

Report and Index of
Underway Marine Geophysical Data
Drift Expedition

Leg 15

(DRFT15RR)

R/V Revelle

(Issued July 2002)

Ports:

Honolulu, Hawaii (8 May 2002)
to
Honolulu, Hawaii (20 May 2002)

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

Computer Tech – Bill French
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 cruise leg and is intended primarily for informal
use within the institution. This document is not to be reproduced or
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Shipboard Technical Support, Scripps Institution of Oceanography,
La Jolla, California 92093-0223.*

STS Cruise ID# 297

**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

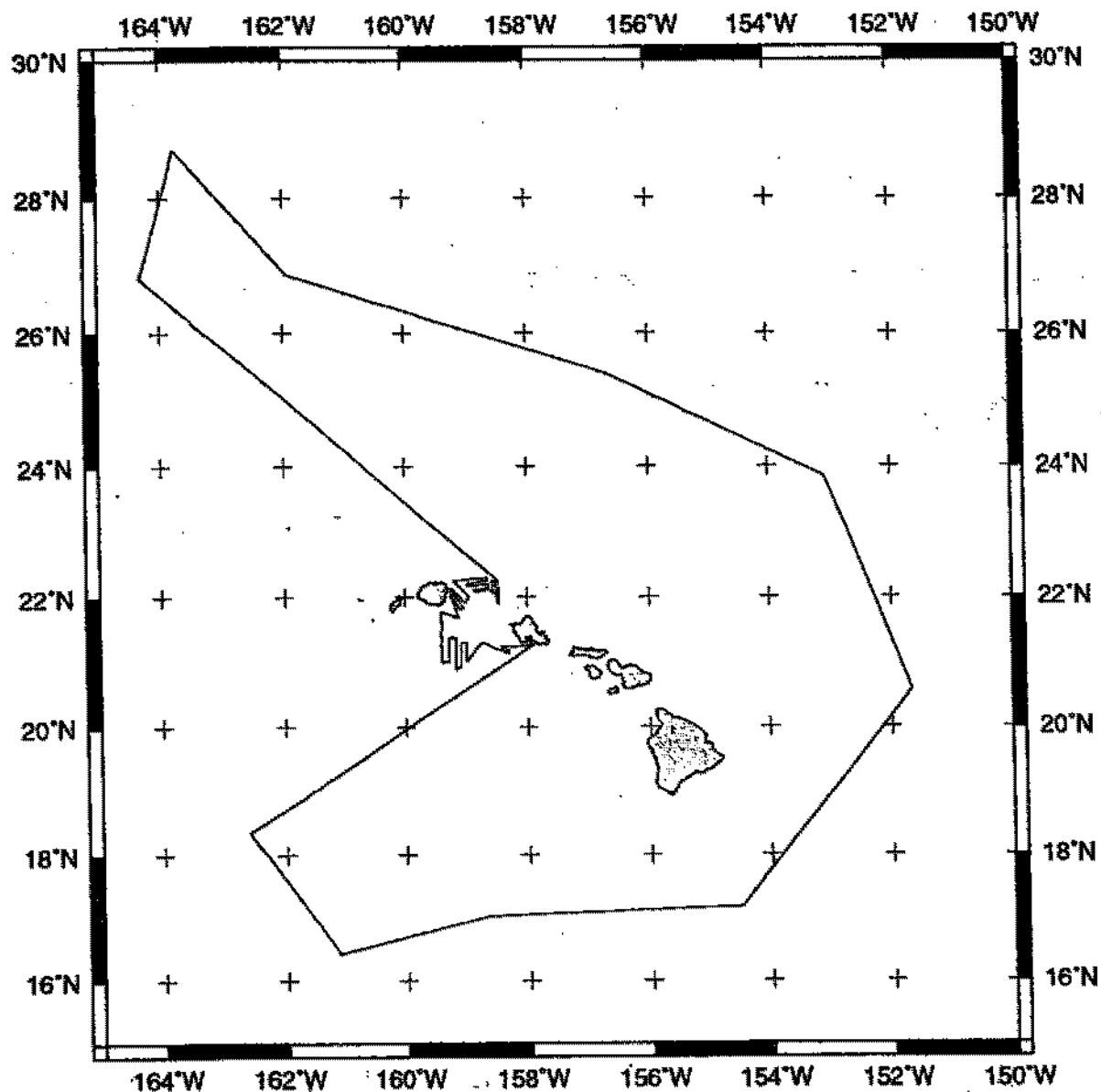
Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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



DRFTT EXPEDITION LEG 15 (DRFT15RR)

