

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

Drift Expedition

Leg 13

(DRFT13RR)

R/V Revelle

(Issued June 2002)

Ports:

Hilo, Hawaii (01 April 2002)

to

Honolulu, Hawaii (20 April 2002)

Chief Scientist: John Hildebrand
Scripps Institution of Oceanography
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Computer Tech – Steve Foley
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 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

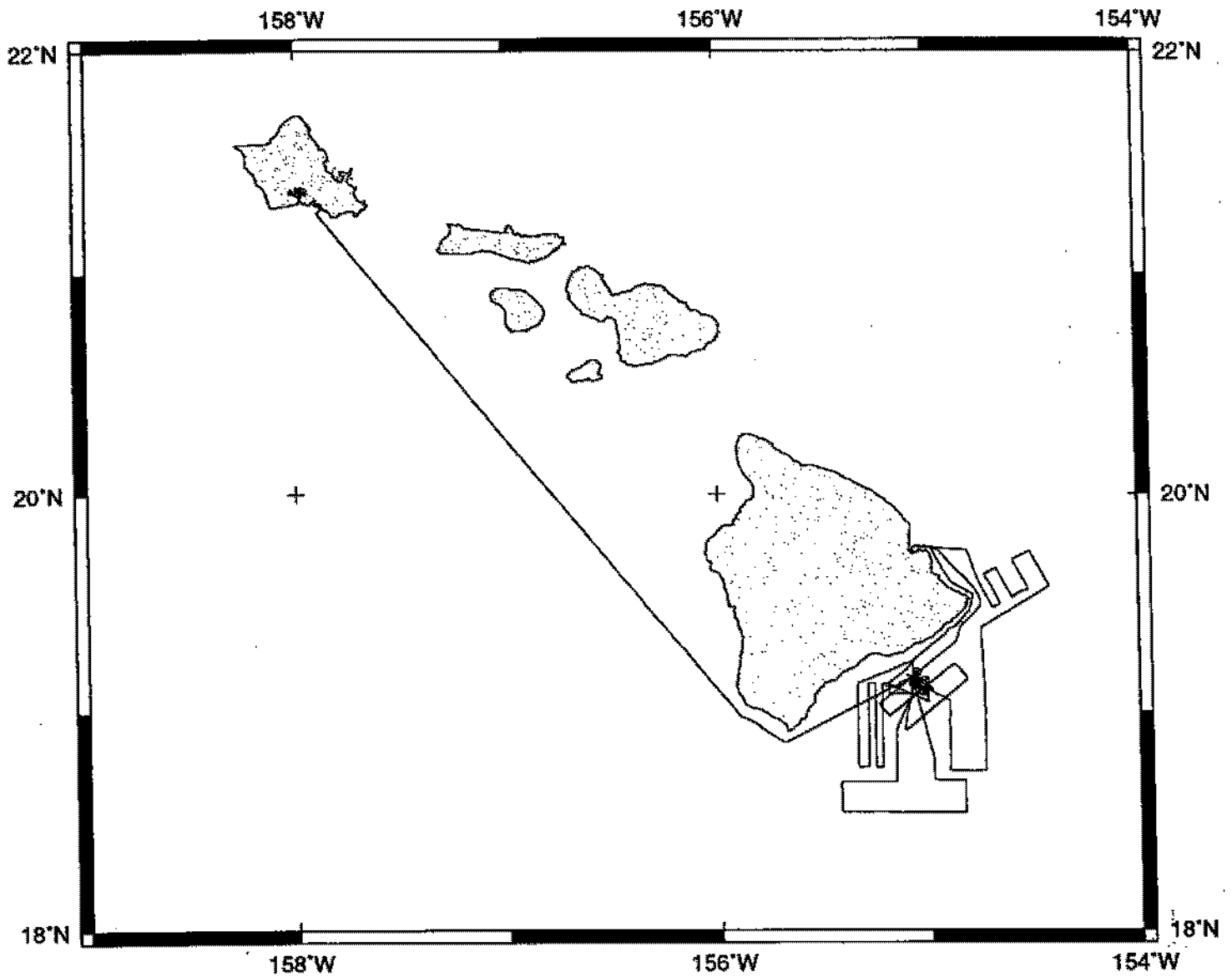
Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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 13 (DRFT13RR)

