

REPORT AND INDEX OF
UNDERWAY MARINE GEOPHYSICAL DATA

HAHNARO EXPEDITION

LEG 6

(HNRO06RR)

R/V Revelle

(Issued August 1999)

Ports:

Pusan, South Korea (6 June 1999)

to

Pusan, South Korea (15 June 1999)

Chief Scientist:

Dennis Watts, University of Rhode Island
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Computer Technician - Dan Jacobson
Resident Marine Technician - Tammy Koonce

Post-Cruise Processing and Report Preparation by the
Geological Data Center, Scripps Institution of Oceanography
La Jolla, California 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 I.D.# 285

**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.

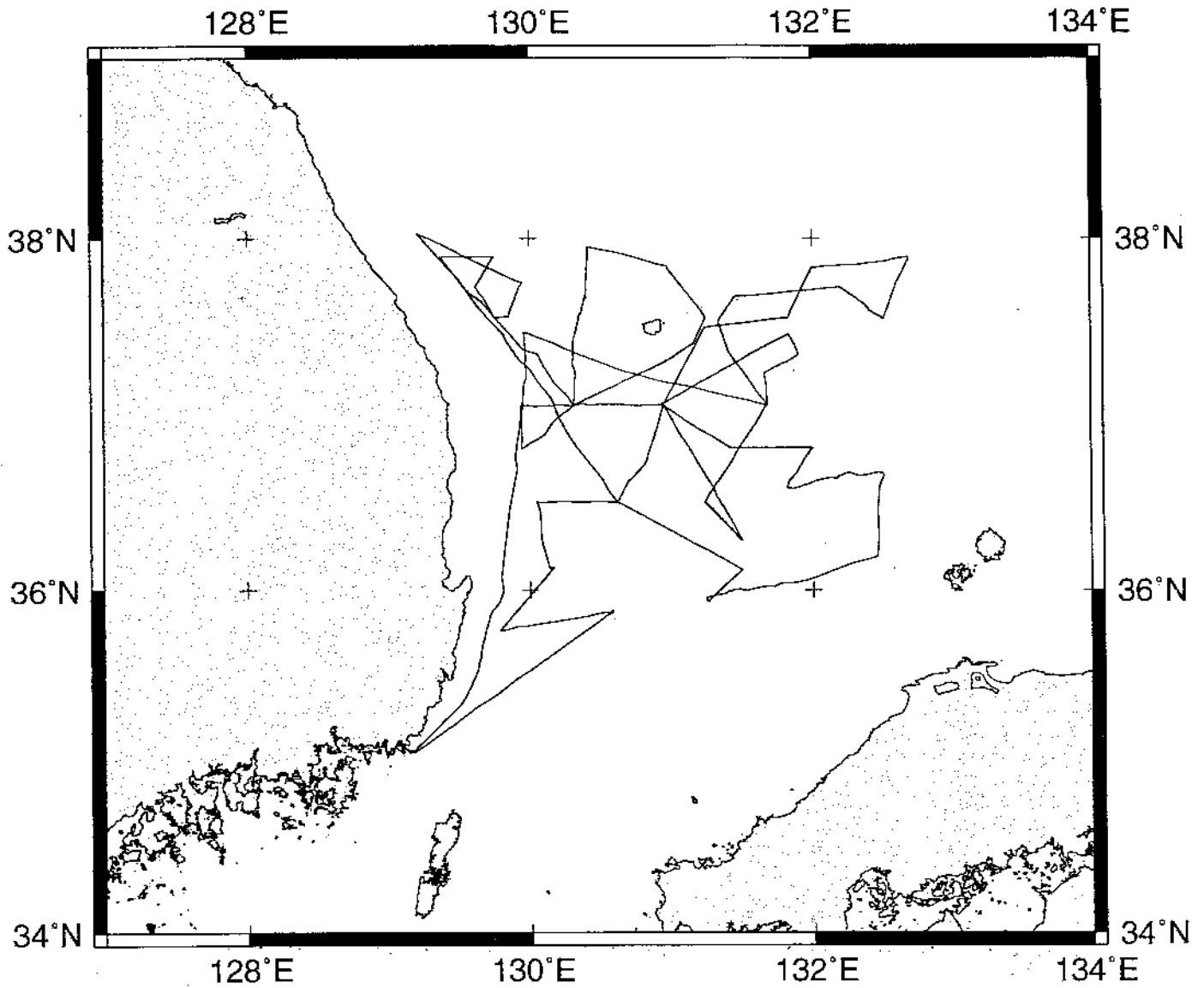
NOTE: One or more of the underway data types may not be collected on a given leg. For information on the availability and reproduction costs of data in the following forms, contact S.M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0223. Phone: (619)534-2752, FAX: (619)534-6500, Internet email: ssmith@ucsd.edu

1. Files via ftp or on 8mm (Exabyte) and 4mm (DAT) magnetic tape:
 - 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 (35 mm flowfilm) or hard copies of:
 - a) Underway watch log book.
 - b) SeaBeam vertical beam profile/Sidescan records.
 - c) 3.5 kHz and 12 kHz echosounder records.
 - d) Seismic reflection profiler records.

