

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

Cook Expedition

Leg 24

(COOK24MV)

R/V Melville

(Issued July 2002)

Ports:

Honolulu, Hawaii (9 June 2002)

to

Honolulu, Hawaii (16 June 2002)

Chief Scientist: Daniel Repeta
Woods Hole Oceanographic Institution
drepeta@whoi.edu

Computer Tech - Dan Jacobson
Resident Tech - Ron Comer

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.

GDC Cruise ID# 295

**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

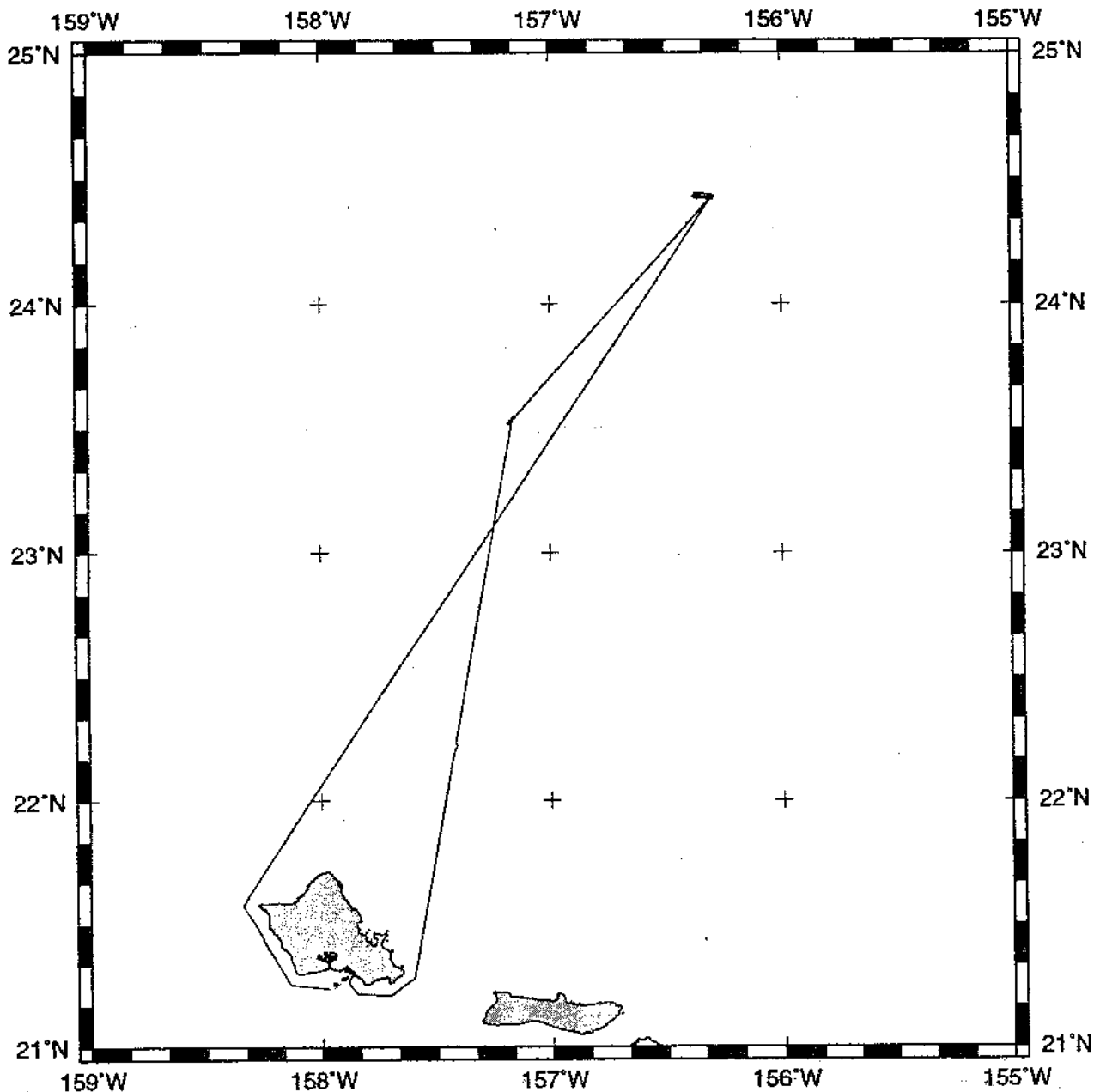
Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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