CHIEF SCIENTIST: John Hildebrand, Scripps Institution

PORTS: Hilo - Honolulu, Hawaii

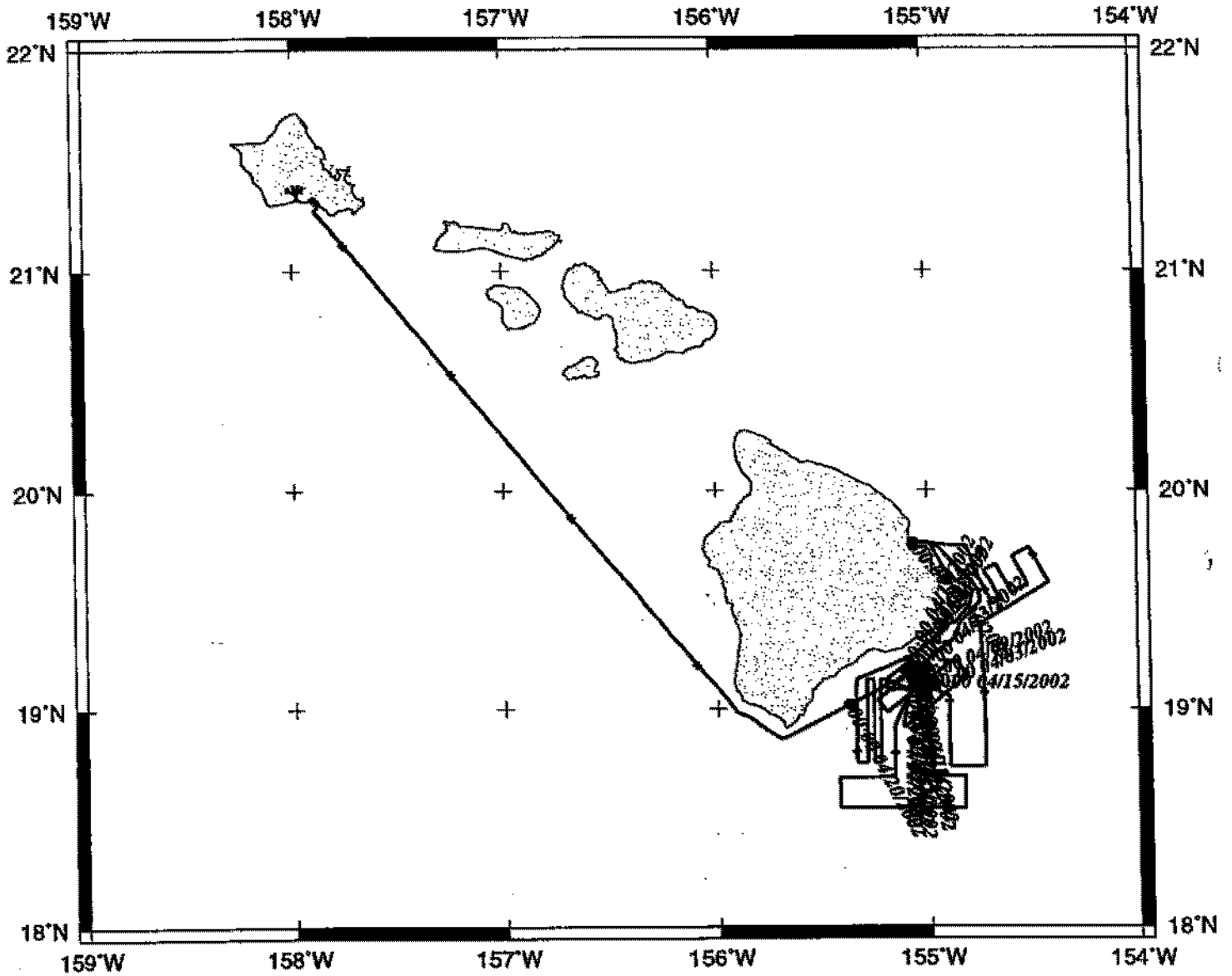