CHIEF SCIENTIST: Alan Chave, Woods Hole Oceanographic Institution

PORTS: Honolulu - Honolulu, Hawaii

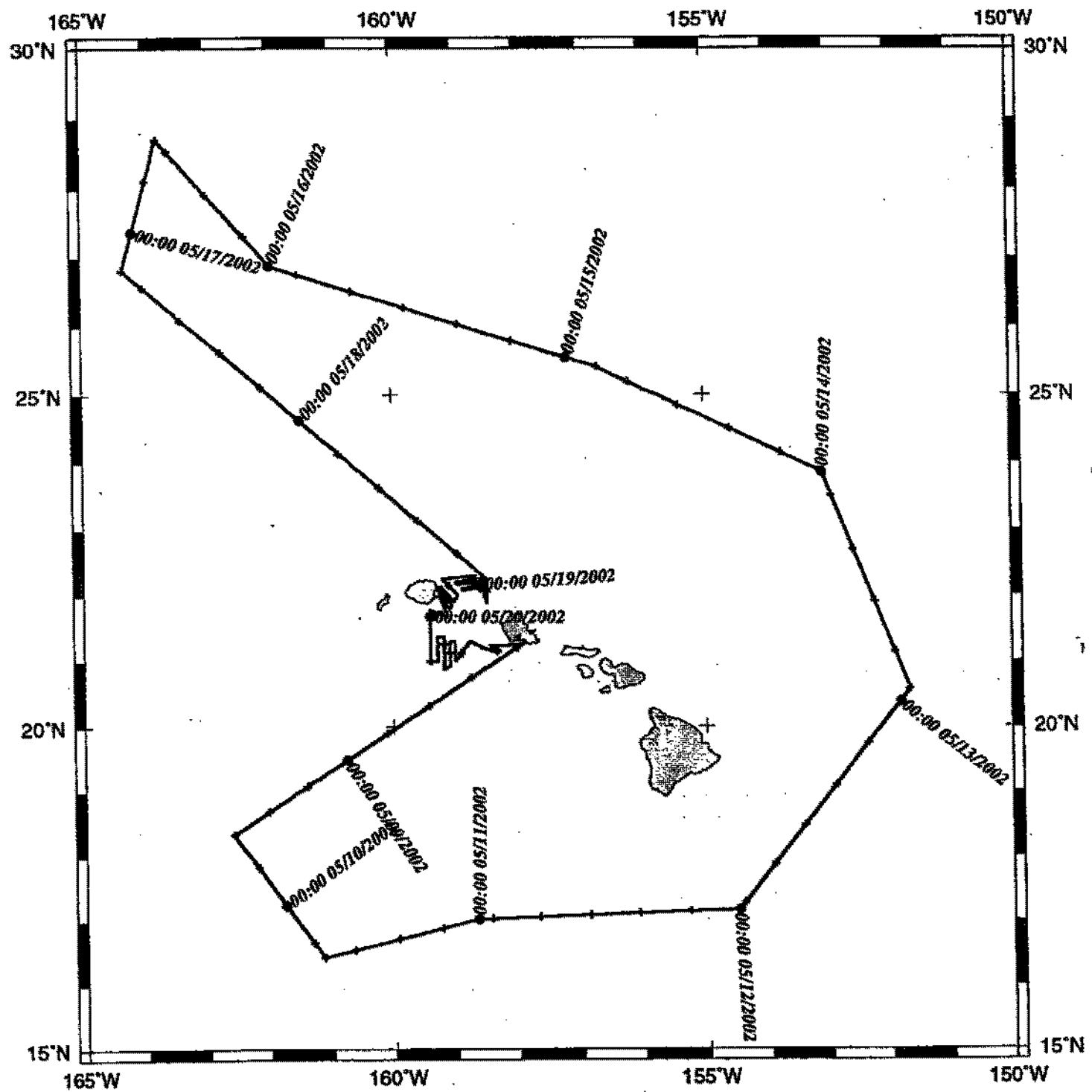
DATES: 07 - 21 May 2002

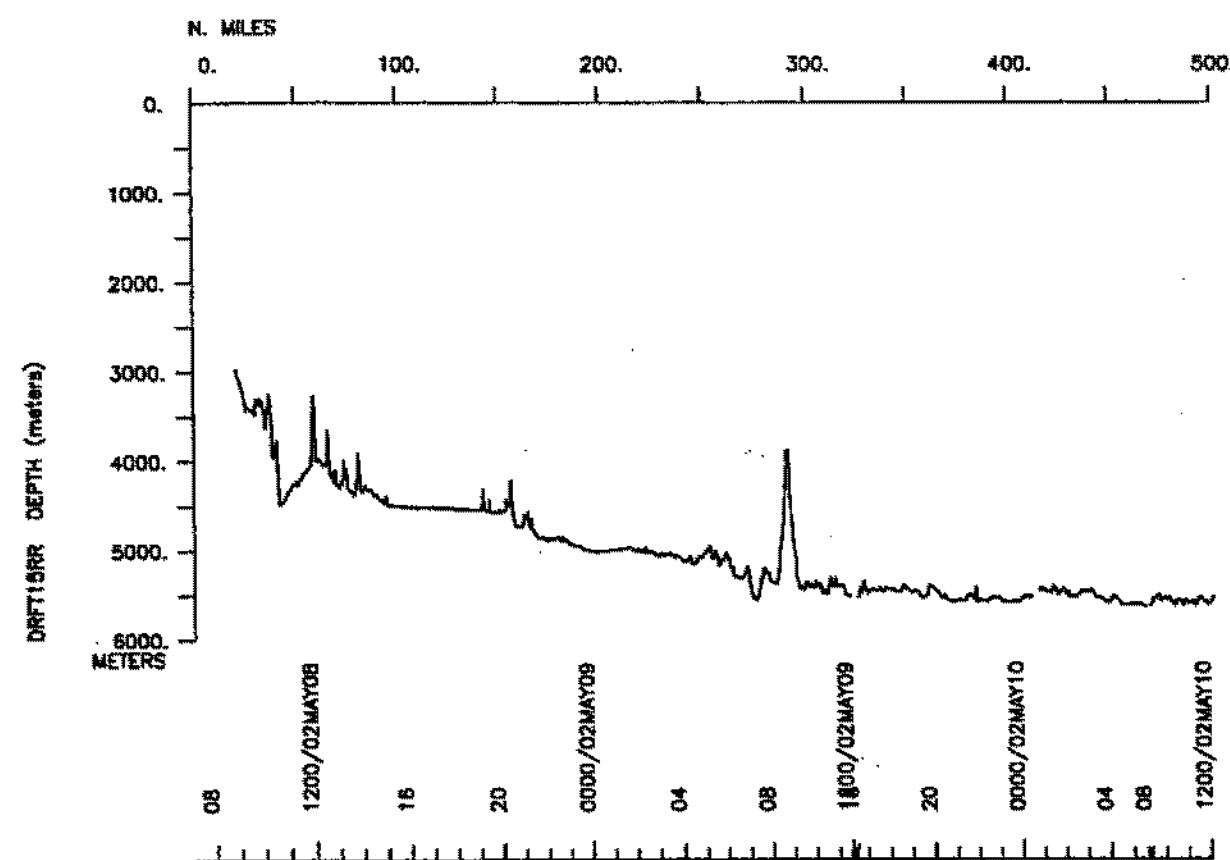
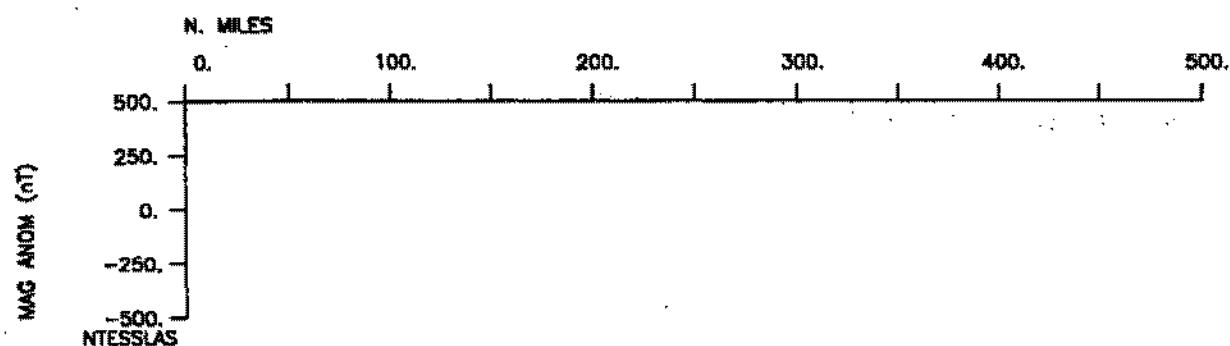
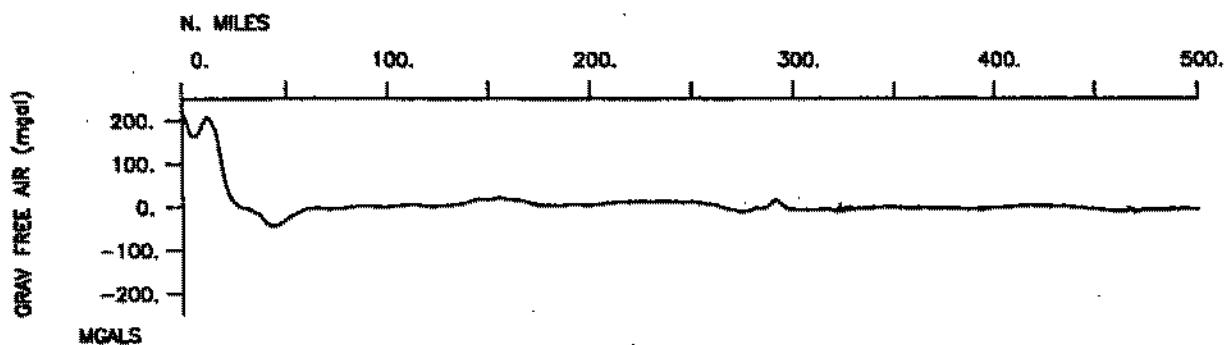
SHIP: R/V Revelle

