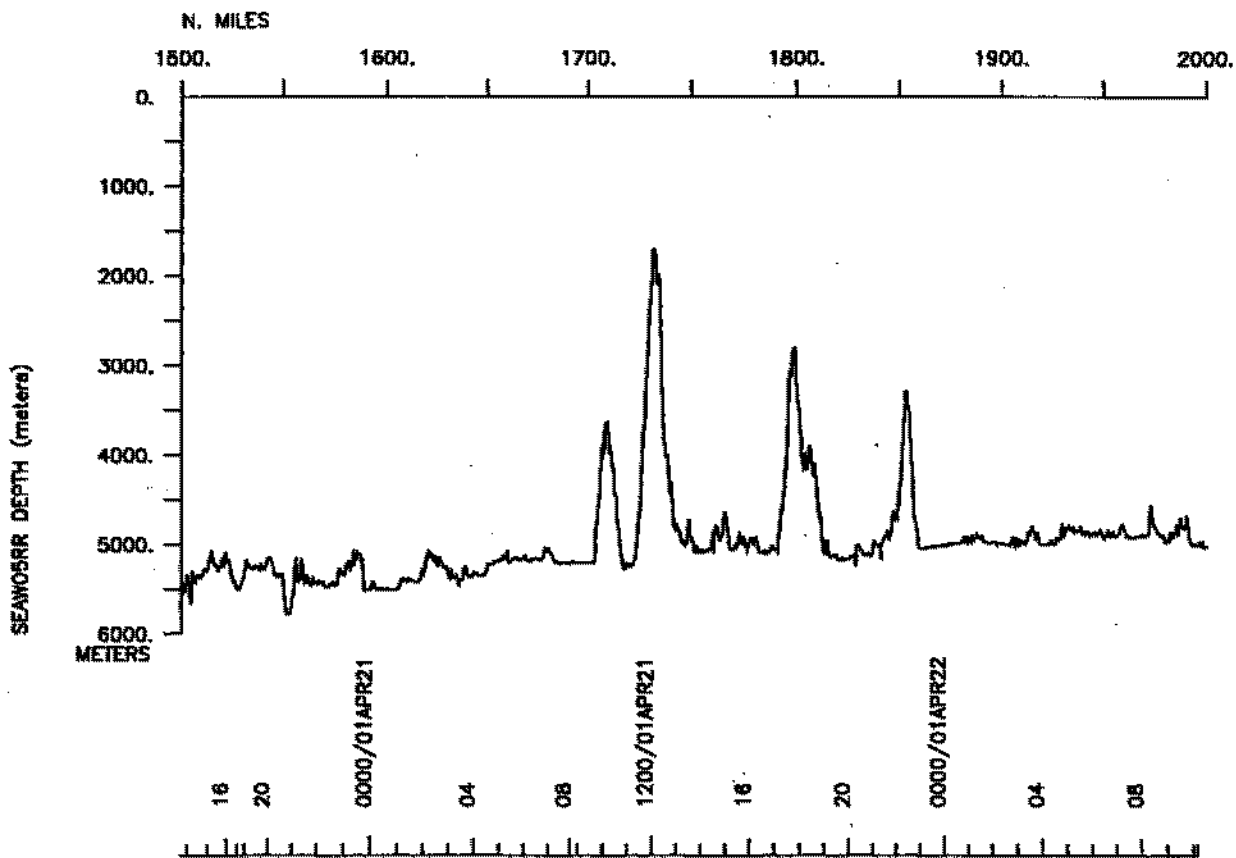
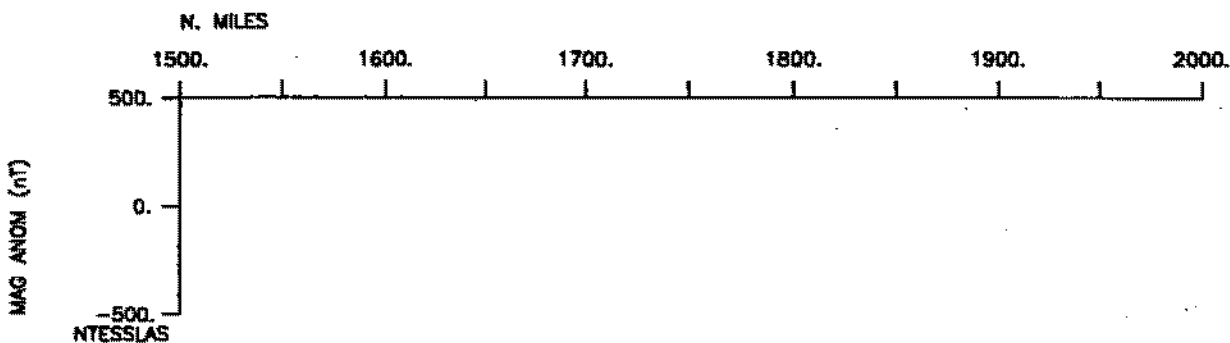