DATES: 01 - 20 April 2002

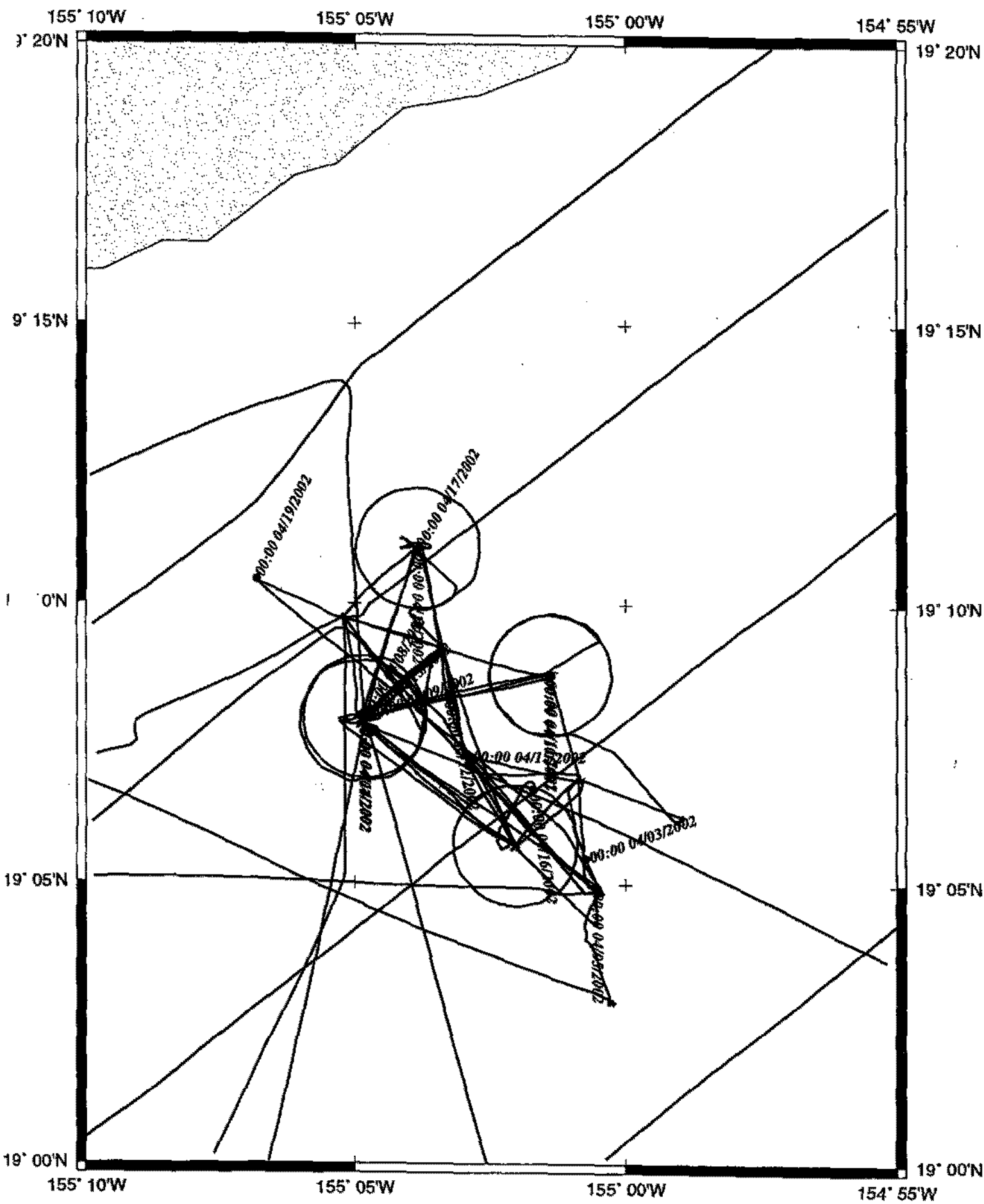
SHIP: R/V Revelle

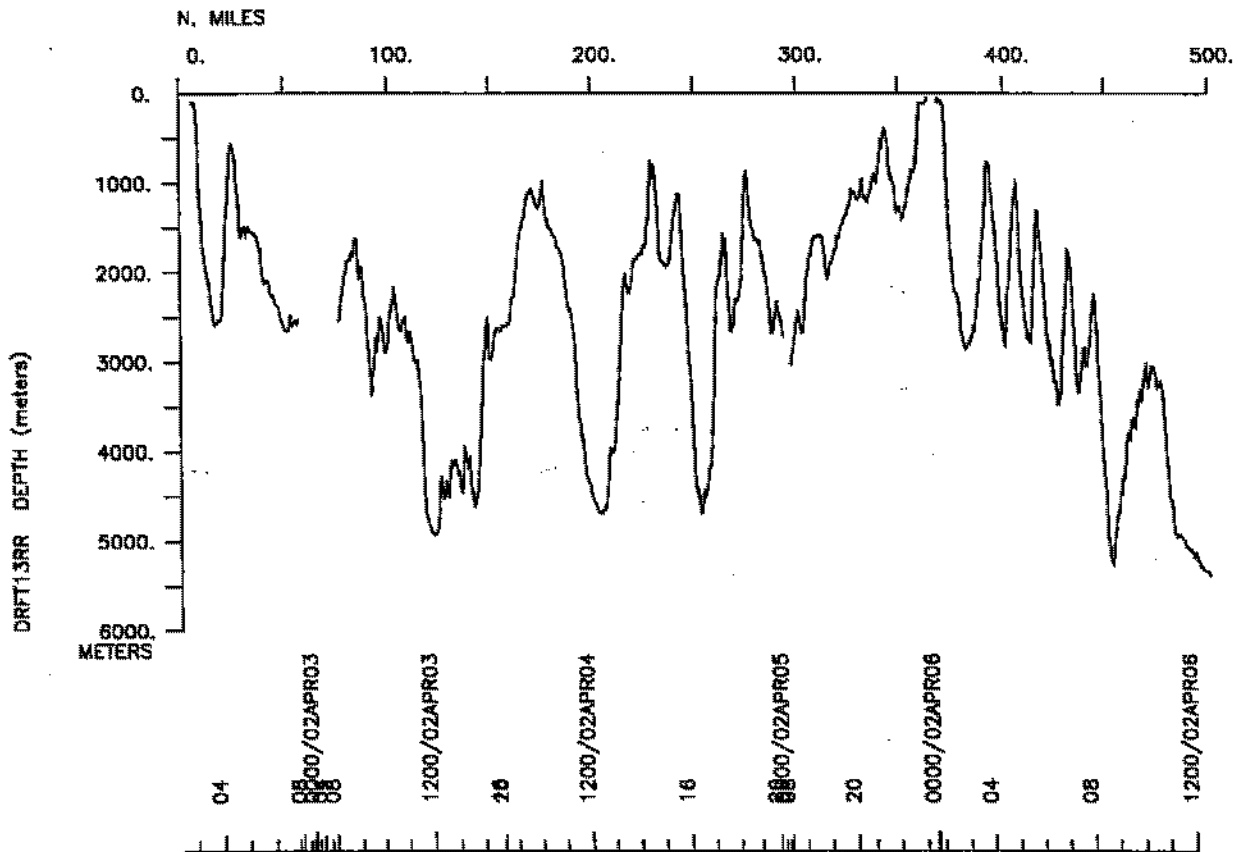