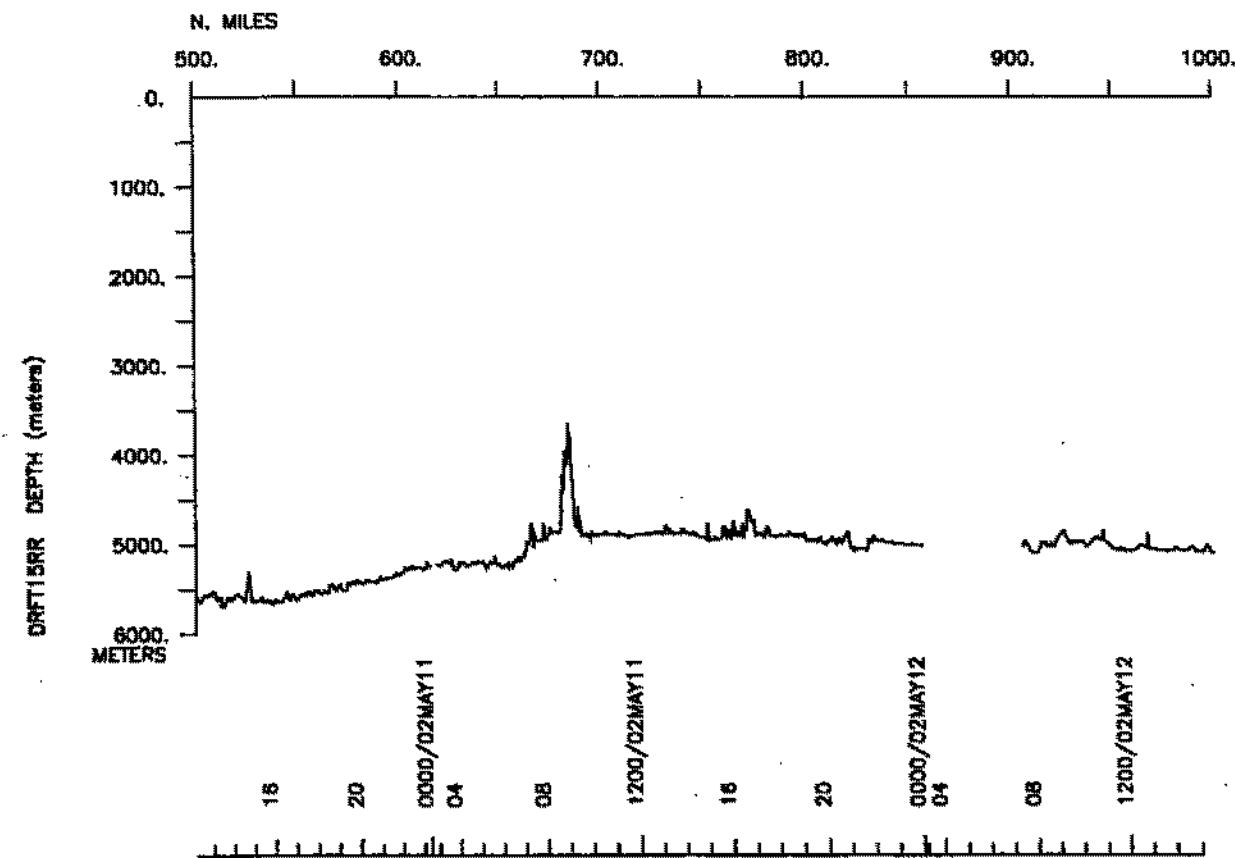
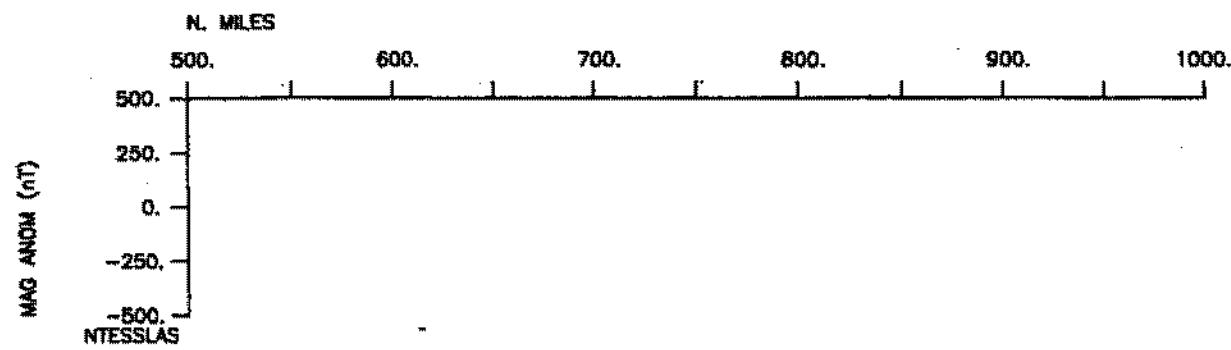
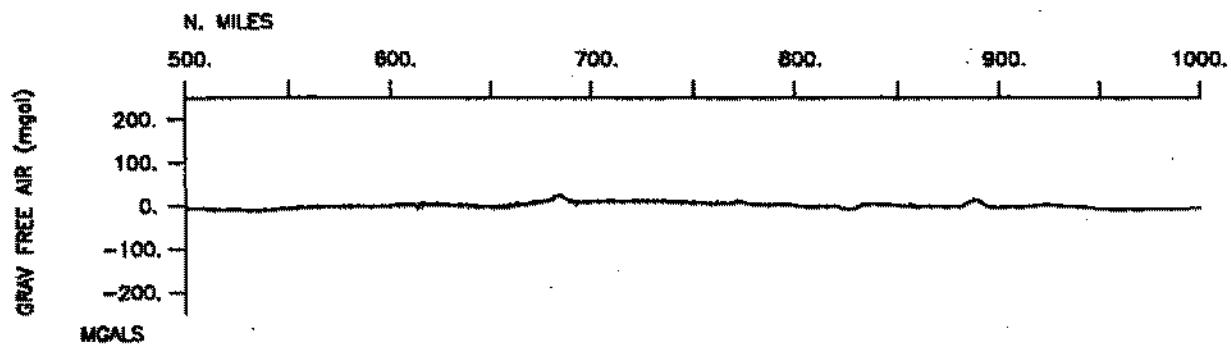
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

