

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

**Cook Expedition**

**Leg 25**

**(COOK25MV)**

**R/V Melville**

**(Issued August 2002)**

**Ports:**

Honolulu, Hawaii (20 June 2002)

to

San Diego, California (16 July 2002)

**Chief Scientist: Tracy Villareal**  
University of Texas, Austin  
[tracy@utmsi.utexas.edu](mailto:tracy@utmsi.utexas.edu)

Computer Tech - John Chatwood  
Resident Tech - Woody Sutherland

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

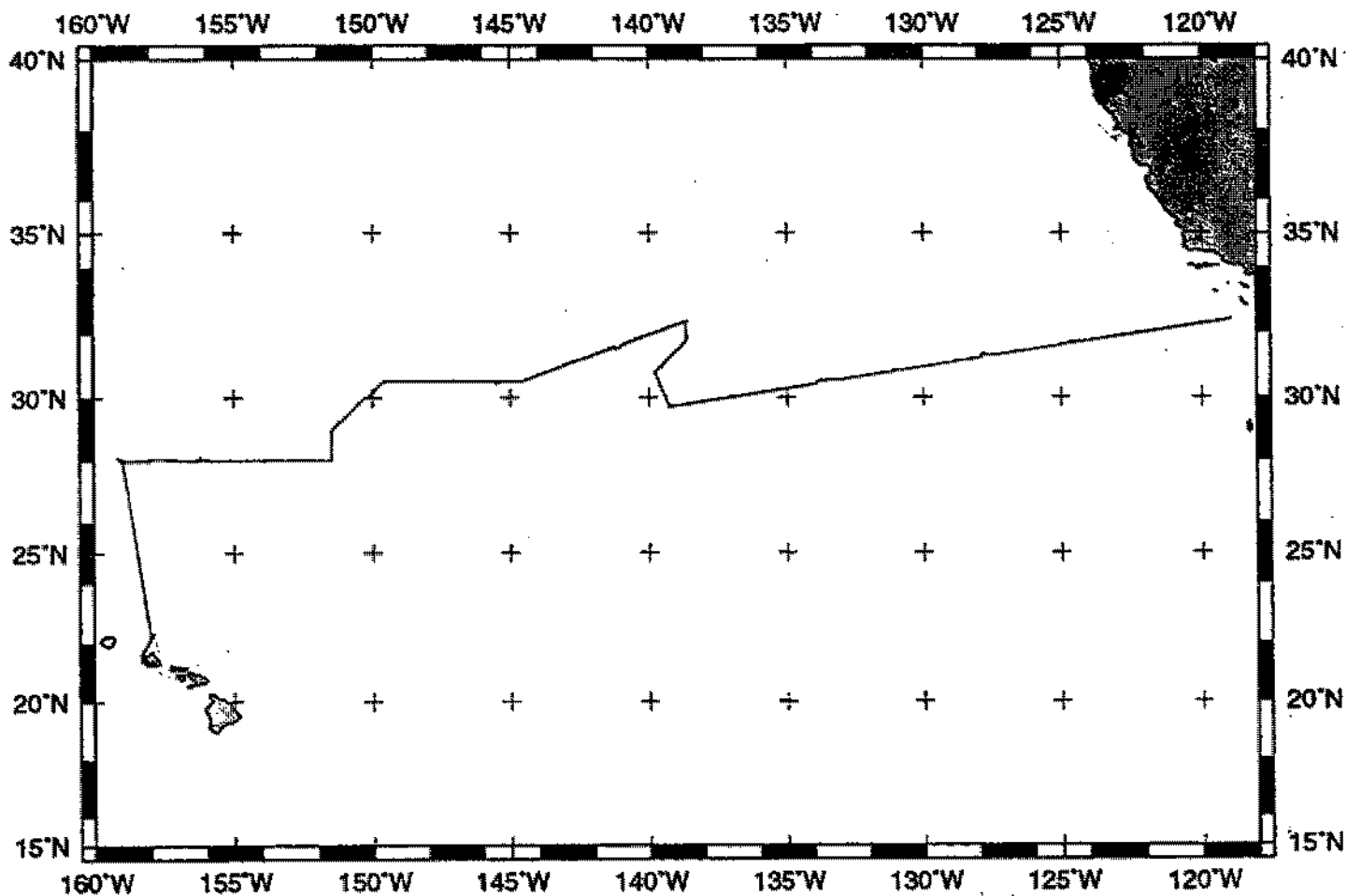
**Profiles** - depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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