COOK EXPEDITION LEG 24 (COOK24MV)

CHIEF SCIENTIST: Daniel Repeta, Woods Hole Oceanographic Inst.

PORTS: Honolulu - Honolulu, Hawaii

DATES: 9 - 16 June 2002

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-535 miles

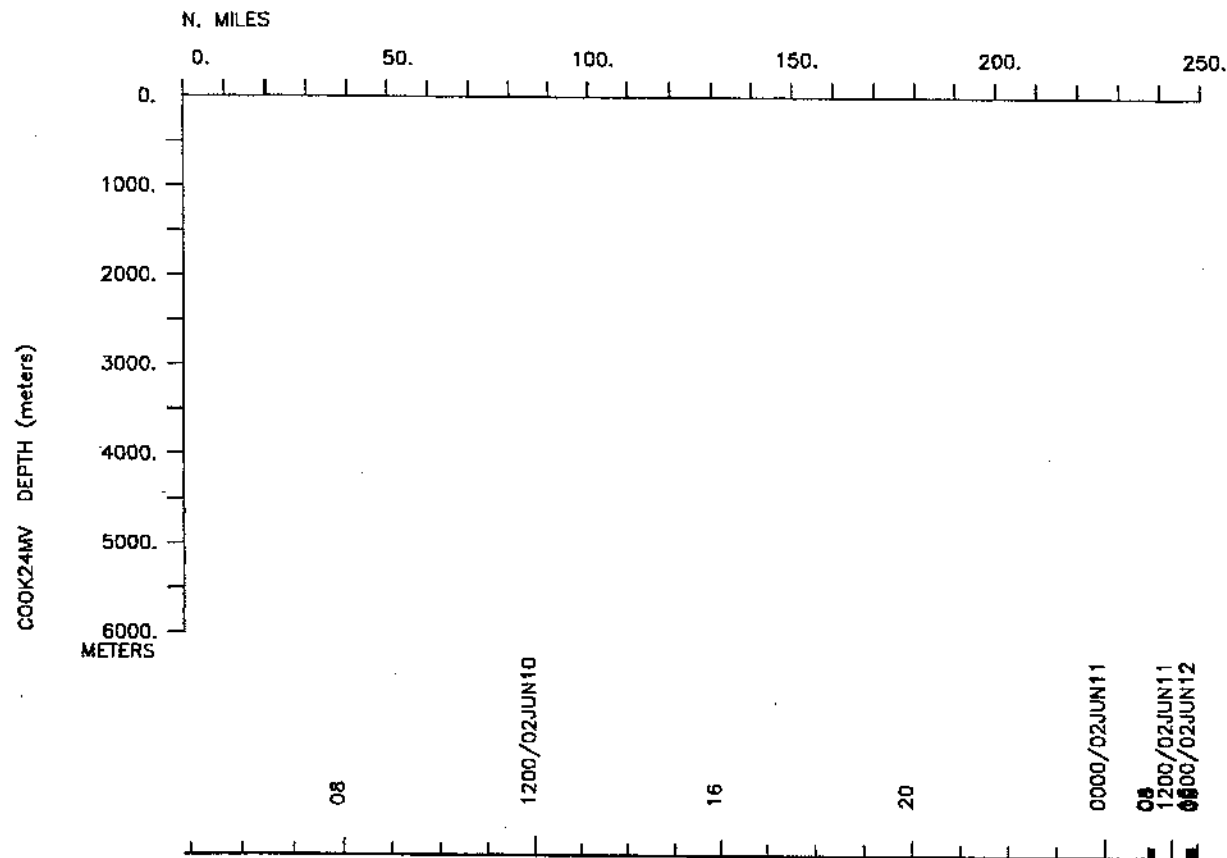
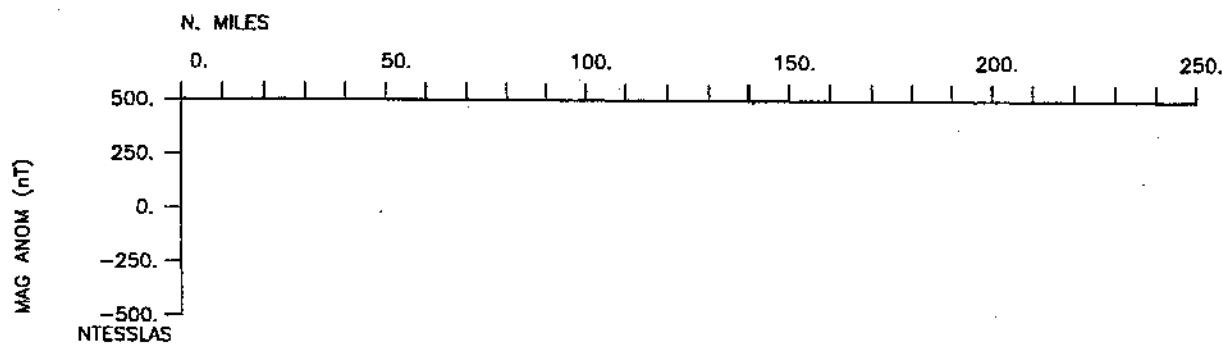
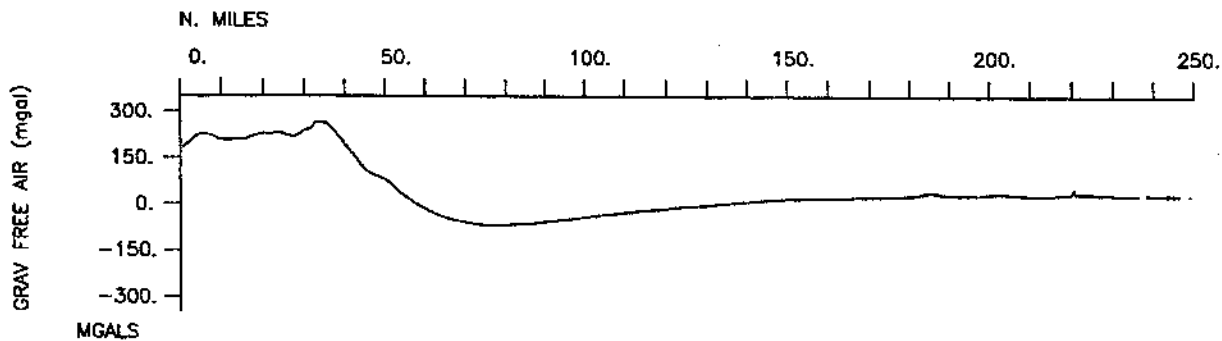
Magnetics-none collected