3. Navigation listing with times and positions of fixes and course and speed changes.

4. Custom plots in Mercator projection:
 - a) Track plots.
 - b) SeaBeam depth contour plots.
 - c) Depth, magnetic or gravity values printed or profiled along track.



HAHNARO EXPEDITION LEG 6 (HNRO06RR)

CHIEF SCIENTIST: Dennis Watts, Univ. of Rhode Island

PORTS: Pusan - Pusan, South Korea

DATES: 6 - 15 June 1999

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 1755 miles

Magnetics - none collected

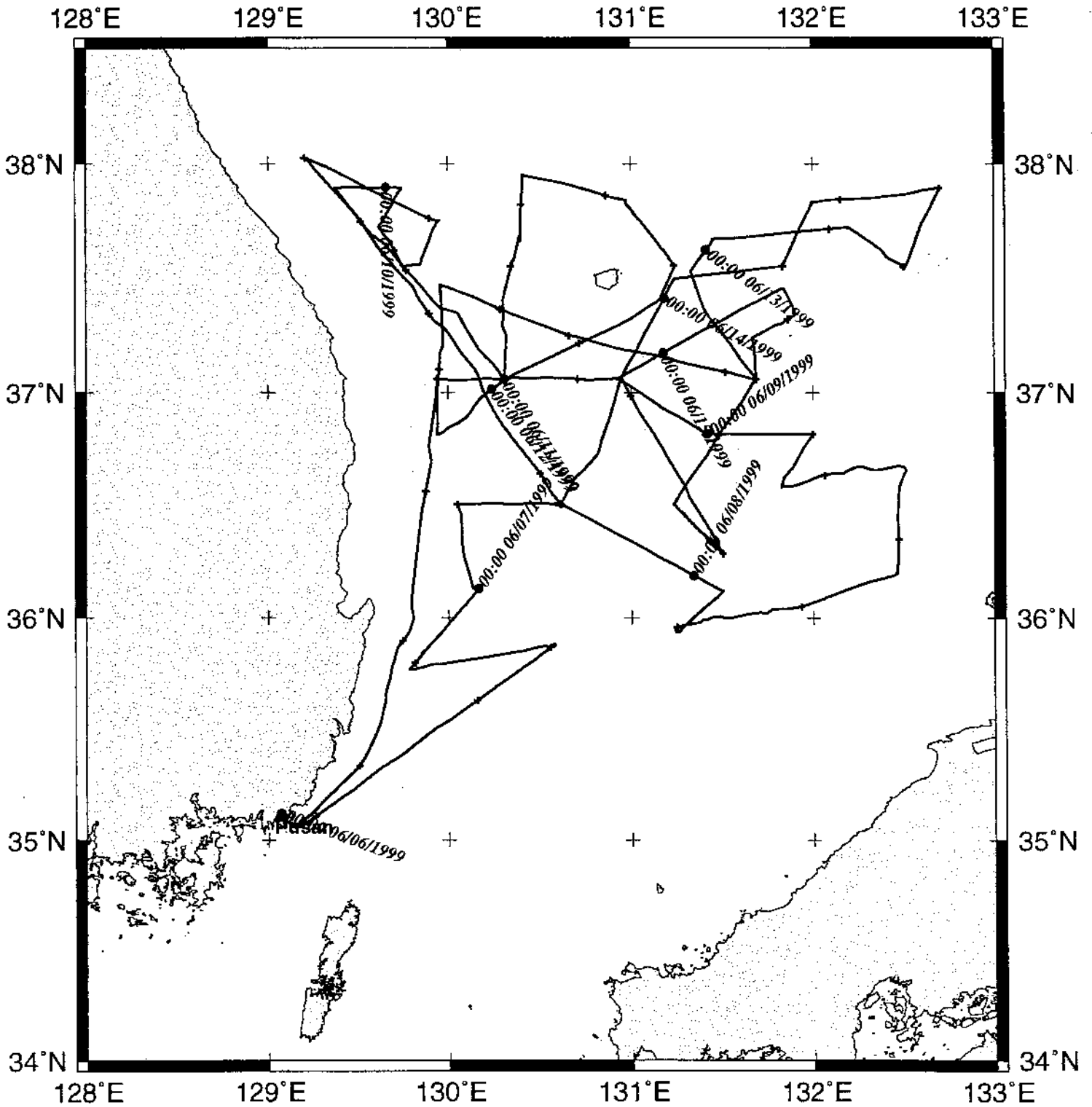
Bathymetry - 1485 miles

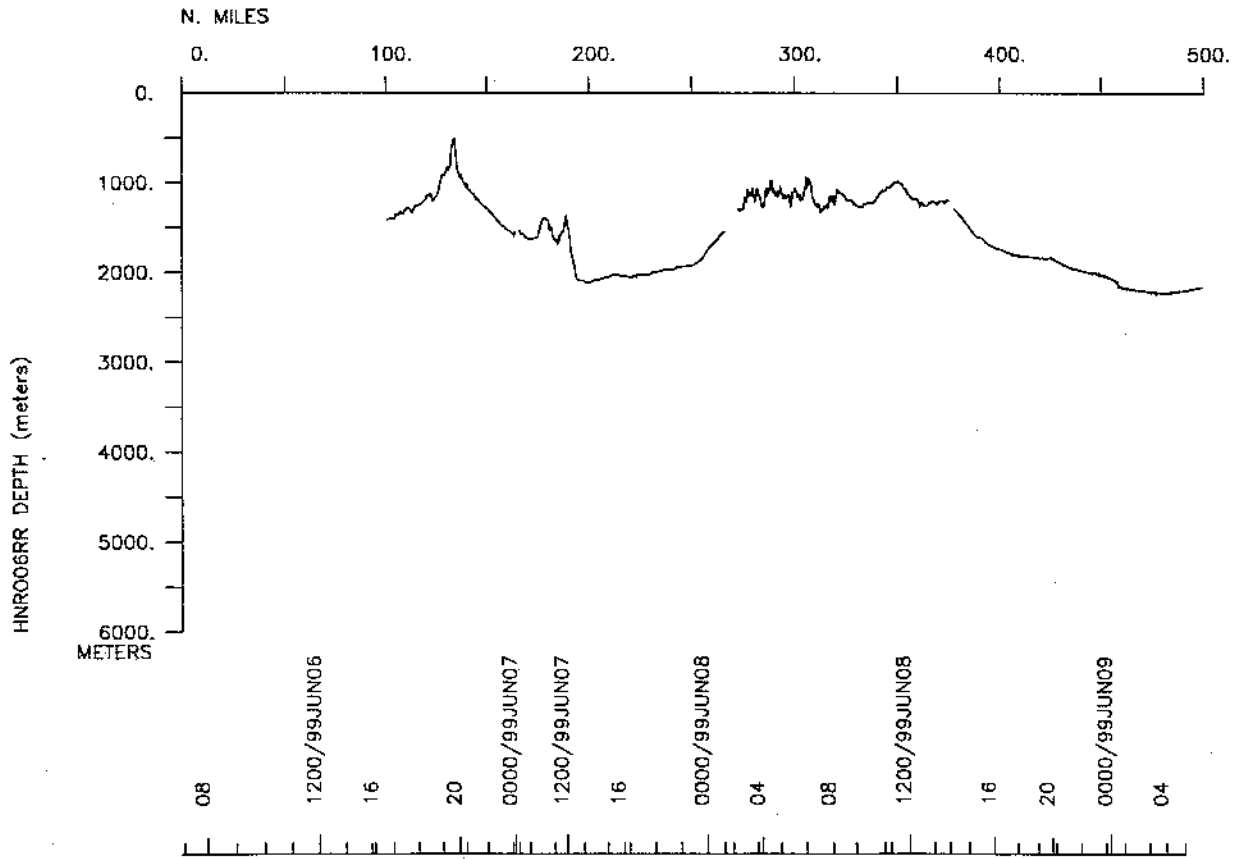
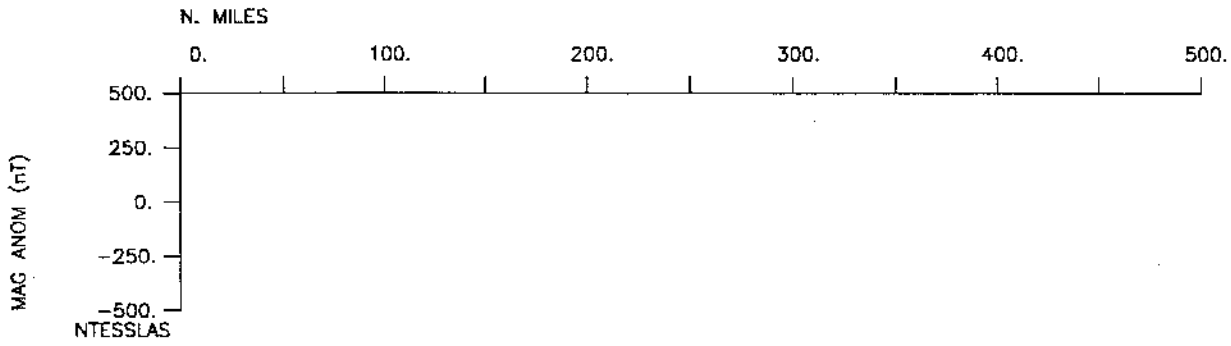
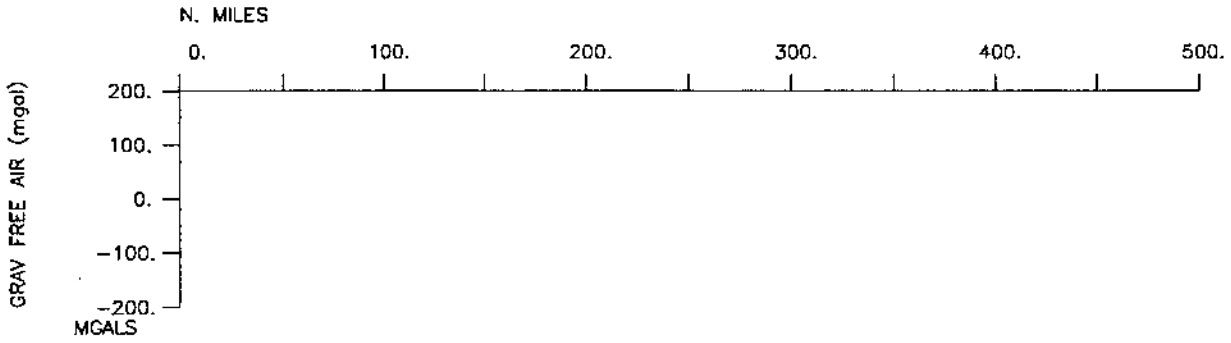
Seismic Reflection - none collected

