

REPORT AND INDEX OF
UNDERWAY MARINE GEOPHYSICAL DATA

HAHNARO EXPEDITION

LEG 12

(HNRO12RR)

R/V Revelle

(Issued February 2000)

Ports:

Pusan, South Korea (09 October 1999)

to

Pusan, South Korea (22 October 1999)

Chief Scientist:

Henry Perkins, Naval Research Lab.
email: hperkins@nrissc.navy.mil

Computer Technician - Ron Moe
Resident Marine Technician - Gene Pillard

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.

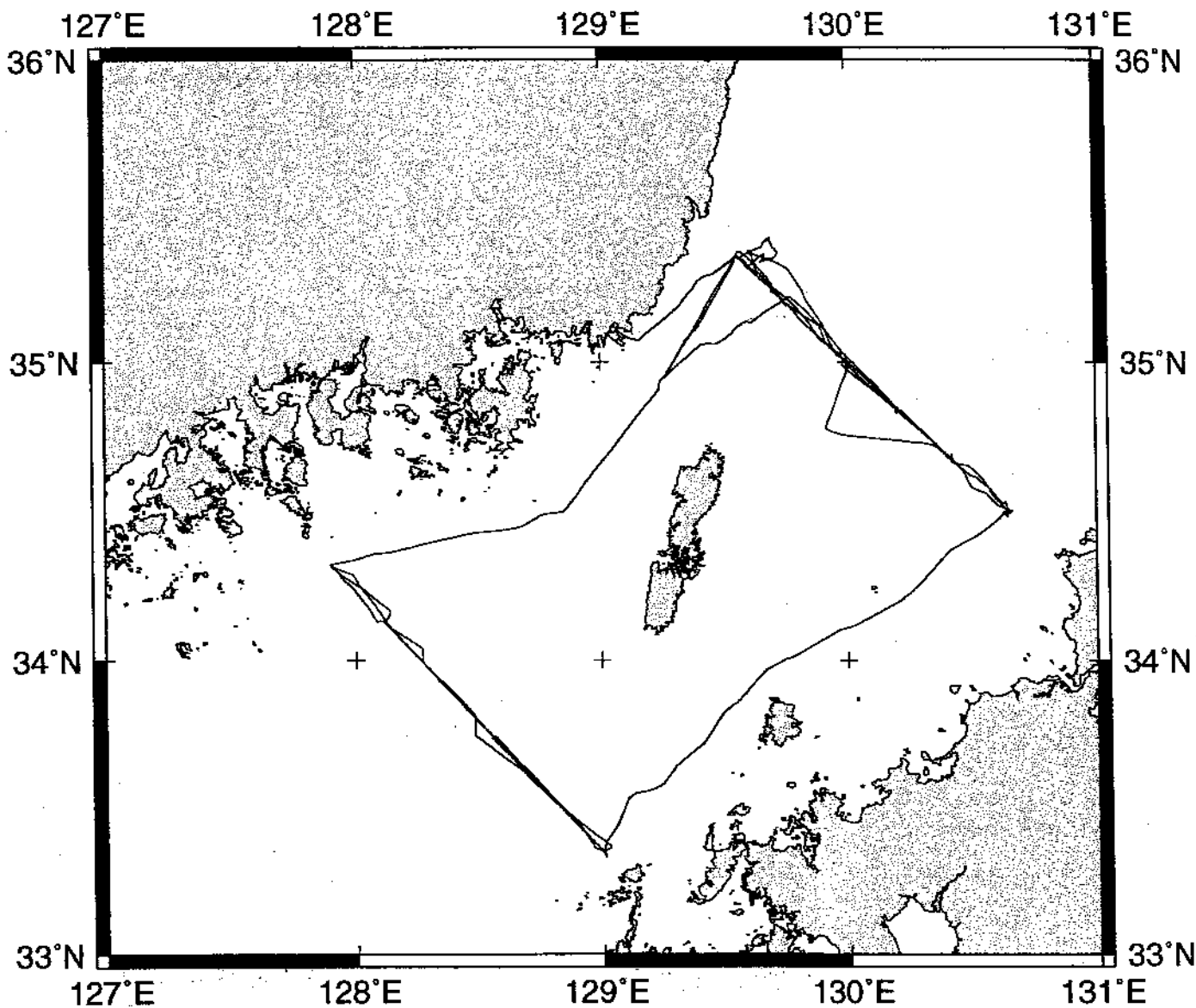
NOTE: One or more of the underway data types may not be collected on a given leg. For information on the availability and reproduction costs of data in the following forms, contact S.M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0223. Phone: (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 12 (HNRO12RR)

CHIEF SCIENTIST: Henry Perkins, Naval Research Lab.

