

***Report and Index of
Underway Marine Geophysical Data
Northeast Circle Route Expedition***

Leg 5

(NECR05RR)

R/V Revelle

(Issued March 2001)

Ports:

Honolulu, Hawaii (12 November 2000)

to

Hilo, Hawaii (7 December 2000)

Chief Scientist: John Hildebrand
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Computer Tech – Dan Jacobson
Resident Marine Tech – Gene Pillard

Post-Cruise processing and report preparation by the
Geological Data Center, 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 Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0223.

GDC Cruise ID# 294

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

Processed by the Geological Data Center
Scripps Institution of Oceanography

Contents:

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

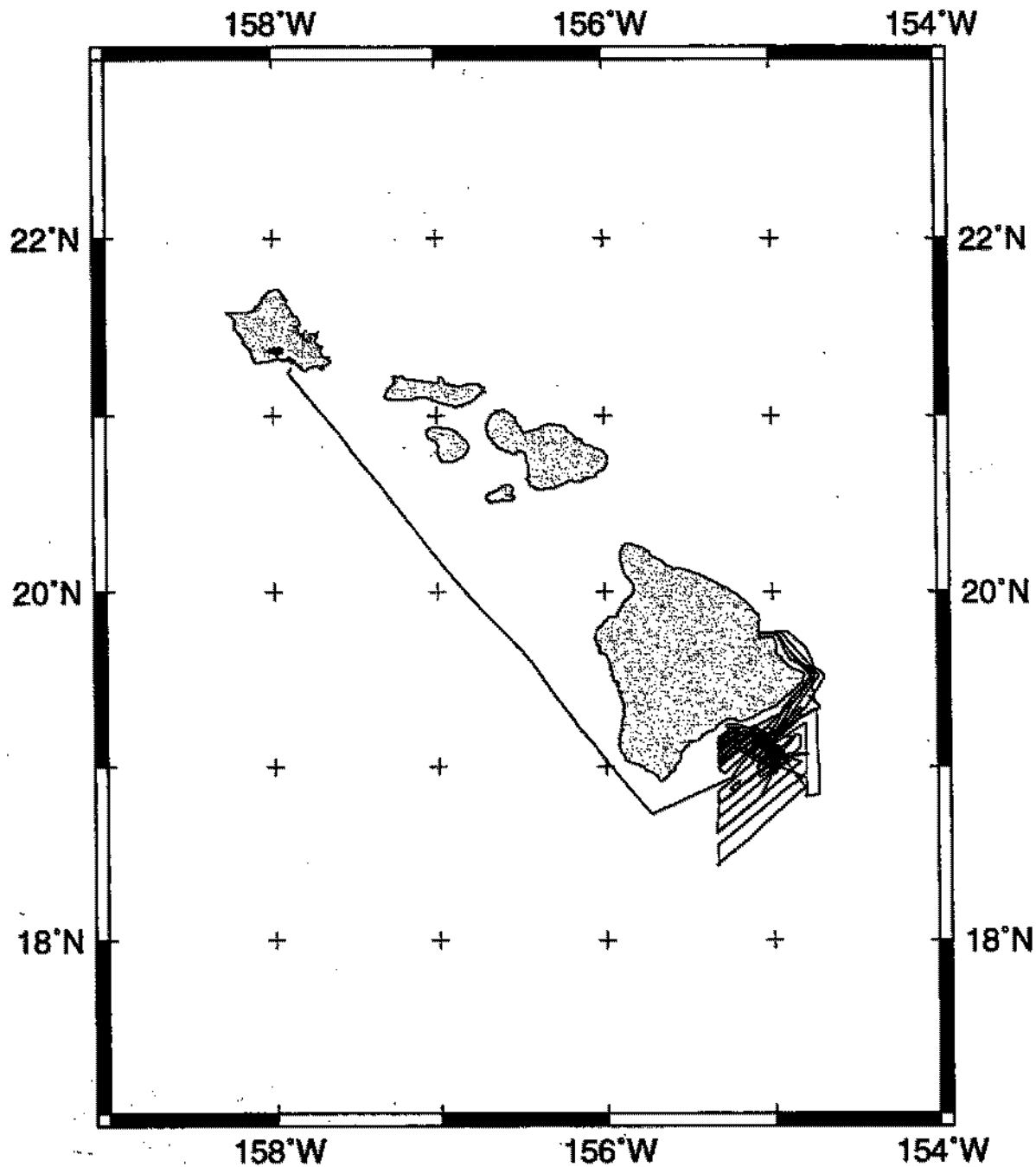
Track Charts– annotated with dates and hour ticks

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: One or more of the underway data types may not be collected on a given leg. For information on the availability and reproduction costs of data in the following forms, contact the Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0223. Phone: (858)534-2752, Fax: (858)534-6500, internet email: ualbright@ucsd.edu or gwells@ucsd.edu

1. Files via ftp or on 8mm (Exabyte) magnetic tape or CDrom:
 - a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
 - b) Above data in a single merged ASCII file in the MGD77 Exchange Format.
 - c) SeaBeam depth data (binary, Sun byte order)
 - d) SeaBeam Sidescan data.
2. Microfilm (35mm flowfilm) or hard copies of:
 - a) Underway watch log
 - b) SeaBeam vertical beam profile/Sidescan records.
 - c) 3.5 kHz and 12 kHz echosounder records.
 - d) Seismic reflection profiler records.
3. Navigation abstract listing with times and positions of major course and speed changes.
4. Custom plots in Mercator projection:
 - a) Track plots.
 - b) SeaBeam depth contour plots.
 - c) Depths, magnetic or gravity values printed or profiled along track.