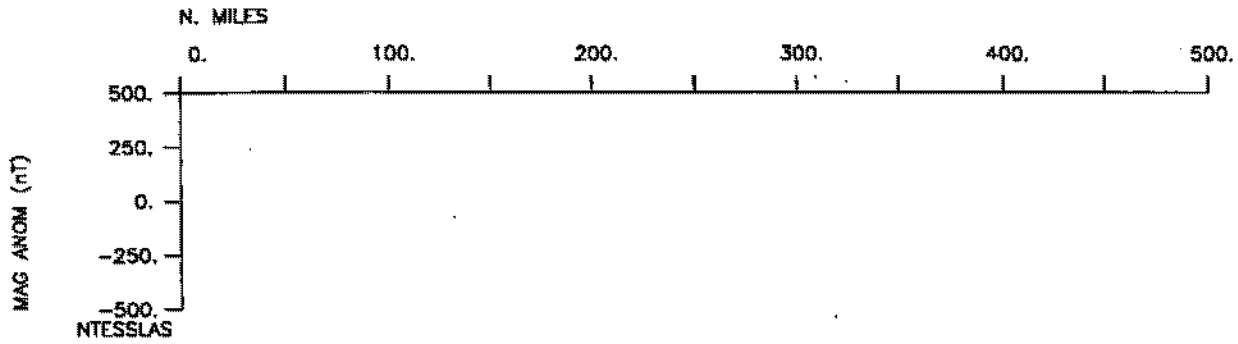
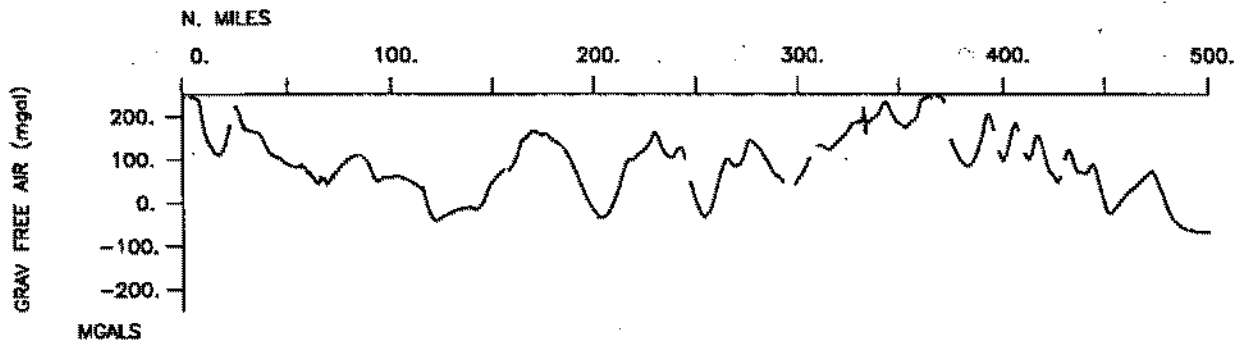
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