Rev 6/2001



**COOK EXPEDITION LEG 25 (COOK25MV)**

**CHIEF SCIENTIST:** Tracy Villareal, University of Texas, Austin

**PORTS:** Honolulu, Hawaii - San Diego, California

**DATES:** 20 June - 16 July 2002

**SHIP:** R/V Melville

**TOTAL MILEAGE OF UNDERWAY DATA COLLECTED**

**Cruise-**3214 miles

**Magnetics-**none collected

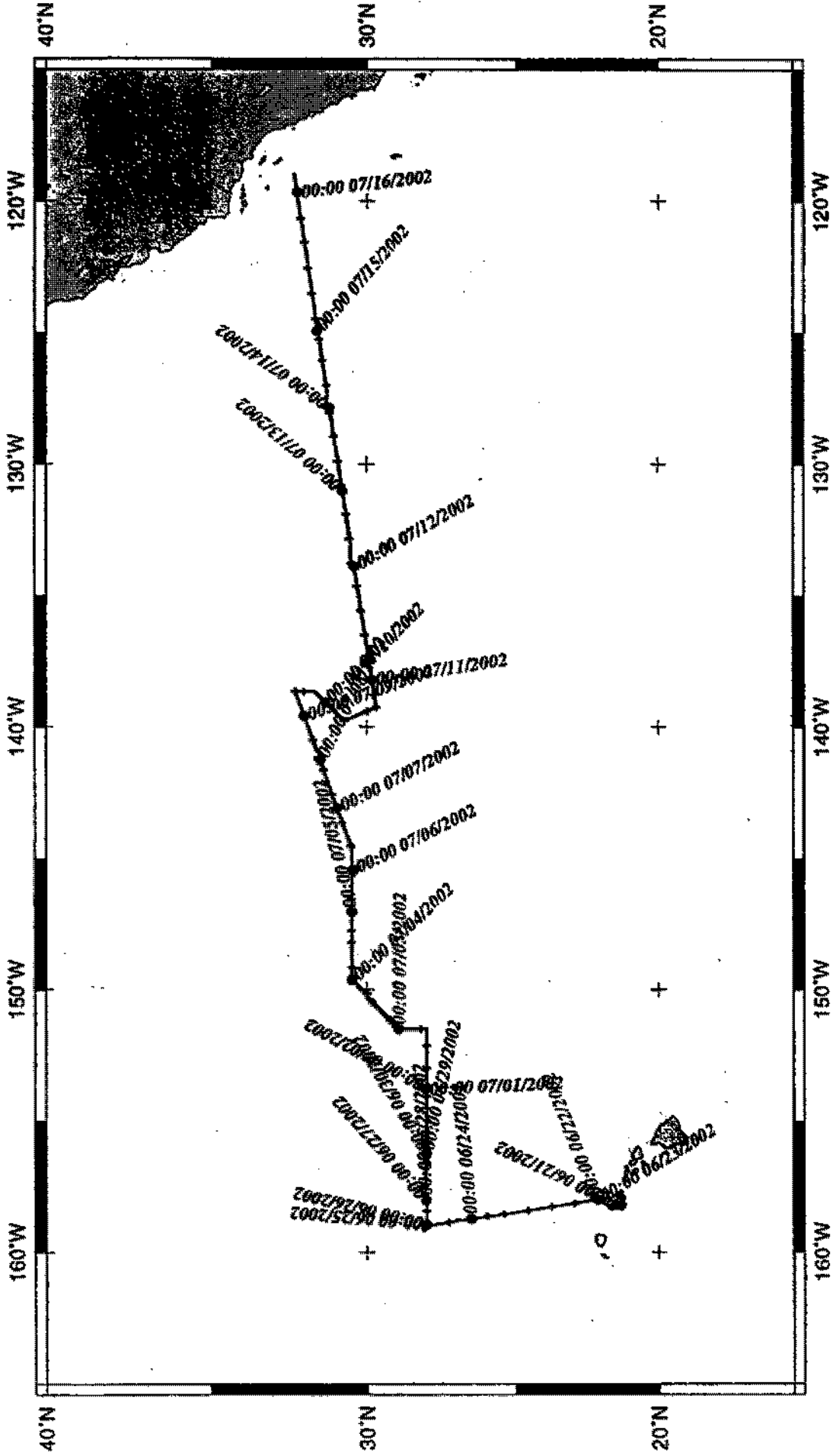
**Bathymetry-**3162 miles

**Seismic Reflection-**none collected

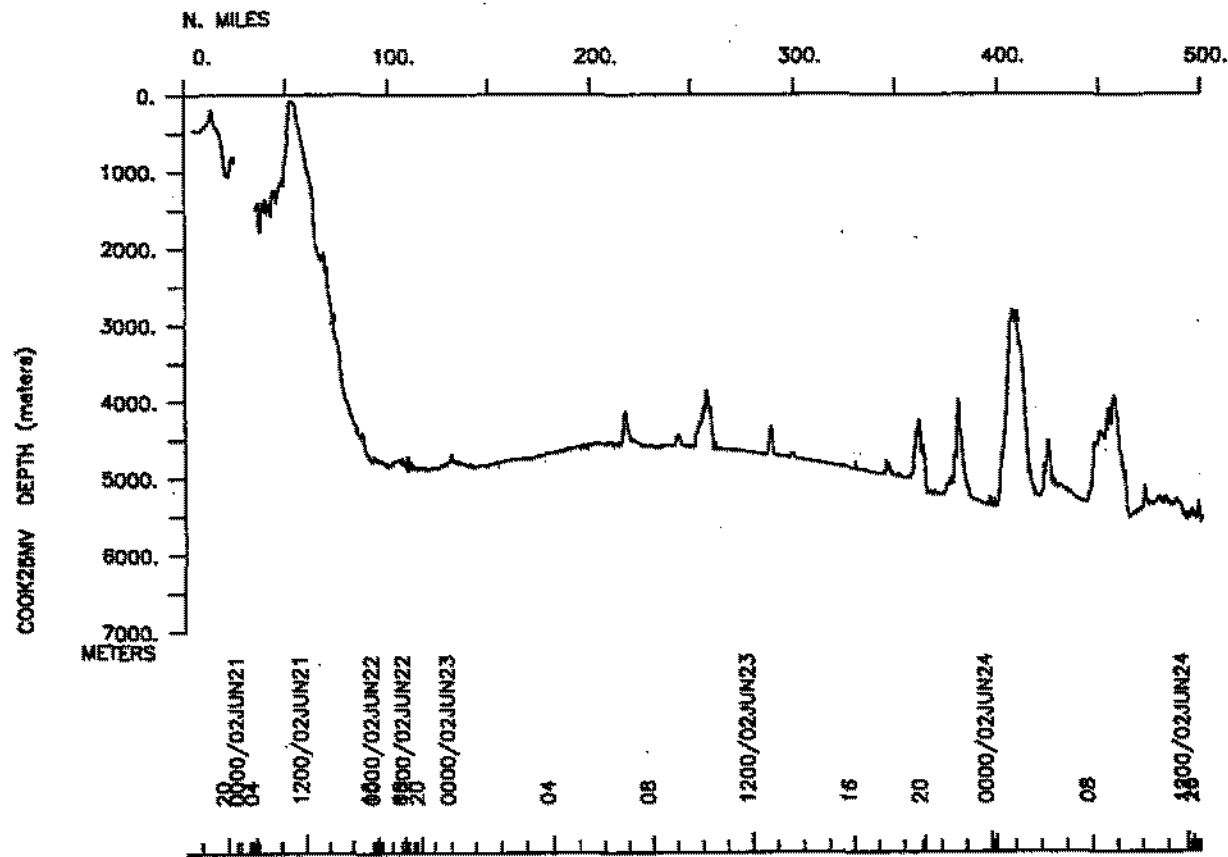
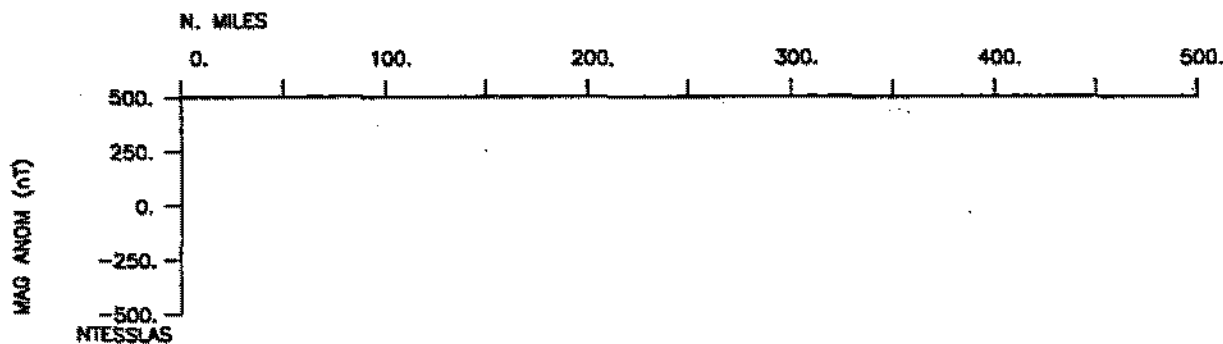
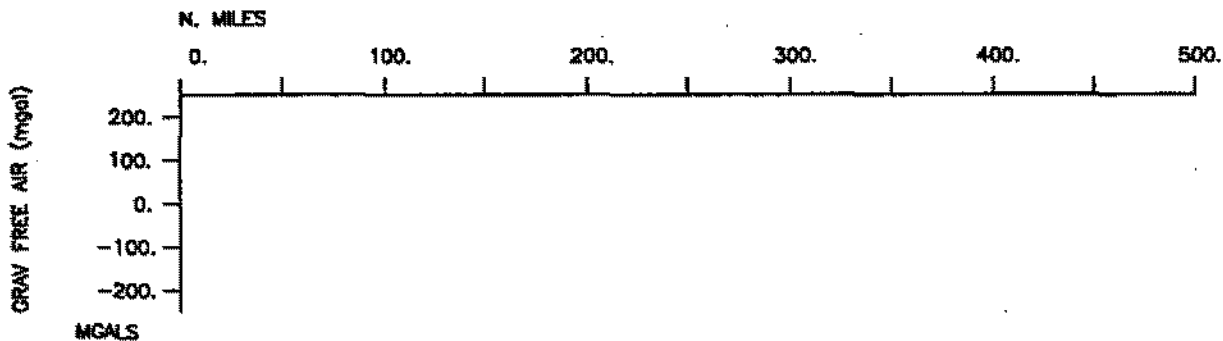
**Multibeam-**3162 miles

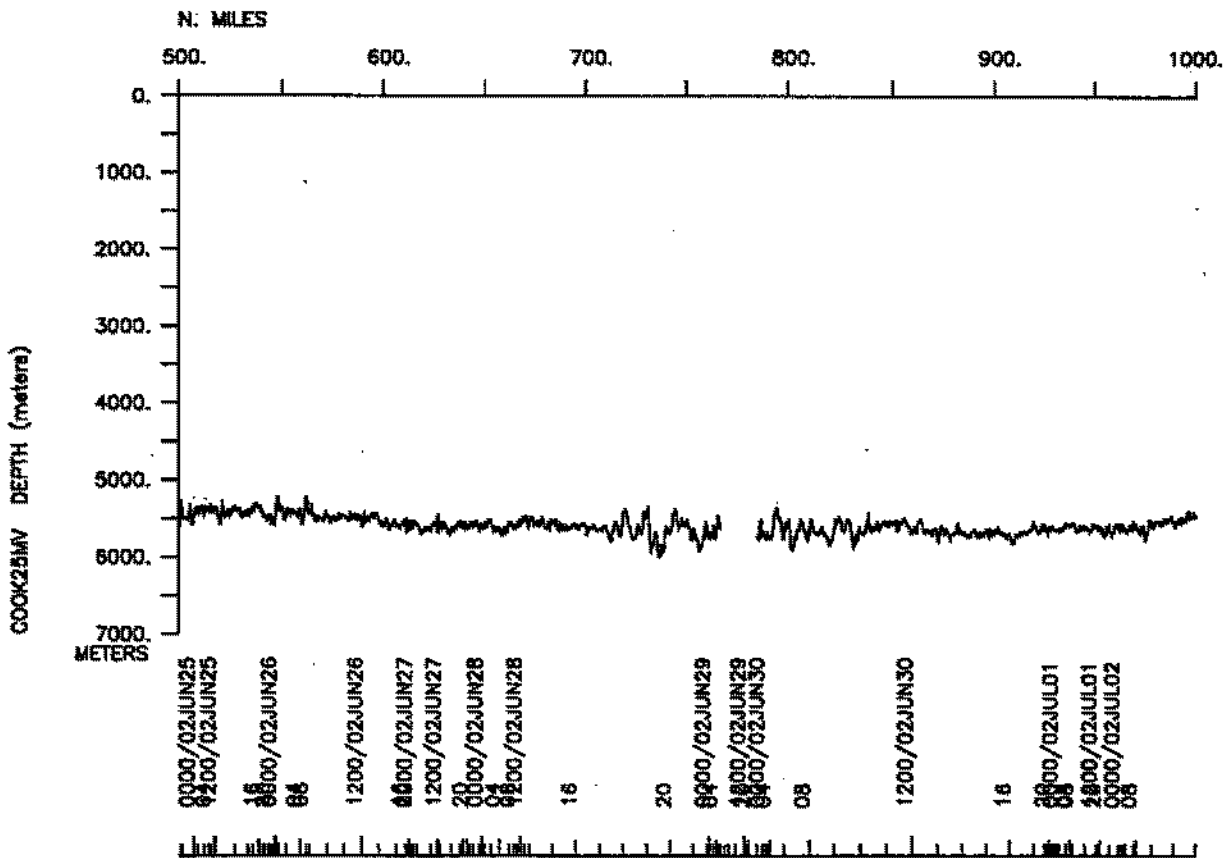
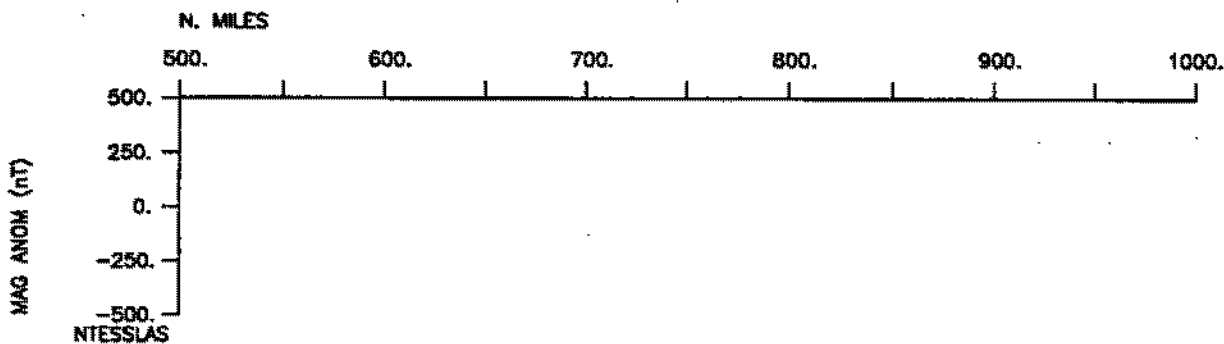
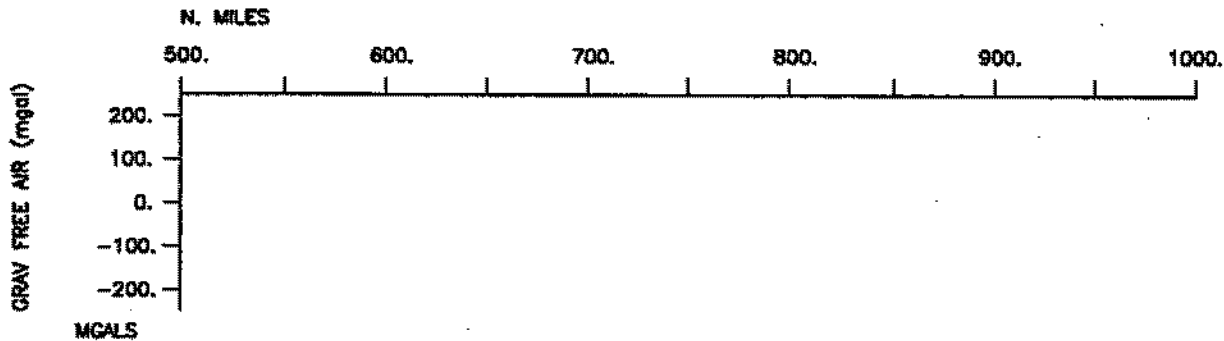
**Gravity-**none collected