NECR EXPEDITION LEG 5 (NECR05RR)

CHIEF SCIENTIST: John Hildebrand, Scripps Institution of Oceanography

PORTS: Honolulu - Hilo, Hawaii

DATES: 12 November - 7 December 2000

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise- 1895 miles

Magnetics- none collected

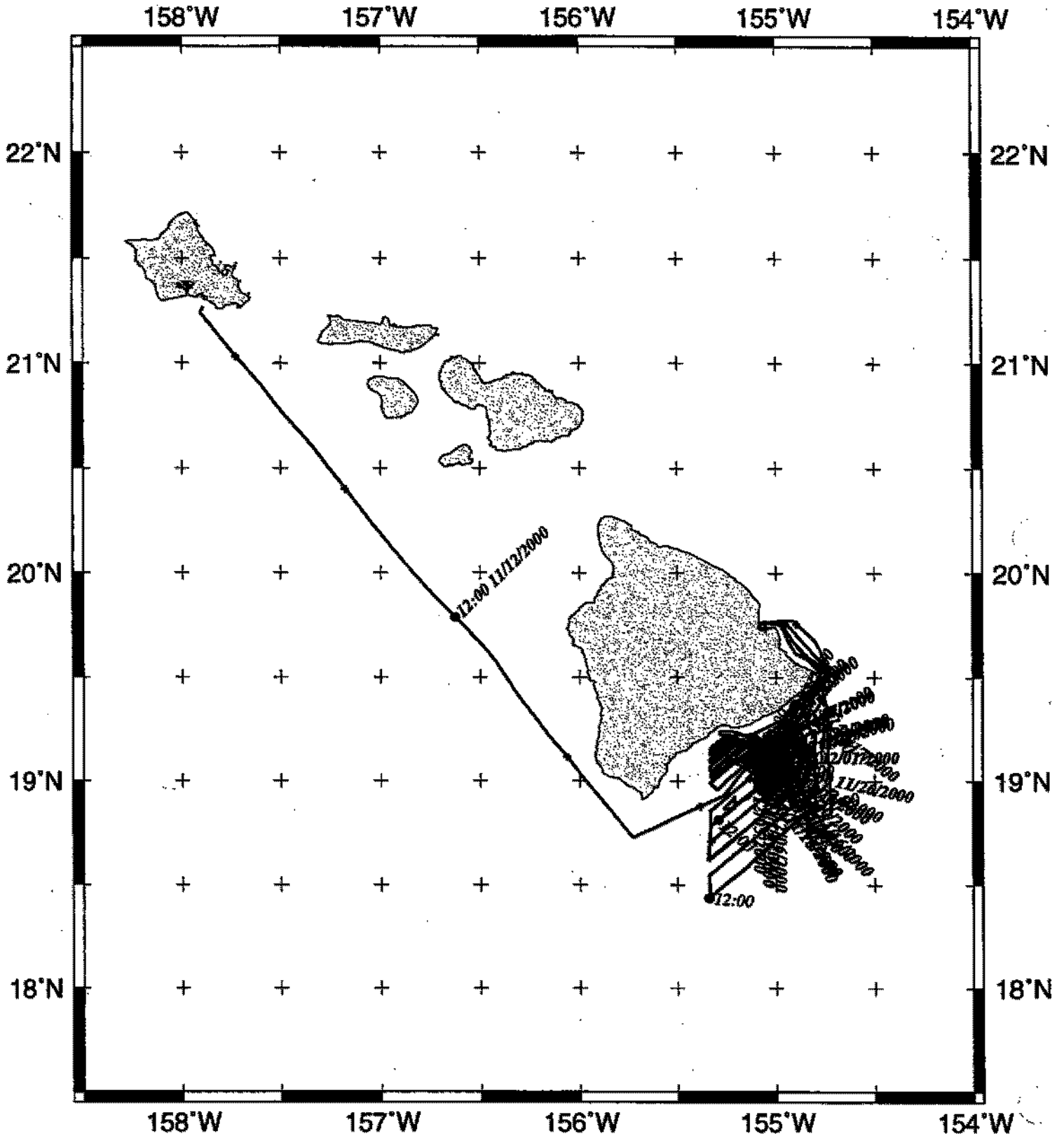
Bathymetry- 1177 miles

Seismic Reflection- none collected