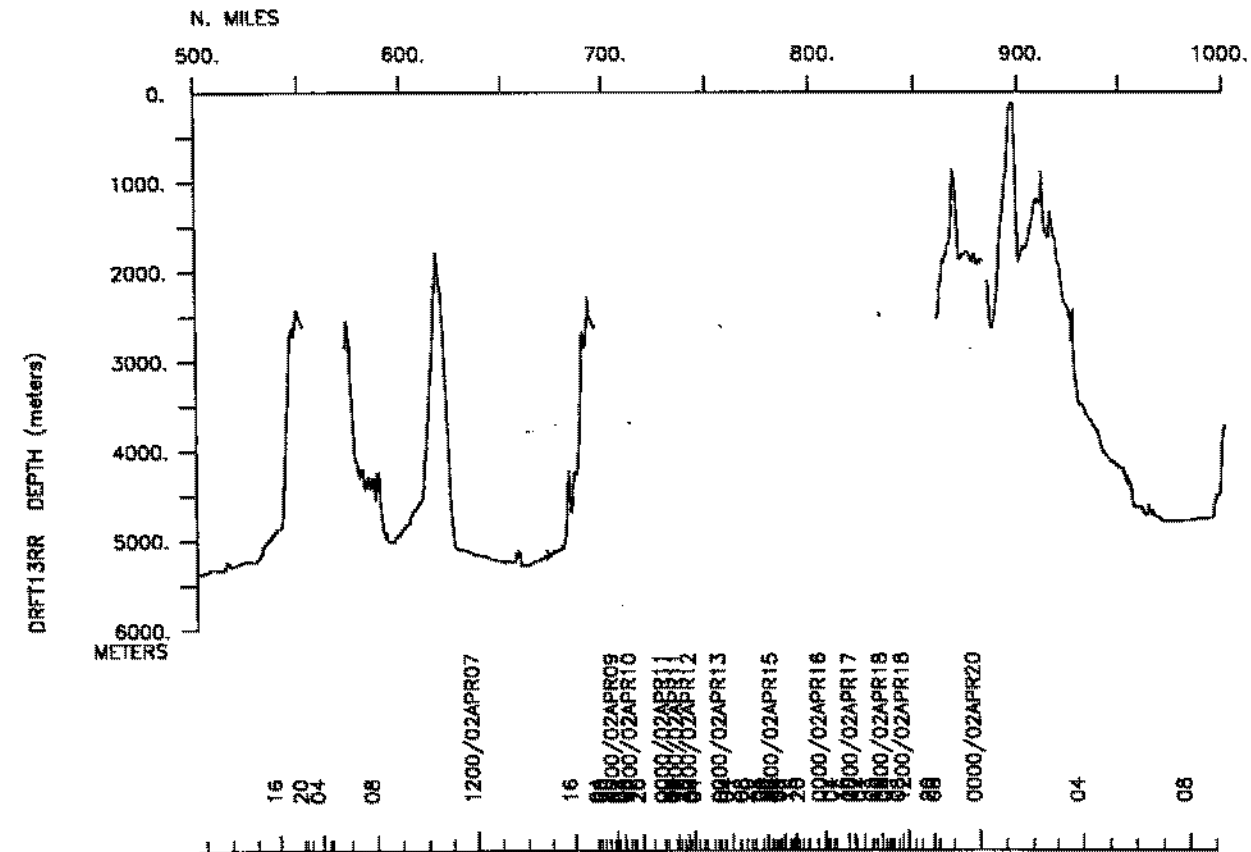
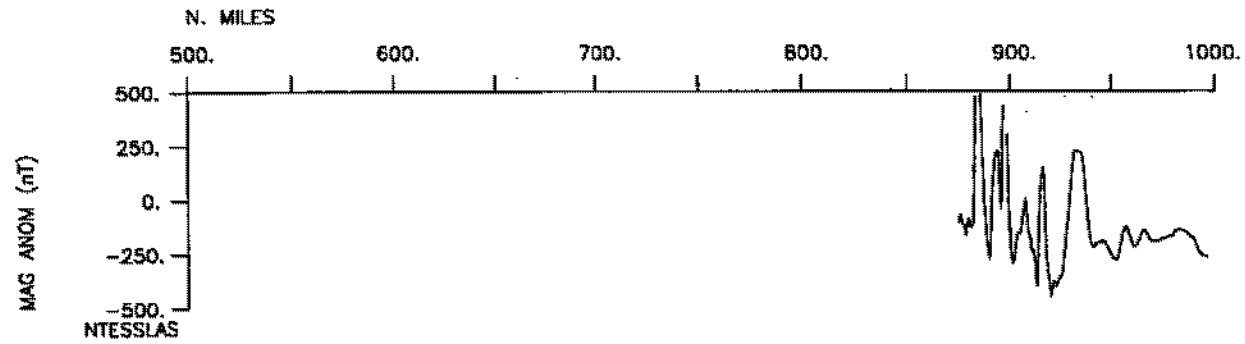
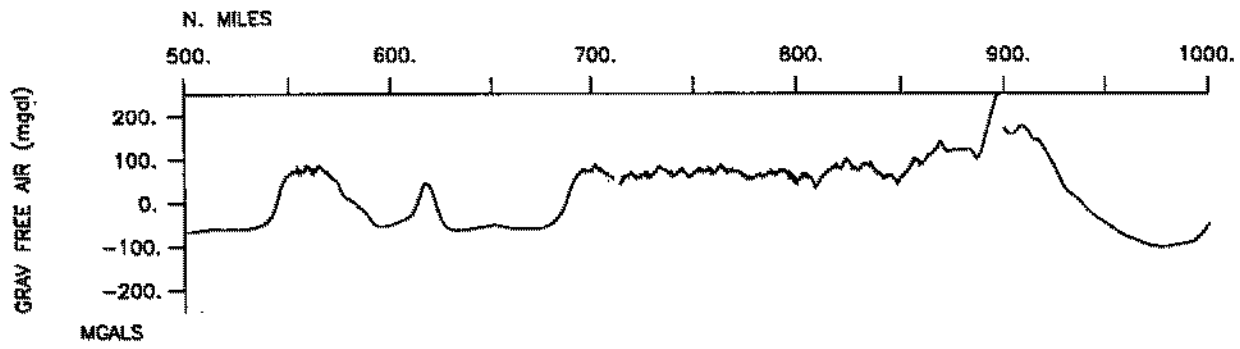
Cruise-1089 miles	Magnetics-none collected
Bathymetry-861 miles	Seismic Reflection-none collected
Multibeam-861 miles	Gravity-1074 miles