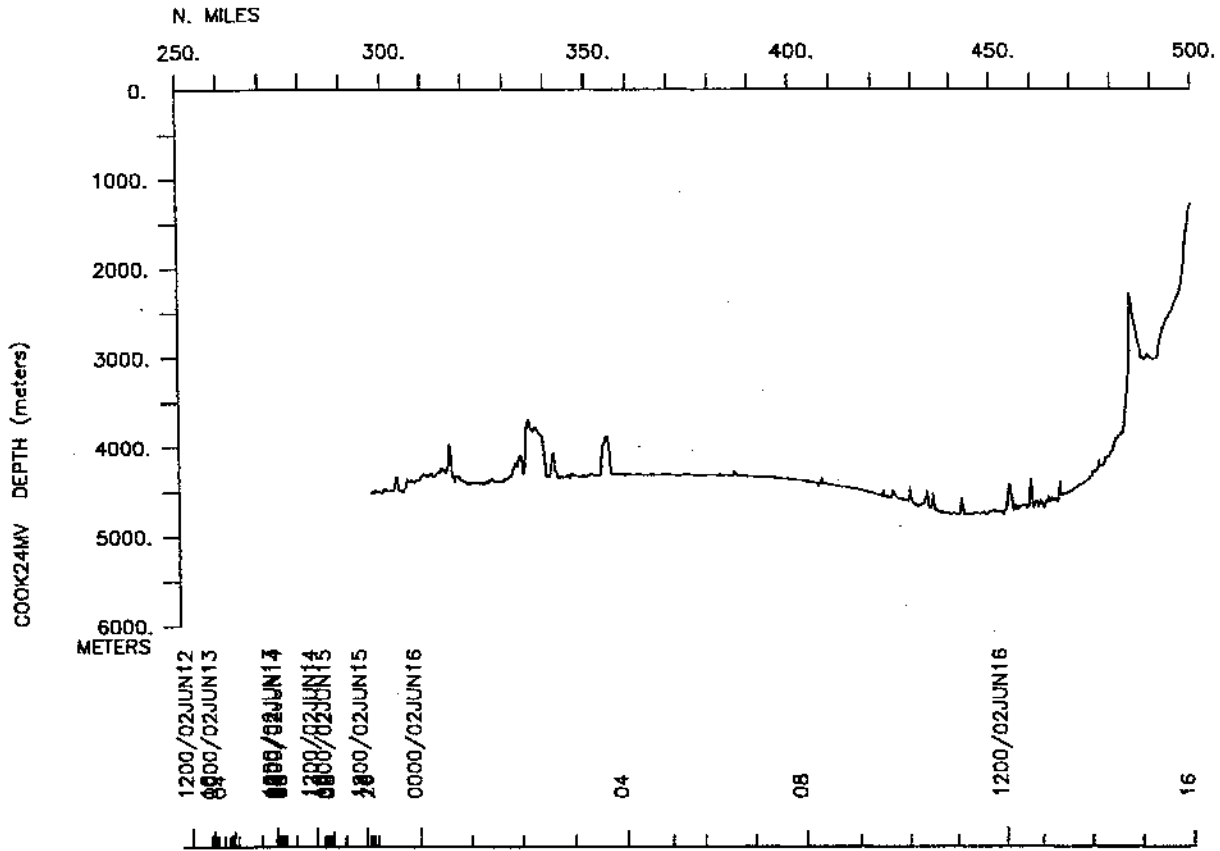
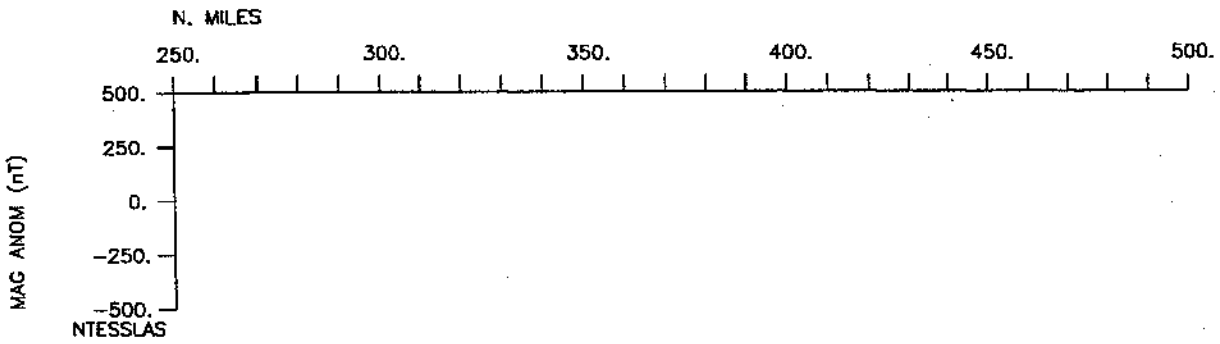
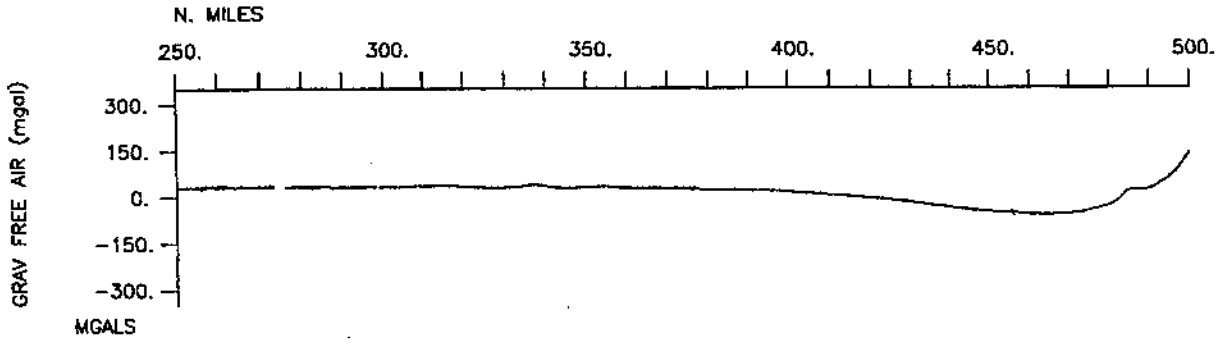
Bathymetry-233 miles