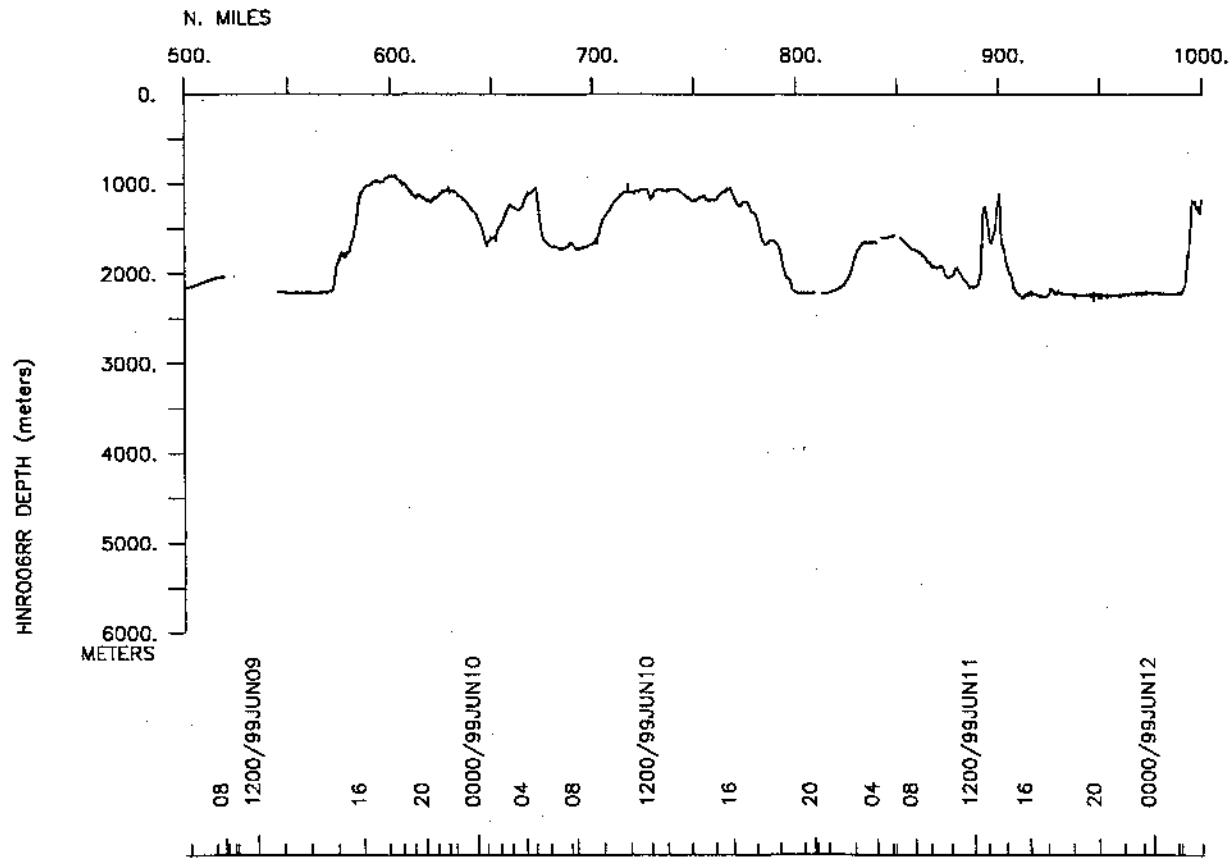
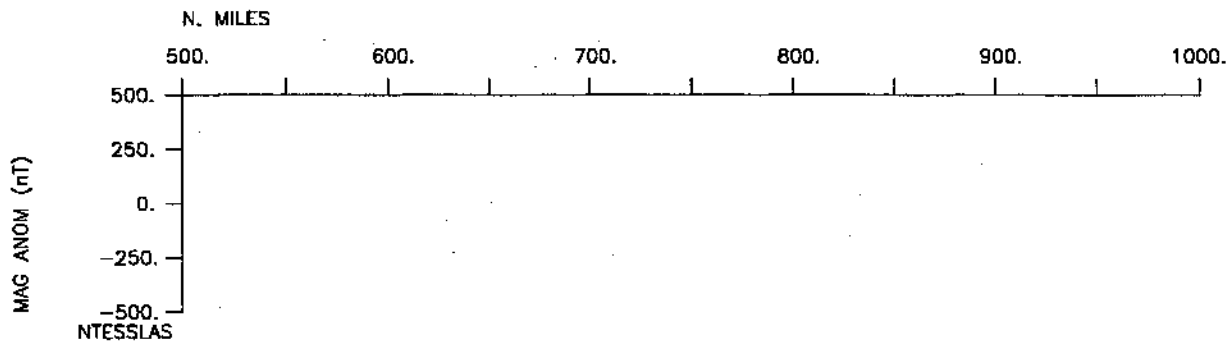
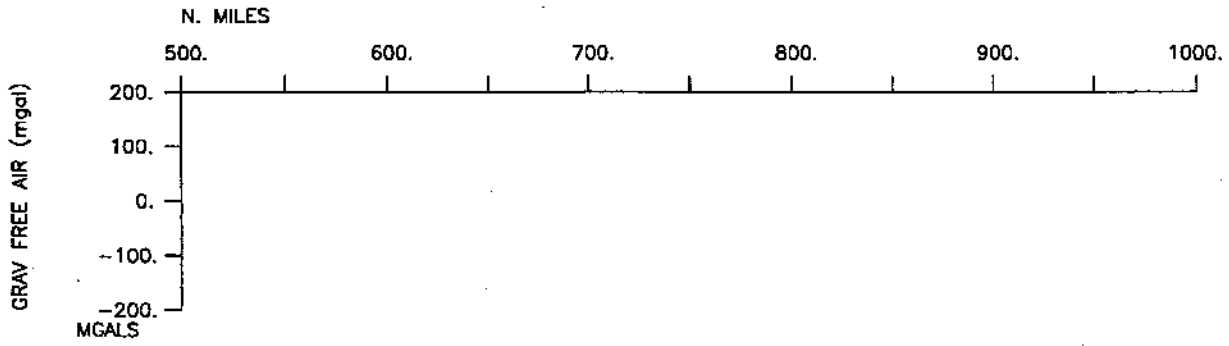
Sea Beam - 1485 miles