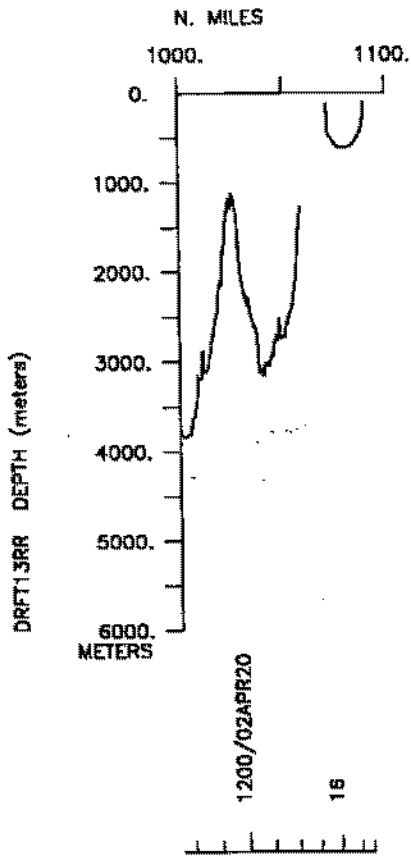
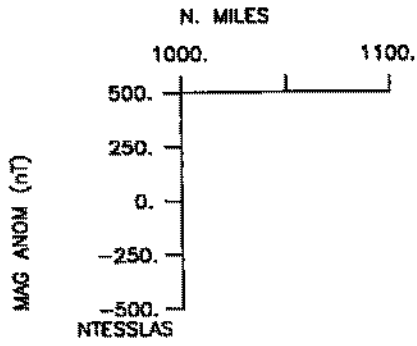
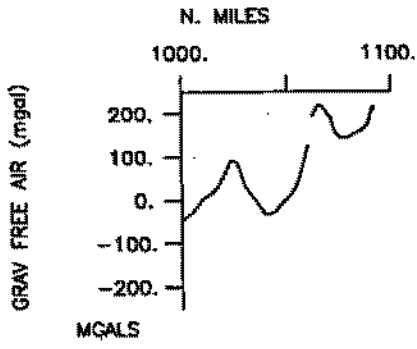
DRFT13RR