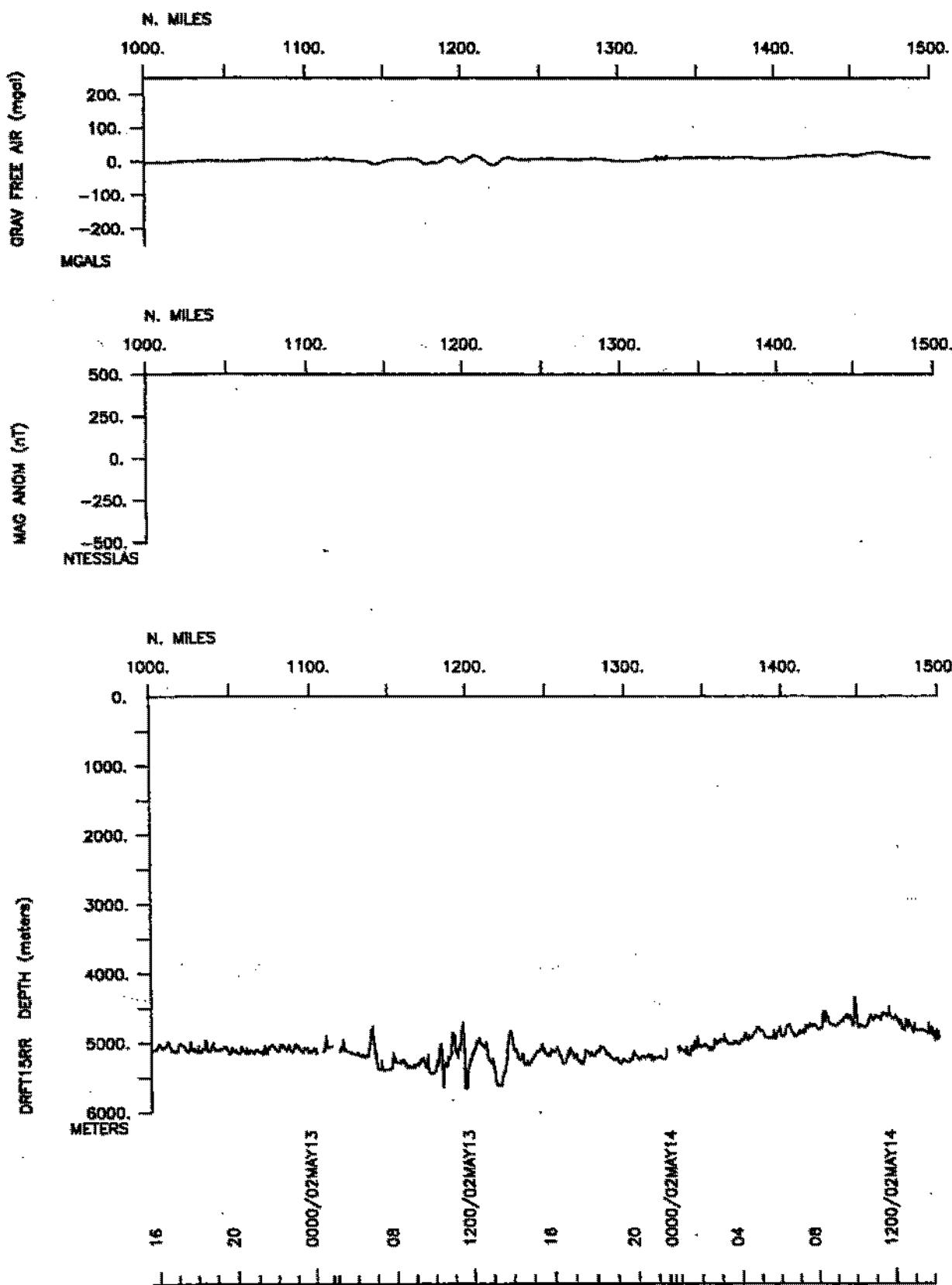
Cruise-3076 miles	Magnetics-none collected
Bathymetry-2923 miles	Seismic Reflection-none collected
Multibeam-2923 miles	Gravity-3076 miles

