

*Report and Index of  
Underway Marine Geophysical Data*

**Cook Expedition**

**Leg 8**

**(COOK08MV)**

R/V Melville

(Issued October 2001)

**Ports:**

Naha, Okinawa (28 May 2001)

to

Pusan, Korea (19 June 2001)

**Chief Scientist - Peter Dahl**

APL, University of Washington

Principal Investigator - Warren Denner

EOS Research Associates eos@ix.netcom.com

Computer Tech - Ron Moe

Post-Cruise processing and report preparation by

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 the Shipboard Technical Support Group, Scripps Institution of Oceanography, La Jolla, California 92093-0223.

***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

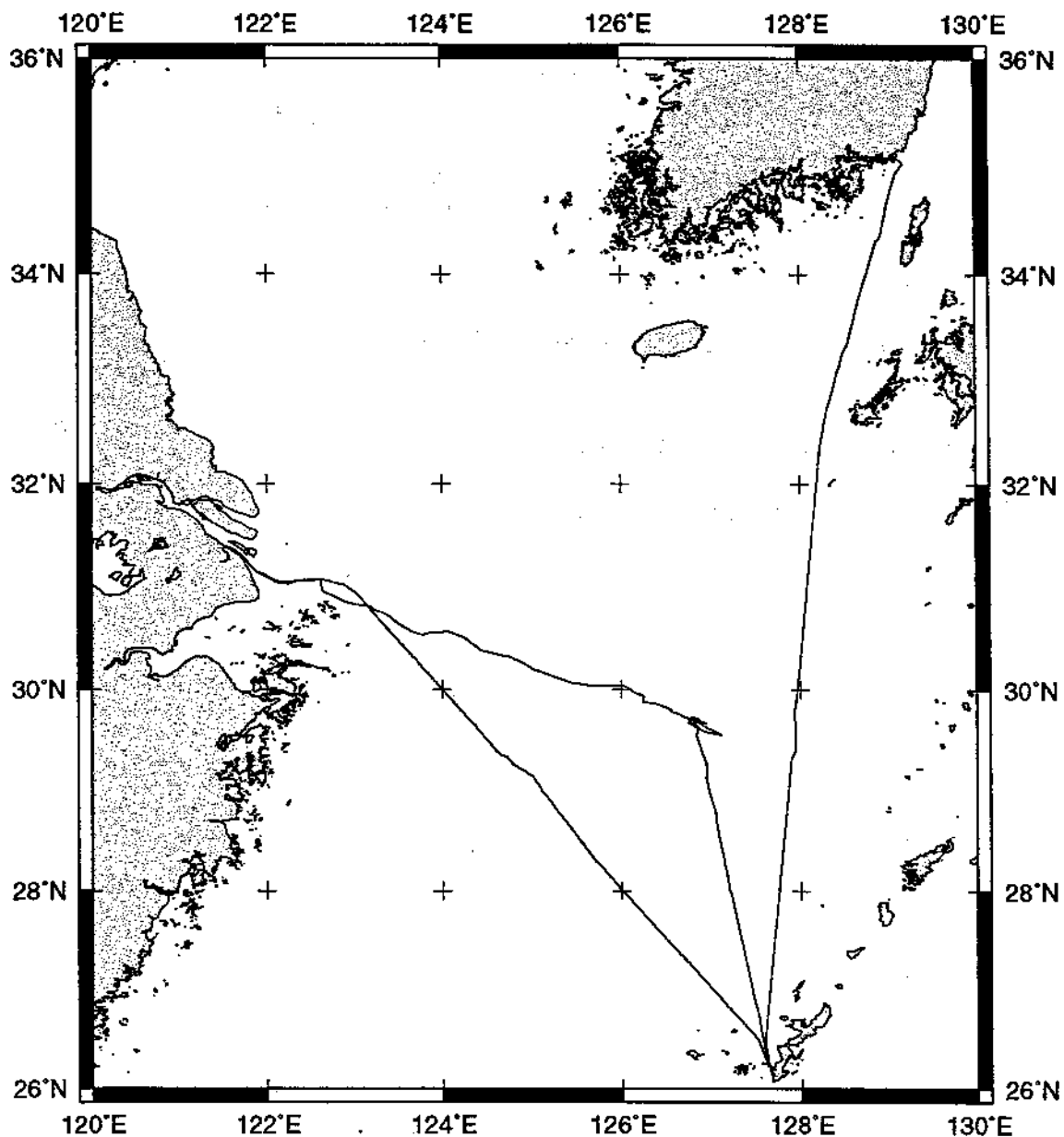
**Profiles** – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