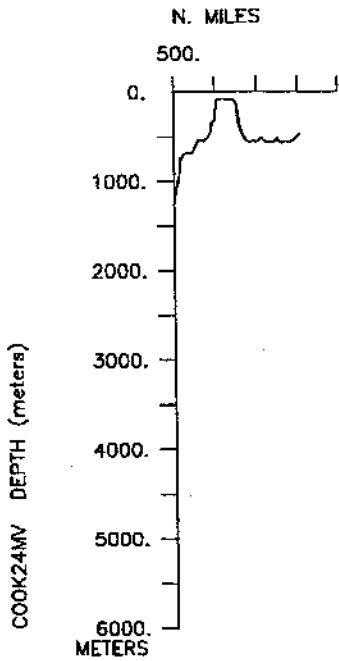
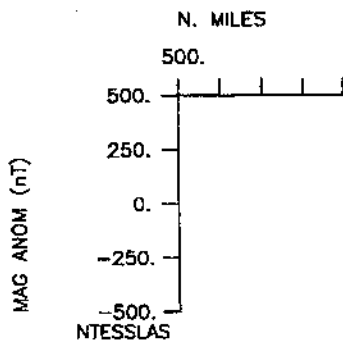
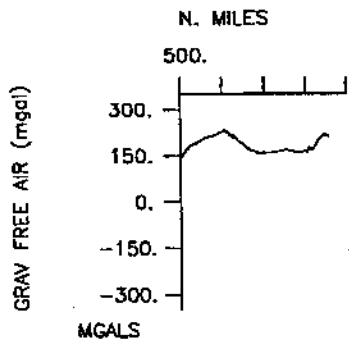
Seismic Reflection-none collected

Multibeam-233 miles

Gravity-533 miles







S.I.O. Sample Index

COOK Expedition

Leg 24

(COOK24MV)

R/V Melville

(Issued July 2002)

PORTS:

Honolulu, Hawaii (9 June 2002)

to

Honolulu, Hawaii (16 June 2002)