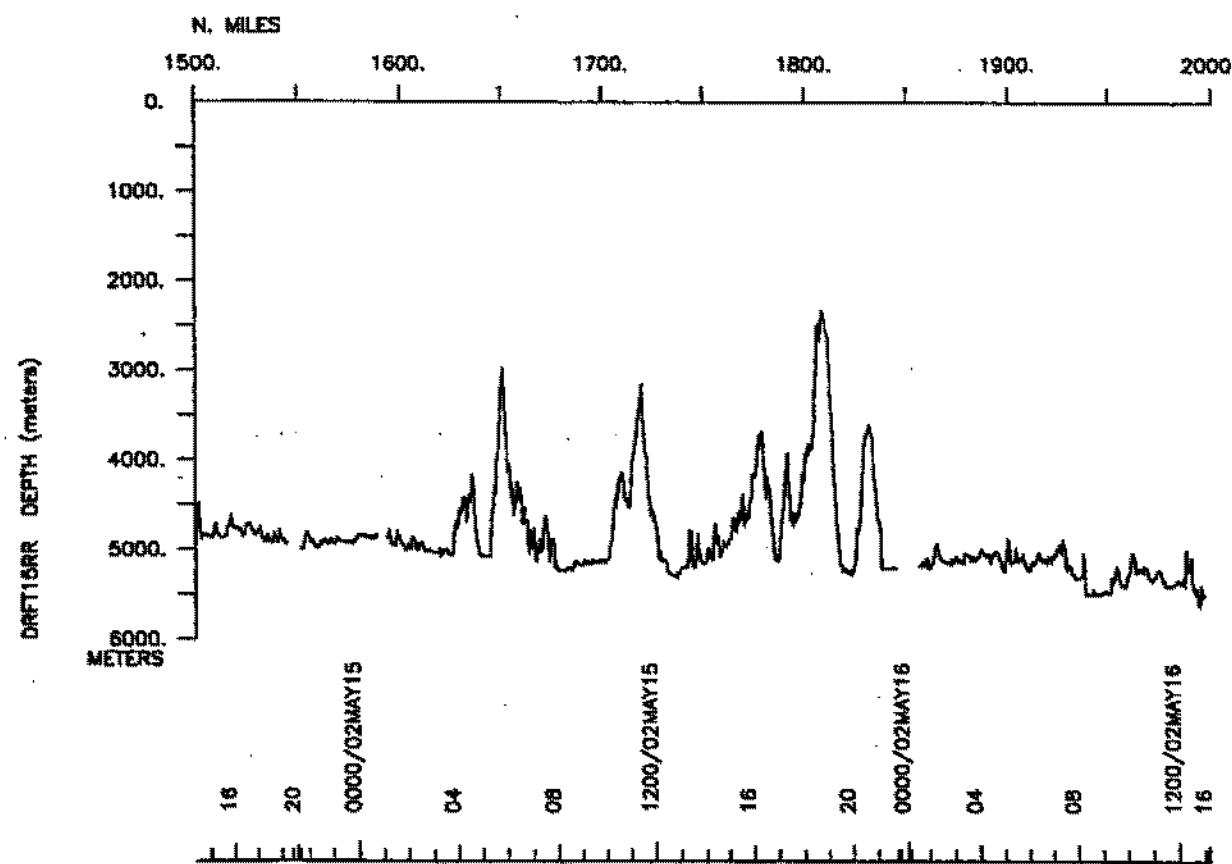
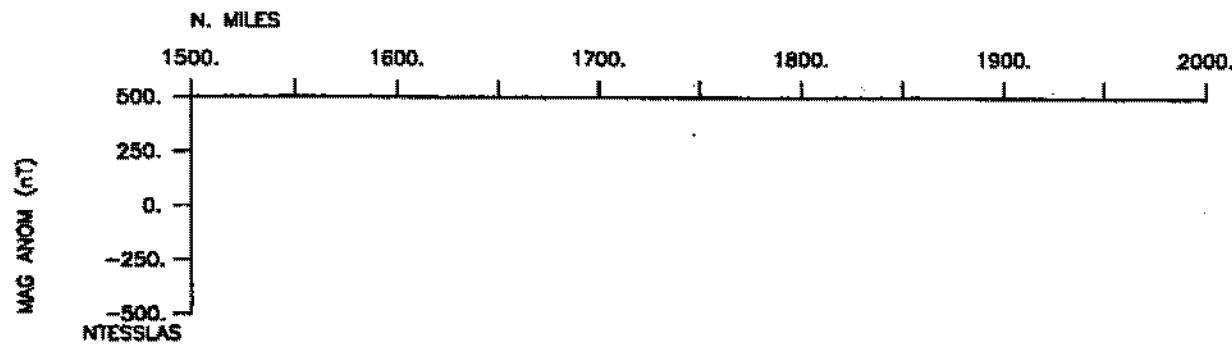
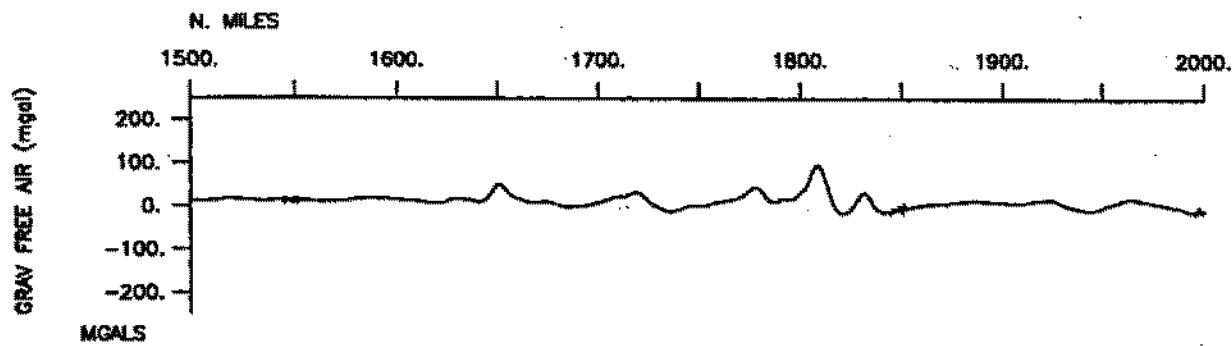
DRFT15RR