**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](mailto:spmiller@ucsd.edu); or his Website: <http://SIOExplorer@ucsd.edu>

Rev 6/2001



**COOK EXPEDITION LEG 8 (COOK08MV)**

**CHIEF SCIENTIST: Peter Dahl, Univ. of Washington**

**PORTS: Naha, Okinawa - Pusan, Korea**

**DATES: 28 May - 19 June 2001**

**SHIP: R/V Melville**

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

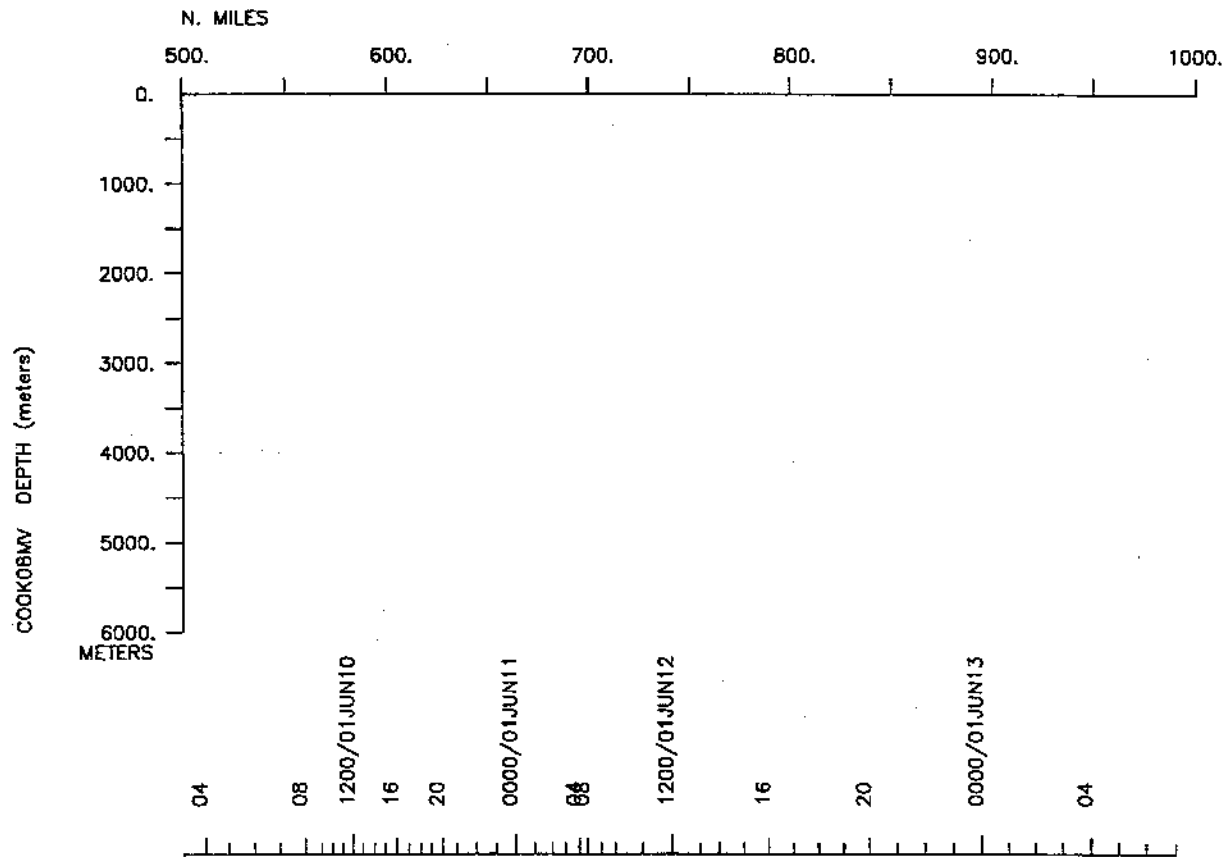
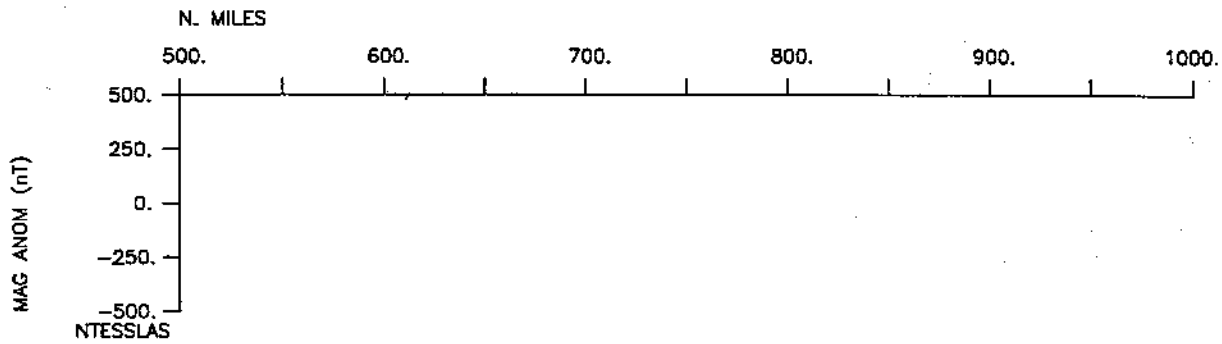
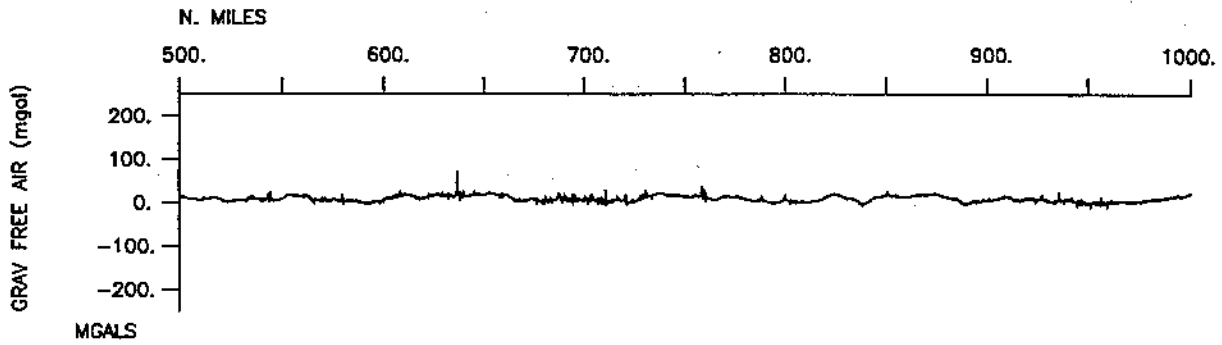
**Cruise-1727 miles                      Magnetics-none collected**