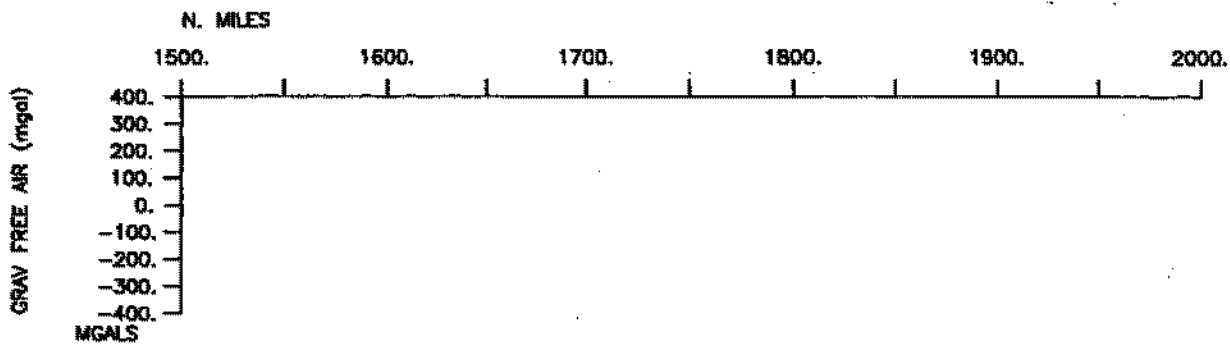
SEAWEED-RR leg 5 Track

