

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

Drift Expedition

Leg 12

(DRFT12RR)

R/V Revelle

(Issued July 2002)

Ports:

Hilo, Hawaii (18 March 2002)

to

Hilo, Hawaii (29 March 2002)

Chief Scientist: Woody Sutherland
Scripps Institution of Oceanography
wosutherland@ucsd.edu

Computer Tech – Bill French

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# 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

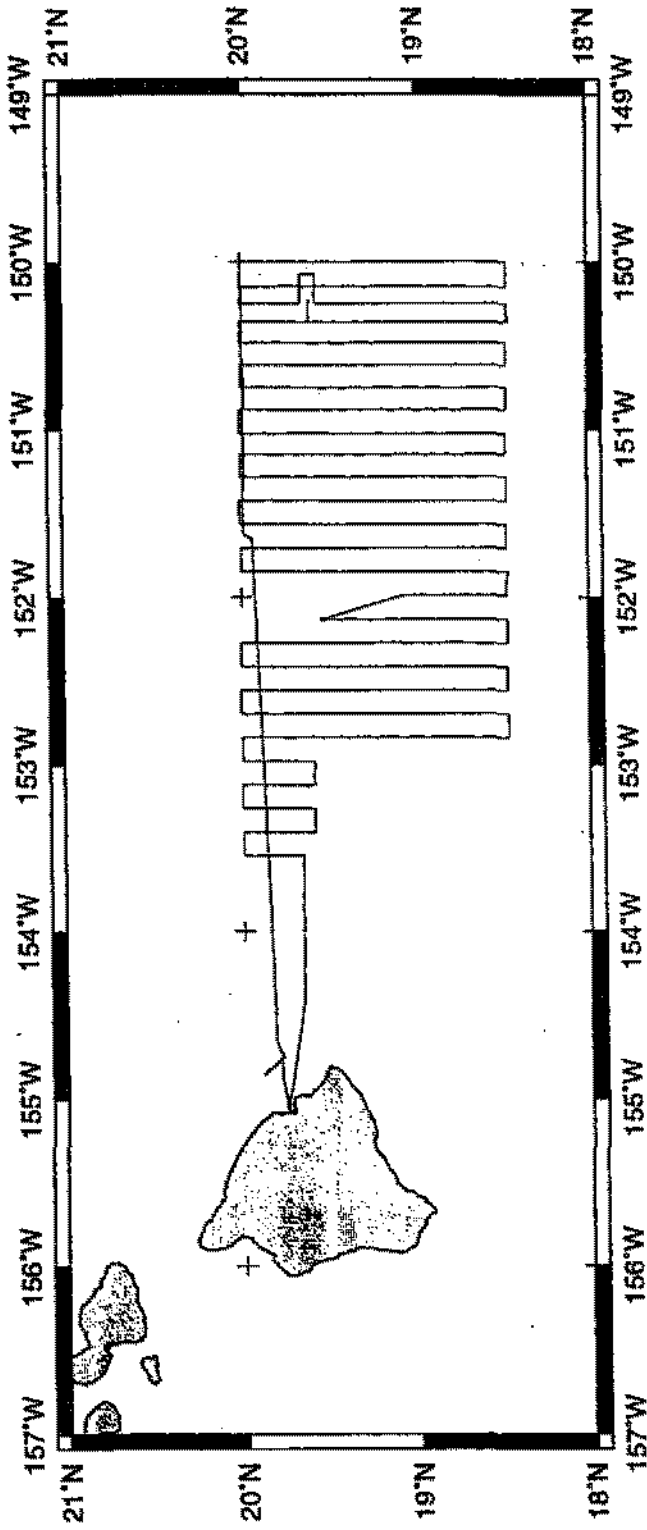
Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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



DRIFT EXPEDITION LEG 12 (DRFT12RR)