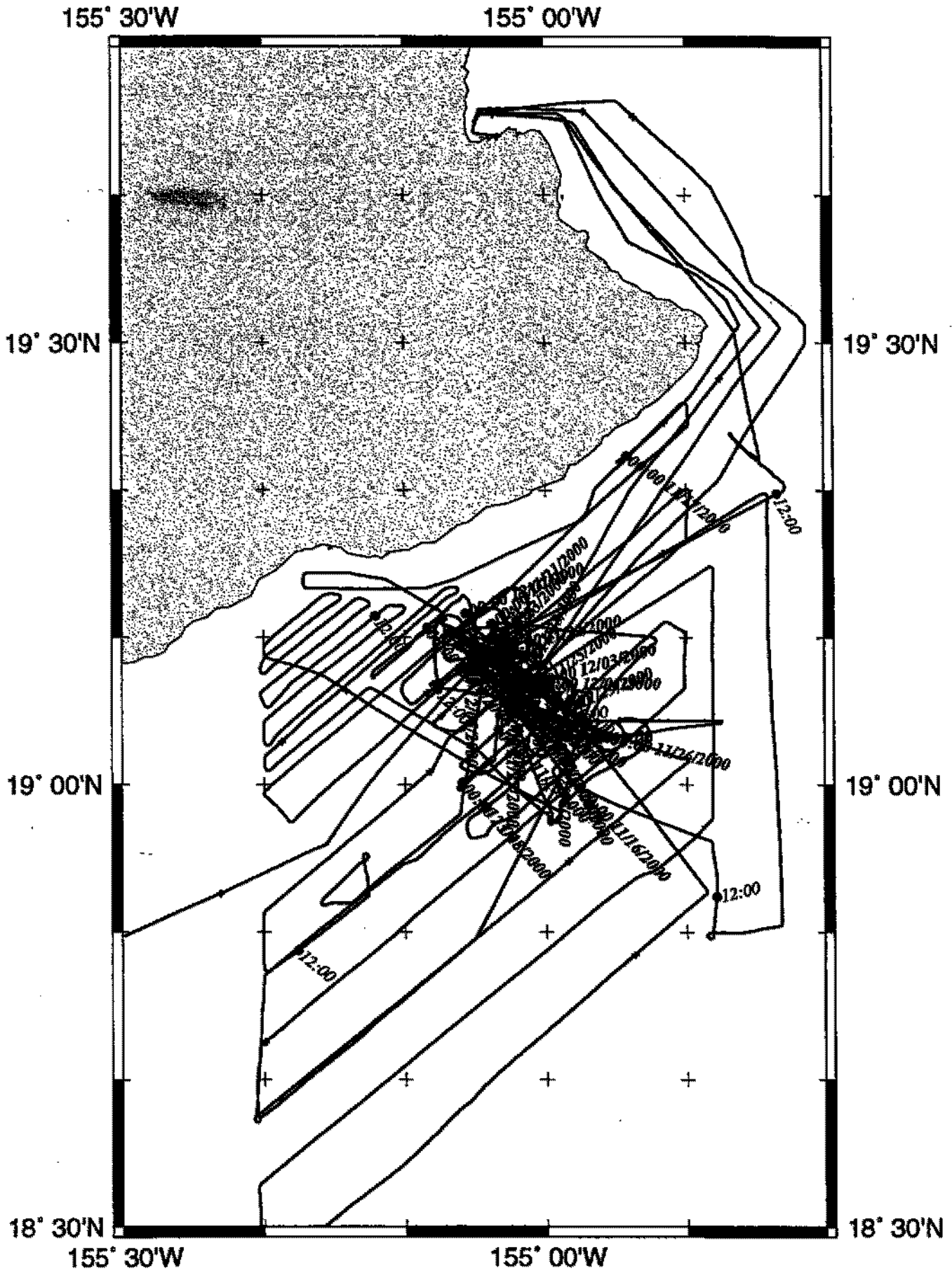
Sea Beam- 1177 miles

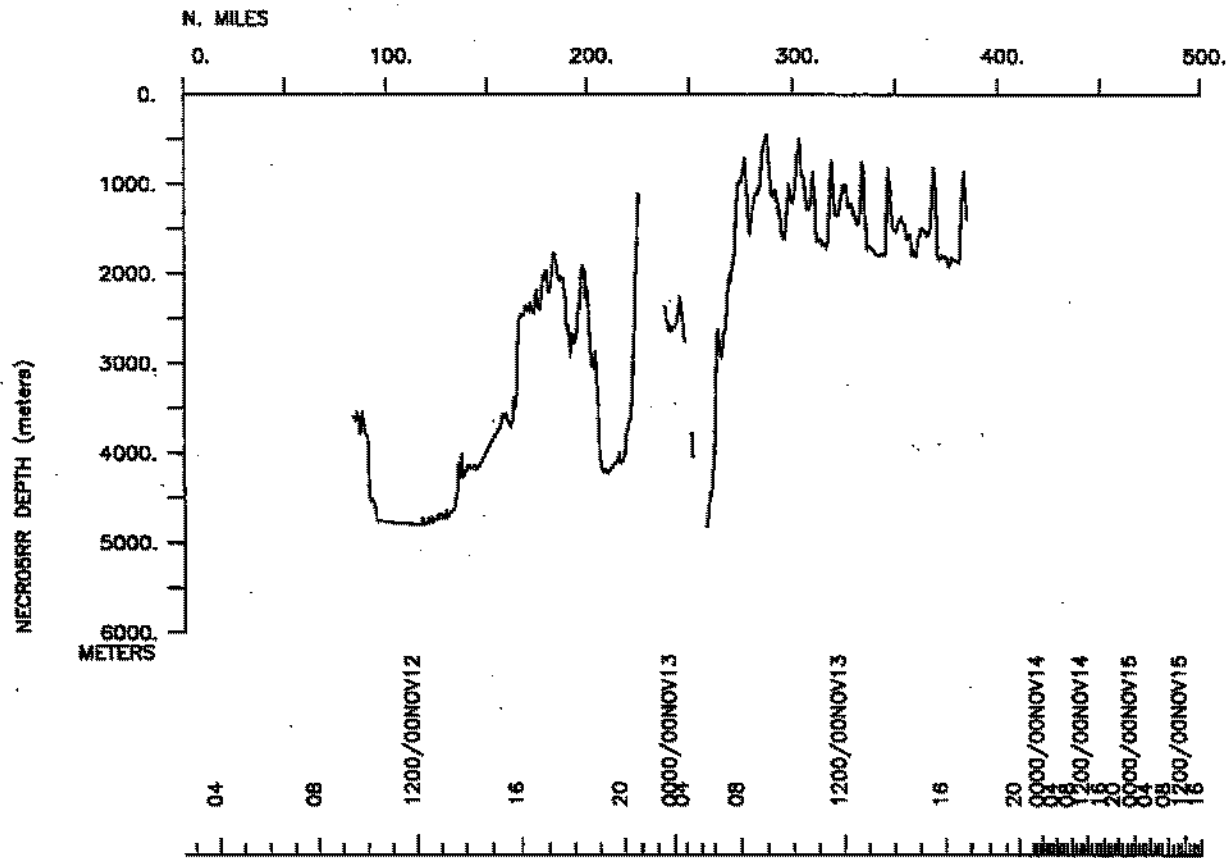
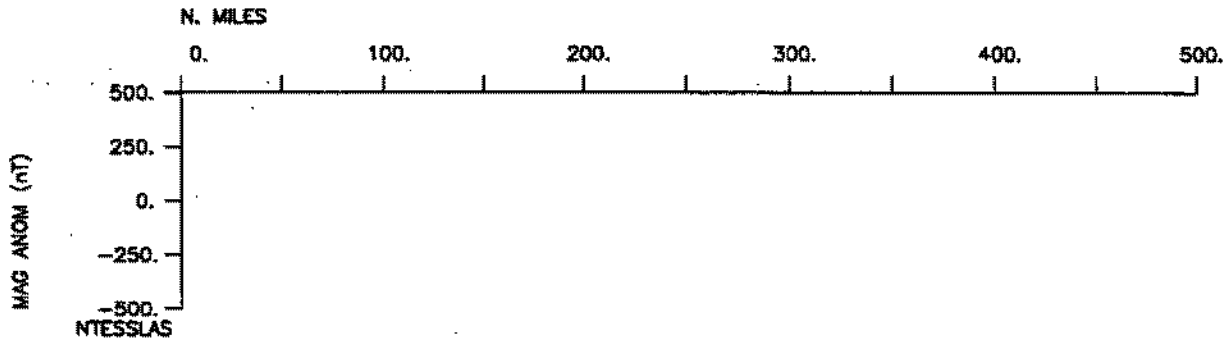
Gravity- none collected