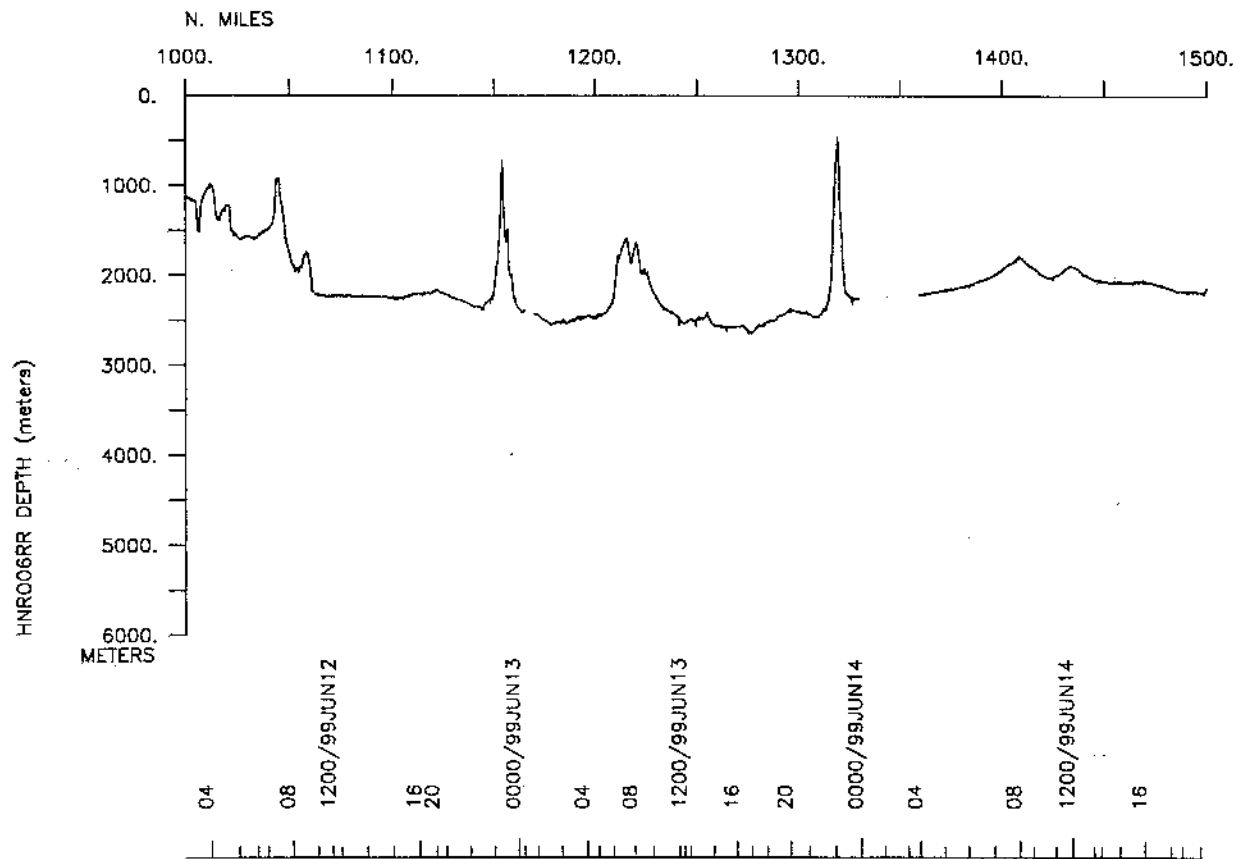
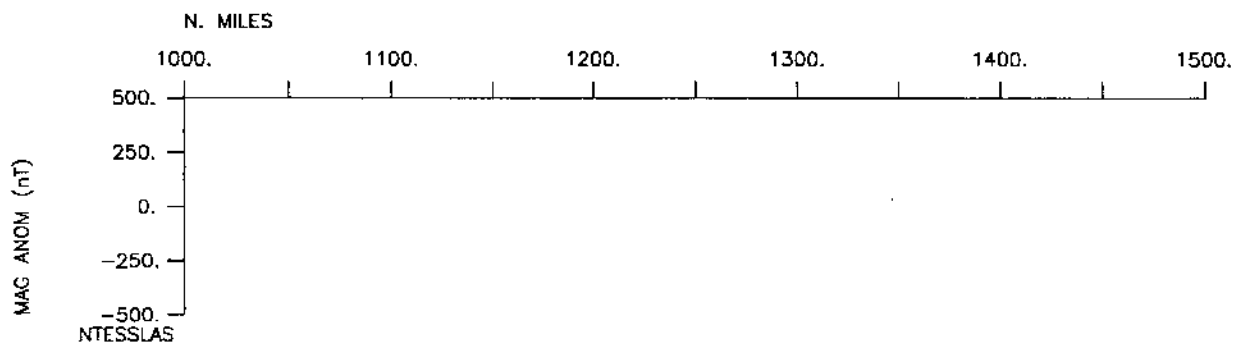
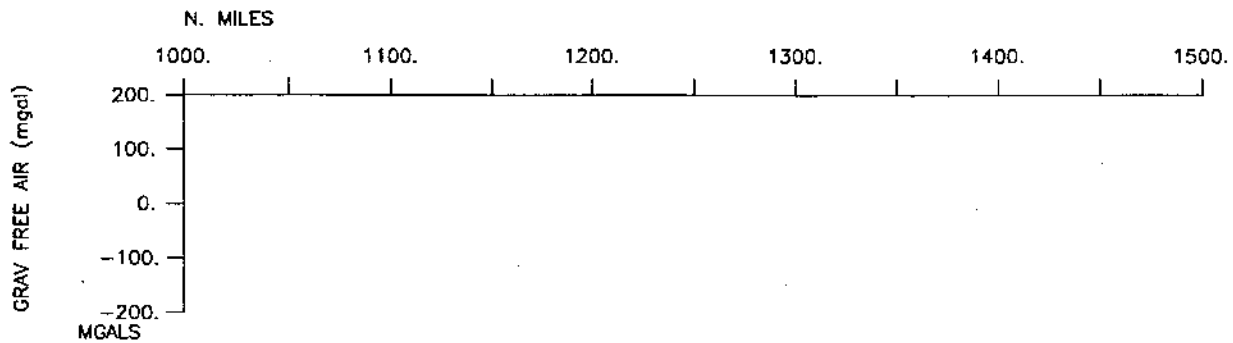
Gravity - none collected