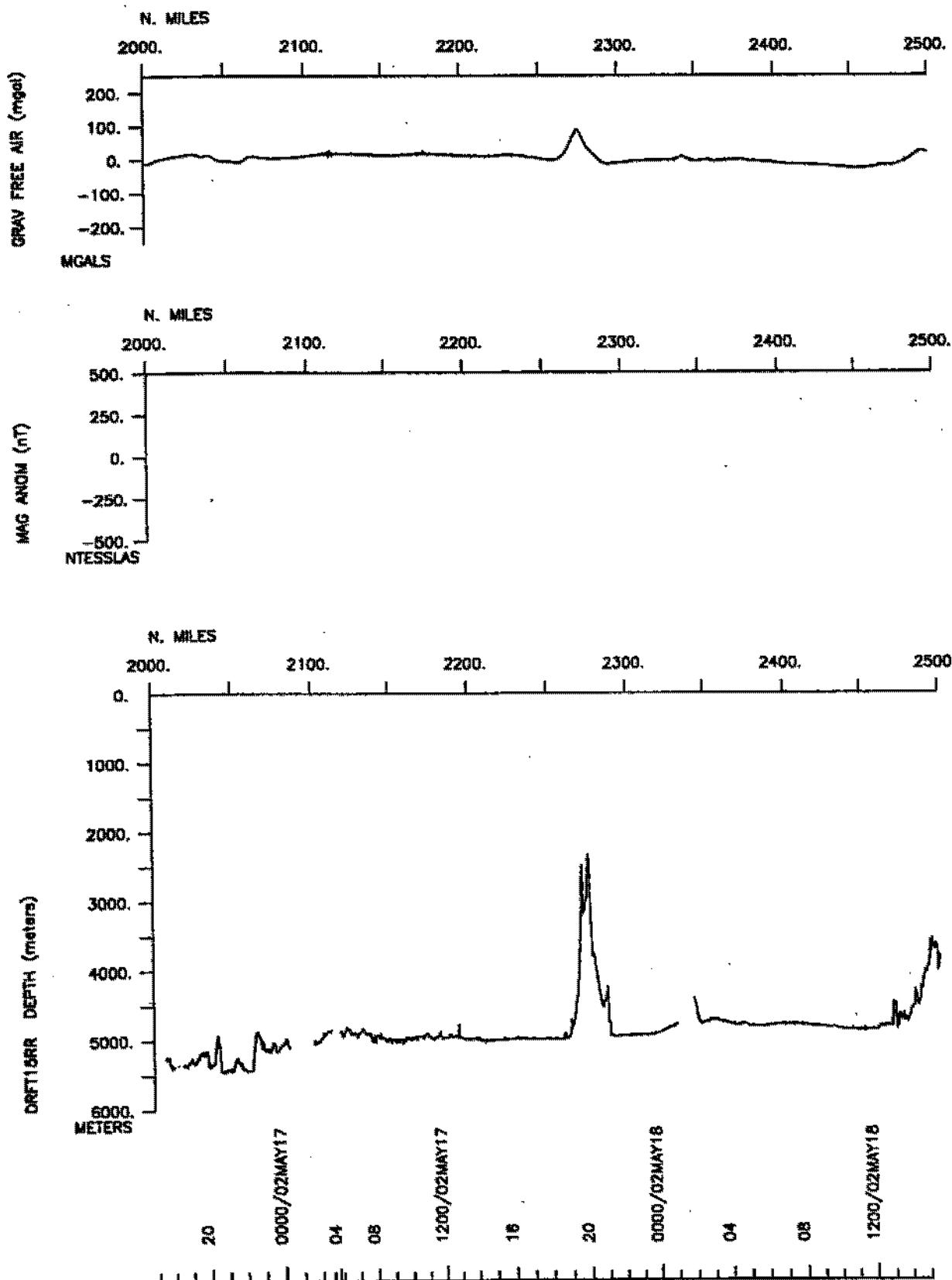


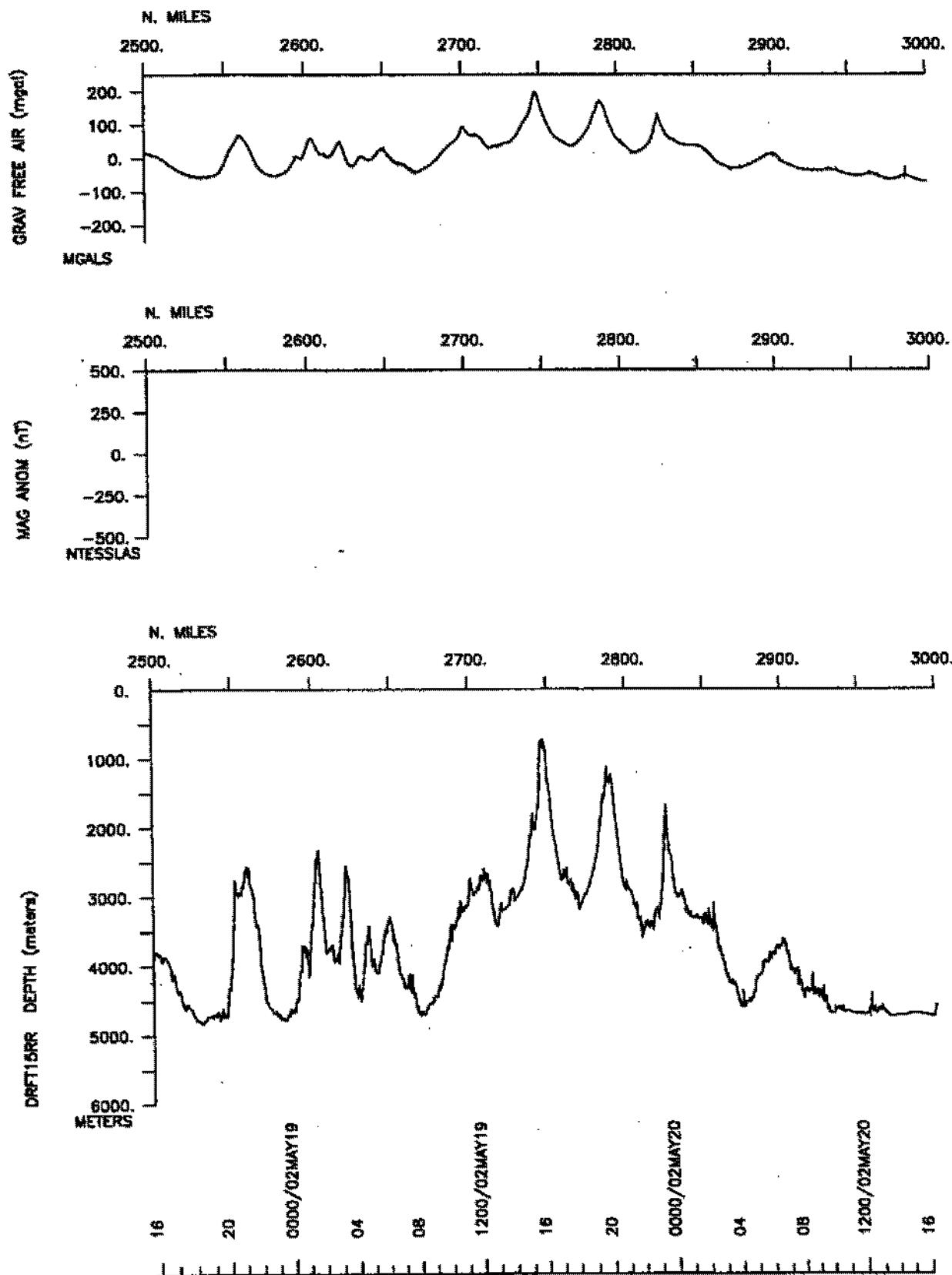


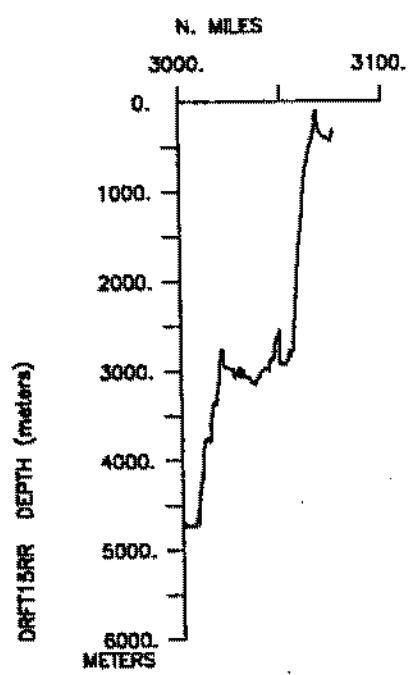
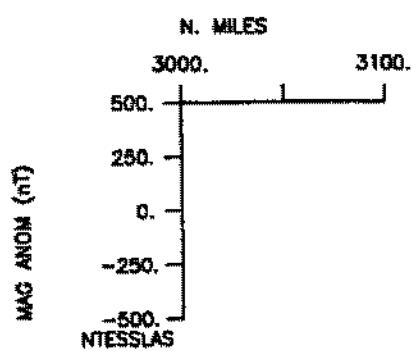
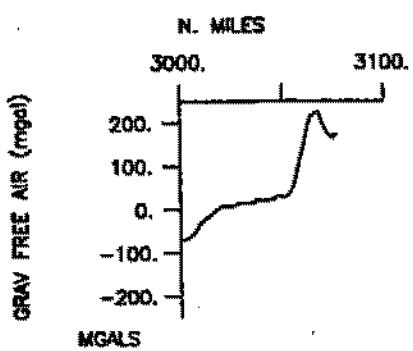












S.I.O. Sample Index

Drift Expedition

Leg 15

(DRFT15RR)

R/V Revelle

(Issued July 2002)

PORts:

Honolulu, Hawaii (8 May 2002)
to
Honolulu, Hawaii (20 May 2002)

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# 297

**** Ports ***

0642 080502	LGPT B Honolulu, Hawaii	21-18.00N 157-52.00W f DRFT15RR
0255 200502	LGSS E Honolulu, Hawaii	21-18.00N 157-52.00W f DRFT15RR

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS WHOI Chave,Dr.A.	Chief Scientist	Woods Hole	DRFT15RR	
PESP PORD Filloux,Dr.J.	Res. Ocean. Emer.	Scripps Institution	DRFT15RR	
PESP WHOI Garcia,Dr.X.	Res. Scientist	Woods Hole	DRFT15RR	
PERT STS Comer,R.L.	Resident Tech.	Scripps Institution	DRFT15RR	
PECT STS French,B.	Computer Tech.	Scripps Institution	DRFT15RR	
PESP WHOI Lezeata,Dr.P.	Res. Scientist	Woods Hole	DRFT15RR	
PESP PORD Moeller,H.	Assoc. Dev. Eng.	Scripps Institution	DRFT15RR	
PEVL WHOI Chave,L.	Volunteer	Woods Hole	DRFT15RR	
PEVL SIX Filloux,P.	Volunteer	NonScripps Employee	DRFT15RR	