CHIEF SCIENTIST: Woody Sutherland, Scripps Institution

PORTS: Hilo - Hilo, Hawaii

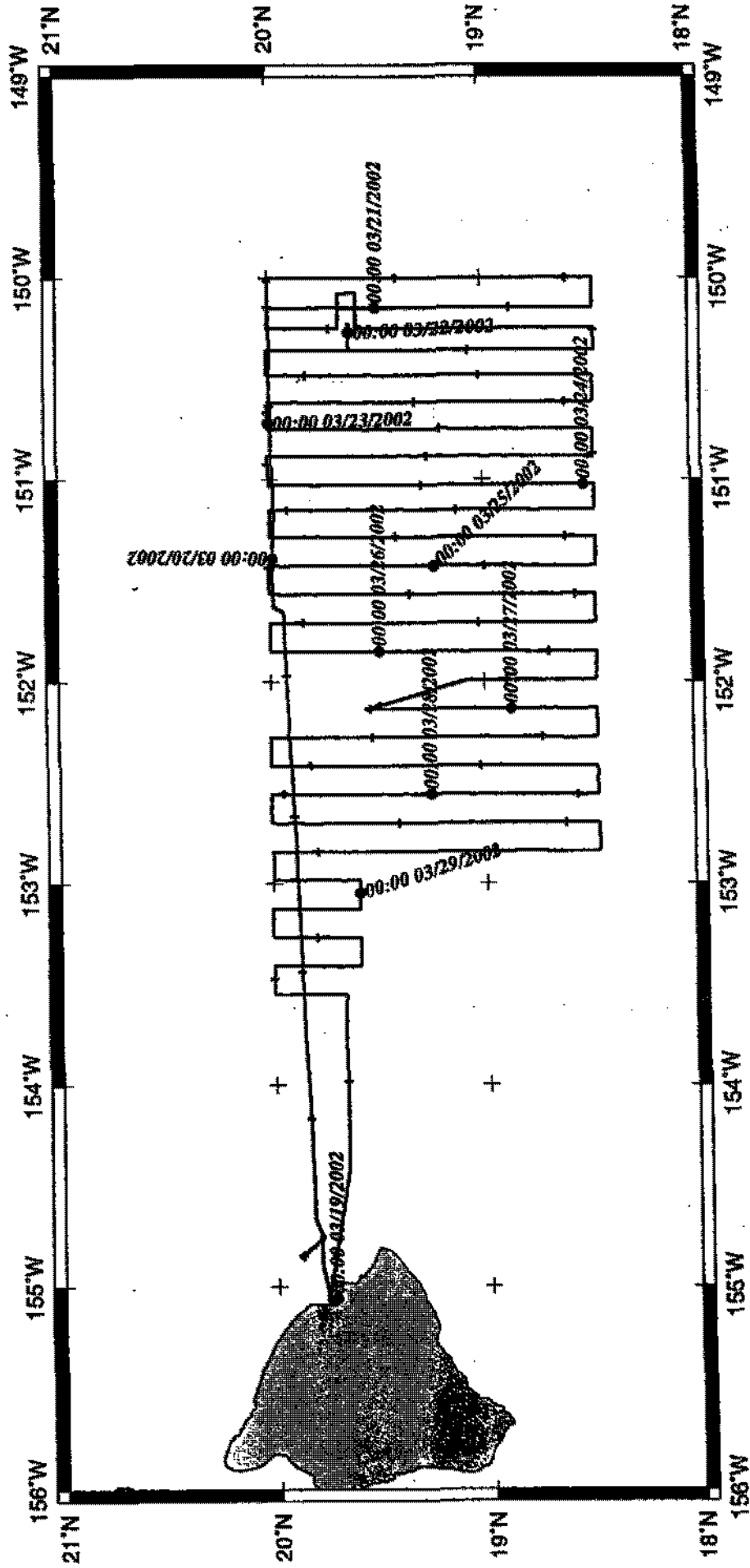
DATES: 18 March - 29 March 2002

SHIP: R/V Revelle

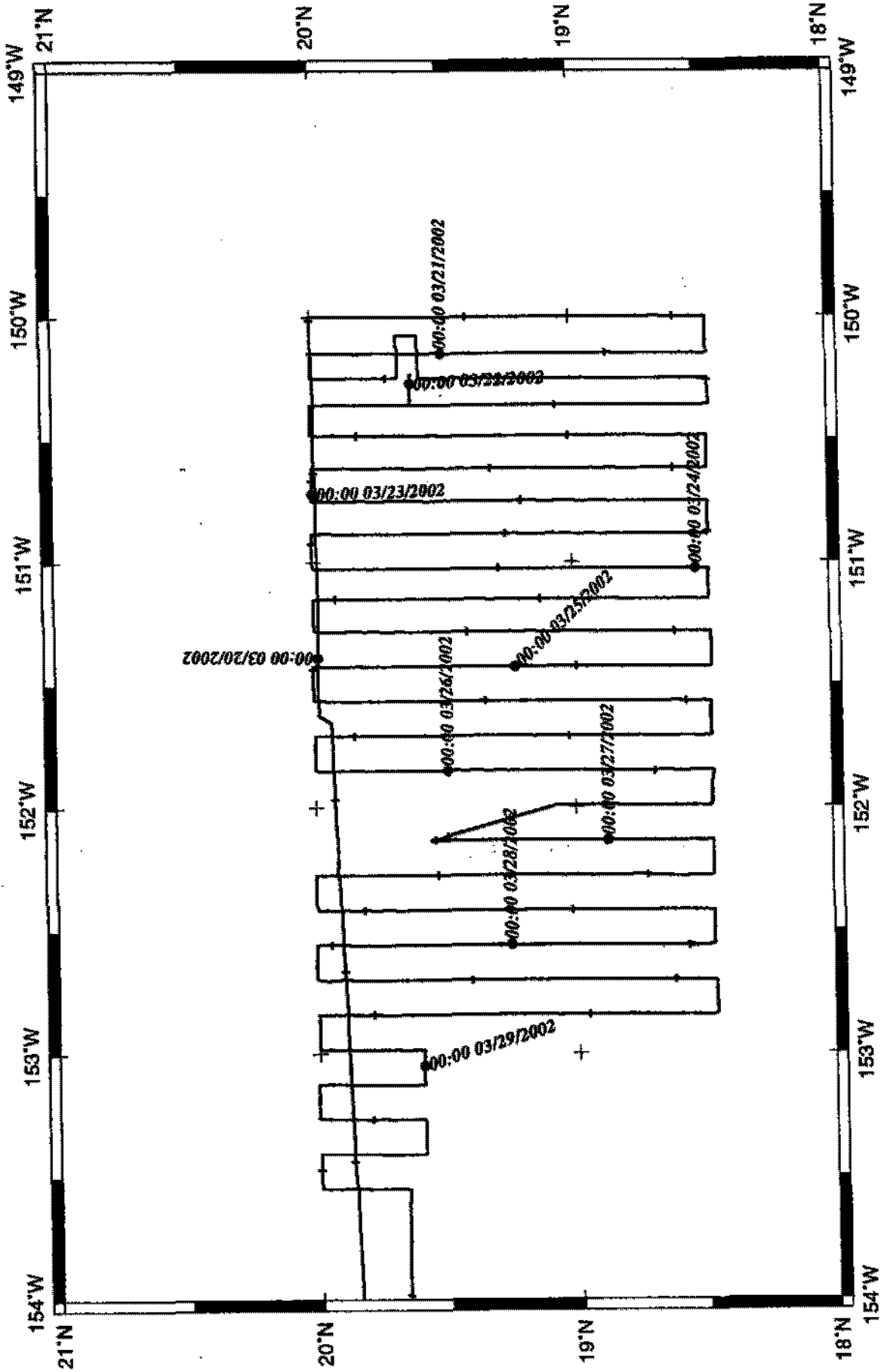
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