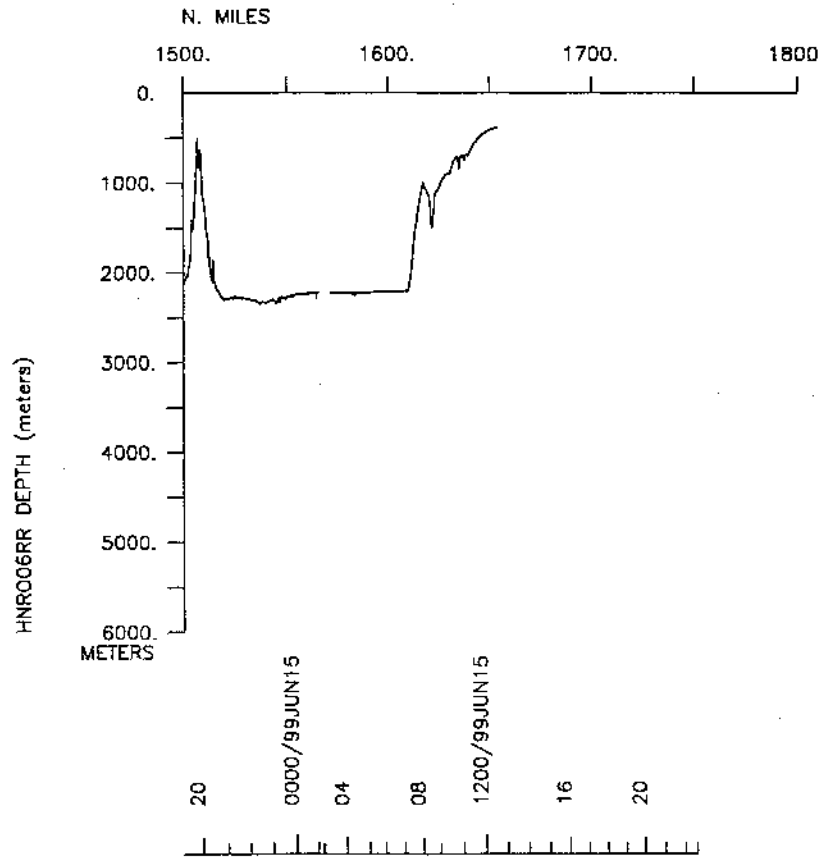
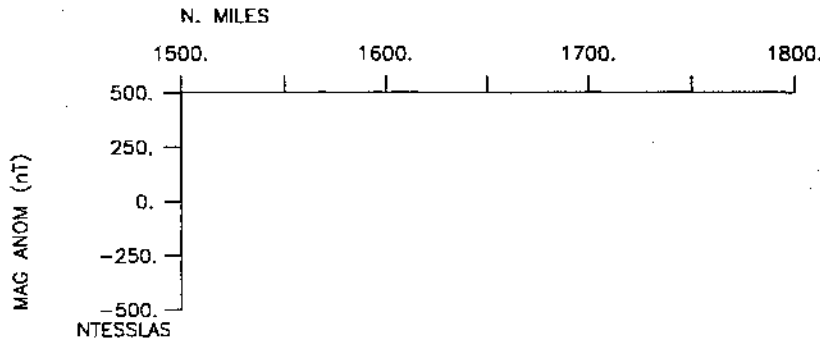
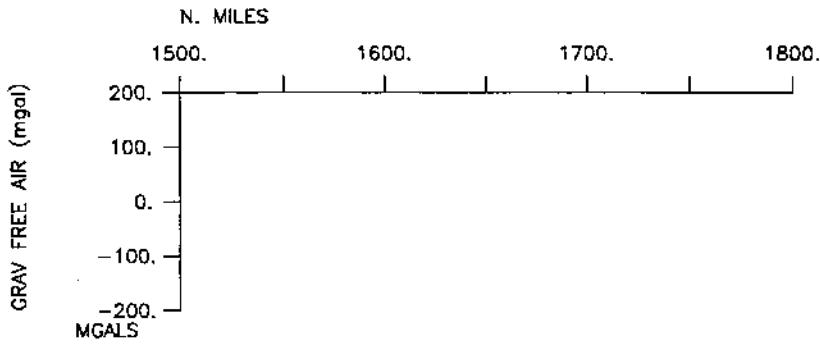
HAHNARO Leg 6 Track