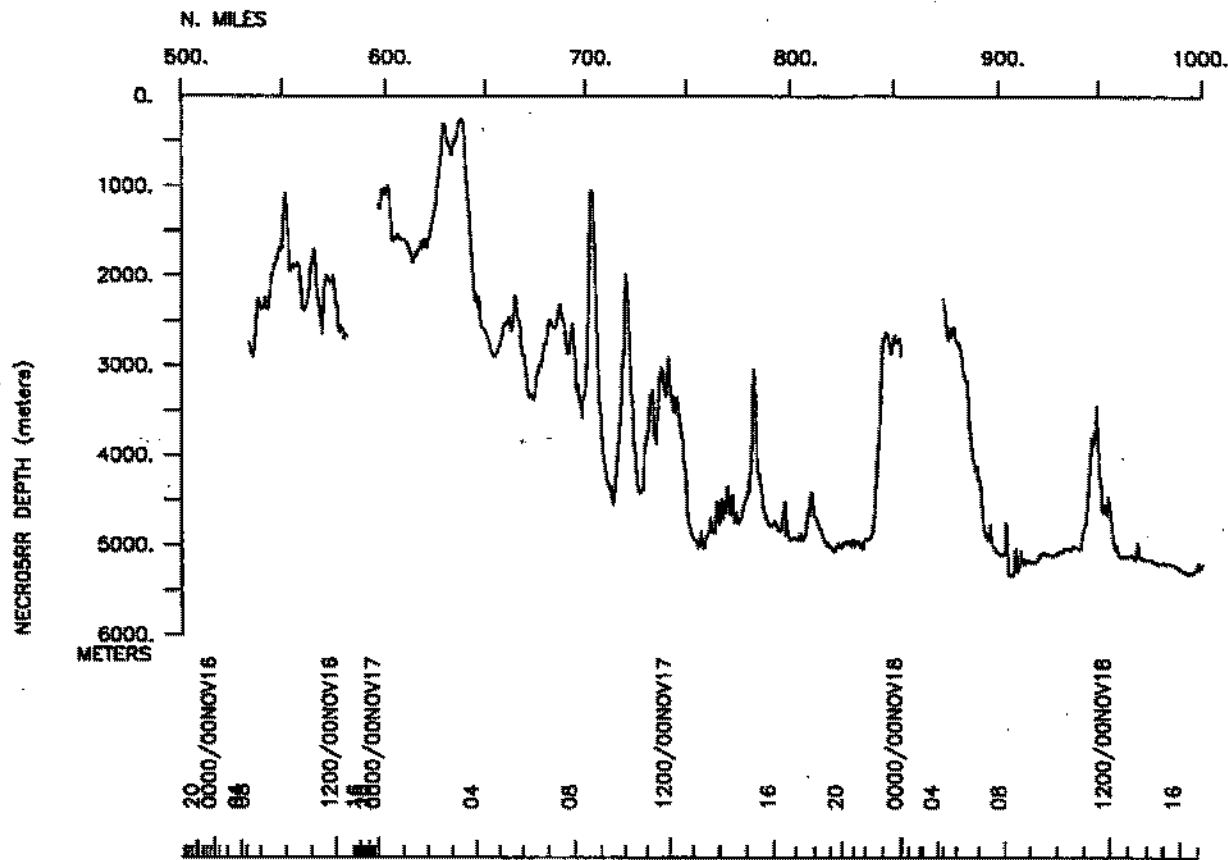
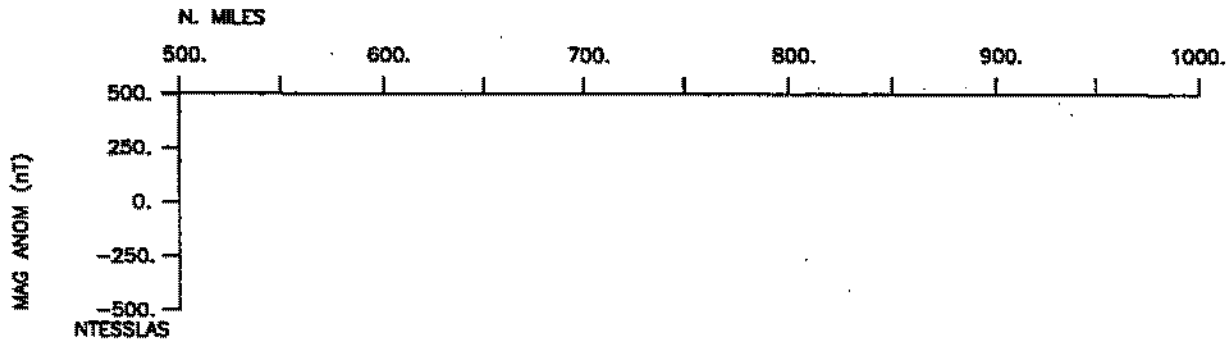
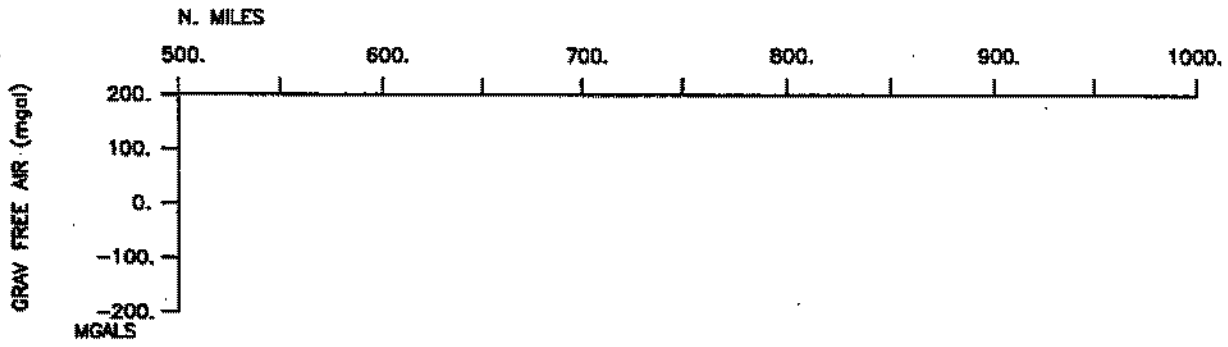
NECR leg 5 Track