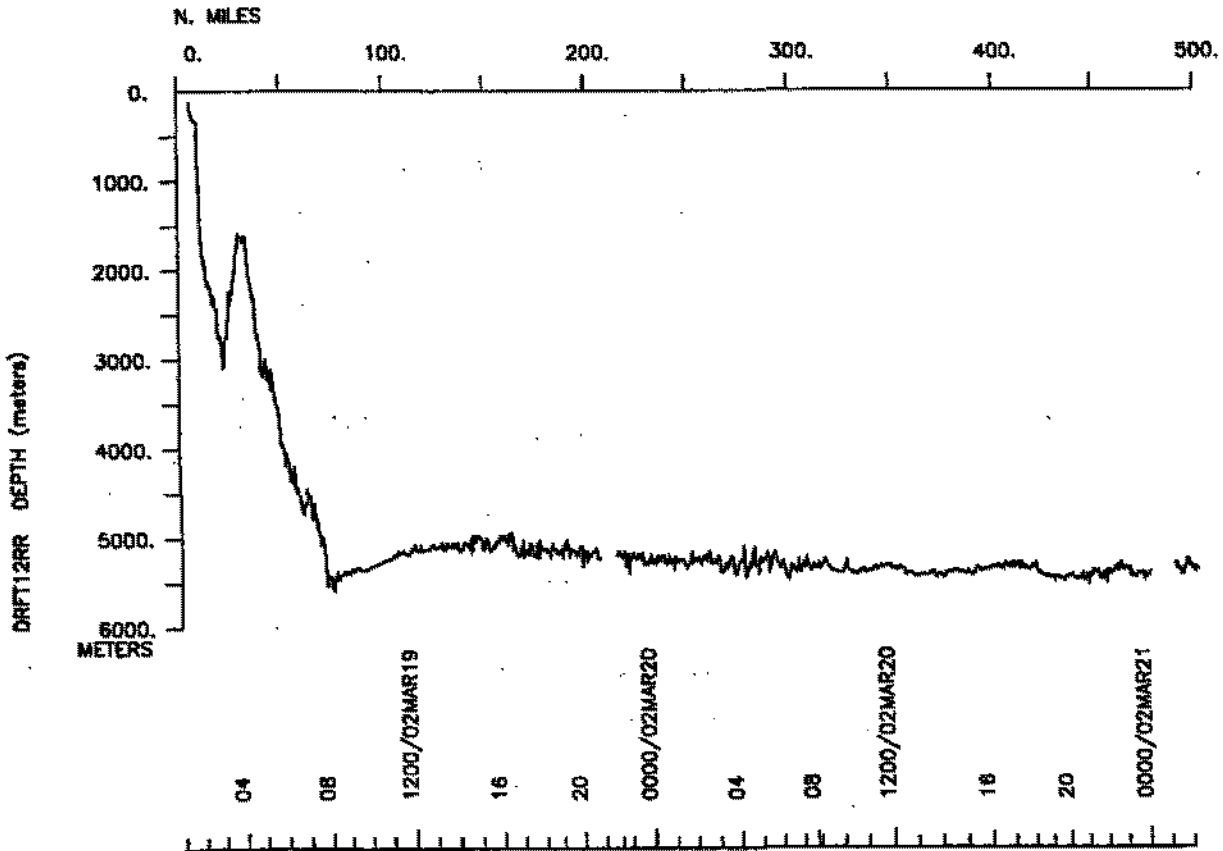
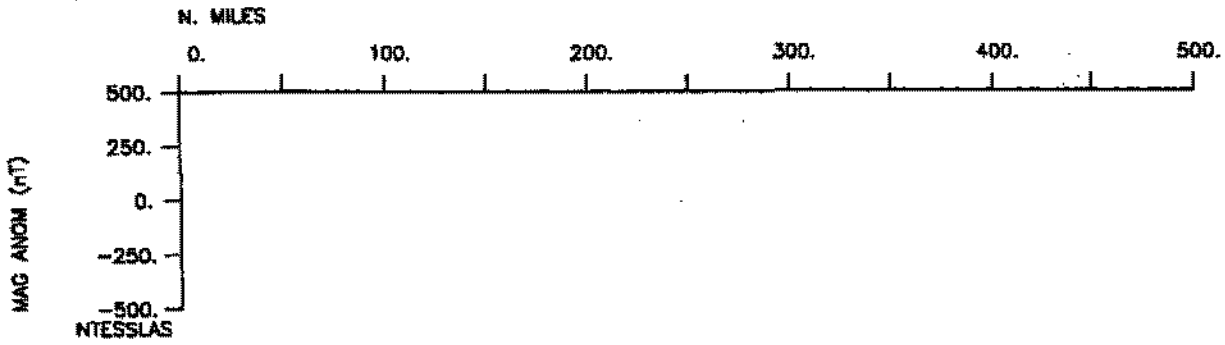
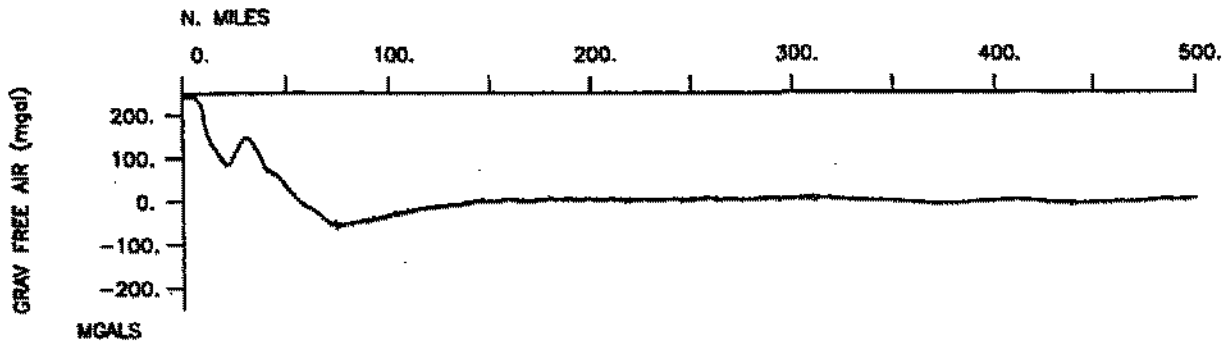
Cruise-2731 miles	Magnetics-none collected
Bathymetry-7410 miles	Seismic Reflection-none collected
Multibeam-2711 miles	Gravity-2711 miles