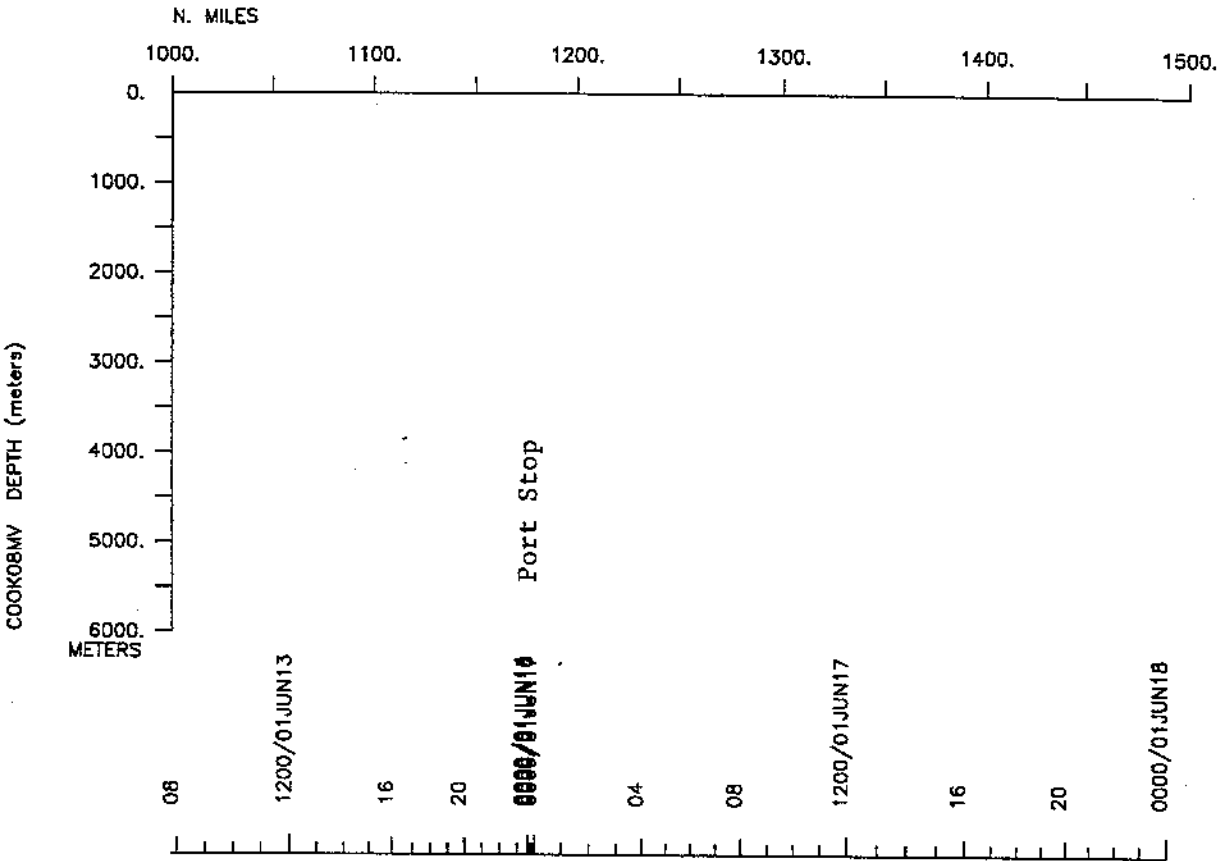
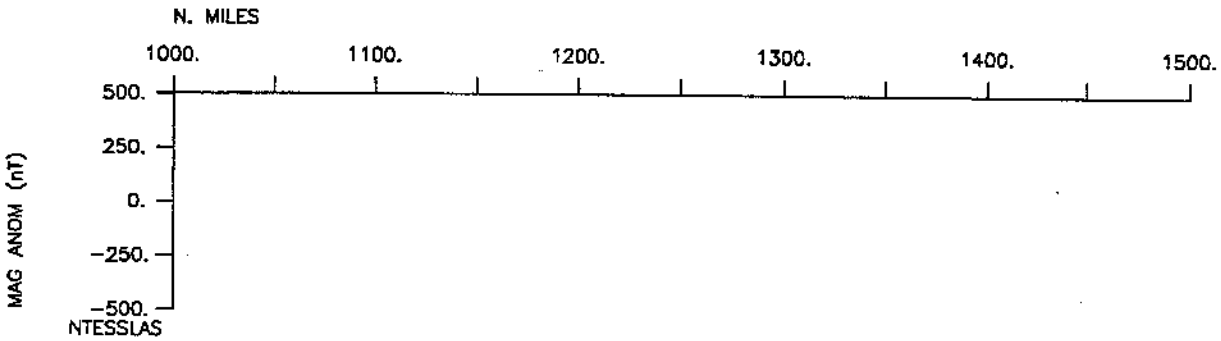
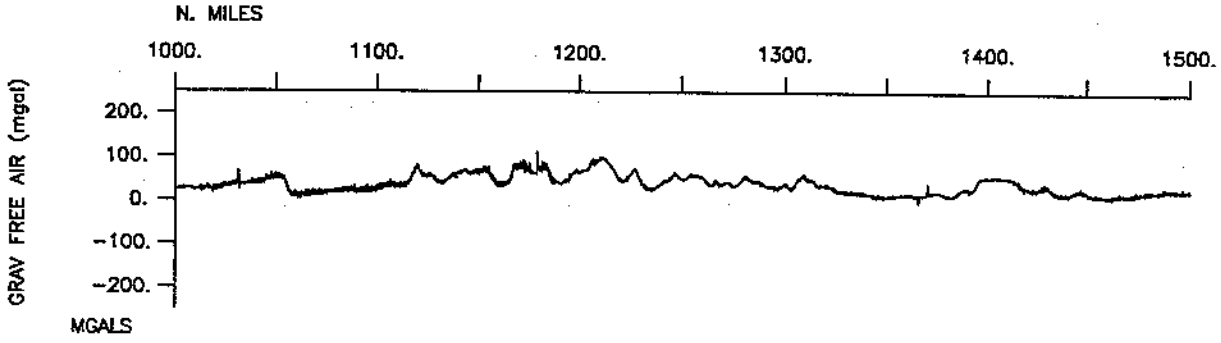
**Bathymetry-none collected      Seismic Reflection-none collected**