Chief Scientist : Daniel Repeta
Woods Hole Oceanographic Institution

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 ****

0452 100602 LGPT B Honolulu,Hawaii 21-28.00N 157-52.00W f COOK24MV
 2000 160602 LGPT E Honolulu,Hawaii 21-28.00N 157-52.00W f COOK24MV

**** Personnel ****

#	*****NAME*****	*****TITLE*****	*****AFFILIATION*****	**CRID**
PECS	WHOI Repeta, Dr.D.	Chief Scientist	Woods Hole	COOK24MV
PEXN	CHL Pantoja, Dr.S.	Scientist	U. of Concepcion	COOK24MV
PEXN	CHL Daneri, Dr.G.	Scientist	U. of Concepcion	COOK24MV
PERT	STS Comer, R.L.	Resident Tech.	Scripps Institution	COOK24MV
PEXN	CHL Lorca, G.	Graduate Student	U. of Concepcion	COOK24MV
PEXN	CHL Rossel, P.	Graduate Student	U. of Concepcion	COOK24MV
PECT	STS Jacobson, D.	Computer Tech.	Scripps Institution	COOK24MV
PEST	WHOI Quan, T.	Graduate Student	Woods Hole	COOK24MV
PEST	WHOI Smith, E.	Student	Woods Hole	COOK24MV
PEST	WHOI Hartman, N.	Student	Woods Hole	COOK24MV

**** 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	p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE				c	LEG-SHIP

**** Underway Data Curator - Shipboard Technical Support Group ext.41899 ****
 **** Digital Data Curator - Geological Data Center, S.P. Miller, ext.41898 ****

**** MultiBeam Data (vertical beam and side scan) ****

2243 150602 0 MBSR B v.beam&sidescan STS 24-25.11N 156-18.00W g COOK24MV
 1829 160602 0 MBSR E v.beam&sidescan STS 21-14.79N 157-52.54W g COOK24MV

**** Digital Gravity ****

0452 100602 0 GVDD B Gravity-Digital GDC 21-14.23N 157-58.12W g COOK24MV
 2000 160602 0 GVDD E GDC 21-18.98N 157-53.17W g COOK24MV

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

*** Integrated Meteorological Acquisition System ***

0455	150602	0	IMET	B	Weather Observations	GDC	24-25.00N	156-18.00W	g	COOK24MV
2000	160602	0	IMET	E		GDC	21-18.98N	157-53.17W	g	COOK24MV

*** Acoustic Doppler Current Profiler ***
ements

0747	100602	0	ADCP	B	Accoustic Doppler	GDC	21-38.46N	158-18.17W	g	COOK24MV
2000	161006	0	ADCP	E	Current Profiler	GDC	21-18.98N	157-53.17W	g	COOK24MV