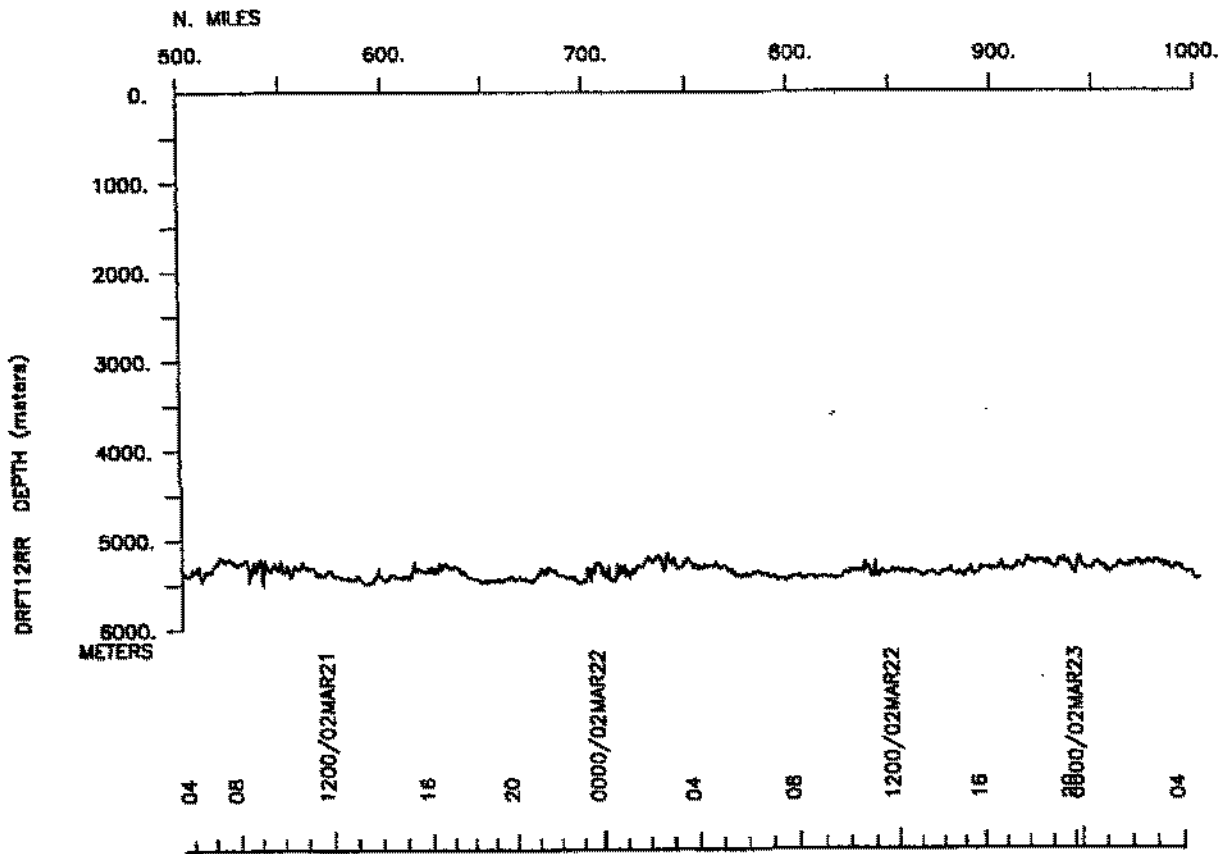
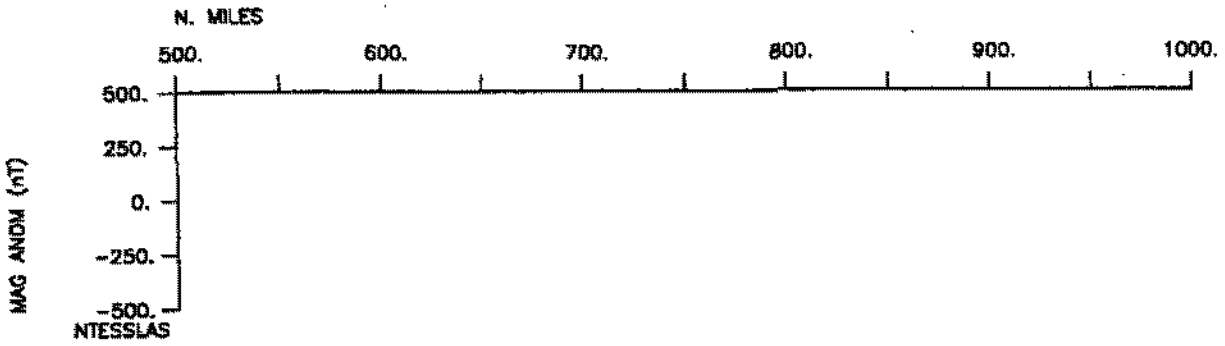
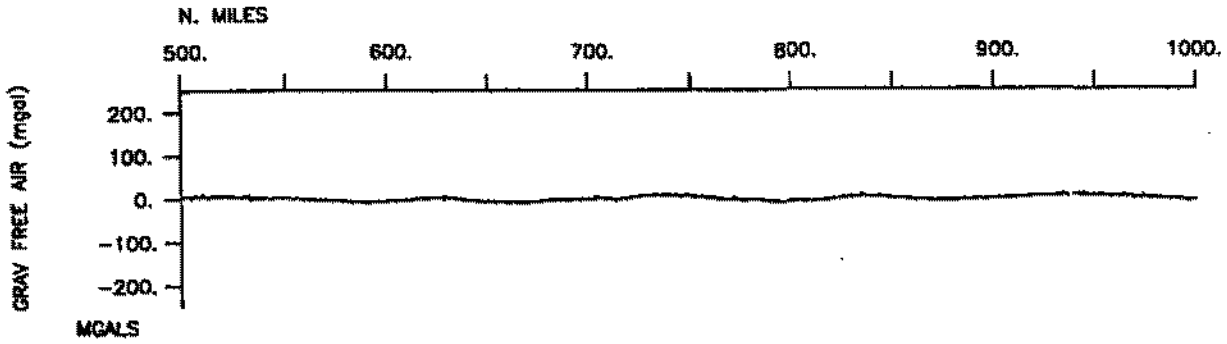
DRFT12RR