PORTS: Pusan - Pusan, South Korea

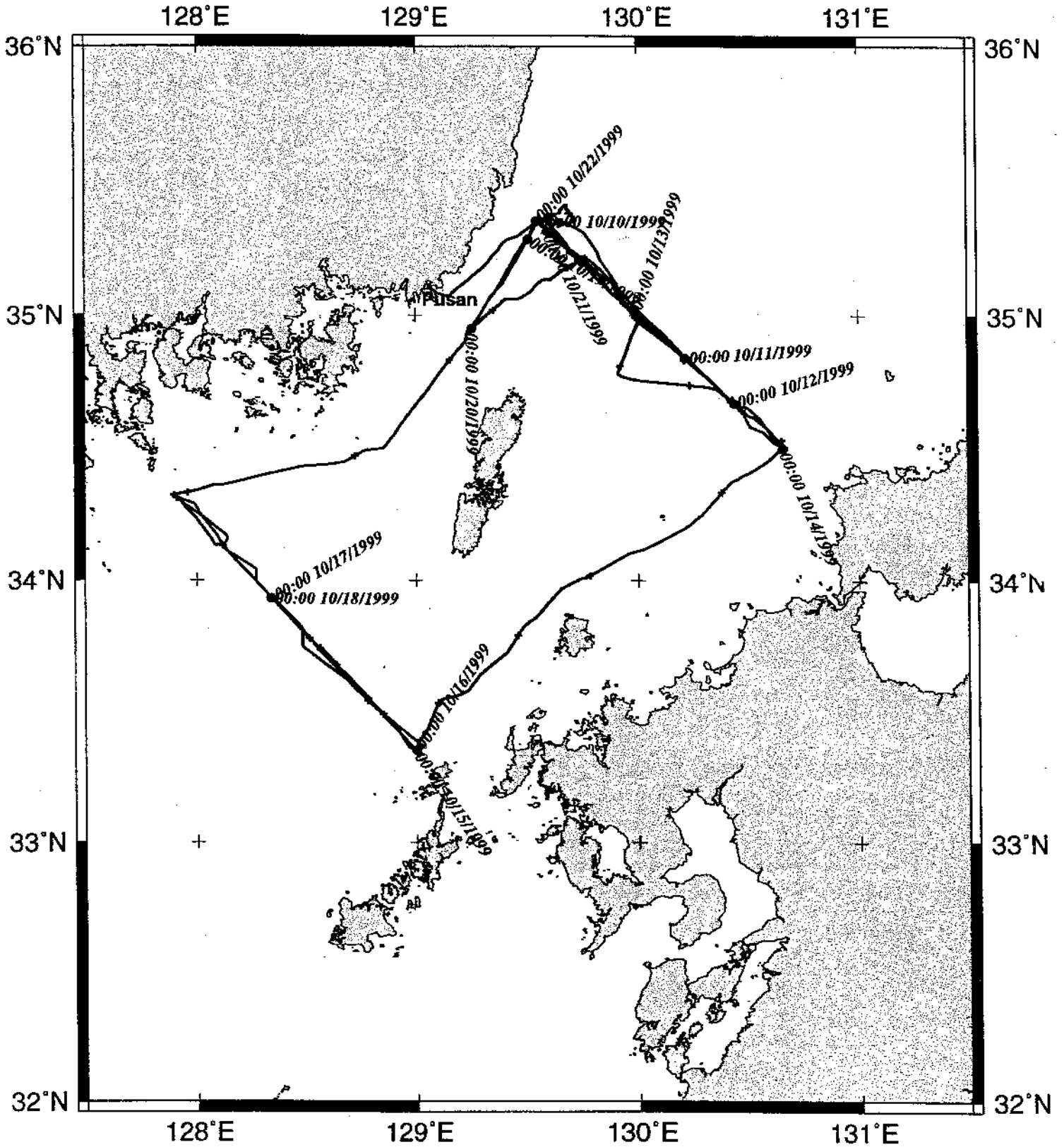
DATES: 09 - 22 October 1999

SHIP: R/V Reville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-1046 miles	Magnetics-none collected
Bathymetry-none collected	Seismic Reflection - none collected
Sea Beam-none collected	Gravity-none collected