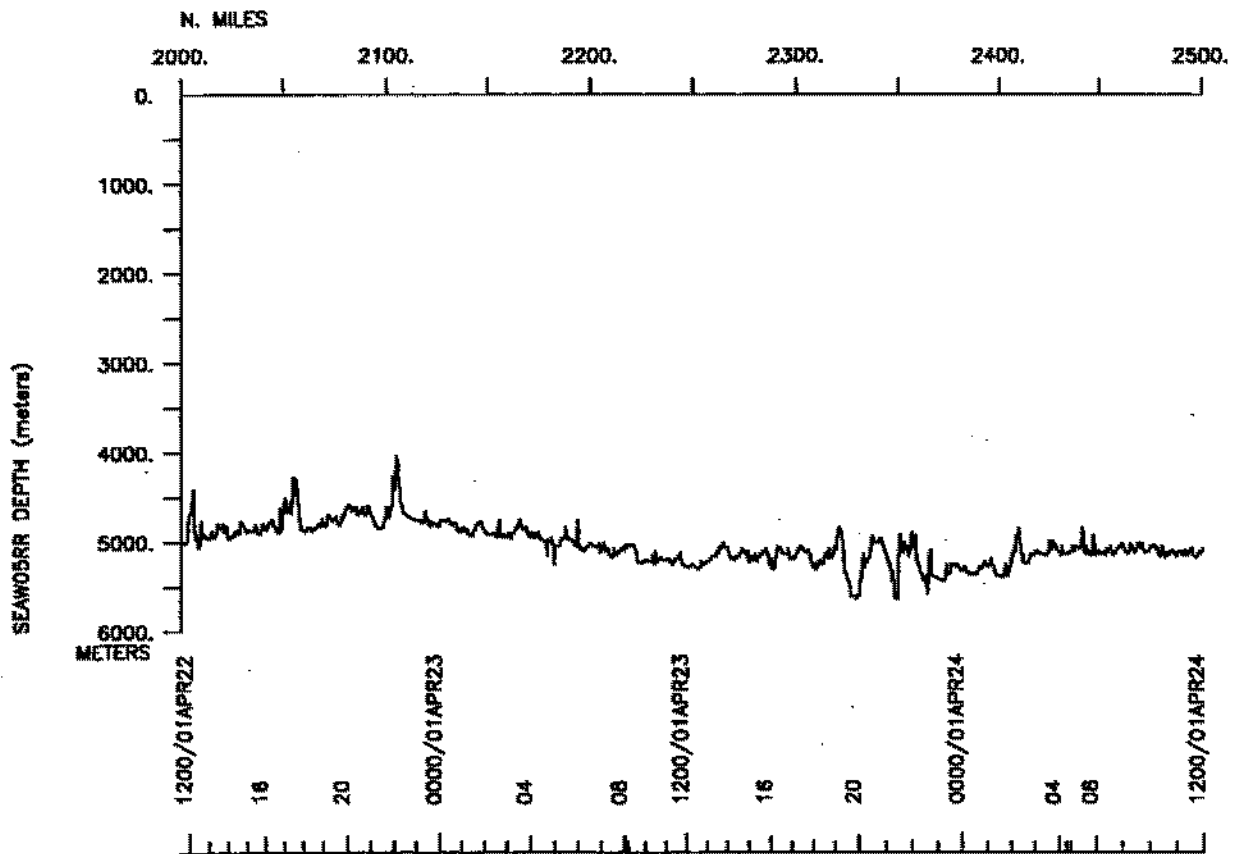
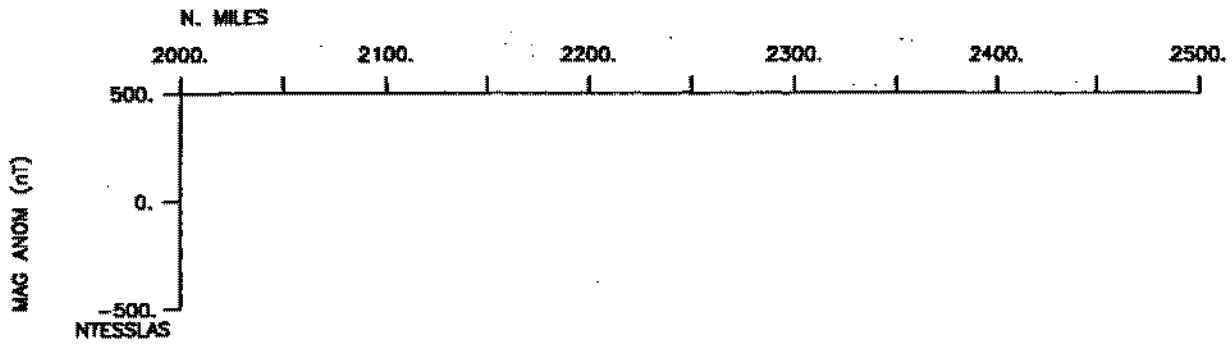
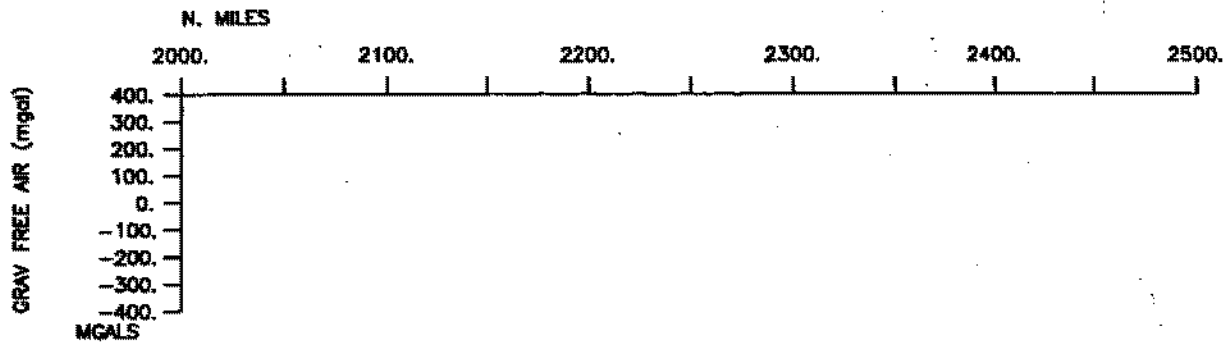