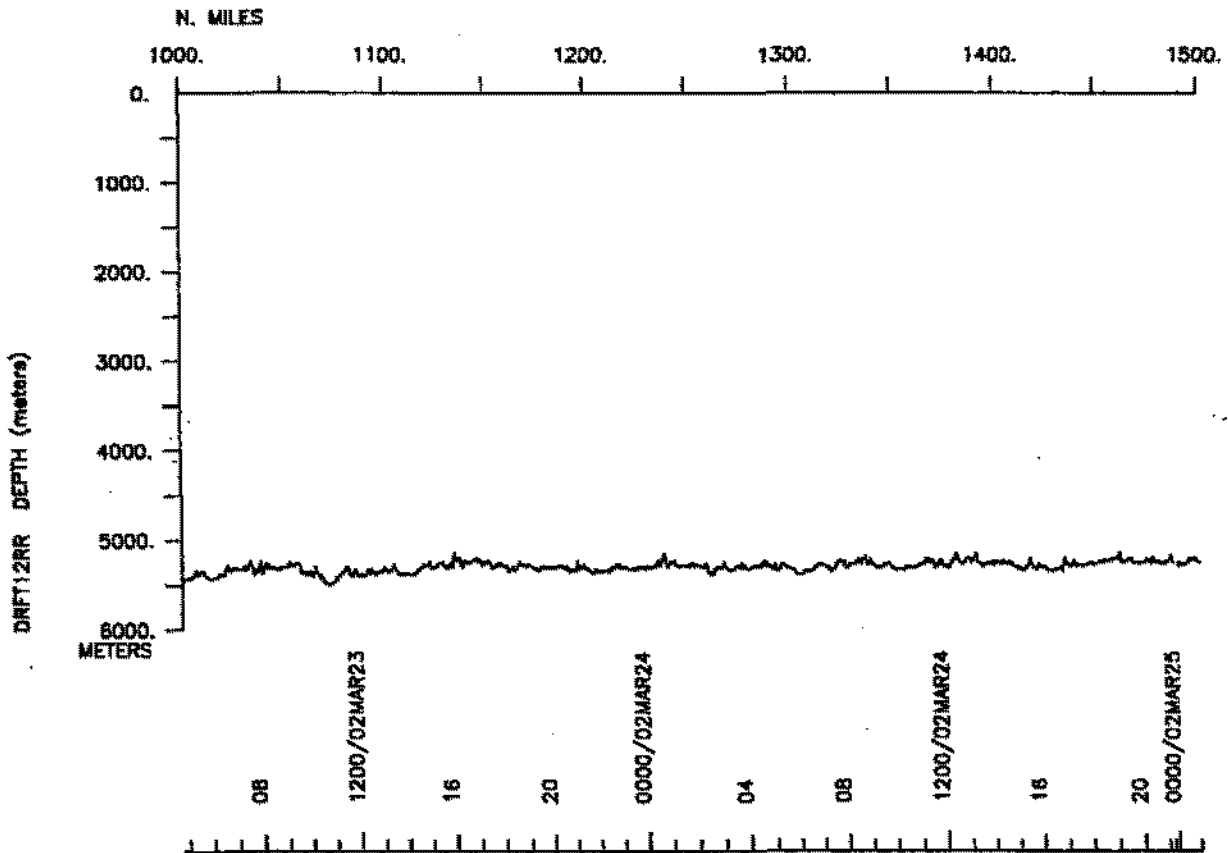
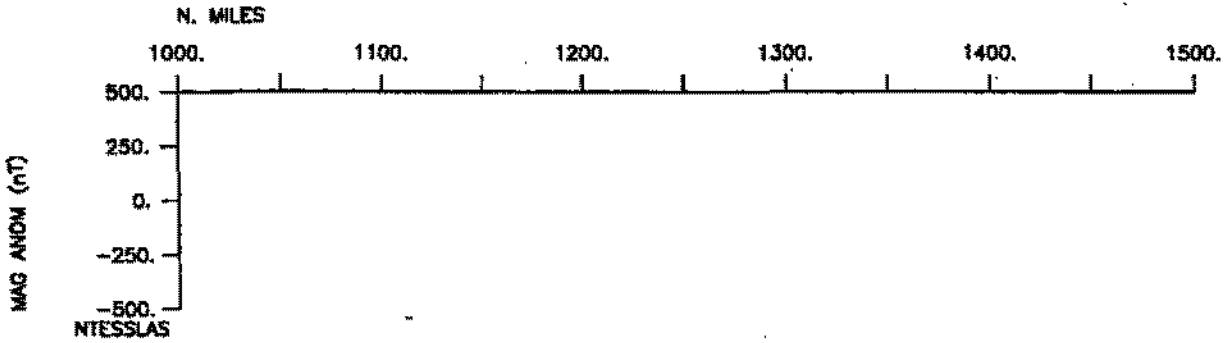
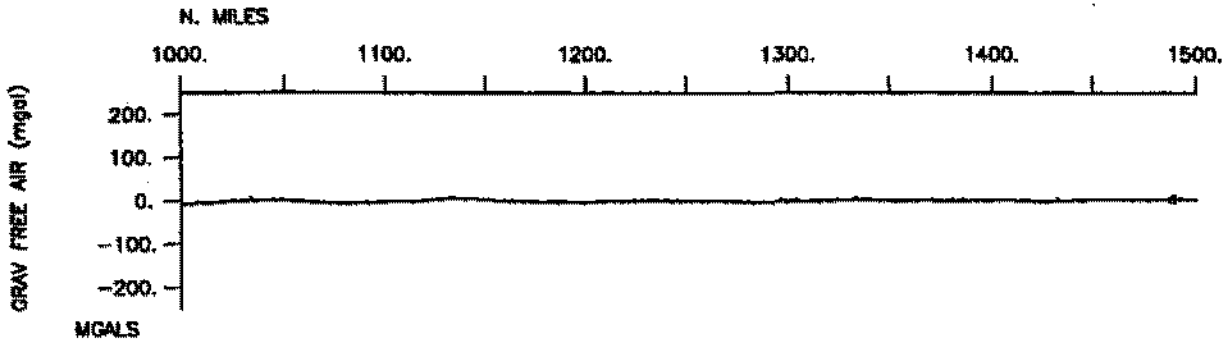