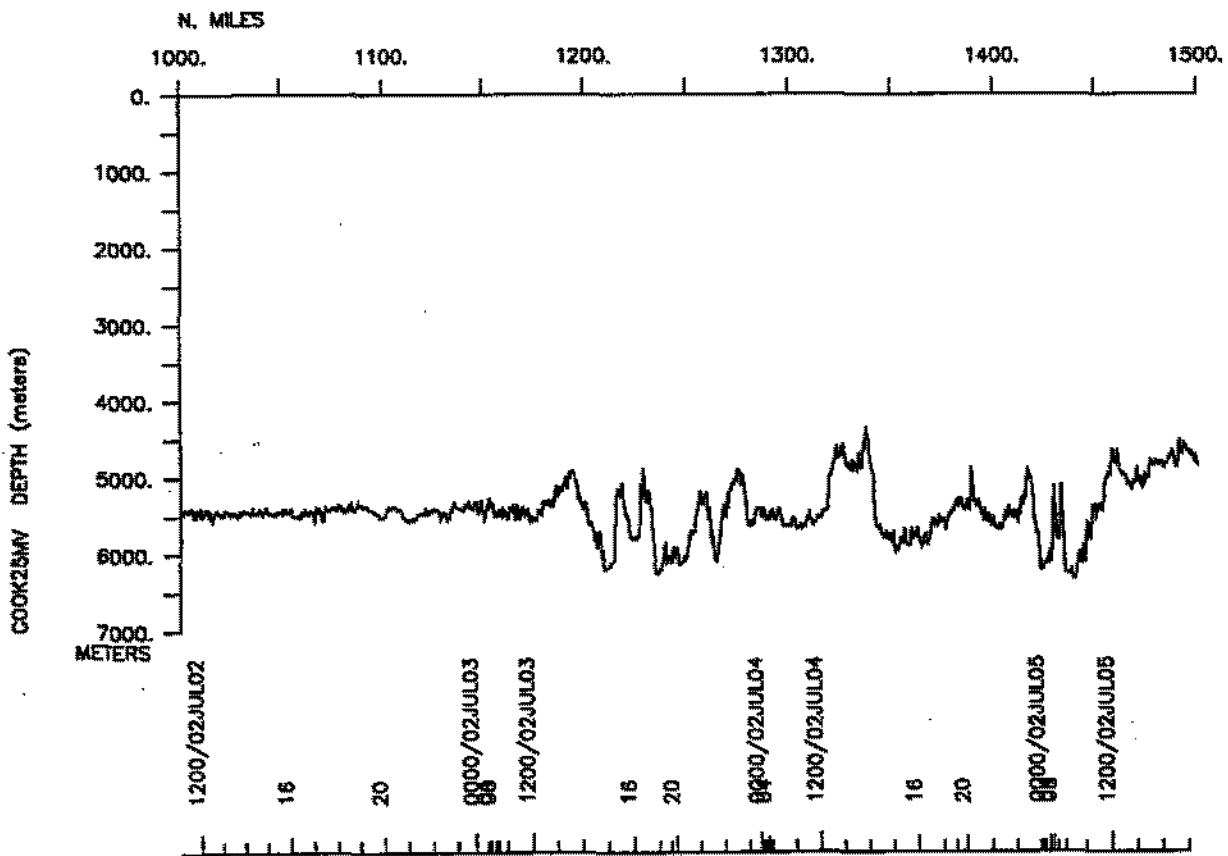
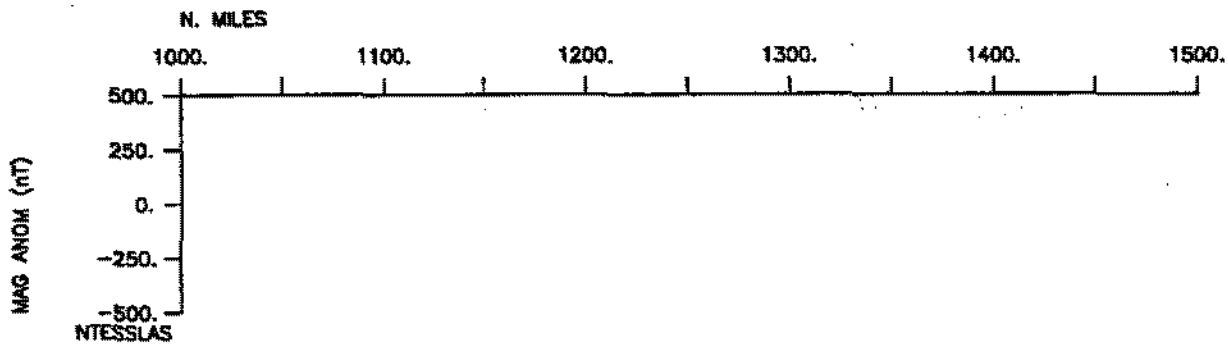
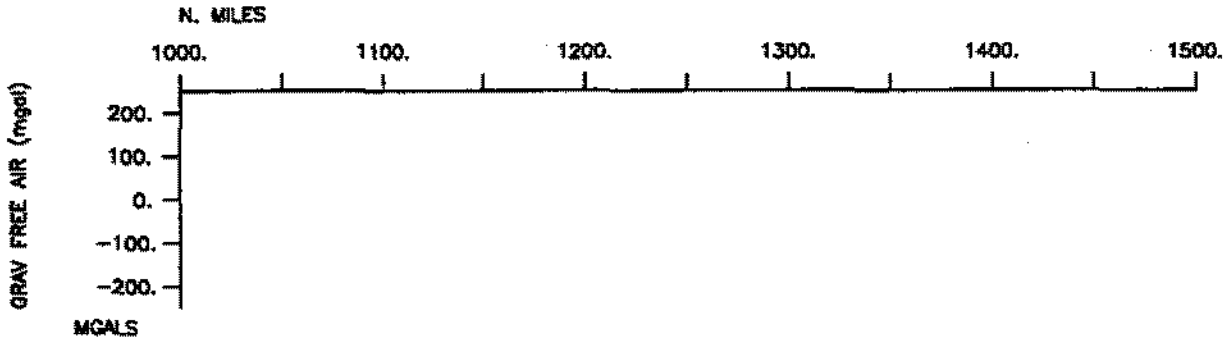
COOK25MV

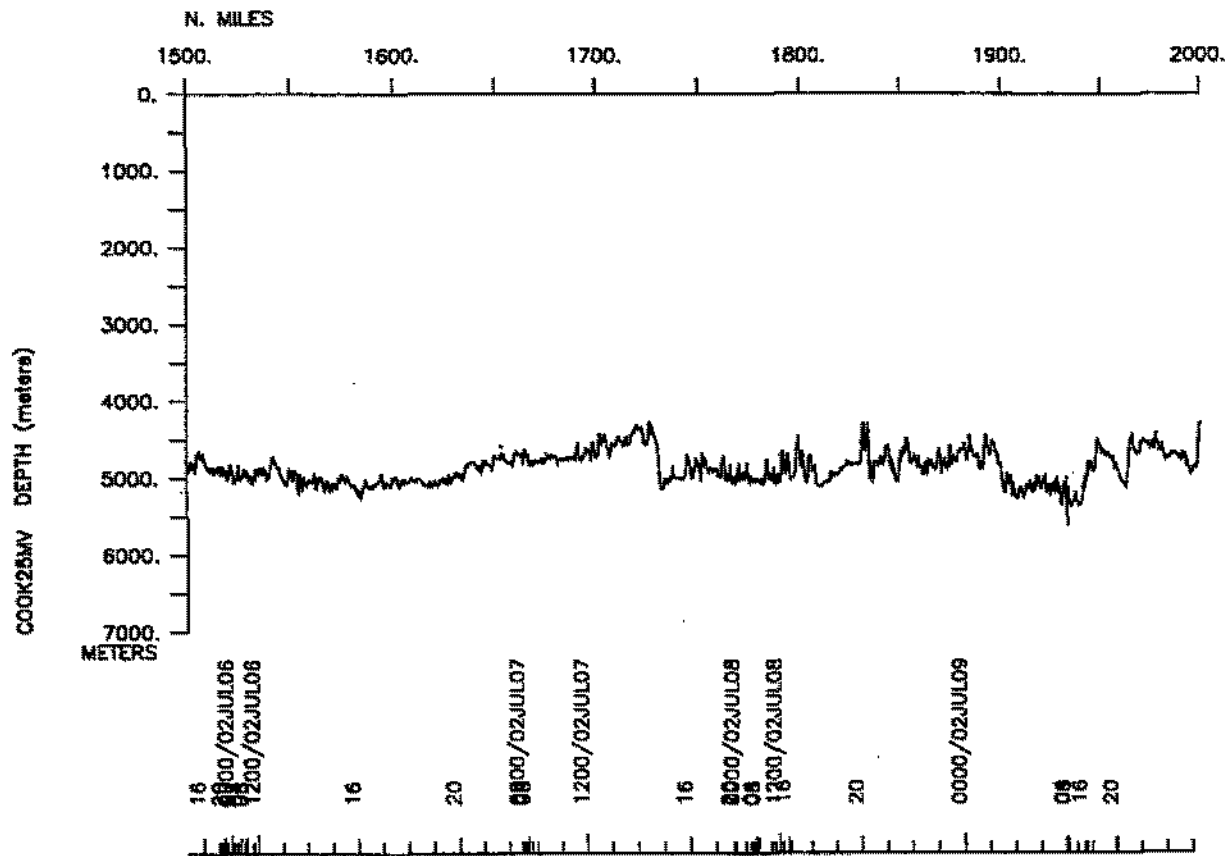
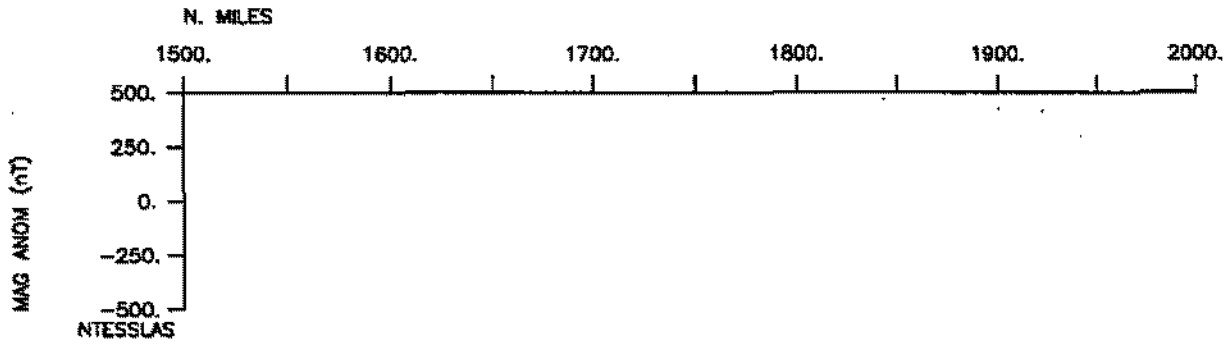