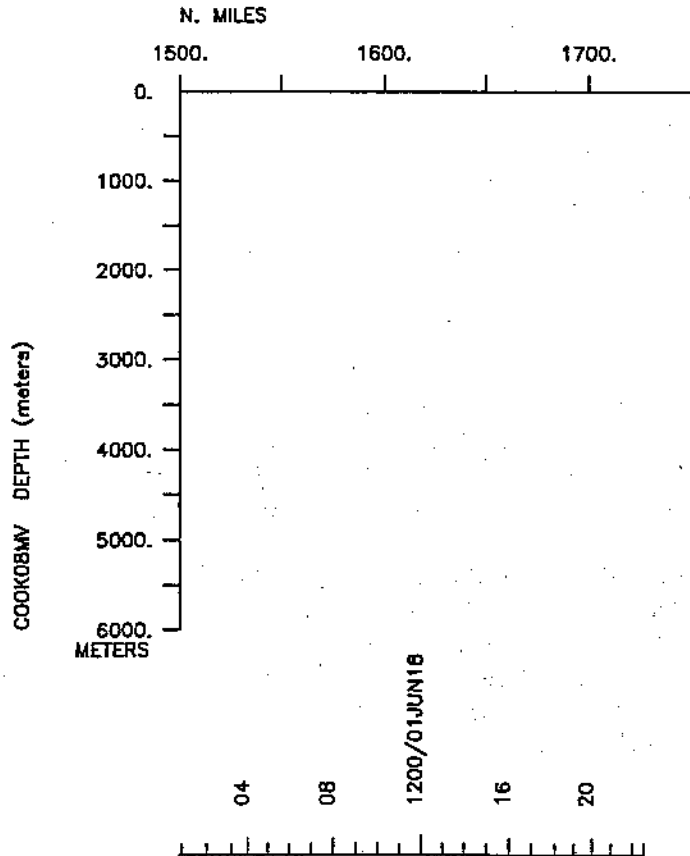
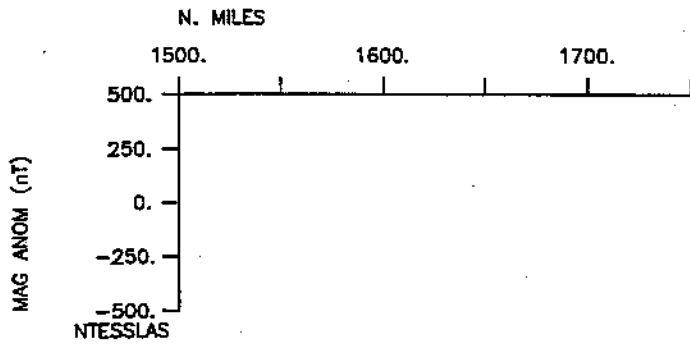
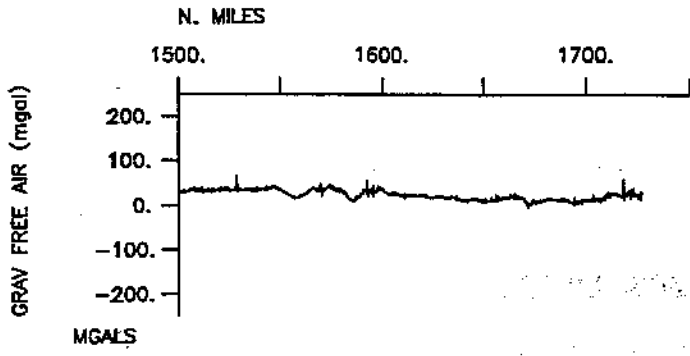
**Sea Beam-none collected          Gravity-1727 miles**