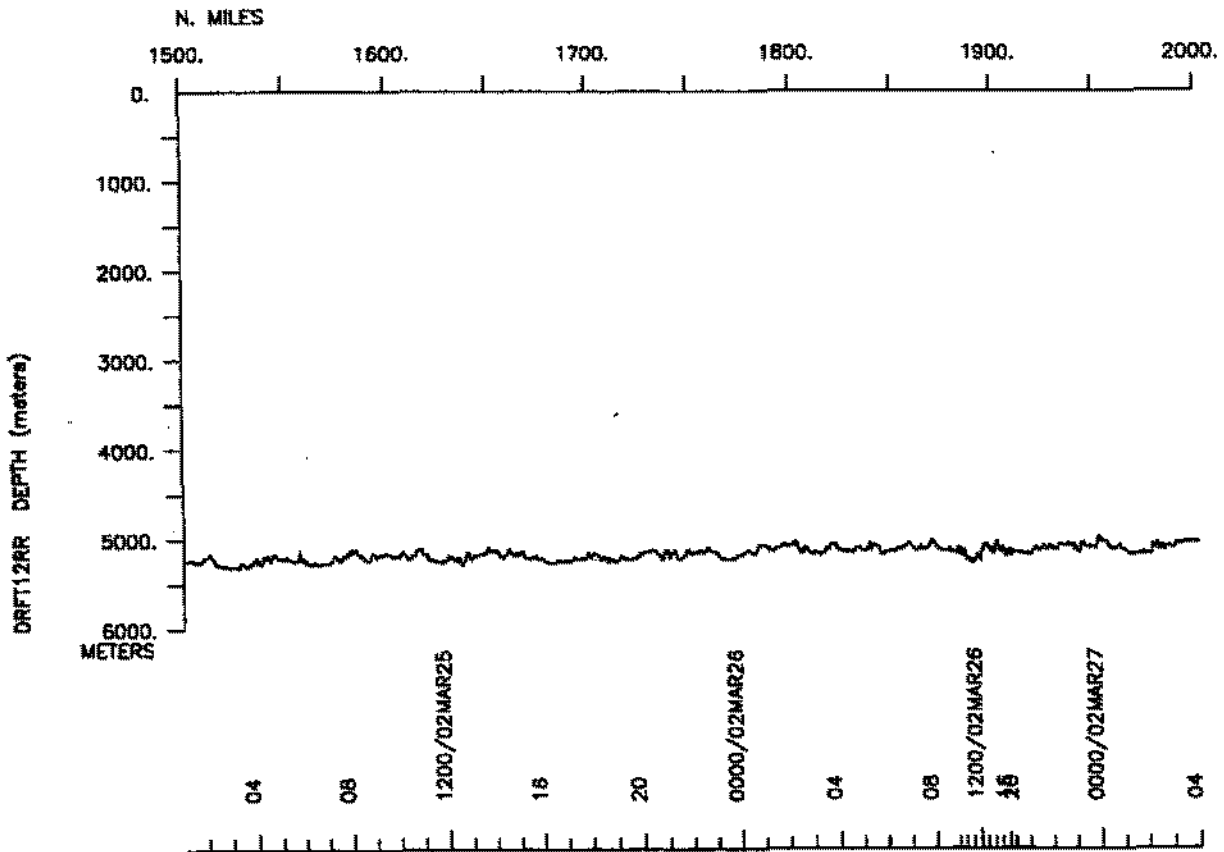
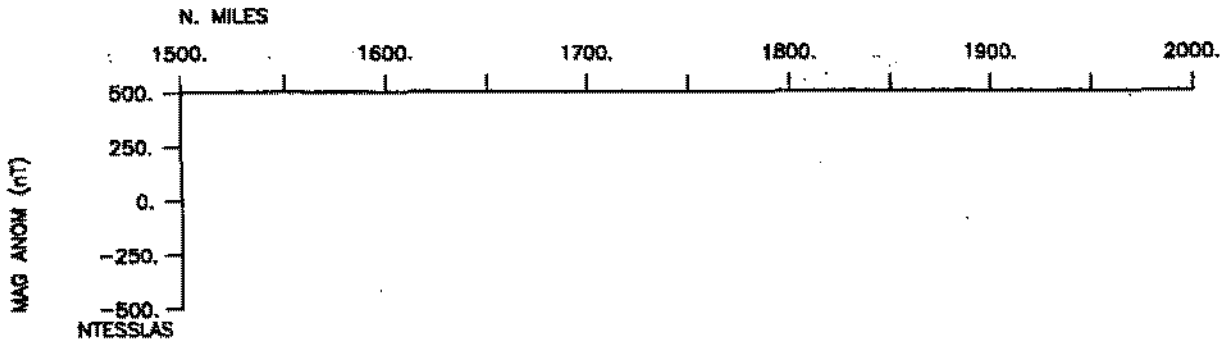
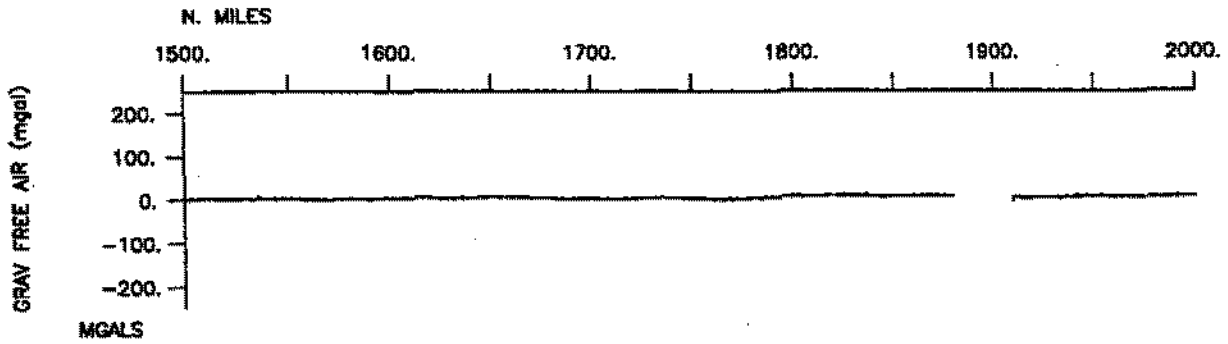
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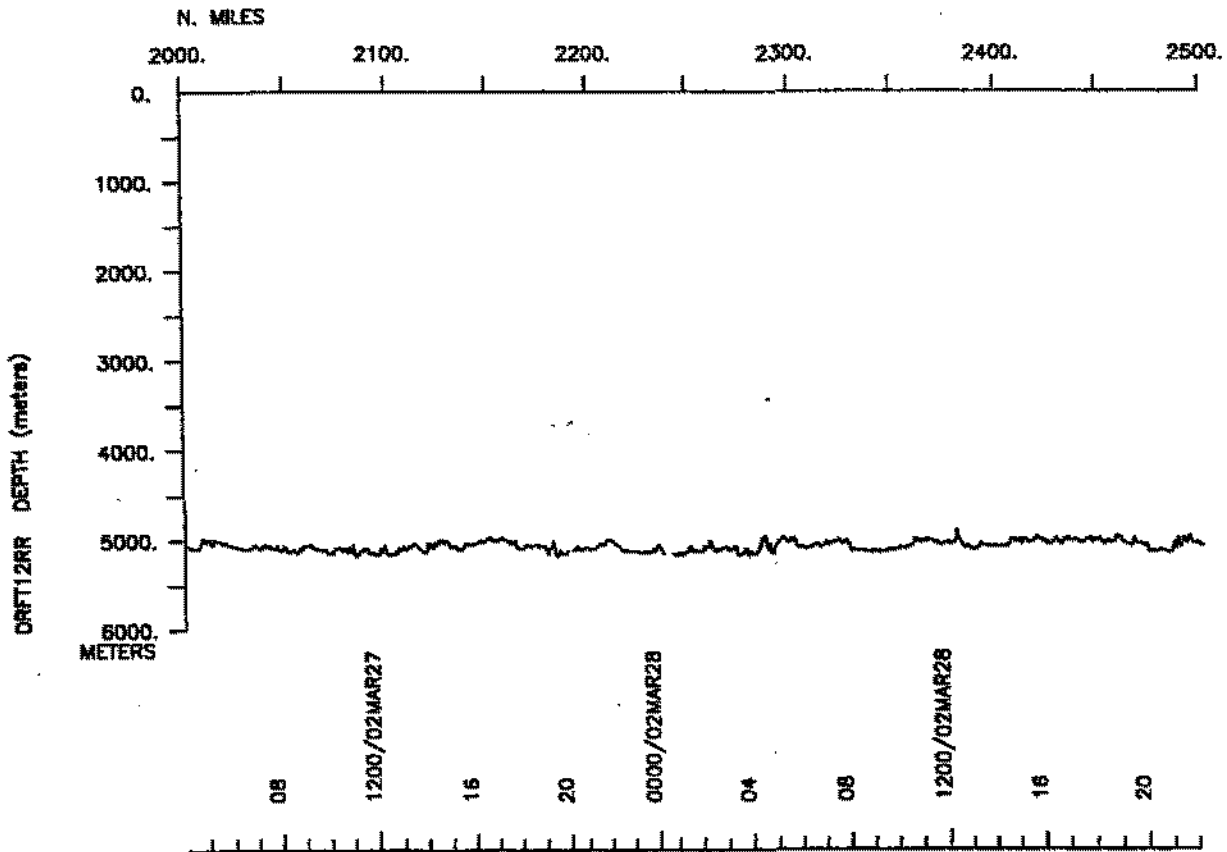
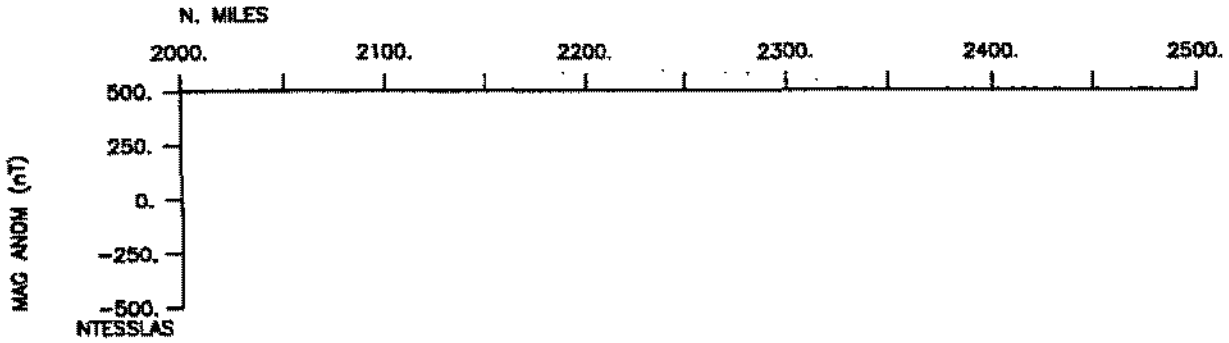
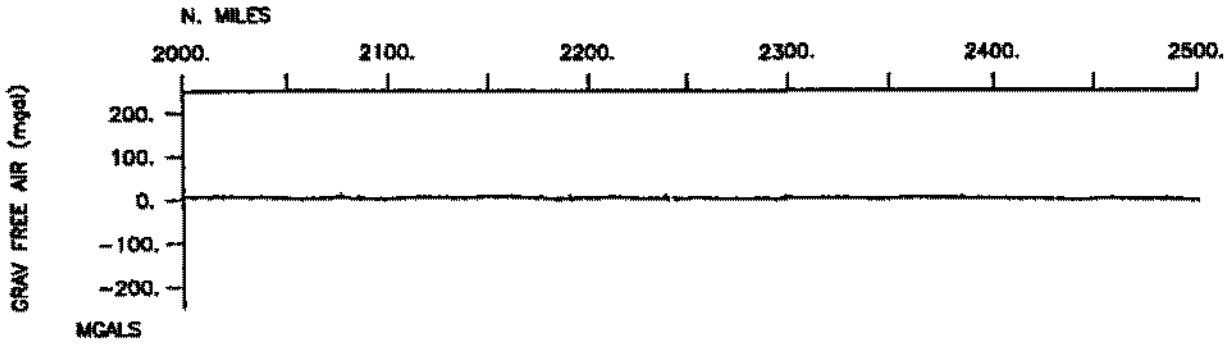