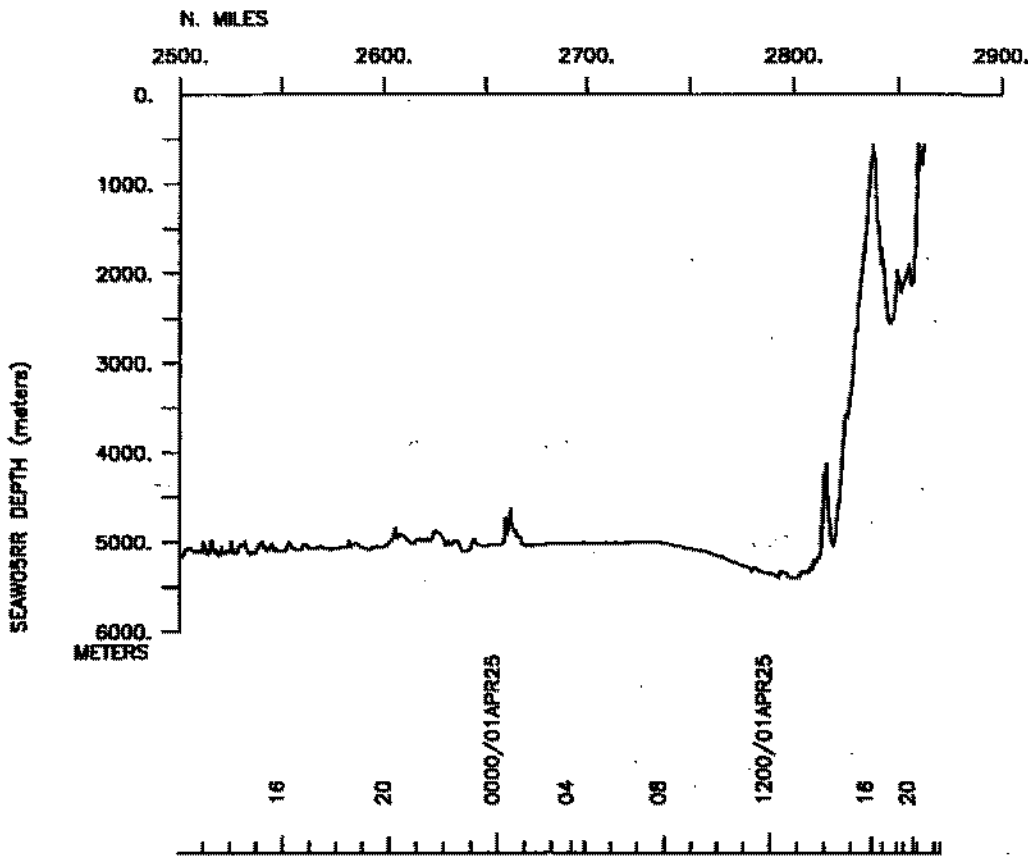
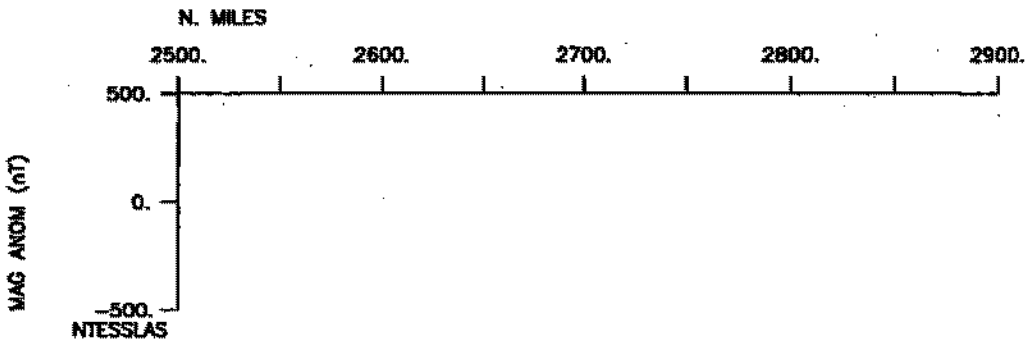
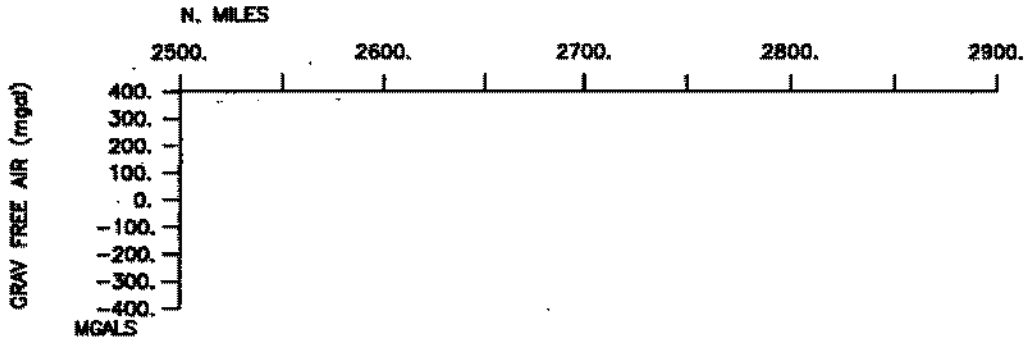