**** 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 DDMMMYY	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 ***

0642 080502	0 LBSC B Science log book	WHO	21-18.64N 157-52.45W g DRFT15RR
1812 200502	0 LBSC E Science log book	WHO	21-14.14N 158-36.00W g DRFT15RR
1852 180502	0 LBUW B Underway watch log	STS	22-15.04N 158-29.07W g DRFT15RR
2049 190502	0 LBUW E Underway watch log	STS	21-51.51N 159-11.07W g DRFT15RR

**** MultiBeam Digital Data (SIMRAD) ***

0642 080502	0 MBSI B SIMRAD Multibeam	GDC	21-18.64N 157-52.45W g DRFT15RR
1812 200502	0 MBSI E SIMRAD Multibeam	GDC	21-14.14N 158-36.00W g DRFT15RR

**** Digital Gravity ***

0642 080502	0 GVDD B Digital Gravity	GDC	21-18.64N 157-52.45W g DRFT15RR
1812 200502	0 GVDD E Digital Gravity	GDC	21-14.14N 158-36.00W g DRFT15RR

**** Acoustic Doppler Current Profiler ***

0642 080502	0 ADCP B Current profiler	GDC	21-18.64N 157-52.45W g DRFT15RR
1812 200502	0 ADCP E Current Profiler	GDC	21-14.14N 158-36.00W g DRFT15RR

**** Integrated Meteorological Acquisition System ***

0642 080502	0 IMET B Weather measurements	GDC	21-18.64N 157-52.45W g DRFT15RR
1812 200502	0 IMET E Weather measurements	GDC	21-14.14N 158-36.00W g DRFT15RR