S.I.O. SAMPLE INDEX

HAHNARO EXPEDITION

LEG 6

(HNRO06RR)

R/V Revelle

(Issued August 1999)

Ports:

Pusan, South Korea (6 June 1999)

to

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Chief Scientist:

Dennis Watts, University of Rhode Island

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 I.D.# 285

**** Ports ***

```
0600 060699    LGPT B Pusan, South Korea   GDC  35-06.00N 129-03.00E f HNRO06RR
2350 150699    LGPT E Pusan, South Korea   GDC  35-06.00N 129-03.00E f HNRO06RR
```

**** Personnel ***

```
# *****NAME***** *****TITLE***** *****AFFILIATION***** **CRID**
#-----#-----#-----#-----#-----#-----#-----#-----#-----#-----#
PECS URI Watts,R. Chief Scientist Univ. of Rhode Is. HNRO06RR
PESP URI Wimbush,A. Sr. Scientist Univ. of Rhode Is. HNRO06RR
PESP URI Chaplin,G. Engineer Univ. of Rhode Is. HNRO06RR
PESP URI Mulrone,y,M. Technician Univ. of Rhode Is. HNRO06RR
PESP URI Orvosh,T. Technician Univ. of Rhode Is. HNRO06RR
PESP SIX Teague,W. Scientist Naval Research Lab. HNRO06RR
PEST URI Book,J. Grad. Student Univ. of Rhode Is. HNRO06RR
PEST URI Mitchell,D. Grad. Student Univ. of Rhode Is. HNRO06RR
PEST URI Kadota,M. Student Univ. of Rhode Is. HNRO06RR
PESP SIX Suk,M. Sr. Scientist KORDI, So. Korea HNRO06RR
PESP SIX Kim,B. Scientist KORDI, So. Korea HNRO06RR
PESP SIX Lee,D. Scientist KORDI, So. Korea HNRO06RR
PESP JPN Uchida,H. Scientist Japan Science&Tech HNRO06RR
PESP JPN Shimizu,M. Scientist Hokkaido Univ. HNRO06RR
PEST SIX Jarosz,E. Grad. Student Louisiana State Un. HNRO06RR
PECT SCG Jacobson,D. Computer tech Scripps Institution HNRO06RR
PERT STS Koonce,T. Resident Tech Scripps Institution HNRO06RR
```

**** 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 - S.M.Smith/Geological Data Center ext. 42752 ***
```

**** Sea Beam Data (vertical beam and side scan) ***

```
1642 060699 0 MBSR B v.beam&sidescan GDC 35-51.52N 130-27.06E g HNRO06RR
1234 150699 0 MBSR E v.beam&sidescan GDC 36-27.86N 129-51.23E g HNRO06RR
```

**** Acoustic Doppler Current Profiler ***