HAHNARO Leg 12 Track



S.I.O. SAMPLE INDEX

HAHNARO EXPEDITION

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(Issued February 2000)

Ports:

Pusan, South Korea (09 October 1999)

to

Pusan, South Korea (22 October 1999)

Chief Scientist:

Henry Perkins, Naval Research Lab.

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 ***

1436 091099 LGPT B Pusan, South Korea 35-04.00N 129-09.00E f HNRO12RR
 0755 221099 LGPT E Pusan, South Korea 35-04.00N 129-09.00E f HNRO12RR

**** Personnel ***

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS SIX	Perkins, H.	Chief Scientist	Naval Research Lab.	HNRO12RR
PESP SIX	Book, J.	Scientist	Naval Research Lab.	HNRO12RR
PESP SIX	Bartloi, A.	Contractor	Protoco Italy	HNRO12RR
PESP SIX	Chung, C.	Scientist	Korean Ocean.R&D In.	HNRO12RR
PESP NAVO	Cumbee, C.	Oceanographer	Naval Oceanog.Office	HNRO12RR
PESP SIX	Hogan, P.	Oceanographer	Naval Research Lab.	HNRO12RR
PESP SIX	Hulbert, M.	Electronics tech	Naval Research Lab.	HNRO12RR
PESP SIX	Hwang, S-C.	Technician	Korean Ocean.R&D In.	HNRO12RR
PESP SIX	Jacobs, G.	Scientist	Naval Research Lab.	HNRO12RR
PESP SIX	Jones, J.	Technician	Planning Sys. Lab.	HNRO12RR
PESP SIX	Kennedy, D.	Oceanographer	Naval Research Lab.	HNRO12RR
PESP NAVO	Korreckt, B.	Technician	Naval Oceanog.Office	HNRO12RR
PESP SIX	Lee, H-W.	Scientist	Korean Ocean.R&D In.	HNRO12RR
PESP NAVO	Leybourne, B.	Technician	Naval Oceanog.Office	HNRO12RR
PECT STS	Moe, R.	Computer tech	Scripps Institution	HNRO12RR
PERT STS	Pillard, E.	Resident tech	Scripps Institution	HNRO12RR
PESP SIX	Seo, S-M.	Technician	Korean Ocean.R&D In.	HNRO12RR
PEST SIX	Smith, S.	Grad student	Univ. OF Colorado	HNRO12RR
PESP NRL	Teague, W.	Scientist	Naval Research Lab.	HNRO12RR
PESP NAVO	Warner, J.	Technician	Naval Oceanog.Office	HNRO12RR

**** 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	CODE	LATITUDE	LONGITUDE	g	CRUISE
#	TIME	DATE	TZ	CODE	E IDENTIFIER	CODE				c	LEG-SHIP

**** Underway Data Curator - S. M. Smith ext. 42752 ***

**** Acoustic Doppler Current Profiler ***

1436 091099	0	ADCP	B	Continuous	logged	GDC	35-21.03N	129-33.14E	g	HNRO12RR
0755 221099	0	ADCP	E	ADCP	measurements	GDC	35-07.07N	129-04.21E	g	HNRO12RR
1436 091099	0	ADCP	C	Moored	ADCP with	NAVO	35-21.03N	129-33.14E	g	HNRO12RR
0736 101099	0	ADCP	E	tide	guage N2 135m	NAVO	35-12.19N	129-44.44E	g	HNRO12RR
1436 091099	0	ADCP	C	Moored	ADCP with	NRL	35-21.03N	129-33.14E	g	HNRO12RR
0130 111099	0	ADCP	E	tide	guage N4	NRL	34-50.64N	130-12.61E	g	HNRO12RR
1436 091099	0	ADCP	C	Moored	ADCP with	NAVO	35-21.03N	129-33.14E	g	HNRO12RR
0600 111099	0	ADCP	E	tide	guage N3	NAVO	35-00.65N	129-59.72E	g	HNRO12RR
1436 091099	0	ADCP	C	Moored	ADCP with	NRL	35-21.03N	129-33.14E	g	HNRO12RR
0008 121099	0	ADCP	E	tide	guage N5	NRL	34-40.09N	130-25.60E	g	HNRO12RR