S.I.O. Sample Index

Seaweed Expedition

Leg 5

(SEAW05RR)

R/V Revelle

(Issued July 2001)

PORTS:

Honolulu, Hawaii (15 April 2001)

to

Hilo, Hawaii (25 April 2001)

Chief Scientist: Alan Chave
Woods Hole Oceanographic Institution

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 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.)

STS Cruise ID# 296

#*** Ports ***

1157	150401	LGPT B Honolulu, Hawaii	GDC	21-18.00N	157.52.09W	f	SEAW05RR
2232	250401	LGPT E Hilo, Hawaii	GDC	19-44.00N	155-04.00W	f	SEAW05RR

#*** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS	WHOI Chave, Dr. A.	Chief Scientist	Woods Hole	SEAW05RR
PESP	PORD Filloux, Dr. J.	Scientist	Scripps Institution	SEAW05RR
PERT	STS Comer, R. L.	Resident Tech.	Scripps Institution	SEAW05RR
PECT	STS Chatwood, J.	Computer Tech.	Scripps Institution	SEAW05RR
PESP	PORD Moeller, H.	Assoc. Dev. Eng.	Scripps Institution	SEAW05RR
PESP	WHOI Bailey, J.	Engineer	Woods Hole	SEAW05RR
PEVL	WHOI Chave, L.	Volunteer	Woods Hole	SEAW05RR
PEVL	WHOI Wooten, L.	Volunteer	Woods Hole	SEAW05RR