**S.I.O. Sample Index**

**COOK Expedition**

**Leg 8**

**(COOK08MV)**

R/V Melville

(Issued October 2001)

**PORTS:**

Naha, Okinawa (28 May 2001)

to

Pusan, Korea (19 June 2001)

**Chief Scientist - Peter Dahl**  
University of Washington

*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 Group 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.)*

GDC Cruise ID# 295

\*\*\*\* Ports \*\*\*\*

2330	270501	LGPT B Naha, Okinawa	26-13.00N 127-41.00E	f	COOK08MV
2356	180601	LGPT E Pusan, Korea	25-06.00N 129-03.00E	f	COOK08MV
0412	110601	LGSS B Shanghai	31-15.00N 121-30.00E	f	COOK08MV
0718	120601	LGSS E Shanghai	31-15.00N 121-30.00E	f	COOK08MV

\*\*\*\* Personnel \*\*\*\*

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS UWA	Dahl, Peter	Chief Scientist	Univ. of Washington	COOK08MV
PESP UWA	Light, Russ	Engineer	Univ. of Washington	COOK08MV
PESP UWA	Sabin, Pete	Engineer	Univ. of Washington	COOK08MV
PESP UWA	Tang, Dajun	Scientist	Univ. of Washington	COOK08MV
PESP UWA	Miller, Vern	Engineer	Univ. of Washington	COOK08MV
PESP SIO	Hodgkiss, Bill	Scientist	Scripps Institution	COOK08MV
PESP MPL	Harriss, Dick	Engineer	Scripps Institution	COOK08MV
PESP MPL	Skinner, Jeff	Engineer	Scripps Institution	COOK08MV
PESP MPL	Ensberg, Dave	Engineer	Scripps Institution	COOK08MV
PESP MPL	Song, Hee Chun	Scientist	Scripps Institution	COOK08MV
PESP URI	Miller, James	Scientist	U.of Rhode Island	COOK08MV
PESP URI	Potty, Gopu	Scientist	U.of Rhode Island	COOK08MV
PECT SCG	Moe, Ron	Computer Tech	Scripps Institution	COOK08MV

\*\*\*\* 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 \*\*\*\*

\*\*\*\* Digital Gravity \*\*\*\*

2348	270501	0	GVDD B	Digital Gravity	GDC	26-13.26N	127-39.21E	g	COOK08MV
2350	180601	0	GVDD E	Digital Gravity	GDC	35-07.08N	129-04.20E	g	COOK08MV

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

2348	270501	0	IMET B	weather measurements	GDC	26-13.26N	127-39.21E	g	COOK08MV
2350	180601	0	IMET E	weather measurements	GDC	35-07.08N	129-04.20E	g	COOK08MV