2002 Aug 13 13:38:35 :Honolulu, Hawaii - San Diego, California 20 June - 16 July 2002:

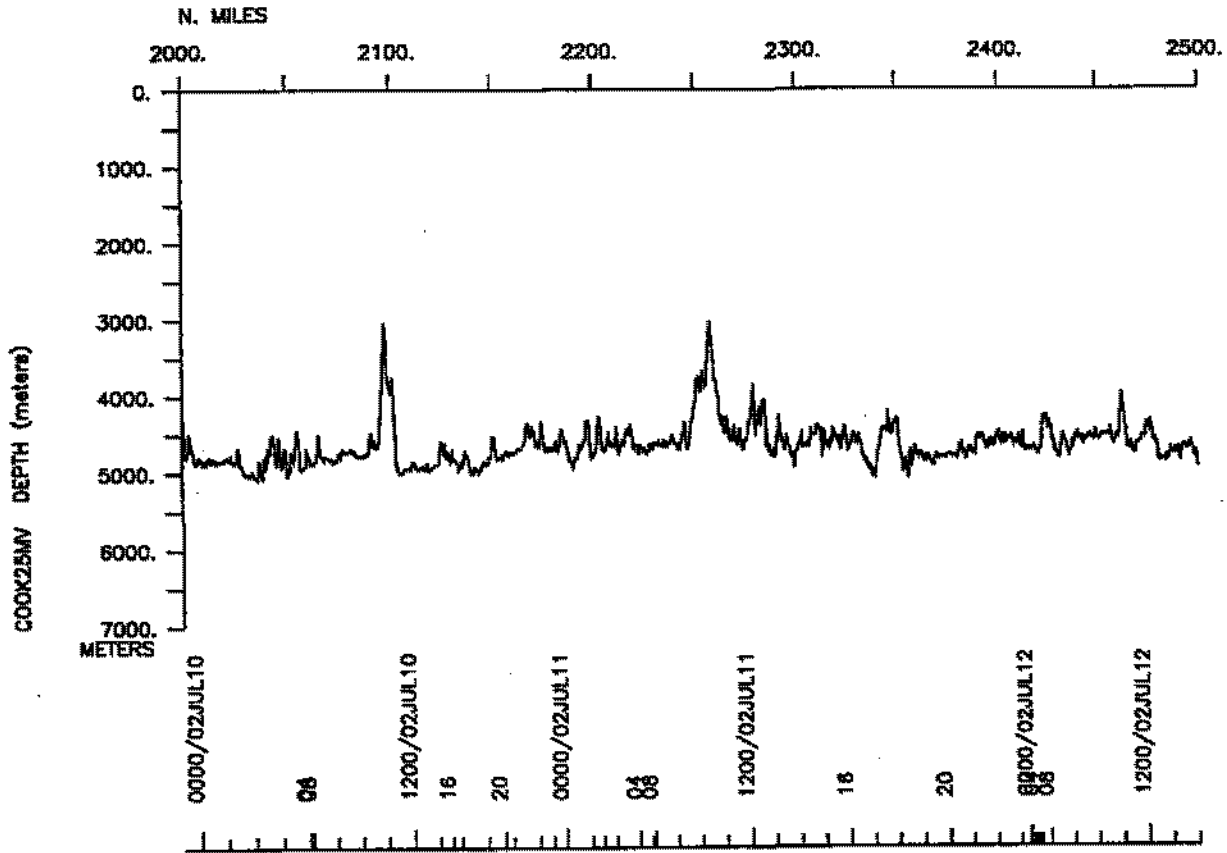
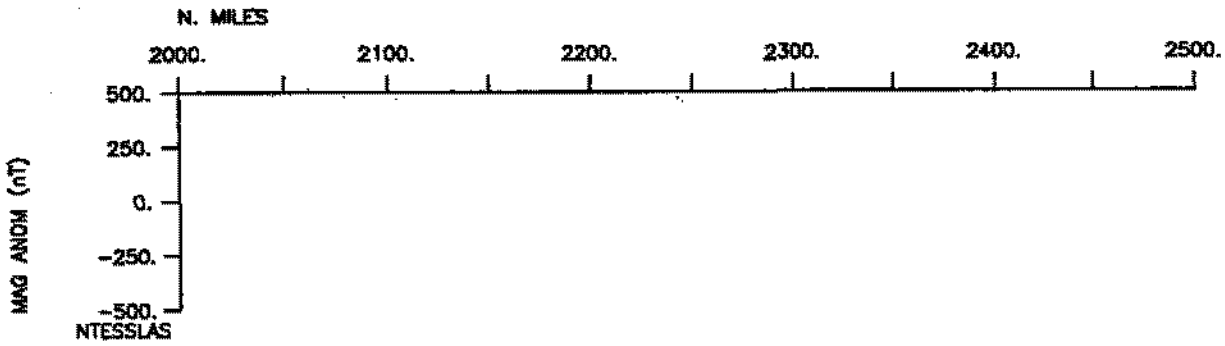
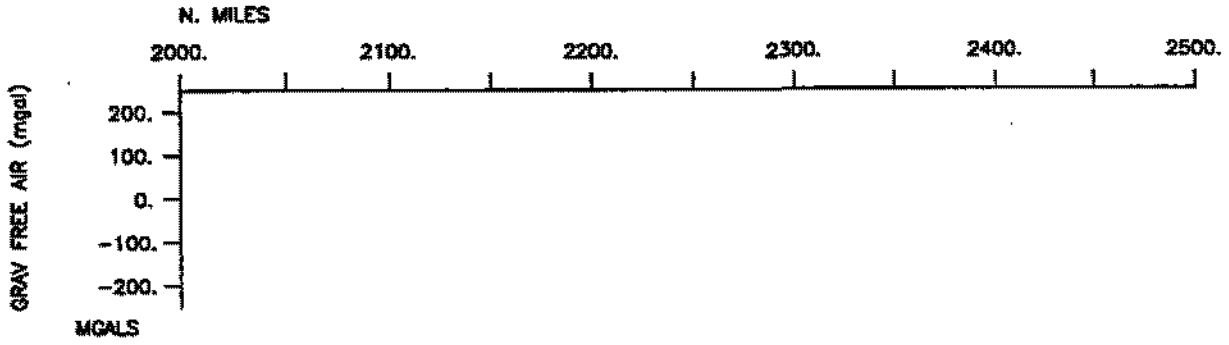


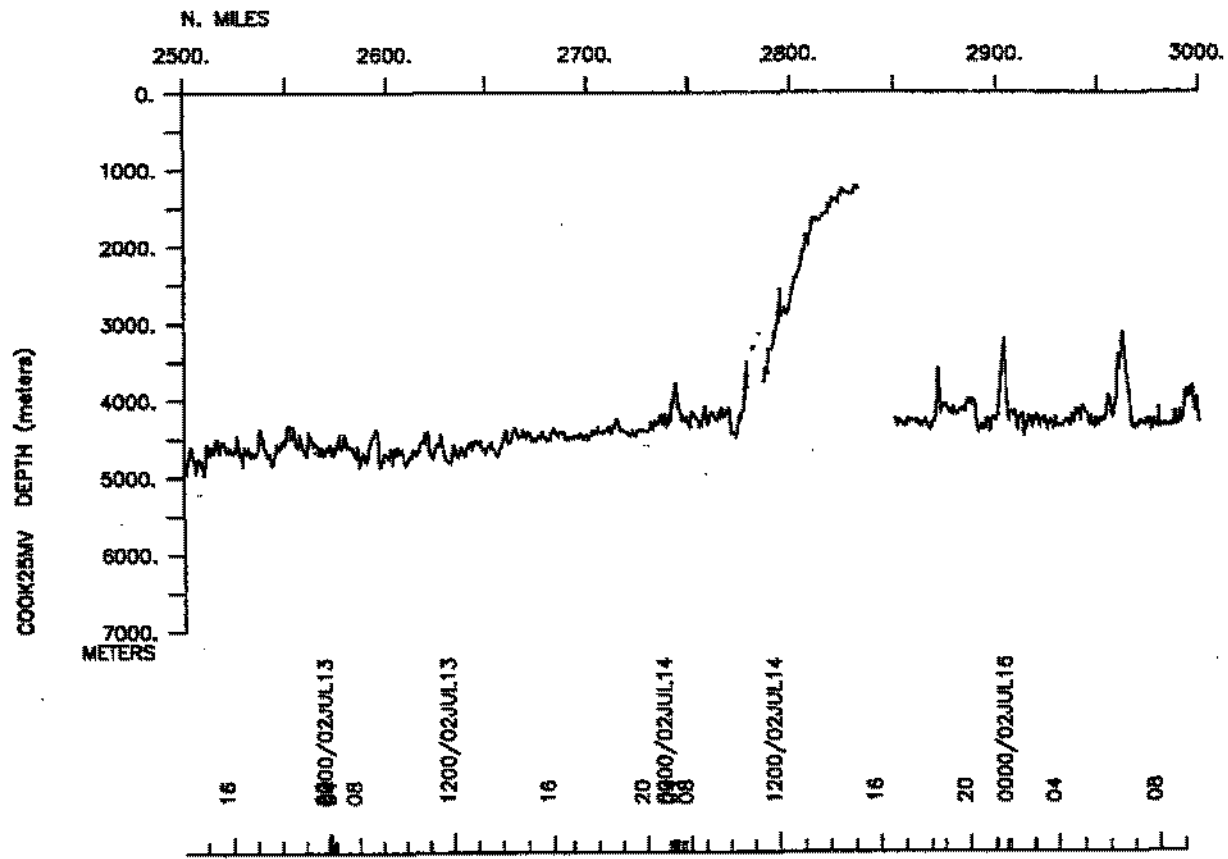
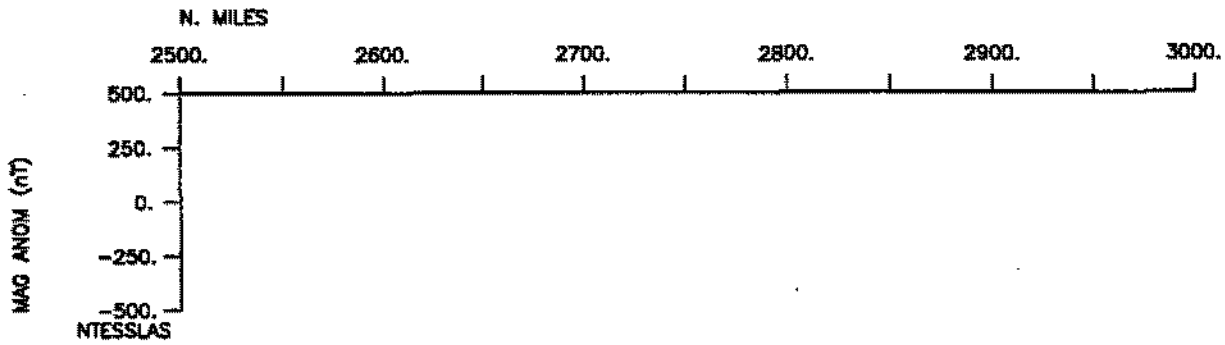
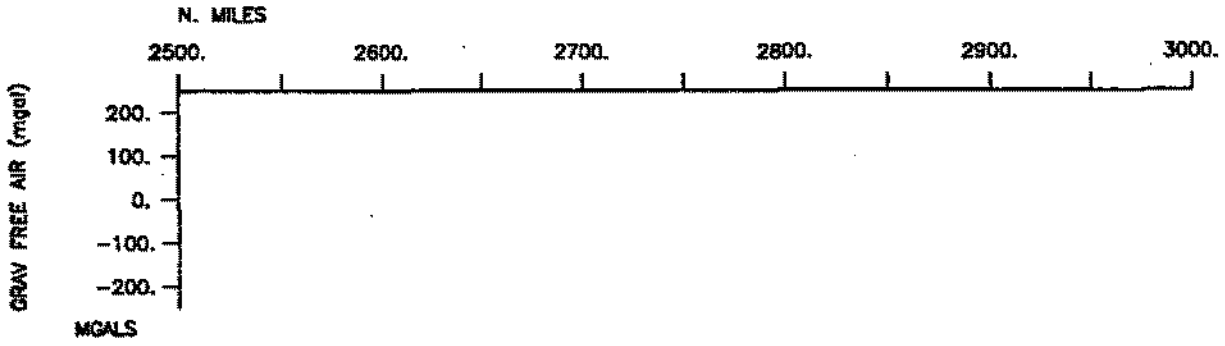