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

#*** Underway Data Curator - Geological Data Center ext. 41899 *

#*** Log Books ***

0157	150401	0	LBUW	B Underway Watch Log	GDC	21-14.93N	157-51.85W	g	SEAW05RR
2133	250401	0	LBUW	E Underway Watch Log	GDC	19-46.61N	155-00.88W	g	SEAW05RR

#*** Acoustic Doppler Current Profiler ***

0157	150401	0	ADCP	B Acoustic Doppler	GDC	21-14.93N	157-51.85W	g	SEAW05RR
2232	250401	0	ADCP	E Current Profiler	GDC	19-43.84N	155-03.37W	g	SEAW05RR

#*** Integrated Meteorological Acquisition System ***

0157	150401	0	IMET	B Weather Data	GDC	21-14.93N	157-51.85W	g	SEAW05RR
2232	250401	0	IMET	E Weather Data	GDC	19-43.84N	155-03.37W	g	SEAW05RR

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

0242	150401	0	MBSI	B SIMRAD Multibeam	GDC	21-14.93N	157-51.85W	g	SEAW05RR
2133	250401	0	MBSI	E Mapping System	GDC	19-46.61N	155-00.88W	g	SEAW05RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#										
*** Anchored Bottom Buoys ***										
1919	160401	0	BUAB	B PB S4	3875M	WHOI 17-01.50N	158-39.03W	g		SEAW05RR
2232	250401	0	BUAB	C PB S4	3875M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0851	170401	0	BUAB	B PB S1	5675M	WHOI 16-25.75N	161-08.25W	g		SEAW05RR
2232	250401	0	BUAB	C PB S1	5675M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
2120	170401	0	BUAB	B PB S2	3500M	WHOI 18-20.80N	162-34.76W	g		SEAW05RR
2232	250401	0	BUAB	C PB S2	3500M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0143	200401	0	BUAB	B PB N3	4946M	WHOI 26-49.32N	164-19.35W	g		SEAW05RR
2232	250401	0	BUAB	C PB N3	4946M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
1827	200401	0	BUAB	B PB N1	5539M	WHOI 28-41.54N	163-44.93W	g		SEAW05RR
2232	250401	0	BUAB	C PB N1	5539M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0802	210401	0	BUAB	B PB N2	5235M	WHOI 26-52.50N	161-56.70W	g		SEAW05RR
2232	250401	0	BUAB	C PB N2	5235M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
1013	220401	0	BUAB	B PB N5 #11	5012M	WHOI 25-23.97N	156-41.62W	g		SEAW05RR
2232	250401	0	BUAB	C PB N5 #11	5012M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0821	230401	0	BUAB	B PB N6 #39	5063M	WHOI 23-50.59N	153-04.91W	g		SEAW05RR
2232	250401	0	BUAB	C PB N6 #39	5063M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0638	240401	0	BUAB	B PB S6 #9	5150M	WHOI 20-34.60N	151-40.08W	g		SEAW05RR
2232	250401	0	BUAB	C PB S6 #9	5150M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0256	250401	0	BUAB	B PB S5 #5	5046M	WHOI 17-10.44N	154-29.89W	g		SEAW05RR
2232	250401	0	BUAB	C PB S5 #5	5046M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
2015	160401	0	BUAB	B HEF S4	5285M	WHOI 17-01.61N	158-39.03W	g		SEAW05RR
2232	250401	0	BUAB	C HEF S4	5285M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0925	170401	0	BUAB	B HEF S1	5675M	WHOI 16-25.75N	161-08.36W	g		SEAW05RR
2232	250401	0	BUAB	C HEF S1	5675M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
2218	170401	0	BUAB	B HEF S2 #18	3500M	WHOI 18-20.69N	162-34.76W	g		SEAW05RR
2232	250401	0	BUAB	C HEF S2 #18	3500M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0220	200401	0	BUAB	B HEF N3	4946M	WHOI 26-49.19N	164-19.32W	g		SEAW05RR
2232	250401	0	BUAB	C HEF N3	4946M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
1719	200401	0	BUAB	B HEF N1	5534M	WHOI 28-41.65N	163-44.93W	g		SEAW05RR
2232	250401	0	BUAB	C HEF N1	5534M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0832	210401	0	BUAB	B HEF N2	5235M	WHOI 26-52.50N	161-56.58W	g		SEAW05RR
2232	250401	0	BUAB	C HEF N2	5235M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
1045	220401	0	BUAB	B HEF N5 #7	5012M	WHOI 25-24.08N	156-41.62W	g		SEAW05RR
2232	250401	0	BUAB	C HEF N5 #7	5012M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0901	230401	0	BUAB	B HEF N6 #12	5063M	WHOI 23-50.59N	153-05.03W	g		SEAW05RR
2232	250401	0	BUAB	C HEF N6 #12	5063M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0517	240401	0	BUAB	B HEF S6 #10	5150M	WHOI 20-34.52N	151-40.16W	g		SEAW05RR
2232	250401	0	BUAB	C HEF S6 #10	5150M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR
0349	250401	0	BUAB	B HEF S5 #6	5046M	WHOI 17-10.49N	154-29.79W	g		SEAW05RR
2232	250401	0	BUAB	C HEF S5 #6	5046M	WHOI 19-44.00N	155-04.00W	g		SEAW05RR