*** Conductivity, Temperature, Depth ***

0248	110602	0	TDCT	30L	12Bt1	TOSC	3600M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
0614	110602	0	TDCT	30L	12Bt1	TOSC	3600M	WHOI	24-25.01N	156-18.00W	g	COOK24MV
0927	110602	0	TDCT	30L	12Bt1	TOSC	3600M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
1803	110602	0	TDCT	30L	12Bt1	TOSC	3600M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
2130	110602	0	TDCT	30L	12Bt1	TOSC	3647M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
0049	120602	0	TDCT	30L	12Bt1	TOSC	3648M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
0350	120602	0	TDCT	30L	12Bt1	TOSC	3649M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
0642	120602	0	TDCT	30L	12Bt1	TOSC	3650M	WHOI	24-24.99N	156-18.00W	g	COOK24MV
0939	120602	0	TDCT	30L	12Bt1	TOSC	3648M	WHOI	24-25.01N	156-18.00W	g	COOK24MV
1800	120602	0	TDCT	30L	12Bt1	TOSC	3649M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
2113	120602	0	TDCT	30L	12Bt1	TOSC	3649M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
0048	130602	0	TDCT	30L	12Bt1	TOSC	3644M	WHOI	24-25.15N	156-18.00W	g	COOK24MV
0448	130602	0	TDCT	30L	12Bt1	TOSC	1800M	WHOI	24-25.12N	156-18.00W	g	COOK24MV
0648	130602	0	TDCT	30L	12Bt1	TOSC	1806M	WHOI	24-25.17N	156-18.16W	g	COOK24MV
0849	130602	0	TDCT	30L	12Bt1	TOSC	1800M	WHOI	24-25.19N	156-18.00W	g	COOK24MV
1727	130602	0	TDCT	30L	12Bt1	TOSC	1802M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
1931	130602	0	TDCT	30L	12Bt1	TOSC	1801M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
2134	130602	0	TDCT	30L	12Bt1	TOSC	1801M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
2334	130602	0	TDCT	30L	12Bt1	TOSC	1801M	WHOI	24-25.02N	156-18.00W	g	COOK24MV
0139	140602	0	TDCT	30L	12Bt1	TOSC	1800M	WHOI	24-25.08N	156-18.00W	g	COOK24MV
0336	140602	0	TDCT	30L	12Bt1	TOSC	1800M	WHOI	24-25.04N	156-18.00W	g	COOK24MV
0530	140602	0	TDCT	30L	12Bt1	TOSC	1801M	WHOI	24-25.03N	156-18.00W	g	COOK24MV
0727	140602	0	TDCT	30L	12Bt1	TOSC	1800M	WHOI	24-25.09N	156-18.12W	g	COOK24MV
1832	140602	0	TDCT	30L	12Bt1	TOSC	902M	WHOI	24-25.13N	156-18.06W	g	COOK24MV
2046	140602	0	TDCT	30L	12Bt1	TOSC	901M	WHOI	24-25.05N	156-18.01W	g	COOK24MV
2317	140602	0	TDCT	30L	12Bt1	TOSC	901M	WHOI	24-25.03N	156-18.00W	g	COOK24MV
0050	150602	0	TDCT	30L	12Bt1	TOSC	901M	WHOI	24-25.05N	156-18.00W	g	COOK24MV
0215	150602	0	TDCT	30L	12Bt1	TOSC	900M	WHOI	24-25.03N	156-18.00W	g	COOK24MV
0408	150602	0	TDCT	30L	12Bt1	TOSC	902M	WHOI	24-25.03N	156-18.00W	g	COOK24MV
0525	150602	0	TDCT	30L	12Bt1	TOSC	901M	WHOI	24-25.02N	156-18.00W	g	COOK24MV
0642	150602	0	TDCT	30L	12Bt1	TOSC	901M	WHOI	24-25.02N	156-18.00W	g	COOK24MV
0802	150602	0	TDCT	30L	12Bt1	TOSC	901M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
0900	150602	0	TDCT	30L	12Bt1	TOSC	900M	WHOI	24-25.00N	156-18.00W	g	COOK24MV
1703	150602	0	TDCT	30L	12Bt1	TOSC	600M	WHOI	24-25.02N	156-18.00W	g	COOK24MV
1843	150602	0	TDCT	30L	12Bt1	TOSC	600M	WHOI	24-25.03N	156-18.00W	g	COOK24MV
2032	150602	0	TDCT	30L	12Bt1	TOSC	600M	WHOI	24-25.02N	156-18.00W	g	COOK24MV
2224	150602	0	TDCT	30L	12Bt1	TOSC	600M	WHOI	24-25.05N	156-18.00W	g	COOK24MV

*** Expendable Bathythermographs ***

0708	100602	0	BTXP	MK21	# 45 Fast_Deep	GDC	21-31.63N	158-18.90W	g	COOK24MV
2252	150602	0	BTXP	MK21	# 46 Fast_Deep	GDC	24-25.37N	156-17.64W	g	COOK24MV

End Sample Index

COOK24MV