S.I.O. Sample Index

Drift Expedition

Leg 13

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R/V Revelle

(Issued June 2002)

PORTS:

Hilo, Hawaii (01 April 2002)

to

Honolulu, Hawaii (20 April 2002)

Chief Scientist: John Hildebrand
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 ***

0200 020402 LGPT Hilo, Hawaii 19-44.00N 155-04.00W f DRFT13RR
 1812 200402 LGPT Honolulu, Hawaii 21-18.00N 157-52.00W f DRFT13RR

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS MPL	Hildebrand, J.	Chief Scientist	Scripps Institution	DRFT13RR
PECS MPL	Chadwell, D.	Co-Chief Scient.	Scripps Institution	DRFT13RR
PESP SIO	Kennel, Dr. C.	Director	Scripps Institution	DRFT13RR
PESP SIO	Knox, R.	Asso. Director	Scripps Institution	DRFT13RR
PECT STS	Foley, S.	Computer Tech	Scripps Institution	DRFT13RR
PERT STS	Comer, R.	Resident Tech	Scripps Institution	DRFT13RR
PESP MPL	Zimmerman, R.	Engineer	Scripps Institution	DRFT13RR
PESP MPL	Price, D.	Electronics tech	Scripps Institution	DRFT13RR
PESP MPL	Rimington, D.	Engineer	Scripps Institution	DRFT13RR
PEVL JPN	Sweeney, A.	Volunteer	U.of Tohoku, Japan	DRFT13RR
PEVL JPN	Miura, S.	Volunteer	U.of Tohoku, Japan	DRFT13RR
PEST MPL	Phillips, K.	Grad student	Scripps Institution	DRFT13RR

**** 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 ***

0200 020402 0 LBSC B Scientific log book MPL 19-43.78N 155-03.34W g DRFT13RR
 1812 200402 0 LBSC E Scientific log book MPL 21-18.96N 157-53.17W g DRFT13RR

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

0200 020402 0 MBSI B SIMRAD Multibeam GDC 19-43.78N 155-03.34W g DRFT13RR
 1812 200402 0 MBSI E SIMRAD Multibeam GDC 21-18.96N 157-53.17W g DRFT13RR