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

*** Expendable Bathythermographs ***

0417	150401	0	BTXP	MK12	# 1	Fast_Deep	GDC	21-18.58N	158-13.73W	g SEAW05RR
0638	150401	0	BTXP	MK12	# 2	Fast_Deep	GDC	21-36.29N	158-43.98W	g SEAW05RR
1834	150401	0	BTXP	MK12	# 3	Fast_Deep	GDC	21-57.92N	158-50.27W	g SEAW05RR
0648	160401	0	BTXP	MK12	# 4	Fast_Deep	GDC	19-32.58N	158-48.11W	g SEAW05RR
1544	160401	0	BTXP	MK12	# 5	Fast_Deep	GDC	17-38.95N	158-41.33W	g SEAW05RR
0006	170401	0	BTXP	MK12	# 6	Fast_Deep	GDC	16-48.88N	159-13.66W	g SEAW05RR
2009	170401	0	BTXP	MK12	# 7	Fast_Deep	GDC	18-17.83N	162-32.47W	g SEAW05RR
1842	180401	0	BTXP	MK12	# 8	Fast_Deep	GDC	21-50.02N	165-06.69W	g SEAW05RR
1014	190401	0	BTXP	MK12	# 9	Fast_Deep	GDC	24-29.37N	165-37.62W	g SEAW05RR
0402	200401	0	BTXP	MK12	# 10	Fast_Deep	GDC	27-00.16N	164-24.39W	g SEAW05RR
1843	200401	0	BTXP	MK12	# 11	Fast_Deep	GDC	28-41.92N	163-44.92W	g SEAW05RR
0504	210401	0	BTXP	MK12	# 12	Fast_Deep	GDC	27-22.41N	162-15.56W	g SEAW05RR
0935	220401	0	BTXP	MK12	# 13	Fast_Deep	GDC	25-22.15N	156-43.60W	g SEAW05RR
0925	230401	0	BTXP	MK12	# 14	Fast_Deep	GDC	23-48.48N	153-04.16W	g SEAW05RR
0719	240401	0	BTXP	MK12	# 15	Fast_Deep	GDC	20-30.07N	151-43.73W	g SEAW05RR

End Sample Index SEAW05RR