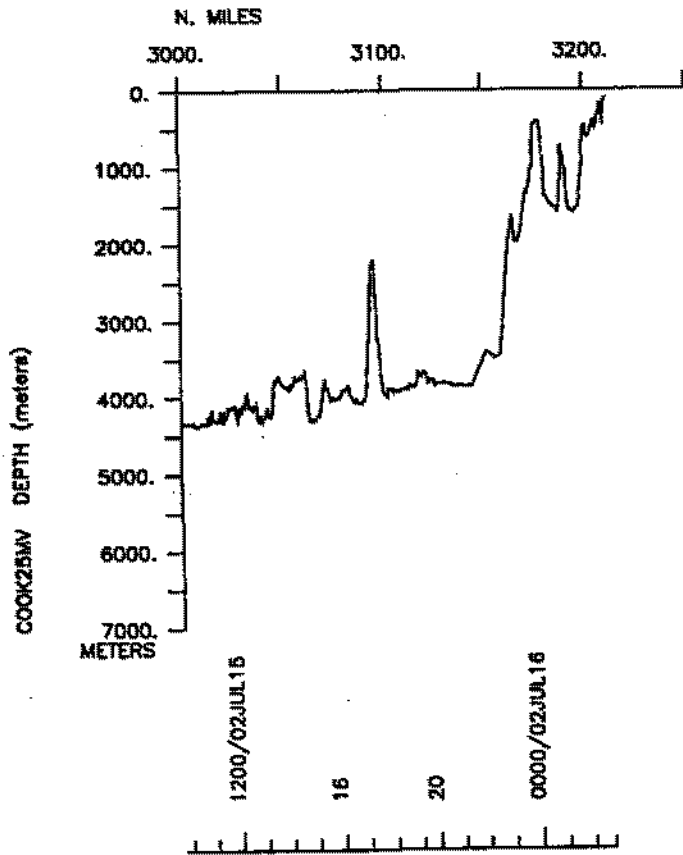
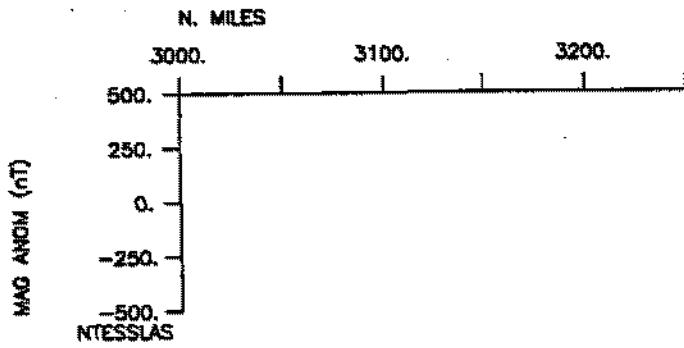
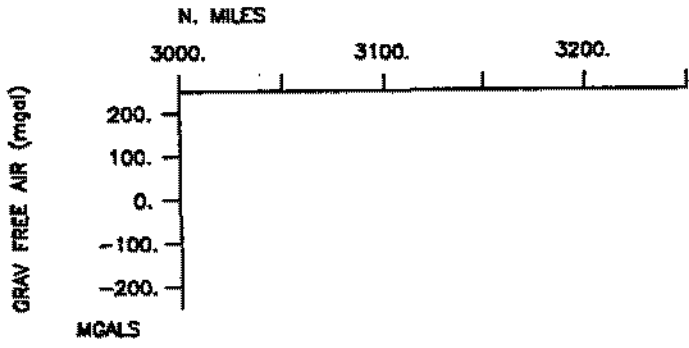












**S.I.O. Sample Index**

**COOK Expedition**

**Leg 25**

**(COOK25MV)**

**R/V Melville**

**(Issued August 2002)**

**PORTS:**

Honolulu, Hawaii (20 June 2002)  
to  
San Diego, California (16 July 2002)

**Chief Scientist :Tracy Villareal**  
University of Texas, Austin

*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 \*\*\*

```
1755 200602   LGPT B Honolulu, Hawaii      21-22.00N 157-58.00W f COOK25MV
0321 160702   LGPT E San Diego, Calif      32-43.00N 117-11.00W f COOK25MV
```

## \*\*\*\* Personnel \*\*\*

```
# *****NAME***** *****TITLE***** *****AFFILIATION***** **CRID**
#-----
PECS UTAN Villareal, Tracy      Chief Scientist      U. of Texas, Austin COOK25MV
PESP SIX Liu, X.                Scientist            U.of So.Florida     COOK25MV
PESP SIX Pilskaia, C.          Sciencist           Bigelow              COOK25MV
PESP SIX Cadwallader, M.      Scientist           Bigelow              COOK25MV
PESP SIX Medows, G.           Scientist            U. of Michigan       COOK25MV
PESP SIX Thompson, D.         Technician          U. of Michigan       COOK25MV
PEST UTAN Singler, H.         Grad Student        U. of Texas, Austin COOK25MV
PEST UTAN Smith, E.          Grad Student        U. of Texas, Austin COOK25MV
PEST SIX Adornato, L.        Grad Student        U. of So. Florida   COOK25MV
PEST SIX Porta-Tena, D.      Grad Student        Bowling Green State COOK25MV
PEST SIX Mustafa Deyab, M.   Grad Student        Bowling Green State COOK25MV
PEST SIX Welbourne, R.      Grad Student        Ryerson Univ.        COOK25MV
PEST SIX Holl, C.           Grad Student        Georgia Tech         COOK25MV
PEST UCSC Gibson, A.        Grad Student        U.C. Santa Cruz     COOK25MV
PEST SIX Foster, R.         Grad Student        San Francisco State COOK25MV
PEST SIX Quinn, K.         Grad Student        U. of So. Florida   COOK25MV
PEST SIX Polans, S.         Student             Univ. of New England COOK25MV
PEST SIX Talianchich, P.    Student             San Francisco State COOK25MV
PEST UCSB Green, K.         Student             U.C. Santa Barbara COOK25MV
PEST UCSB Seruto, C.        Student             U.C. Santa Barbara COOK25MV
PEST UCSB Polcyn, R.        Student             U.C. Santa Barbara COOK25MV
PEST UCSB Meyers, M.        Student             U.C. Santa Barbara COOK25MV
PERT STS Sutherland, W.     Resident Tech      Scripps Institution COOK25MV
PRCT SCG Chatwood, J.       Computer Tech      Scripps Institution COOK25MV
```

## \*\*\*\* 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 ***
```

## \*\*\*\* MultiBeam Data (vertical beam &amp; sidescan) \*\*\*

```
1847 200602   0 MBSR B Multibeam data      GDC  21-15.49N 157-54.29W g COOK25MV
0259 160702   0 MBSR E Multibeam data      GDC  32-23.51N 118-59.14W g COOK25MV
```

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

```
1800 200602   0 IMET B Weather measurements GDC  21-18.90N 157-53.10W g COOK25MV
0300 160702   0 IMET E Weather measurements GDC  32-23.53N 118-58.97W g COOK25MV
```

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