```
0600 060699 0 ADCP B Acoustic Doppler GDC 35-07.18N 129-04.24E g HNRO06RR
2350 150699 0 ADCP E Current Profiler GDC 35-07.18N 129-04.24E g HNRO06RR
```

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

*** Integrated Meteorological Acquisition System ***

0600	060699	0	IMET	B Weather data	GDC	35-07.18N	129-04.24E	g	HNRO06RR
2350	150699	0	IMET	E Weather data	GDC	35-07.18N	129-04.24E	g	HNRO06RR

*** Expendable Bathythermographs ***

0600	060699	0	BTXP	B 22 xbts	URI	35-07.18N	129-04.24E	g	HNRO06RR
2350	150699	0	BTXP	E 22 xbts	URI	35-07.18N	129-04.24E	g	HNRO06RR

*** Depth Recorder - Free Vehicle ***

1420	060699	0	DPXX	Invert Echosndr P5-2	URI	35-52.00N	130-34.03E	g	HNRO06RR
2026	060699	0	DPXX	P5-1	URI	35-50.26N	129-51.51E	g	HNRO06RR
1140	070699	0	DPXX	P4-	URI	36-30.30N	130-03.03E	g	HNRO06RR
1905	070699	0	DPXX	P4-2	URI	36-30.30N	130-37.32E	g	HNRO06RR
0345	080699	0	DPXX	PIE P5-3	URI	35-57.50N	131-15.01E	g	HNRO06RR
0718	080699	0	DPXX	Pies P5-4	URI	36-03.00N	131-55.98E	g	HNRO06RR
1028	080699	0	DPXX	Pies P5-5	URI	36-11.99N	132-27.60E	g	HNRO06RR
1342	080699	0	DPXX	Pies P4-5	URI	36-40.30N	132-30.00E	g	HNRO06RR
1705	080699	0	DPXX	Pies P4-4	URI	36-35.32N	131-49.96E	g	HNRO06RR
0251	090699	0	DPXX	Pies P3-	URI	37-03.40N	130-56.40E	g	HNRO06RR
0032	100699	0	DPXX	Pies P1-2	URI	37-53.71N	129-45.01E	g	HNRO06RR
0448	100699	0	DPXX	Pies P2-1	URI	37-33.20N	129-45.01E	g	HNRO06RR
1056	100699	0	DPXX	Pies P1-1	URI	38-01.50N	129-12.01E	g	HNRO06RR
2209	100699	0	DPXX	Pies P3-2	URI	37-03.40N	130-18.72E	g	HNRO06RR
0358	110699	0	DPXX	Pies P2-2	URI	37-33.20N	130-21.01E	g	HNRO06RR
0847	110699	0	DPXX	Pies P1-3	URI	37-57.00N	130-24.99E	g	HNRO06RR
1258	110699	0	DPXX	Pies P1-4	URI	37-49.72N	130-58.38E	g	HNRO06RR
1610	110699	0	DPXX	Pies P2-3	URI	37-33.20N	131-14.57E	g	HNRO06RR
0702	130699	0	DPXX	Pies P2-5	URI	37-33.20N	132-30.00E	g	HNRO06RR
1027	130699	0	DPXX	Pies P1-6	URI	37-53.69N	132-42.01E	g	HNRO06RR
1650	130699	0	DPXX	P1-5	URI	37-50.00N	132-00.02E	g	HNRO06RR
2011	130699	0	DPXX	Pies P2-4	URI	37-33.21N	131-49.98E	g	HNRO06RR
1325	140699	0	DPXX	Pies P3-4	URI	36-30.30N	131-13.98E	g	HNRO06RR
0820	150699	0	DPXX	Pies P3-1	URI	37-03.40N	129-56.40E	g	HNRO06RR

*** Anchored Bottom Current Meters ***

0859	070699	0	CMAB	Current Meter M4-1	URI	36-07.70N	130-08.70E	g	HNRO06RR
0106	080699	0	CMAB	M4-3S	URI	36-07.00N	131-30.02E	g	HNRO06RR
2023	080699	0	CMAB	M3-4	URI	36-49.01N	132-00.00E	g	HNRO06RR
2345	080699	0	CMAB	M3-3	URI	36-48.99N	131-25.00E	g	HNRO06RR
0251	100699	0	CMAB	M1-1	URI	37-43.46N	129-37.05E	g	HNRO06RR
0713	100699	0	CMAB	M1-2	URI	37-45.00N	129-57.00E	g	HNRO06RR
0640	110699	0	CMAB	MI3W	URI	37-39.84N	130-23.99E	g	HNRO06RR
0133	120699	0	CMAB	M3-1E	URI	36-51.65N	130-03.04E	g	HNRO06RR
0605	120699	0	CMAB	M2-1N	URI	37-28.20N	129-57.62E	g	HNRO06RR
1008	120699	0	CMAB	Mooring M2-2	URI	37-14.93N	130-39.91E	g	HNRO06RR
0056	130699	0	CMAB	M1-4	URI	37-40.00N	131-27.00E	g	HNRO06RR
0450	130699	0	CMAB	M1-5	URI	37-43.43N	132-11.88E	g	HNRO06RR
0852	140699	0	CMAB	Mooring M4-3N	URI	36-16.92N	131-29.98E	g	HNRO06RR

#				End Sample Index					HNRO06RR
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