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

2348	270501	0	ADCP B	current measurements	GDC	26-13.26N	127-39.21E	g	COOK08MV
2350	180601	0	ADCP E	current measurements	GDC	35-07.08N	129-04.20E	g	COOK08MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#	-----			-----		-----	-----			-----
*** Wave Buoys ***										
2215	280501	0	BUAB	B Wave Bouy	UWA	29-39.19N	126-48.92E	g		COOK08MV
2237	280501	0	BUAB	E Wave Bouy anchored	UWA	29-39.12N	126-48.89E	g		COOK08MV
*** Temperature, Conductivity, Depth ***										
2342	280501	0	TDCT	B CTD #1	UWA	29-39.12N	126-48.94E	g		COOK08MV
2354	280501	0	TDCT	E CTD #1	UWA	29-39.12N	126-48.94E	g		COOK08MV
2306	290501	0	TDCT	B CTD #2	UWA	29-39.16N	126-48.80E	g		COOK08MV
2320	290501	0	TDCT	E CTD #2	UWA	29-39.19N	126-48.79E	g		COOK08MV
1003	300501	0	TDCT	B CTD #3	UWA	29-39.09N	126-48.77E	g		COOK08MV
1030	300501	0	TDCT	E CTD #3	UWA	29-39.10N	126-48.76E	g		COOK08MV
0033	310501	0	TDCT	B CTD #4	UWA	29-39.12N	126-48.69E	g		COOK08MV
0049	310501	0	TDCT	E CTD #4	UWA	29-39.12N	126-48.68E	g		COOK08MV
0606	310501	0	TDCT	B CTD #5	UWA	29-39.30N	126-48.81E	g		COOK08MV
0626	310501	0	TDCT	E CTD #5	UWA	29-39.30N	126-48.82E	g		COOK08MV
1035	310501	0	TDCT	B CTD #6	100M UWA	29-39.26N	126-48.83E	g		COOK08MV
1105	310501	0	TDCT	E CTD #6	UWA	29-39.27N	126-48.80E	g		COOK08MV
0015	010601	0	TDCT	B CTD #7	UWA	29-39.28N	126-48.79E	g		COOK08MV
0030	010601	0	TDCT	E CTD #7	UWA	29-39.28N	126-48.79E	g		COOK08MV
0434	010601	0	TDCT	B CTD #8	122M UWA	29-39.30N	126-48.82E	g		COOK08MV
0447	010601	0	TDCT	E CTD #8	UWA	29-39.30N	126-48.82E	g		COOK08MV
1231	010601	0	TDCT	B CTD #9	UWA	29-39.28N	126-48.79E	g		COOK08MV
1343	010601	0	TDCT	E CTD #9	UWA	29-39.28N	126-48.79E	g		COOK08MV
2300	010601	0	TDCT	B CTD #10	100M UWA	29-39.24N	126-48.69E	g		COOK08MV
2312	010601	0	TDCT	E CTD #10	UWA	29-39.23N	126-48.69E	g		COOK08MV
0424	020601	0	TDCT	B CTD #11	98M UWA	29-38.77N	126-48.52E	g		COOK08MV
0433	020601	0	TDCT	E CTD #11	UWA	29-38.80N	126-48.53E	g		COOK08MV
1332	020601	0	TDCT	B CTD #12	97M UWA	29-38.98N	126-48.86E	g		COOK08MV
1345	020601	0	TDCT	E CTD #12	UWA	29-38.98N	126-48.86E	g		COOK08MV
0540	030601	0	TDCT	B CTD #13	95M UWA	29-38.78N	126-48.71E	g		COOK08MV
0552	030601	0	TDCT	E CTD #13	UWA	29-38.78N	126-48.70E	g		COOK08MV
1030	030601	0	TDCT	B CTD #14	95M UWA	29-38.74N	126-48.71E	g		COOK08MV
1045	030601	0	TDCT	E CTD #14	UWA	29-38.74N	126-48.71E	g		COOK08MV
2310	030601	0	TDCT	B CTD #15	94M UWA	29-38.75N	126-48.73E	g		COOK08MV
2325	030601	0	TDCT	E CTD #15	UWA	29-38.77N	126-48.73E	g		COOK08MV
0526	040601	0	TDCT	B CTD #16	90M UWA	29-38.59N	126-48.42E	g		COOK08MV
0537	040601	0	TDCT	E CTD #16	UWA	29-38.60N	126-48.44E	g		COOK08MV