```
1800 200602   0 ADCP B Current measurements GDC  21-18.90N 157-53.10W g COOK25MV
0300 160702   0 ADCP E Current measurements GDC  32-23.53N 118-58.97W g COOK25MV
```

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#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#	-----			-----	-----	-----	-----			-----
#*** Mocness Nets ***										
0651	220602	0	ONMC	B Mocness net	500M MPL	22-10.10N	158-00.13W	g		COOK25MV
0840	220602	0	ONMC	E Mocness net on board	MPL	22-11.72N	157-57.56W	g		COOK25MV
1825	220602	0	ONMC	B Mocness net	300M MPL	22-14.05N	157-57.12W	g		COOK25MV
1943	220602	0	ONMC	E Mocness net on deck	MPL	22-16.20N	157-55.60W	g		COOK25MV
1336	240602	0	ONMC	B Mocness 4-1 deployed	MPL	28-00.04N	159-00.00W	g		COOK25MV
1528	240602	0	ONMC	E Mocness 4-1 on board	MPL	28-02.07N	158-59.70W	g		COOK25MV
2228	250602	0	ONMC	B Mocness 4-11	400M MPL	27-59.80N	158-59.44W	g		COOK25MV
0007	260602	0	ONMC	E Mocness 4-11	MPL	27-59.29N	158-56.91W	g		COOK25MV
0027	260602	0	ONMC	B Mocness 4-12	MPL	27-59.21N	158-56.71W	g		COOK25MV
0051	260602	0	ONMC	E Mocness 4-12	MPL	27-59.11N	158-56.20W	g		COOK25MV
2323	270602	0	ONMC	B Mocness 5-13	350M MPL	28-00.23N	158-00.08W	g		COOK25MV
0115	280602	0	ONMC	E Mocness 5-13 on deck	MPL	28-02.97N	157-59.96W	g		COOK25MV
0340	290602	0	ONMC	B Mocness 6-5	330M MPL	28-01.52N	156-14.10W	g		COOK25MV
0454	290602	0	ONMC	E Mocness 6-5 on deck	MPL	28-02.31N	156-12.56W	g		COOK25MV
0807	290602	0	ONMC	B Large Mocness 6-7	MPL	28-02.70N	156-13.14W	g		COOK25MV
1032	290602	0	ONMC	E Mocness 6-7 on board	MPL	28-07.23N	156-12.87W	g		COOK25MV
0054	300602	0	ONMC	B Mocness 6-13	400M MPL	28-01.14N	156-13.92W	g		COOK25MV
0000	010702	0	ONMC	E Mocness 6-13	MPL	28-02.80N	153-46.20W	g		COOK25MV
2017	010702	0	ONMC	B Baby Moc 7-2	400M MPL	27-59.14N	153-45.72W	g		COOK25MV
2155	010702	0	ONMC	E Mocness 7-2 on deck	MPL	28-00.02N	153-44.14W	g		COOK25MV
0752	030702	0	ONMC	B Baby Moc 8-4	390M MPL	29-01.88N	151-25.61W	g		COOK25MV
0948	030702	0	ONMC	E Mocness 8-4 on deck	MPL	29-03.81N	151-23.94W	g		COOK25MV
0203	040702	0	ONMC	B Mocness 10-2	350M MPL	30-28.31N	149-38.25W	g		COOK25MV
0337	040702	0	ONMC	E Mocness 10-2 aboard	MPL	30-29.94N	149-36.77W	g		COOK25MV
0730	050702	0	ONMC	B Baby Moc 12-5 depldyd	MPL	30-30.26N	147-01.96W	g		COOK25MV
0900	050702	0	ONMC	E Mocness 12-5 on deck	MPL	30-32.94N	147-01.91W	g		COOK25MV
2316	050702	0	ONMC	B Mocness 13-4	400M MPL	30-27.33N	145-24.83W	g		COOK25MV
0023	060702	0	ONMC	E Mocness 13-4 on deck	MPL	30-26.30N	145-27.11W	g		COOK25MV
0215	060702	0	ONMC	B Mocness 13-6	845M MPL	30-26.15N	145-27.48W	g		COOK25MV
0455	060702	0	ONMC	E Momma Mocness 13-6	MPL	30-25.44N	145-33.06W	g		COOK25MV
0754	070702	0	ONMC	B Baby Mocness 14-6	MPL	30-59.07N	143-05.54W	g		COOK25MV
0855	070702	0	ONMC	E Mocness 14-6 on deck	MPL	31-00.96N	143-04.97W	g		COOK25MV
0124	080702	0	ONMC	B Mocness 15-4	880M MPL	31-32.60N	141-16.49W	g		COOK25MV
0342	080702	0	ONMC	E Mocness 15-4 aboard	MPL	31-33.91N	141-12.63W	g		COOK25MV
1443	080702	0	ONMC	B Baby Moc 15-10	390M MPL	31-30.11N	141-13.02W	g		COOK25MV
1605	080702	0	ONMC	E Baby Moc 15-10	MPL	31-29.57N	141-09.76W	g		COOK25MV
1754	090702	0	ONMC	B Baby Mocness 16-6	MPL	32-19.17N	138-39.35W	g		COOK25MV
1844	090702	0	ONMC	E Baby Mocness 16-6	MPL	32-17.28N	138-39.15W	g		COOK25MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		c	LEG-SHIP
#										
0110	120702	0	ONMC	B Baby Moc 23-2	393M MPL	30-24.92N	133-52.94W	g		COOK25MV
0158	120702	0	ONMC	E Baby Moc 23-2	MPL	30-26.50N	133-52.40W	g		COOK25MV
0501	120702	0	ONMC	B Momma Mocness 23-4	MPL	30-27.60N	133-52.41W	g		COOK25MV
0728	120702	0	ONMC	E Momma Mocness 23-4	MPL	30-30.65N	133-52.46W	g		COOK25MV
2333	120702	0	ONMC	B Baby Moc 24-3 deploy	MPL	30-47.97N	131-00.78W	g		COOK25MV
0049	130702	0	ONMC	E Mocness 24-3 aboard	MPL	30-49.50N	131-02.86W	g		COOK25MV
0019	140702	0	ONMC	B Mocness 25-3 414M	MPL	31-13.22N	127-51.52W	g		COOK25MV
0125	140702	0	ONMC	E Mocness 25-3 aboard	MPL	31-15.13N	127-51.94W	g		COOK25MV
0420	140702	0	ONMC	B Momma Mocness 25-5	MPL	31-15.23N	127-51.97W	g		COOK25MV
0654	140702	0	ONMC	E Momma Mocness 25-5	MPL	31-19.25N	127-54.48W	g		COOK25MV
2139	140702	0	ONMC	B Baby Moc 26-1 365M	MPL	31-36.53N	124-54.82W	g		COOK25MV
2243	140702	0	ONMC	E Mocness Tow 26-1	MPL	31-38.17N	124-56.20W	g		COOK25MV
**** Nitrite Profilers ****										
0729	210602	0	PHRC	B Nitrite prof. 200M	MPL	21-19.11N	158-15.94W	g		COOK25MV
0852	210602	0	PHRC	E Nitrite prof. on	MPL	21-19.11N	158-15.94W	g		COOK25MV
2356	210602	0	PHRC	B Nitrite prof. 2 200M	MPL	22-10.00N	158-00.00W	g		COOK25MV
0106	220602	0	PHRC	E Nitrite prof. 2	MPL	22-10.04N	158-00.00W	g		COOK25MV
1303	220602	0	PHRC	B Nitrite prof. 3 200M	MPL	22-11.75N	157-57.56W	g		COOK25MV
1409	220602	0	PHRC	E Nitrite prof. 3	MPL	22-11.84N	157-57.57W	g		COOK25MV
2212	220602	0	PHRC	B Nitrite prof. 4 200M	MPL	22-10.02N	157-59.68W	g		COOK25MV
2317	220602	0	PHRC	E Nitrite prof. 4	MPL	22-10.12N	157-59.67W	g		COOK25MV
1951	230602	0	PHRC	B Nitrite prof. 5 200M	MPL	25-57.36N	158-37.46W	g		COOK25MV
2058	230602	0	PHRC	E Nitrite prof. 5	MPL	25-57.36N	158-37.46W	g		COOK25MV
0530	240602	0	PHRC	B Nitrite prof. 4-7	MPL	26-44.00N	158-46.72W	g		COOK25MV
0649	240602	0	PHRC	E Nitrite prof. 4-7	MPL	26-59.46N	158-47.78W	g		COOK25MV
0438	250602	0	PHRC	B Nitrite pr.4-14 200M	MPL	27-58.42N	158-54.14W	g		COOK25MV
0542	250602	0	PHRC	E Nitrite prof. 4-14	MPL	27-58.47N	158-53.99W	g		COOK25MV
0440	270602	0	PHRC	B Nitrite cast5-7 200M	MPL	28-00.00N	158-00.09W	g		COOK25MV
0545	270602	0	PHRC	E Nitrite cast 5-7	MPL	28-00.00N	158-00.09W	g		COOK25MV
0705	280602	0	PHRC	B Nitrite prof. 5-15	MPL	27-59.96N	157-59.95W	g		COOK25MV
0825	280602	0	PHRC	E Nitrite prof. 5-15	MPL	27-59.96N	157-59.95W	g		COOK25MV
1141	290602	0	PHRC	X Nitrite prof. 6-8	MPL	28-01.44N	156-13.49W	g		COOK25MV
1417	290602	0	PHRC	B Nitrite pr.6-8 250M	MPL	28-01.44N	156-13.49W	g		COOK25MV
1550	290602	0	PHRC	E Nitrite prof. 6-8	MPL	28-01.44N	156-13.49W	g		COOK25MV
1052	010702	0	PHRC	B Nitrite pr.7-8 250M	MPL	27-59.98N	153-44.05W	g		COOK25MV
1213	010702	0	PHRC	E Nitrite prof. 7-8	MPL	27-59.98N	153-44.04W	g		COOK25MV
0200	020702	0	PHRC	B Nitrite pr.7-13 250M	MPL	27-59.46N	153-44.97W	g		COOK25MV
0327	020702	0	PHRC	E Nitrite prof. 7-13	MPL	27-59.47N	153-44.96W	g		COOK25MV

#GMT #TIME #	DDMMYY DATE	SAMP TZ	B CODE	SAMPLE E IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
0214	030702	0	PHRC	B Nitrite pr. 8-2 250M	MPL	29-00.82N	151-25.25W	g	COOK25MV
0341	030702	0	PHRC	E Nitrite prof. 8-2	MPL	29-00.82N	151-25.25W	g	COOK25MV
0354	040702	0	PHRC	B Nitrite prof. 10-3	MPL	30-29.95N	149-36.79W	g	COOK25MV
0527	040702	0	PHRC	E Nitrite prof. 10-3	MPL	30-29.96N	149-36.79W	g	COOK25MV
0357	050702	0	PHRC	B Nitrite pr.12-3 250M	MPL	30-29.70N	147-01.55W	g	COOK25MV
0501	050702	0	PHRC	E Nitrite prof. 12-3	MPL	30-29.70N	147-01.55W	g	COOK25MV
0859	060702	0	PHRC	B Nitrite prof. 13-8	MPL	30-27.16N	145-30.58W	g	COOK25MV
1038	060702	0	PHRC	E Nitrite prof. 13-8	MPL	30-27.16N	145-30.58W	g	COOK25MV
0041	070702	0	PHRC	B Nitrite pr.14-2 250M	MPL	30-57.66N	143-05.80W	g	COOK25MV
0159	070702	0	PHRC	E Nitrite prod. 14-2	MPL	30-57.66N	143-05.79W	g	COOK25MV