**** Digital Gravity ***

0200 020402 0 GVDD B Gravity data GDC 19-43.78N 155-03.34W g DRFT13RR
 1812 200402 0 GVDD E Gravity data GDC 21-18.96N 157-53.17W g DRFT13RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#	-----	---	---	-----	-----	-----	-----	-----	-----	-----
*** Integrated Meteorological Acquisition System ***										
0200	020402	0	IMET	B Weather measurements	GDC	19-43.78N	155-03.34W	g	DRFT13RR	
1812	200402	0	IMET	E Weather measurements	GDC	21-18.96N	157-53.17W	g	DRFT13RR	
*** Acoustic Doppler Current Profiler ***										
0200	020402	0	ADCP	B ADCP 150 kHz	GDC	19-43.78N	155-03.34W	g	DRFT13RR	
1812	200402	0	ADCP	E ADCP 150 kHz	GDC	21-18.96N	157-53.17W	g	DRFT13RR	
*** Conductivity, Depth, Temperature ***										
0950	020402	0	TDCT	B Pogo casts Sta.1-4	MPL	19-04.94N	155-00.51W	g	DRFT13RR	
1641	020402	0	TDCT	E Pogo casts Sta.1-4	MPL	19-04.94N	155-00.51W	g	DRFT13RR	
0614	130402	0	TDCT	B Pogo casts	MPL	19-09.18N	155-03.39W	g	DRFT13RR	
1558	130402	0	TDCT	E Pogo casts	MPL	19-09.19N	155-03.39W	g	DRFT13RR	
0748	140402	0	TDCT	B Pogo casts	MPL	19-06.88N	155-00.85W	g	DRFT13RR	
1601	140402	0	TDCT	E Pogo casts	MPL	19-06.88N	155-00.85W	g	DRFT13RR	
0930	150402	0	TDCT	B Pogo casts	MPL	19-07.27N	155-02.89W	g	DRFT13RR	
1700	150402	0	TDCT	E Pogo casts	MPL	19-09.22N	155-03.41W	g	DRFT13RR	
0230	160402	0	TDCT	B Pogo casts	MPL	19-04.95N	155-00.53W	g	DRFT13RR	
1500	160402	0	TDCT	E Pogo casts	MPL	19-04.94N	155-00.51W	g	DRFT13RR	
0548	170402	0	TDCT	B Pogo casts	MPL	19-09.19N	155-03.39W	g	DRFT13RR	
1524	170402	0	TDCT	E Pogo casts	MPL	19-09.20N	155-03.40W	g	DRFT13RR	
0748	180402	0	TDCT	B Pogo casts	MPL	19-06.88N	155-00.85W	g	DRFT13RR	
1110	180402	0	TDCT	E Pogo casts	MPL	19-06.90N	155-00.85W	g	DRFT13RR	
1156	180402	0	TDCT	B Pogo casts	MPL	19-07.27N	155-02.89W	g	DRFT13RR	
1609	180402	0	TDCT	E S 03	MPL	19-07.28N	155-02.89W	g	DRFT13RR	
1720	020402	0	TDCT	S 05	2016M	MPL	19-04.94N	155-00.52W	g	DRFT13RR
0149	030402	0	TDCT	S 06	2711M	MPL	19-06.88N	155-00.85W	g	DRFT13RR
0452	030402	0	TDCT	S 07	2671M	MPL	19-04.94N	155-00.52W	g	DRFT13RR
1826	120402	0	TDCT	S 08	2500M	MPL	19-09.19N	155-03.39W	g	DRFT13RR
1825	180402	0	TDCT	RCVR Temp. sensor	MPL	19-04.85N	155-00.42W	g	DRFT13RR	
*** Acoustic Recording Package ***										
1708	030402	0	ACXX	RCVR ARP	MPL	19-07.77N	155-04.95W	g	DRFT13RR	
*** Tide Guage ***										
1900	020402	0	CMTG	B Deploy tide gauge	MPL	19-04.94N	155-00.51W	g	DRFT13RR	
1812	200402	0	CMTG	C Deploy tide gauge	MPL	21-18.96N	157-53.17W	g	DRFT13RR	
#				End Sample Index					DRFT13RR	