#GMT #TIME #-----	DDMMYY DATE -----	SAMP TZ -----	B CODE -----	SAMPLE E IDENTIFIER -----	DISP CODE -----	LATITUDE -----	LONGITUDE -----	p c -----	CRUISE LEG-SHIP -----
2330	040601	0	TDCT	B CTD #17	90M UWA	29-38.73N	126-48.66E	g	COOK08MV
2345	040601	0	TDCT	E CTD #17	UWA	29-38.73N	126-48.65E	g	COOK08MV
0750	050601	0	TDCT	B CTD #18	94M UWA	29-38.85N	126-48.84E	g	COOK08MV
0802	050601	0	TDCT	E CTD #18	UWA	29-38.82N	126-48.86E	g	COOK08MV
0026	060601	0	TDCT	B CTD #19	97M UWA	29-38.78N	126-48.80E	g	COOK08MV
0038	060601	0	TDCT	E CTD #19	UWA	29-38.77N	126-48.80E	g	COOK08MV
0105	070601	0	TDCT	B CTD #20	98M UWA	29-38.99N	126-48.92E	g	COOK08MV
0118	070601	0	TDCT	E CTD #20	UWA	29-38.98N	126-48.92E	g	COOK08MV
0531	070601	0	TDCT	B CTD #21	98M UWA	29-38.82N	126-48.44E	g	COOK08MV
0542	070601	0	TDCT	E CTD #21	UWA	29-38.83N	126-48.43E	g	COOK08MV
0805	070601	0	TDCT	B CTD #22	98M UWA	29-38.89N	126-48.51E	g	COOK08MV
0820	070601	0	TDCT	E CTD #22	UWA	29-38.90N	126-48.52E	g	COOK08MV
0102	080601	0	TDCT	B CTD #23	98M UWA	29-39.15N	126-48.79E	g	COOK08MV
0115	080601	0	TDCT	E CTD #23	UWA	29-39.14N	126-48.79E	g	COOK08MV
0500	080601	0	TDCT	B CTD #24	98M UWA	29-39.16N	126-48.72E	g	COOK08MV
0512	080601	0	TDCT	E CTD #24	UWA	29-39.17N	126-48.74E	g	COOK08MV
1006	080601	0	TDCT	B CTD #25	98M UWA	29-39.01N	126-48.64E	g	COOK08MV
1022	080601	0	TDCT	E CTD #25	UWA	29-39.01N	126-48.64E	g	COOK08MV
1016	090601	0	TDCT	B CTD #1	98M UWA	29-33.31N	127-05.94E	g	COOK08MV
1028	090601	0	TDCT	E CTD #1	UWA	29-33.33N	127-06.05E	g	COOK08MV
1105	090601	0	TDCT	B CTD #2	103M UWA	29-35.85N	127-00.54E	g	COOK08MV
1115	090601	0	TDCT	E CTD #2	UWA	29-35.99N	127-00.39E	g	COOK08MV
1149	090601	0	TDCT	B CTD #3	103M UWA	29-38.27N	126-55.04E	g	COOK08MV
1157	090601	0	TDCT	E CTD #3	UWA	29-38.39N	126-54.91E	g	COOK08MV
1243	090601	0	TDCT	B CTD #4	98M UWA	29-41.48N	126-50.24E	g	COOK08MV
1251	090601	0	TDCT	E CTD #4	UWA	29-41.55N	126-50.20E	g	COOK08MV
1343	090601	0	TDCT	B CTD #5	95M UWA	29-43.15N	126-44.12E	g	COOK08MV
1353	090601	0	TDCT	E CTD #5	UWA	29-43.27N	126-44.13E	g	COOK08MV
1442	090601	0	TDCT	B CTD #6	90M UWA	29-45.65N	126-38.13E	g	COOK08MV
1450	090601	0	TDCT	E CTD #6	UWA	29-45.74N	126-38.09E	g	COOK08MV
1532	090601	0	TDCT	B CTD #7	90M UWA	29-48.25N	126-32.87E	g	COOK08MV
1542	090601	0	TDCT	E CTD #7	UWA	29-48.34N	126-32.97E	g	COOK08MV

#

End Sample Index

COOK08MV