0350	080702	0	PHRC	B Nitrite pr.15-5 250M	MPL	31-33.96N	141-12.56W	g	COOK25MV
0515	080702	0	PHRC	E Nitrite prof. 15-5	MPL	31-33.96N	141-12.56W	g	COOK25MV
1258	080702	0	PHRC	B Nitrite pr.15-9 250M	MPL	31-30.10N	141-13.06W	g	COOK25MV
1412	080702	0	PHRC	E Nitrite prof. 15-9	MPL	31-30.10N	141-13.06W	g	COOK25MV
1440	090702	0	PHRC	B Nitrite pr.16-4 250M	MPL	32-19.72N	138-38.64W	g	COOK25MV
1516	090702	0	PHRC	E Nitrite prof. 16-4	MPL	32-19.72N	138-38.64W	g	COOK25MV
0358	120702	0	PHRC	B Nitrite pr.23-3 300M	MPL	30-27.52N	133-52.42W	g	COOK25MV
0440	120702	0	PHRC	E Nitrite prof. 23-3	MPL	30-27.52N	133-52.42W	g	COOK25MV
2137	120702	0	PHRC	B Nitrite pr.24-2 300M	MPL	30-47.95N	131-00.72W	g	COOK25MV
2310	120702	0	PHRC	E Nitrite prof. 24-2	MPL	30-47.95N	131-00.72W	g	COOK25MV
2202	130702	0	PHRC	B Nitrite pr.25-2 350M	MPL	31-13.12N	127-51.48W	g	COOK25MV
0007	140702	0	PHRC	E Nitrite prof. 25-2	MPL	31-13.12N	127-51.48W	g	COOK25MV
2255	140702	0	PHRC	B Nitrite pr.26-2 400M	MPL	31-38.18N	124-56.25W	g	COOK25MV
0015	150702	0	PHRC	E Nitrite prof. 26-2	MPL	31-38.18N	124-56.25W	g	COOK25MV

\*\*\* Conductivity, Temperature, Depth \*\*\*

1708	210602	0	TDCT	B CTD 1	400M	MPL	22-00.00N	157-59.99W	g	COOK25MV
1801	210602	0	TDCT	E CTD 1 on deck		MPL	22-10.00N	158-00.00W	g	COOK25MV
1534	220602	0	TDCT	B CTD 2	400M	MPL	22-11.84N	157-57.57W	g	COOK25MV
1627	220602	0	TDCT	E CTD 2 ON DECK		MPL	22-11.84N	157-57.57W	g	COOK25MV
1619	240602	0	TDCT	B CTD 4-2	400M	MPL	28-01.05N	159-00.07W	g	COOK25MV
1708	240602	0	TDCT	E CTD 4-2 ON DECK		MPL	28-01.05N	159-00.07W	g	COOK25MV
0706	250602	0	TDCT	B CTD 4-8	400M	MPL	27-58.61N	158-53.85W	g	COOK25MV
0750	250602	0	TDCT	E CTD 4-8 on deck		MPL	27-58.61N	158-53.86W	g	COOK25MV
0857	250602	0	TDCT	B CTD 4-9	400M	MPL	27-58.61N	158-53.86W	g	COOK25MV
0944	250602	0	TDCT	E CTD 4-9 on deck		MPL	27-58.61N	158-53.86W	g	COOK25MV
2209	260602	0	TDCT	B CTD 5-4	400M	MPL	28-00.50N	158-01.15W	g	COOK25MV
2320	260602	0	TDCT	E CTD 5-4 on deck		MPL	28-00.51N	158-01.15W	g	COOK25MV
0336	270602	0	TDCT	B CTD 5-6	400M	MPL	28-00.00N	158-00.09W	g	COOK25MV
0425	270602	0	TDCT	E CTD 5-6 aboard		MPL	28-00.00N	158-00.10W	g	COOK25MV
0909	270602	0	TDCT	B CTD 5-9	4953M	MPL	28-00.01N	158-00.90W	g	COOK25MV
1243	270602	0	TDCT	E CTD 5-9 on deck		MPL	28-00.01N	158-00.90W	g	COOK25MV



#GMT	DDMMYY	SAMP	B	SAMPLE	DISP					p	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE			c	LEG-SHIP
#	-----	---	---	-----	---	-----	-----	-----	-----	---	-----
0840	280602	0	TDCT	B CTD 5-16	300M	MPL	27-59.96N	157-59.95W	g		COOK25MV
0943	280602	0	TDCT	E CTD 5-16 on deck		MPL	27-59.96N	157-59.95W	g		COOK25MV
1729	290602	0	TDCT	B CTD 6-10	400M	MPL	28-02.24N	156-13.57W	g		COOK25MV
1830	290602	0	TDCT	E CTD 6-10 on deck		MPL	28-02.24N	156-13.57W	g		COOK25MV
2157	290602	0	TDCT	B CTD 6-12	400M	MPL	27-59.99N	156-13.98W	g		COOK25MV
2254	290602	0	TDCT	E CTD 6-12 on deck		MPL	27-59.99N	156-13.97W	g		COOK25MV
0738	010702	0	TDCT	B CTD 7-7	416M	MPL	28-00.43N	153-44.84W	g		COOK25MV
0839	010702	0	TDCT	E CTD 7-7 on deck		MPL	28-00.43N	153-44.84W	g		COOK25MV
1411	010702	0	TDCT	B CTD 7-9	4937M	MPL	27-59.98N	153-44.04W	g		COOK25MV
1811	010702	0	TDCT	E CTD 7-9 ON DECK		MPL	27-59.98N	153-44.04W	g		COOK25MV
2142	010702	0	TDCT	B CTD 7-11	400M	MPL	28-00.03N	153-44.15W	g		COOK25MV
2242	010702	0	TDCT	E CTD 7-11 on deck		MPL	28-00.03N	153-44.13W	g		COOK25MV
0059	030702	0	TDCT	B CTD 8-1	300M	MPL	29-00.82N	151-25.25W	g		COOK25MV
0158	030702	0	TDCT	E CTD 8-1 aboard		MPL	29-00.82N	151-25.25W	g		COOK25MV
0743	040702	0	TDCT	B CTD 10-5	10M	MPL	30-30.25N	149-36.91W	g		COOK25MV
0751	040702	0	TDCT	E CTD 10-5 on deck		MPL	30-30.25N	149-36.91W	g		COOK25MV
0808	040702	0	TDCT	B CTD 10-6	300M	MPL	30-30.25N	149-36.91W	g		COOK25MV
0900	040702	0	TDCT	E CTD 10-6 on deck		MPL	30-30.25N	149-36.91W	g		COOK25MV
0130	050702	0	TDCT	B CTD 12-2	300M	MPL	30-28.56N	147-02.84W	g		COOK25MV
0225	050702	0	TDCT	E CTD 12-2 aboard		MPL	30-28.56N	147-02.83W	g		COOK25MV
0052	060702	0	TDCT	B CTD 13-5	300M	MPL	30-26.23N	145-27.21W	g		COOK25MV
0150	060702	0	TDCT	E CTD 13-5 aboard		MPL	30-26.23N	145-27.21W	g		COOK25MV
1029	060702	0	TDCT	B CTD 13-9	500M	MPL	30-27.16N	145-30.58W	g		COOK25MV
1137	060702	0	TDCT	E CTD 13-9 on deck		MPL	30-27.16N	145-30.58W	g		COOK25MV
0235	070702	0	TDCT	B CTD 14-3	400M	MPL	30-57.66N	143-05.80W	g		COOK25MV
0338	070702	0	TDCT	E CTD 14-3 aboard		MPL	30-57.66N	143-05.79W	g		COOK25MV
2016	070702	0	TDCT	B CTD 15-2	500M	MPL	31-32.21N	141-15.66W	g		COOK25MV
2151	070702	0	TDCT	E CTD 15-2 on deck		MPL	31-32.21N	141-15.66W	g		COOK25MV
0804	080702	0	TDCT	B CTD 15-7	400M	MPL	31-34.63N	141-12.23W	g		COOK25MV
0901	080702	0	TDCT	E CTD 15-7 on deck		MPL	31-34.63N	141-12.23W	g		COOK25MV
0602	090702	0	TDCT	B CTD 16-2	200M	MPL	32-20.09N	138-38.66W	g		COOK25MV
0704	090702	0	TDCT	E CTD 16-2 on deck		MPL	32-20.09N	138-38.66W	g		COOK25MV
0748	090702	0	TDCT	B CTD 16-3	4950M	MPL	32-20.09N	138-38.66W	g		COOK25MV
1150	090702	0	TDCT	E CTD 16-3 ON DECK		MPL	32-20.09N	138-38.66W	g		COOK25MV
0711	100702	0	TDCT	B CTD 17-2	400M	MPL	30-44.82N	139-46.56W	g		COOK25MV
0744	100702	0	TDCT	E CTD 17-2 on deck		MPL	30-44.82N	139-46.55W	g		COOK25MV
1400	100702	0	TDCT	B CTD 18-1	400M	MPL	29-41.86N	139-15.15W	g		COOK25MV
1447	100702	0	TDCT	E CTD 18-1 ON DECK		MPL	29-41.86N	139-15.14W	g		COOK25MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP					P	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE			C	LEG-SHIP
#											
1947	100702	0	TDCT	B CTD 19-1	300M	MPL	29-45.53N	138-46.69W	g		COOK25MV
2031	100702	0	TDCT	E CTD 19-1 on deck		MPL	29-45.52N	138-46.69W	g		COOK25MV
2238	100702	0	TDCT	B CTD 20-1	400M	MPL	29-49.12N	138-19.30W	g		COOK25MV
2323	100702	0	TDCT	E CTD 20-1 on deck		MPL	29-49.12N	138-19.30W	g		COOK25MV
0440	110702	0	TDCT	B CTD 22-1	400M	MPL	29-56.44N	137-25.12W	g		COOK25MV
0529	110702	0	TDCT	E CTD 22-1 on deck		MPL	29-56.44N	137-25.11W	g		COOK25MV
2331	110702	0	TDCT	X CTD 23-1 deployed		MPL	30-24.92N	133-52.95W	g		COOK25MV
2002	120702	0	TDCT	B CTD 24-1	300M	MPL	30-47.95N	131-00.72W	g		COOK25MV
2057	120702	0	TDCT	E CTD 24-1 on deck		MPL	30-47.96N	131-00.72W	g		COOK25MV
0114	130702	0	TDCT	B CTD 24-4	300M	MPL	30-49.50N	131-02.91W	g		COOK25MV
0200	130702	0	TDCT	E CTD 24-4 aboard		MPL	30-49.51N	131-02.92W	g		COOK25MV
0301	130702	0	TDCT	B CTD 24-5	440M	MPL	30-49.55N	131-02.91W	g		COOK25MV
0643	130702	0	TDCT	E CTD 24-5 on deck		MPL	30-49.55N	131-02.91W	g		COOK25MV
2108	130702	0	TDCT	B CTD 25-1	300M	MPL	31-13.12N	127-51.48W	g		COOK25MV
2154	130702	0	TDCT	E CTD 25-1 on deck		MPL	31-13.12N	127-51.48W	g		COOK25MV
0154	140702	0	TDCT	B CTD 25-4	300M	MPL	31-15.13N	127-51.94W	g		COOK25MV
0251	140702	0	TDCT	E CTD 25-4 aboard		MPL	31-15.13N	127-51.94W	g		COOK25MV
0022	150702	0	TDCT	B CTD 26-3	300M	MPL	31-38.18N	124-56.25W	g		COOK25MV
0128	150702	0	TDCT	E CTD 26-3 aboard		MPL	31-38.18N	124-56.25W	g		COOK25MV
*** Trawls ***											
1012	080702	0	TMXX	B Trawl 15-8	300M	MPL	31-32.39N	141-18.54W	g		COOK25MV
1025	080702	0	TMXX	E Trawl 15-8		MPL	31-32.23N	141-18.13W	g		COOK25MV
*** Hydrocast Go-Flows ***											
1844	210602	0	HCGF	B Go-Flo cast 1		MPL	22-10.01N	158-00.00W	g		COOK25MV
1851	210602	0	HCGF	E Go-Flo cast 1		MPL	22-10.00N	157-59.99W	g		COOK25MV