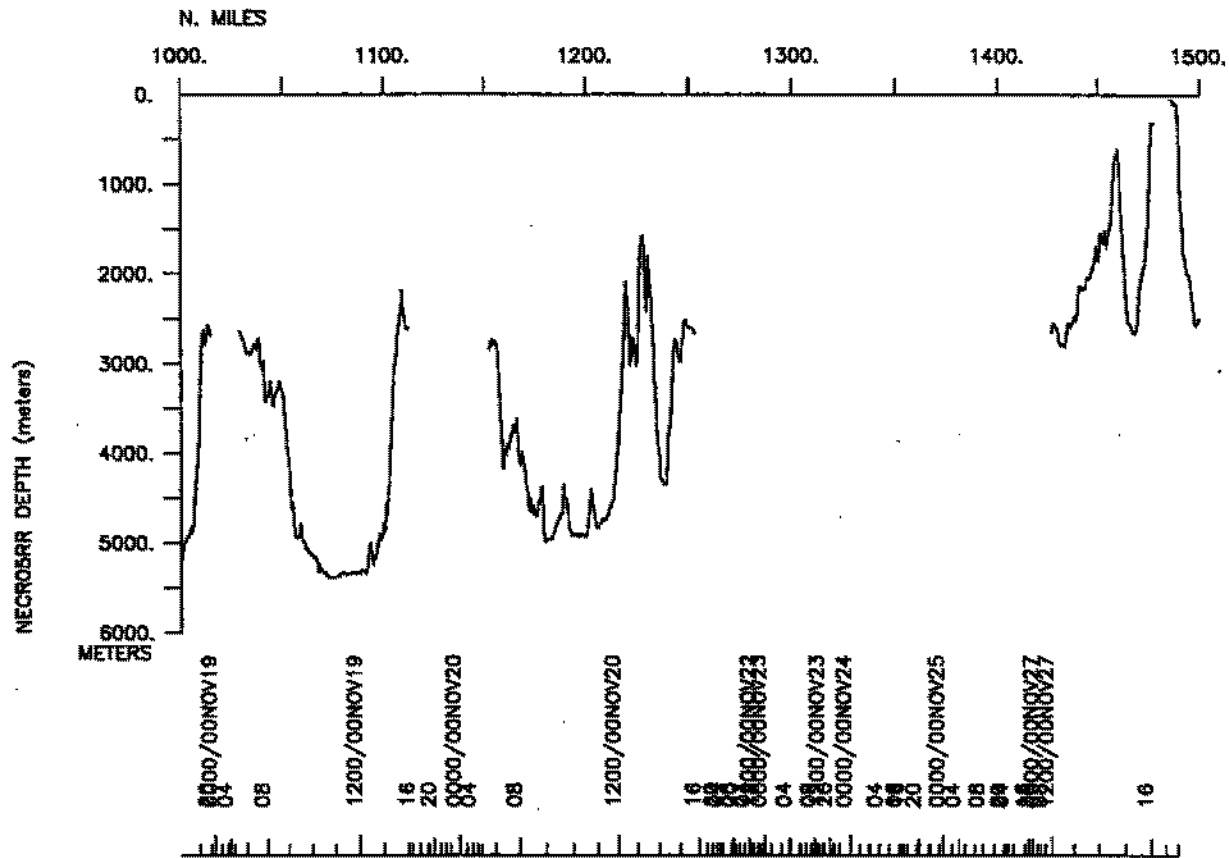
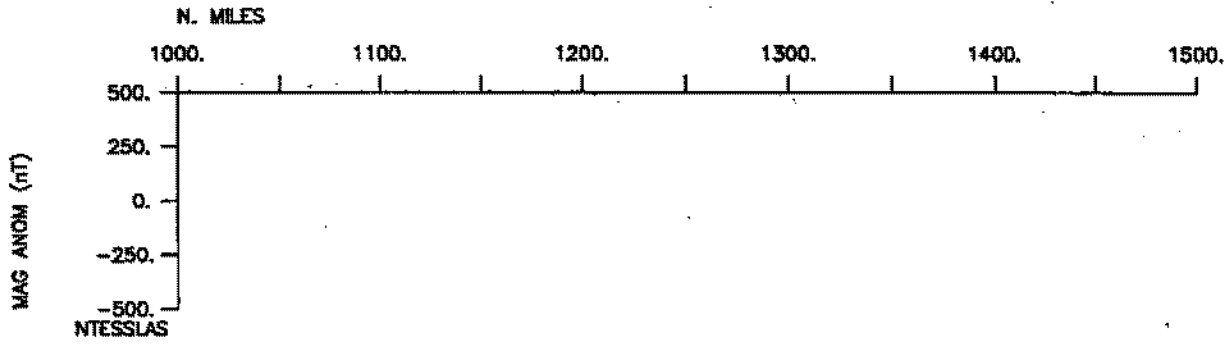
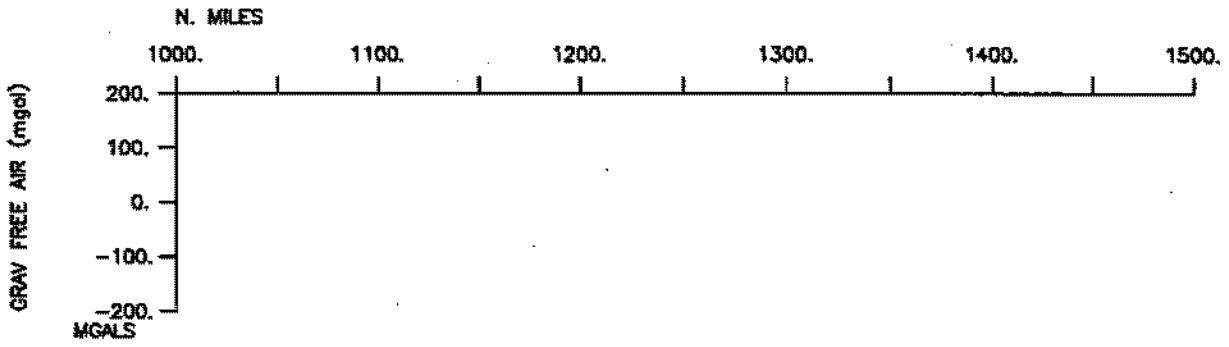