#GMT #TIME #-----	DDMMYY DATE	SAMP TZ	B CODE	SAMPLE E IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1436 0400	091099 121099	0	ADCP ADCP	C Moored ADCP with E tide guage N6	NRL NRL	35-21.03N 34-30.19N	129-33.14E 130-39.22E	g g	HNRO12RR HNRO12RR
0000 0755	131099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage N3	NAVO NAVO	35-00.60N 35-07.07N	129-59.40E 129-04.21E	g g	HNRO12RR HNRO12RR
0316 0755	131099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage N2 135m	NAVO NAVO	35-12.00N 35-07.07N	129-44.40E 129-04.21E	g g	HNRO12RR HNRO12RR
0755 0755	131099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage N4	NRL NRL	34-50.40N 35-07.07N	130-12.60E 129-04.21E	g g	HNRO12RR HNRO12RR
1052 0755	131099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage N5	NRL NRL	34-40.20N 35-07.07N	130-25.80E 129-04.21E	g g	HNRO12RR HNRO12RR
0136 0755	141099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage N6	NRL NRL	34-30.00N 35-07.07N	130-38.99E 129-04.21E	g g	HNRO12RR HNRO12RR
1436 0004	091099 151099	0	ADCP ADCP	C Moored ADCP with E tide guage S6	NRL NRL	35-21.03N 33-21.05N	129-33.14E 128-59.99E	g g	HNRO12RR HNRO12RR
1436 0345	091099 151099	0	ADCP ADCP	C Moored ADCP with E tide guage S5	NAVO NAVO	35-21.03N 33-32.46N	129-33.14E 128-46.81E	g g	HNRO12RR HNRO12RR
1436 0755	091099 151099	0	ADCP ADCP	C Moored ADCP with E tide guage S4 107m	NRL NRL	35-21.03N 33-44.43N	129-33.14E 128-33.69E	g g	HNRO12RR HNRO12RR
0031 0755	161099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage S6	NRL NRL	33-21.00N 35-07.07N	129-00.00E 129-04.21E	g g	HNRO12RR HNRO12RR
0409 0755	161099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage S5	NAVO NAVO	33-32.44N 35-07.07N	128-46.75E 129-04.21E	g g	HNRO12RR HNRO12RR
0901 0755	161099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage S4 107m	NRL NRL	33-44.40N 35-07.07N	128-33.60E 129-04.21E	g g	HNRO12RR HNRO12RR
1426 0024	091099 171099	0	ADCP ADCP	C Moored ADCP with E tide guage S3	NRL NRL	35-21.03N 33-55.78N	129-33.14E 128-20.45E	g g	HNRO12RR HNRO12RR
1436 0420	091099 171099	0	ADCP ADCP	C Moored ADCP with E tide guage S2	NRL NRL	35-21.03N 34-07.79N	129-33.14E 128-07.14E	g g	HNRO12RR HNRO12RR
1436 0724	091099 171099	0	ADCP ADCP	C Moored ADCP with E tide guage S1	NRL NRL	35-21.03N 34-19.09N	129-33.14E 127-54.00E	g g	HNRO12RR HNRO12RR
0026 0755	181099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage S3	NRL NRL	33-55.80N 35-07.07N	128-20.40E 129-04.21E	g g	HNRO12RR HNRO12RR
0453 0755	181099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage S2	NRL NRL	34-07.80N 35-07.07N	128-07.19E 129-04.21E	g g	HNRO12RR HNRO12RR
1000 0755	181099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage S1	NRL NRL	34-19.20N 35-07.07N	127-54.00E 129-04.21E	g g	HNRO12RR HNRO12RR
0005 0755	201099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage C1	NAVO NAVO	34-57.00N 35-07.07N	129-15.60E 129-04.21E	g g	HNRO12RR HNRO12RR
0203 0755	211099 211099	0	ADCP ADCP	B Moored ADCP with C tide guage N1.25	NRL NRL	35-18.75N 35-07.07N	129-35.85E 129-04.21E	g g	HNRO12RR HNRO12RR