1908	210602	0	HCGF	B Go-Flo cast 2		MPL	22-00.00N	157-59.99W	g		COOK25MV
1924	210602	0	HCGF	E Go Flo cast 2		MPL	22-00.00N	157-59.99W	g		COOK25MV
1742	240602	0	HCGF	B Go-Flo 4-3		MPL	28-01.05N	159-00.07W	g		COOK25MV
1924	240602	0	HCGF	E Go-Flo 4-3		MPL	28-01.05N	159-00.07W	g		COOK25MV
0319	010702	0	HCGF	B GO-FLO 7-5		MPL	27-59.98N	153-44.18W	g		COOK25MV
0400	010702	0	HCGF	E GO-FLO 7-5		MPL	27-59.97N	153-44.18W	g		COOK25MV
0923	040702	0	HCGF	B Go-Flo 10-7		MPL	30-30.33N	149-36.33W	g		COOK25MV
0943	040702	0	HCGF	E Go-Flo 10-7		MPL	30-30.32N	149-36.31W	g		COOK25MV
1815	070702	0	HCGF	B Go-Flo 15-1		MPL	31-32.21N	141-15.66W	g		COOK25MV
2010	070702	0	HCGF	E Go-Flo 15-1		MPL	31-32.20N	141-15.66W	g		COOK25MV
*** Plankton Nets ***											
1910	230602	0	ON1M	B 1m plankton net		MPL	25-56.80N	158-37.98W	g		COOK25MV
1932	230602	0	ON1M	E 1m plankton net		MPL	25-57.30N	158-37.48W	g		COOK25MV

#GMT	DDMMYY	SAMP	B	SAMPLE	DISP				P	CRUISE
#TIME	DATE	TZ	CODE	E IDENTIFIER	CODE	LATITUDE	LONGITUDE		C	LEG-SHIP
#										
*** Remote Operating Vehicles ***										
2013	200602	0	DTXX	B ROV deployed	MPL	21-18.56N	158-10.87W	g		COOK25MV
2019	200602	0	DTXX	E ROV recovered	MPL	21-19.55N	158-10.59W	g		COOK25MV
2133	210602	0	DTXX	B ROV deployed	MPL	22-00.00N	158-00.00W	g		COOK25MV
2206	210602	0	DTXX	E ROV on deck	MPL	22-10.02N	158-00.15W	g		COOK25MV
0227	220602	0	DTXX	B ROV deployed	MPL	22-10.05N	158-00.00W	g		COOK25MV
0257	220602	0	DTXX	E ROV on deck	MPL	22-10.26N	158-00.00W	g		COOK25MV
0404	250602	0	DTXX	B ROV 4-6 deployed	MPL	27-58.36N	158-54.21W	g		COOK25MV
0515	250602	0	DTXX	E ROV 4-6 on deck	MPL	27-58.44N	158-54.02W	g		COOK25MV
1000	250602	0	DTXX	B ROV 4-10 100M	MPL	27-58.61N	158-53.85W	g		COOK25MV
1124	250602	0	DTXX	E ROV 4-10 on deck	MPL	27-58.78N	158-53.73W	g		COOK25MV
0600	260602	0	DTXX	B ROV 4-15 deployed	MPL	27-58.55N	158-55.90W	g		COOK25MV
0820	260602	0	DTXX	E ROV 4-15 on deck	MPL	27-58.64N	158-55.84W	g		COOK25MV
0635	270602	0	DTXX	B ROV 5-8 deployed	MPL	28-00.01N	158-00.12W	g		COOK25MV
0823	270602	0	DTXX	E ROV 5-8 on deck	MPL	28-00.01N	158-00.86W	g		COOK25MV
0528	290602	0	DTXX	B ROV 6-6 deployed	MPL	28-02.46N	156-12.77W	g		COOK25MV
0734	290602	0	DTXX	E ROV 6-6 on deck	MPL	28-02.67N	156-13.14W	g		COOK25MV
0332	300602	0	DTXX	B ROV 6-14 deployed	MPL	28-02.36N	156-13.92W	g		COOK25MV
0610	300602	0	DTXX	E ROV 6-14 on deck	MPL	28-02.25N	156-14.19W	g		COOK25MV
0534	010702	0	DTXX	B ROV 7-6 deployed	MPL	27-59.99N	153-44.21W	g		COOK25MV
0629	010702	0	DTXX	E ROV 7-6 on deck	MPL	28-00.18N	153-44.67W	g		COOK25MV
0635	010702	0	DTXX	B ROV 7-6 redeployed	MPL	28-00.23N	153-44.66W	g		COOK25MV
0722	010702	0	DTXX	E ROV 7-6 on deck	MPL	28-00.44N	153-44.84W	g		COOK25MV
0636	020702	0	DTXX	B ROV 7-14 deployed	MPL	28-00.28N	153-43.91W	g		COOK25MV
0756	020702	0	DTXX	E ROV 7-14 on deck	MPL	28-00.24N	153-44.61W	g		COOK25MV
0555	030702	0	DTXX	B ROV 8-3 deployed	MPL	29-00.86N	151-25.29W	g		COOK25MV
0735	030702	0	DTXX	E ROV 8-3 on deck	MPL	29-01.76N	151-25.64W	g		COOK25MV
0543	040702	0	DTXX	B ROV 10-4 deployed	MPL	30-29.97N	149-36.82W	g		COOK25MV
0716	040702	0	DTXX	E ROV 10-4 on deck	MPL	30-30.26N	149-36.92W	g		COOK25MV
0525	050702	0	DTXX	B ROV 12-4 deployed	MPL	30-29.69N	147-01.64W	g		COOK25MV
0614	050702	0	DTXX	E ROV 12-4 on deck	MPL	30-29.93N	147-01.76W	g		COOK25MV
0644	050702	0	DTXX	B ROV 12-4 deployed	MPL	30-30.02N	147-01.89W	g		COOK25MV
0715	050702	0	DTXX	E ROV 12-4 on deck	MPL	30-30.13N	147-01.95W	g		COOK25MV
0530	060702	0	DTXX	B ROV 13-7 deployed	MPL	30-25.36N	145-33.17W	g		COOK25MV
0650	060702	0	DTXX	E ROV 13-7 on deck	MPL	30-25.12N	145-33.26W	g		COOK25MV
0714	060702	0	DTXX	B ROV 13-7 deployed	MPL	30-25.10N	145-33.28W	g		COOK25MV
0802	060702	0	DTXX	E ROV 13-7 on deckd	MPL	30-24.90N	145-33.36W	g		COOK25MV
0510	070702	0	DTXX	B ROV 14-5 deployed	MPL	30-58.47N	143-05.42W	g		COOK25MV
0730	070702	0	DTXX	E ROV 14-5 on deck	MPL	30-59.08N	143-05.54W	g		COOK25MV

#GMT #TIME #	DDMMYY DATE ---	SAMP TZ	B CODE	SAMPLE E IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
0543	080702	0	DTXX	B ROV 15-6 deployed	MPL	31-34.00N	141-12.53W	g	COOK25MV
0743	080702	0	DTXX	E ROV 15-6 on deck	MPL	31-34.63N	141-12.23W	g	COOK25MV
0421	090702	0	DTXX	B ROV 16-1 deployed	MPL	32-20.30N	138-38.60W	g	COOK25MV
0542	090702	0	DTXX	E ROV 16-1 on deck	MPL	32-20.08N	138-38.66W	g	COOK25MV
0448	100702	0	DTXX	B ROV 17-1 deployed	MPL	30-44.73N	139-46.48W	g	COOK25MV
0653	100702	0	DTXX	E ROV 17-1 on deck	MPL	30-44.82N	139-46.55W	g	COOK25MV
0600	110702	0	DTXX	B ROV 22-2 deployed	MPL	29-56.43N	137-25.12W	g	COOK25MV
0750	110702	0	DTXX	E ROV 22-2 on deck	MPL	29-56.05N	137-24.95W	g	COOK25MV

## \*\*\* Visual Plankton Recorder \*\*\*

2055	200602	0	PHXX	B VPR deployed	MPL	21-19.82N	158-10.89W	g	COOK25MV
2100	200602	0	PHXX	E VPR on deck	MPL	21-19.95N	158-11.09W	g	COOK25MV
2136	200602	0	PHXX	B VPR deployed	MPL	21-20.28N	158-11.61W	g	COOK25MV
2204	200602	0	PHXX	E VPR on deck	MPL	21-20.79N	158-12.64W	g	COOK25MV
2138	240602	0	PHXX	X VPR 4-5 deployed	MPL	28-01.01N	158-59.11W	g	COOK25MV
0000	250602	0	PHXX	X VPR 4-5 re-deployed	MPL	28-00.86N	158-56.80W	g	COOK25MV
0207	250602	0	PHXX	B VPR 4-5 redeployed	MPL	27-59.87N	158-56.37W	g	COOK25MV
1718	250602	0	PHXX	E VPR 4-5 on deck	MPL	28-00.74N	159-01.39W	g	COOK25MV
1732	250602	0	PHXX	B VPR 5-2 deployed	MPL	28-00.44N	159-00.82W	g	COOK25MV
1808	260602	0	PHXX	E VPR 5-2 on deck	MPL	28-00.02N	158-00.35W	g	COOK25MV
0140	280602	0	PHXX	VPR 35-14 deployed	MPL	28-03.22N	157-59.91W	g	COOK25MV
0143	280602	0	PHXX	B VPR 5-14 deplyd 80M	MPL	28-03.22N	157-59.91W	g	COOK25MV
0205	280602	0	PHXX	E VPR 5-14 on deck	MPL	28-03.22N	157-59.91W	g	COOK25MV

## \*\*\* Expendable Bathythermographs \*\*\*

0932	210602	0	BTXP	MK21 # 1 Fast_Deep	GDC	21-19.11N	158-15.94W	g	COOK25MV
2015	220602	0	BTXP	MK21 # 2 Fast_Deep	GDC	22-19.30N	157-54.48W	g	COOK25MV
0634	240602	0	BTXP	MK21 # 4 Fast_Deep	GDC	26-56.55N	158-46.60W	g	COOK25MV
0102	260602	0	BTXP	MK21 # 5 Fast_Deep	GDC	27-58.96N	158-56.12W	g	COOK25MV
0635	280602	0	BTXP	MK21 # 6 Fast_Deep	GDC	27-59.98N	158-00.00W	g	COOK25MV
0420	300602	0	BTXP	MK21 # 7 Fast_Deep	GDC	28-02.34N	156-14.00W	g	COOK25MV
2020	010702	0	BTXP	MK21 # 8 Fast_Deep	GDC	27-59.12N	153-46.35W	g	COOK25MV
2122	020702	0	BTXP	MK21 # 9 Fast_Deep	GDC	28-28.32N	151-30.08W	g	COOK25MV
1951	040702	0	BTXP	MK21 # 10 Fast_Deep	GDC	30-30.09N	147-48.54W	g	COOK25MV
0818	060702	0	BTXP	MK21 # 11 Fast_Deep	GDC	30-24.95N	145-33.29W	g	COOK25MV
2146	060702	0	BTXP	MK21 # 12 Fast_Deep	GDC	30-55.37N	143-15.22W	g	COOK25MV
0053	080702	0	BTXP	MK21 # 13 Fast_Deep	GDC	31-32.45N	141-18.92W	g	COOK25MV
2339	080702	0	BTXP	MK21 # 14 Fast_Deep	GDC	32-01.46N	139-40.56W	g	COOK25MV
2151	090702	0	BTXP	MK21 # 15 Fast_Deep	GDC	31-41.34N	138-40.56W	g	COOK25MV
2220	100702	0	BTXP	MK21 # 16 Fast_Deep	GDC	29-48.75N	138-22.36W	g	COOK25MV
2121	110702	0	BTXP	MK21 # 17 Fast_Deep	GDC	30-21.21N	134-20.86W	g	COOK25MV
1909	140702	0	BTXP	MK21 # 18 Fast_Deep	GDC	31-32.32N	125-26.79W	g	COOK25MV
1930	140702	0	BTXP	MK21 # 19 Fast_Deep	GDC	31-33.01N	125-21.79W	g	COOK25MV
0142	160702	0	BTXP	MK21 # 20 Fast_Deep	GDC	32-21.26N	119-14.44W	g	COOK25MV

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End Sample Index

COOK25MV