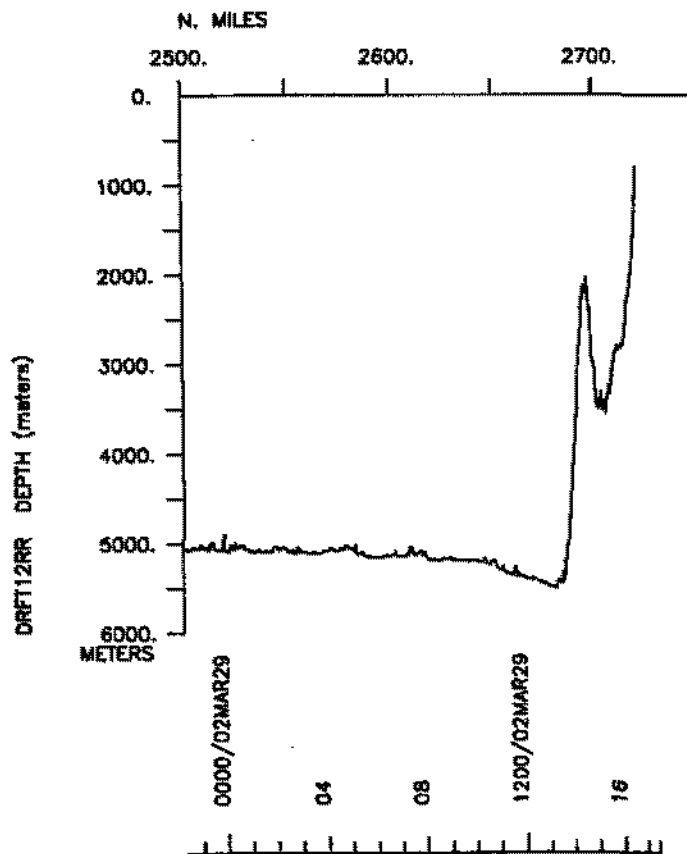
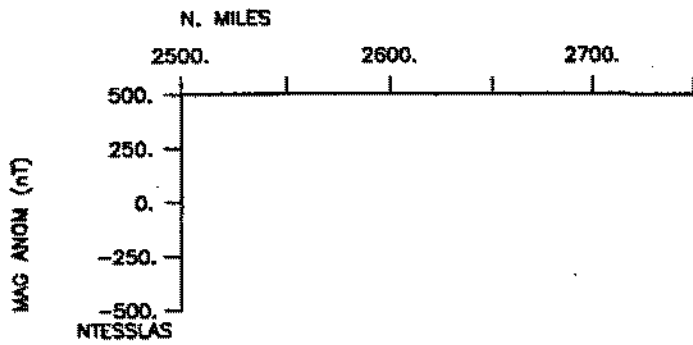
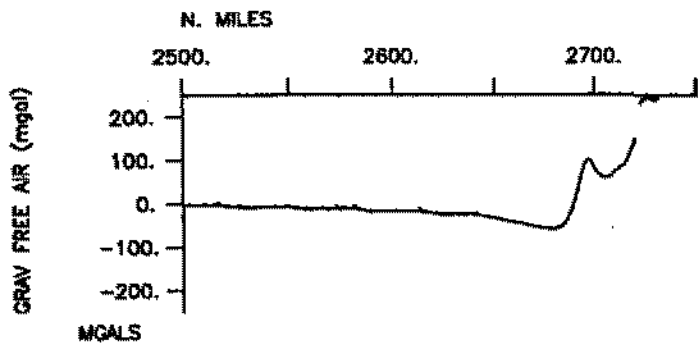












S.I.O. Sample Index

Drift Expedition

Leg 12

(DRFT12RR)