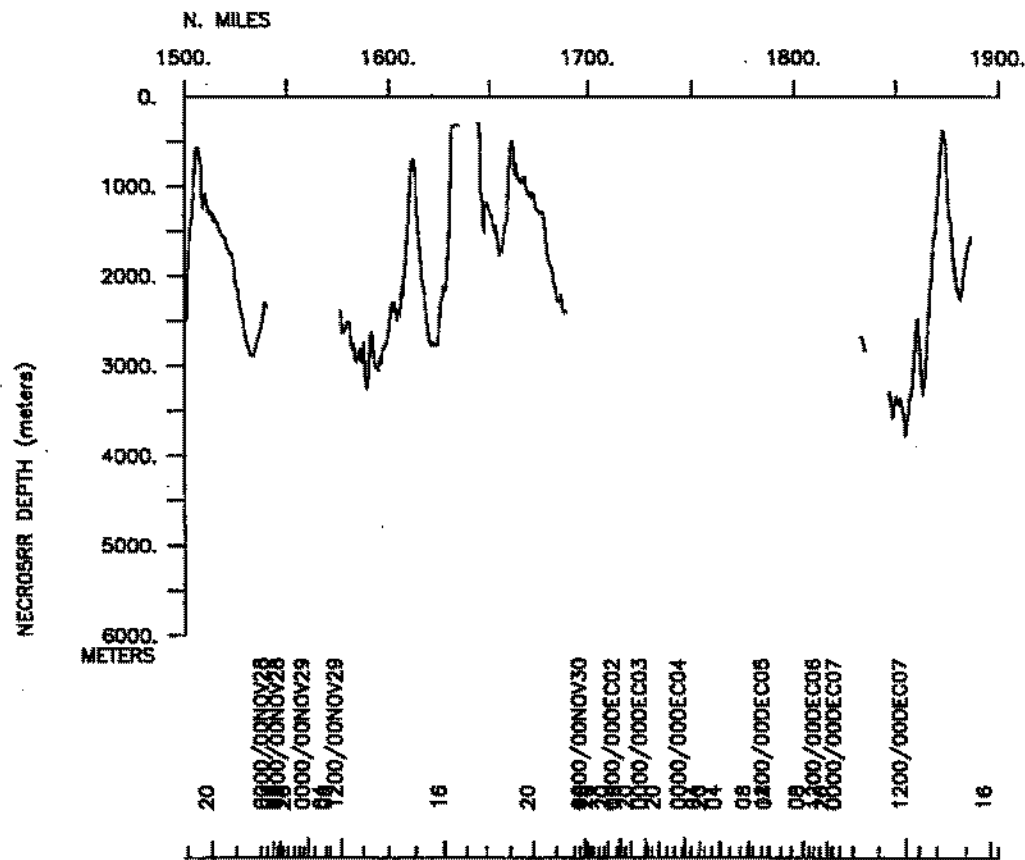
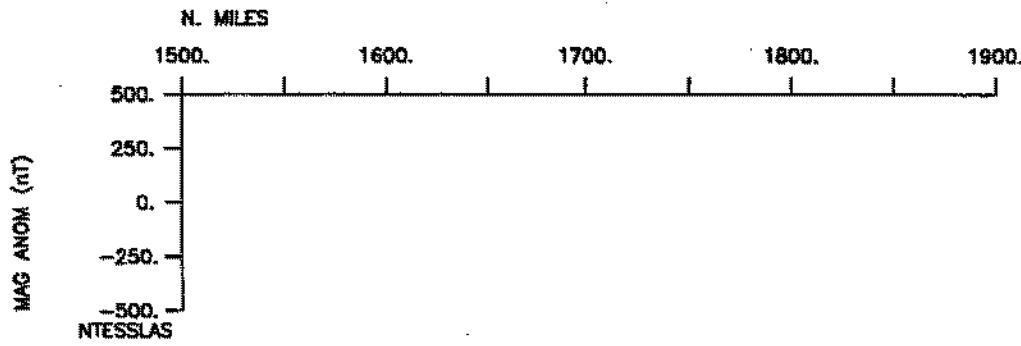
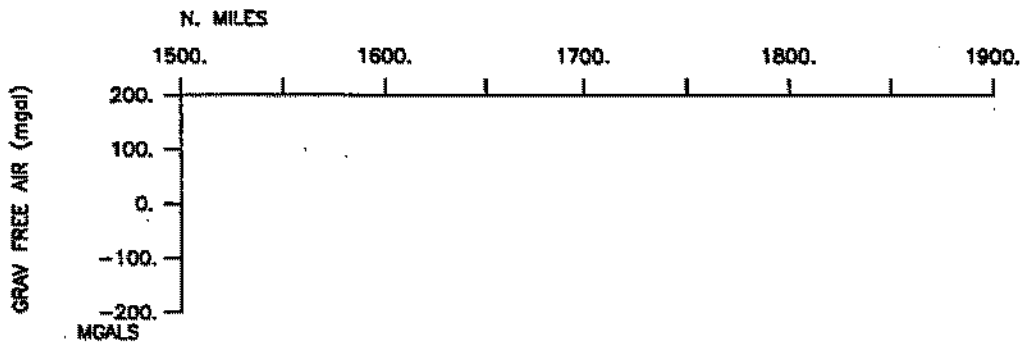
NECR leg 5 Survey











S.I.O. Sample Index

Northeast Circle Route Expedition

Leg 5

(NECR05RR)

R/V Revelle

(Issued March 2001)

PORTS:

Honolulu, Hawaii (12 November 2000)

to

Hilo, Hawaii (7 December 2000)

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. Geological Data Center 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 Geological Data Center.)

GDC Cruise ID# 294

**** PORTS ***

0233 121100 0 LGPT B Honolulu, Hawaii 21-18.00N 157-52.00W f NECR05RR
 1700 071200 0 LGPT E Hilo, Hawaii 19-44.00N 155-00.00W f NECR05RR