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#	-----	---	---	-----	---	-----	-----	-----	---	-----
*** Conductivity, Temperature, Depth *** (Data shared by NAVO and KORD)										
0708	111099	0	TDCT	B CTD with 24 btls	NAVO	34-59.87N	130-00.70E	g		HNRO12RR
0754	111099	0	TDCT	E TS N D <150m	NAVO	34-59.87N	130-00.70E	g		HNRO12RR
0035	121099	0	TDCT	B CTD with 24 btls	NAVO	34-39.94N	130-25.42E	g		HNRO12RR
0109	121099	0	TDCT	E TS N D <150m	NAVO	34-39.94N	130-25.42E	g		HNRO12RR
0423	121099	0	TDCT	B CTD with 24 btls	NAVO	34-30.19N	130-39.21E	g		HNRO12RR
0450	121099	0	TDCT	E TS N D <150m	NAVO	34-30.19N	130-39.22E	g		HNRO12RR
0838	121099	0	TDCT	B CTD with 24 btls	NAVO	34-50.41N	130-12.57E	g		HNRO12RR
0902	121099	0	TDCT	E TS N D <150m	NAVO	34-50.41N	130-12.58E	g		HNRO12RR
1043	121099	0	TDCT	B CTD with 24 btls	NAVO	35-00.60N	129-59.38E	g		HNRO12RR
1119	121099	0	TDCT	E TS N D <150m	NAVO	35-00.60N	129-59.38E	g		HNRO12RR
1326	121099	0	TDCT	B CTD with 24 btls	NAVO	35-12.18N	129-44.42E	g		HNRO12RR
1358	121099	0	TDCT	E TS N D <150m	NAVO	35-12.13N	129-44.49E	g		HNRO12RR
1542	121099	0	TDCT	B CTD with 24 btls	NAVO	35-21.84N	129-35.94E	g		HNRO12RR
1609	121099	0	TDCT	E TS N D <150m	NAVO	35-22.03N	129-36.12E	g		HNRO12RR
0847	151099	0	TDCT	B CTD with 24 btls	NAVO	33-44.43N	128-33.70E	g		HNRO12RR
0909	151099	0	TDCT	E TS N D <150m	NAVO	33-44.44N	128-33.71E	g		HNRO12RR
1052	151099	0	TDCT	B CTD with 24 btls	NAVO	33-32.40N	128-46.81E	g		HNRO12RR
1120	151099	0	TDCT	E TS N D <150m	NAVO	33-32.40N	128-46.81E	g		HNRO12RR
1311	151099	0	TDCT	B CTD with 24 btls	NAVO	33-20.95N	128-59.97E	g		HNRO12RR
1330	151099	0	TDCT	E TS N D <150m	NAVO	33-20.96N	128-59.97E	g		HNRO12RR
0740	171099	0	TDCT	B CTD with 24 btls	NAVO	34-19.21N	127-54.00E	g		HNRO12RR
0754	171099	0	TDCT	E TS N D <150m	NAVO	34-19.20N	127-54.00E	g		HNRO12RR
0946	171099	0	TDCT	B CTD with 24 btls	NAVO	34-07.81N	128-07.29E	g		HNRO12RR
1001	171099	0	TDCT	E TS N D <150m	NAVO	34-07.81N	128-07.28E	g		HNRO12RR
1138	171099	0	TDCT	B CTD with 24 btls	NAVO	33-55.83N	128-20.44E	g		HNRO12RR
1200	171099	0	TDCT	E TS N D <150m	NAVO	33-55.84N	128-20.44E	g		HNRO12RR
****				End Sample Index						HNRO12RR