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

**** Anchored Bouys ***

**** Buoys recovered from SEAW05RR, April 2001 deployment ***

0642 080502	0 BUAB C Launch PB S2	3500M WHO	21-18.64N	157-52.45W	g DRFT15RR
1515 090502	0 BUAB E Recover	WHO	18-20.70N	162-35.26W	g DRFT15RR
0642 080502	0 BUAB C Launch PB S1	5675M WHO	21-18.64N	157-52.45W	g DRFT15RR
0814 100502	0 BUAB E Recover	WHO	16-25.85N	161-08.59W	g DRFT15RR
0642 080502	0 BUAB C Launch PB S4	3875M WHO	21-18.64N	157-52.45W	g DRFT15RR
0144 110502	0 BUAB E Recover	WHO	17-01.49N	158-39.28W	g DRFT15RR
0642 080502	0 BUAB C Launch PB S5	5046M WHO	21-18.64N	157-52.45W	g DRFT15RR
0300 120502	0 BUAB E Recover	WHO	17-10.37N	154-30.07W	g DRFT15RR
0642 080502	0 BUAB C Launch PB S6	5150M WHO	21-18.64N	157-52.45W	g DRFT15RR
0306 130502	0 BUAB E Recover	WHO	20-34.57N	151-40.17W	g DRFT15RR
0642 080502	0 BUAB C Launch PB N6	5063 WHO	21-18.64N	157-52.45W	g DRFT15RR
2354 130502	0 BUAB E Recover	WHO	23-50.66N	153-05.22W	g DRFT15RR
0642 080502	0 BUAB C Launch PB N5	5012 WHO	21-18.64N	157-52.45W	g DRFT15RR
2044 140502	0 BUAB E Recover	WHO	25-24.06N	156-41.31W	g DRFT15RR
0642 080502	0 BUAB C Launch PB N2	5235M WHO	21-18.64N	157-52.45W	g DRFT15RR
0012 160502	0 BUAB E Recover	WHO	26-52.60N	161-56.83W	g DRFT15RR
0642 080502	0 BUAB C Launch PB N1	5539 WHO	21-18.64N	157-52.45W	g DRFT15RR
1550 160502	0 BUAB E Recover	WHO	28-42.07N	163-45.32W	g DRFT15RR
0642 080502	0 BUAB C Launch PB N3	4946 WHO	21-18.64N	157-52.45W	g DRFT15RR
0436 170502	0 BUAB E Recover	WHO	26-49.32N	164-19.59W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF ES2	3500M WHO	21-18.64N	157-52.45W	g DRFT15RR
1604 170502	0 BUAB E Recover	WHO	25-36.44N	162-44.78W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF ES1	5675M WHO	21-18.64N	157-52.45W	g DRFT15RR
0851 100502	0 BUAB E Recover	WHO	16-25.92N	161-08.63W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF ES4	5285M WHO	21-18.64N	157-52.45W	g DRFT15RR
0230 110502	0 BUAB E Recover	WHO	17-01.58N	158-39.26W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF ES5	5046M WHO	21-18.64N	157-52.45W	g DRFT15RR
0215 120502	0 BUAB E Recover	WHO	17-10.31N	154-30.03W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF ES6	5150M WHO	21-18.64N	157-52.45W	g DRFT15RR
0600 130502	0 BUAB X Recover	WHO	20-45.06N	151-44.67W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF N6	5036M WHO	21-18.64N	157-52.45W	g DRFT15RR
0033 140502	0 BUAB E Recover	WHO	23-50.51N	153-05.25W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF N5	5012M WHO	21-18.64N	157-52.45W	g DRFT15RR
2044 140502	0 BUAB E Recover	WHO	25-24.06N	156-41.31W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF N2	5235M WHO	21-18.64N	157-52.45W	g DRFT15RR
0012 160502	0 BUAB E Recover	WHO	26-52.60N	161-56.83W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF N1	5534M WHO	21-18.64N	157-52.45W	g DRFT15RR
1620 160502	0 BUAB E Recover	WHO	28-42.02N	163-45.19W	g DRFT15RR
0642 080502	0 BUAB C Launch HEF N3	4946M WHO	21-18.64N	157-52.45W	g DRFT15RR
0534 170502	0 BUAB E Recover	WHO	26-49.10N	164-19.27W	g DRFT15RR

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

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

0230	160502	0	TDCT	B Pogo Casts	MPL	27-04.27N	162-08.33W	g	DRFT15RR
1500	160502	0	TDCT	E Pogo Casts	MPL	28-41.98N	163-45.18W	g	DRFT15RR
0548	170502	0	TDCT	B Pogo Casts	MPL	26-49.18N	164-19.23W	g	DRFT15RR
1524	170502	0	TDCT	E Pogo Casts	MPL	25-41.56N	162-51.31W	g	DRFT15RR
0748	180502	0	TDCT	B Pogo Casts	MPL	23-38.36N	160-14.21W	g	DRFT15RR
1110	180502	0	TDCT	E Pogo Casts	MPL	23-13.27N	159-43.06W	g	DRFT15RR
1156	180502	0	TDCT	B Pogo Casts	MPL	23-07.88N	159-35.82W	g	DRFT15RR
1609	180502	0	TDCT	E Pogo Casts-3 samples	MPL	22-36.28N	158-55.74W	g	DRFT15RR

**** Expendable Bathythermographs ***

2121	080502	0	BTXP	MK12	#	1	Fast_Deep	GDC	19-45.66N	160-19.35W	g	DRFT15RR
0910	100502	0	BTXP	MK12	#	2	Fast_Deep	GDC	16-25.93N	161-08.61W	g	DRFT15RR
1958	120502	0	BTXP	MK12	#	3	Fast_Deep	GDC	19-44.42N	152-22.23W	g	DRFT15RR
1643	130502	0	BTXP	MK12	#	4	Fast_Deep	GDC	22-49.94N	152-38.47W	g	DRFT15RR
2312	140502	0	BTXP	MK12	#	5	Fast_Deep	GDC	25-29.59N	157-00.99W	g	DRFT15RR
1859	160502	0	BTXP	MK12	#	6	Fast_Deep	GDC	28-17.77N	163-52.37W	g	DRFT15RR
2053	170502	0	BTXP	MK12	#	7	Fast_Deep	GDC	24-59.48N	161-57.51W	g	DRFT15RR
1847	180502	0	BTXP	MK12	#	8	Fast_Deep	GDC	22-15.71N	158-29.88W	g	DRFT15RR
1927	180502	0	BTXP	MK12	#	9	Fast_Deep	GDC	22-08.93N	158-28.81W	g	DRFT15RR
1717	190502	0	BTXP	MK12	#	10	Fast_Deep	GDC	21-54.88N	159-06.08W	g	DRFT15RR

#

End Sample Index

DRFT15RR