**** PERSONNEL ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS MPL	Hildebrand, John	Chief Scientist	Scripps Institution	NECR05RR
PESP MPL	Chadwell, Dave	Scientist	Scripps Institution	NECR05RR
PESP MPL	Zimmerman, Richard	Engineer	Scripps Institution	NECR05RR
PESP MPL	Jabson, Dave	Engineer	Scripps Institution	NECR05RR
PESP MPL	Friesema, Ed	Engineer	Scripps Institution	NECR05RR
PESP MPL	Price, Dave	Technician	Scripps Institution	NECR05RR
PESP FNC	Ballu, Valerie	Scientist	IGP, Paris	NECR05RR
PESP FNC	Ammann, Jerome	Scientist	IGP, Paris	NECR05RR
PESP JPN	Fujimoto, Hiromi	Scientist	Univ. of Tokyo	NECR05RR
PESP JPN	Osada, Yukihito	Scientist	Univ. of Tokyo	NECR05RR
PERT STS	Pillard, Gene	Resident tech	Scripps Institution	NECR05RR
PERT STS	Rusk, Steve	CTD Technician	Scripps Institution	NECR05RR
PECT STS	Jacobson, Dan	Computer tech	Scripps Institution	NECR05RR

**** 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 - Geological Data Center ext. 41899 *

**** Sea Beam Data ***

0929	121100	0	MBSR	B	v.beam&sidescan	GDC	20-09.96N	156-59.05W	g	NECR05RR
1516	071200	0	MBSR	E	v.beam&sidescan	GDC	19-42.30N	154-56.36W	g	NECR05RR

**** Integrated Meteorological Data Acquisition ***

0233	121100	0	IMET	B	weather data	GDC	21-15.90N	157-53.44W	g	NECR05RR
1700	071200	0	IMET	E	weather data	GDC	19-43.92N	155-03.26W	g	NECR05RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#-----										
#*** Conductivity, Temperature, Depth ***										
2058	121100	0	TDCT	B CTD #1 deployed	JF	MPL	18-56.01N	155-15.50W	g	NECR05RR
2200	121100	0	TDCT	E CTD #1 on deck	DFH	MPL	18-56.00N	155-15.50W	g	NECR05RR
2354	121100	0	TDCT	B CTD #2 deployed	DFH	MPL	19-08.25N	155-04.50W	g	NECR05RR
0145	131100	0	TDCT	E CTD #2 aboard	DH	MPL	19-08.25N	155-04.50W	g	NECR05RR
0241	131100	0	TDCT	B CTD #3 deployed	MS	MPL	19-04.02N	155-01.01W	g	NECR05RR
0443	131100	0	TDCT	E CTD #3 aboard	MS	MPL	19-04.00N	155-01.00W	g	NECR05RR
0730	211100	0	TDCT	B CTD #4 deployed	JF	MPL	19-09.20N	155-03.27W	g	NECR05RR
1922	231100	0	TDCT	E CTD #4 on deck	JF	MPL	19-09.18N	155-03.39W	g	NECR05RR
0724	241100	0	TDCT	B CTD #5 deployed	JF	MPL	19-07.35N	155-02.83W	g	NECR05RR
1724	241100	0	TDCT	E CTD #5 on deck	TD	MPL	19-07.23N	155-02.75W	g	NECR05RR
0704	251100	0	TDCT	B CTD #6 deployed	JF	MPL	19-09.17N	155-03.38W	g	NECR05RR
1657	251100	0	TDCT	E CTD #6 aboard	TD	MPL	19-09.19N	155-03.39W	g	NECR05RR
1532	261100	0	TDCT	B CTD #7 deployed	TD	MPL	19-09.19N	155-03.39W	g	NECR05RR
1851	261100	0	TDCT	E CTD #7 on deck	JF	MPL	19-09.19N	155-03.39W	g	NECR05RR
0634	271100	0	TDCT	B CTD #8 Deployed	JF	MPL	19-09.19N	155-03.39W	g	NECR05RR
1000	271100	0	TDCT	E CTD #8 Ondeck	DFH	MPL	19-09.19N	155-03.39W	g	NECR05RR
0835	281100	0	TDCT	B CTD #9 deployed	JF	MPL	19-04.94N	155-00.63W	g	NECR05RR
1653	281100	0	TDCT	E CTD #9 aboard	TD	MPL	19-04.94N	155-00.51W	g	NECR05RR
0458	291100	0	TDCT	B CTD #10 deployed	MS	MPL	19-09.85N	155-05.23W	g	NECR05RR
0005	301100	0	TDCT	E CTD #10 onboard	DFH	MPL	19-07.27N	155-02.90W	g	NECR05RR
1126	301100	0	TDCT	B CTD deployed	DFH	MPL	19-07.27N	155-02.89W	g	NECR05RR
1734	301100	0	TDCT	E CTD aboard	TD	MPL	19-07.27N	155-02.89W	g	NECR05RR
0419	011200	0	TDCT	B CTD deployed	MS	MPL	19-06.88N	155-00.85W	g	NECR05RR
1718	011200	0	TDCT	E CTD aboard	TD	MPL	19-06.88N	155-00.85W	g	NECR05RR
1928	011200	0	TDCT	B CTD deployed	MS	MPL	19-08.75N	155-04.96W	g	NECR05RR
1829	021200	0	TDCT	E CTD on deck	JF	MPL	19-04.94N	155-00.52W	g	NECR05RR
0035	051200	0	TDCT	B CTD deployed	DFH	MPL	19-09.75N	155-05.21W	g	NECR05RR
0447	061200	0	TDCT	E CTD aboard	MS	MPL	19-04.34N	154-58.70W	g	NECR05RR
0753	071200	0	TDCT	B CTD deployed	JF	MPL	19-11.60N	155-05.62W	g	NECR05RR
0916	071200	0	TDCT	E CTD on deck	JF	MPL	19-11.60N	155-05.62W	g	NECR05RR
#	End Sample Index									NECR05RR