R/V Revelle

(Issued July 2002)

PORTS:

Hilo, Hawaii (18 March 2002)
to
Hilo, Hawaii (29 March 2002)

Chief Scientist: Woody Sutherland
Scripps Institution of Oceanography

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 ****

0132	190302	LGPT B Hilo, Hawaii	19-44.00N 155-04.00W f	DRFT12RR
1642	290302	LGPT E Hilo, Hawaii	19-44.00N 155-04.00W f	DRFT12RR

**** Personnel ****

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS STS	Sutherland, W.	Chief Scientist	Scripps Institution	DRFT12RR
PECT STS	French, B.	Computer Tech	Scripps Institution	DRFT12RR
PEET STS	Palomares, R.	Electronics Tech	Scripps Institution	DRFT12RR
PEET STS	Calderwood, J.	Electronics Tech	Scripps Institution	DRFT12RR
PESP STS	Sanborn, K.	Processor	Scripps Institution	DRFT12RR
PESP STS	Beaupre, M.	Processor	Scripps Institution	DRFT12RR
PESP NAVO	Anoskey, T.	Technician	NAVO	DRFT12RR

**** 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 DDMYY	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 ****

0132	190302	0 LBUW B	Underway watch log	STS	19-46.25N	155-00.79W	g	DRFT12RR
1642	290302	0 LBUW E	Underway watch log	STS	19-45.03N	154-58.47W	g	DRFT12RR

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

0310	190302	0 MBSI B	SIMRAD multibeam	GDC	19-48.15N	154-46.20W	g	DRFT12RR
1638	290302	0 MBSI E	SIMRAD multibeam	GDC	19-44.85N	154-57.64W	g	DRFT12RR

**** Digital Gravity (Earth Total Field) ****

0038	190302	0 GVDD B	digital gravity	GDC	19-43.78N	155-03.35W	g	DRFT12RR
1922	290302	0 GVDD E	digital gravity	GDC	19-43.89N	155-03.26W	g	DRFT12RR

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

0132	190302	0 IMET B	weather measurements	GDC	19-46.25N	155-00.79W	g	DRFT12RR
1642	290302	0 IMET E	weather measurements	GDC	19-45.03N	154-58.47W	g	DRFT12RR

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

0132	190302	0 ADCP B	current measurements	GDC	19-46.25N	155-00.79W	g	DRFT12RR
1642	290302	0 ADCP E	current measurements	GDC	19-45.03N	154-58.47W	g	DRFT12RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#										
0305	210302	0	TDCT	B CTD #1 deployed	STS	19-59.99N	150-08.87W	g		DRFT12RR
0545	210302	0	TDCT	E CTD #1 on deck	STS	19-59.99N	150-08.88W	g		DRFT12RR
2027	220302	0	TDCT	B CTD #2 deployed	STS	20-00.07N	150-40.07W	g		DRFT12RR
2328	220302	0	TDCT	E CTD #2 on deck	STS	20-00.07N	150-40.07W	g		DRFT12RR
2130	240302	0	TDCT	B CTD #3 deployed	STS	19-13.95N	151-25.43W	g		DRFT12RR
2327	240302	0	TDCT	E CTD #3 on deck	STS	19-13.95N	151-25.42W	g		DRFT12RR
1658	260302	0	TDCT	B CTD #4 deployed	STS	19-32.29N	152-07.96W	g		DRFT12RR
2012	260302	0	TDCT	E CTD #4 on deck	STS	19-32.29N	152-07.96W	g		DRFT12RR

***Expendable Bathythermographs ***

0239	190302	0	BTXP	MK12 # 7 Fast_Deep	GDC	19-47.82N	154-48.31W	g		DRFT12RR
2256	190302	0	BTXP	MK12 # 8 Fast_Deep	GDC	19-59.12N	151-35.50W	g		DRFT12RR
0849	200302	0	BTXP	MK12 # 9 Fast_Deep	GDC	20-00.04N	150-00.56W	g		DRFT12RR
1706	200302	0	BTXP	MK12 # 10 Fast_Deep	GDC	18-27.79N	150-05.43W	g		DRFT12RR
0600	210302	0	BTXP	MK12 # 11 Fast_Deep	GDC	20-00.02N	150-09.01W	g		DRFT12RR
1606	210302	0	BTXP	MK12 # 12 Fast_Deep	GDC	18-27.60N	150-16.95W	g		DRFT12RR
0239	220302	0	BTXP	MK12 # 13 Fast_Deep	GDC	20-00.27N	150-22.92W	g		DRFT12RR
1002	220302	0	BTXP	MK12 # 14 Fast_Deep	GDC	18-35.40N	150-29.01W	g		DRFT12RR
2348	220302	0	BTXP	MK12 # 15 Fast_Deep	GDC	19-60.00N	150-40.67W	g		DRFT12RR
0411	230302	0	BTXP	MK12 # 16 Fast_Deep	GDC	19-09.29N	150-44.92W	g		DRFT12RR
0911	230302	0	BTXP	MK12 # 17 Fast_Deep	GDC	18-41.92N	150-53.02W	g		DRFT12RR
1832	230302	0	BTXP	MK12 # 18 Fast_Deep	GDC	19-34.68N	151-01.45W	g		DRFT12RR
0955	240302	0	BTXP	MK12 # 19 Fast_Deep	GDC	19-49.24N	151-16.99W	g		DRFT12RR
0444	250302	0	BTXP	MK12 # 20 Fast_Deep	GDC	19-58.29N	151-33.91W	g		DRFT12RR
1619	250302	0	BTXP	MK12 # 21 Fast_Deep	GDC	19-05.40N	151-42.49W	g		DRFT12RR
0858	260302	0	BTXP	MK12 # 22 Fast_Deep	GDC	19-04.59N	151-59.53W	g		DRFT12RR
2034	260302	0	BTXP	MK12 # 23 Fast_Deep	GDC	19-32.44N	152-08.23W	g		DRFT12RR
0302	270302	0	BTXP	MK12 # 24 Fast_Deep	GDC	18-31.46N	152-16.62W	g		DRFT12RR
1606	270302	0	BTXP	MK12 # 25 Fast_Deep	GDC	19-00.20N	152-25.03W	g		DRFT12RR
0503	280302	0	BTXP	MK12 # 26 Fast_Deep	GDC	19-58.65N	152-42.17W	g		DRFT12RR
2216	280302	0	BTXP	MK12 # 27 Fast_Deep	GDC	19-52.74N	152-58.99W	g		DRFT12RR
2219	280302	0	BTXP	MK12 # 28 Fast_Deep	GDC	19-52.15N	152-59.00W	g		DRFT12RR

End Sample Index DRFT12RR