### REPORT AND INDEX OF UNDERWAY MARINE GEOPHYSICAL DATA

### **AVON EXPEDITION**

LEG 7

(AVON07MV)

R/V Melville

(Issued August 1999)

#### Ports:

Honolulu, Hawaii (24 May 1999)

to

Honolulu, Hawaii (15 June 1999)

### Co-Chief Scientists:

Ellen Druffel - University of California Irvine edruffel@uci.edu Daniel Repeta - Woods Hole Oceanographic Inst. drepeta@whoi.edu James Bauer - Virginia Inst. of Marine Sciences

Computer Technician - Jim Charters Resident Marine Tech - Ron Comer

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.# 284

# 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.

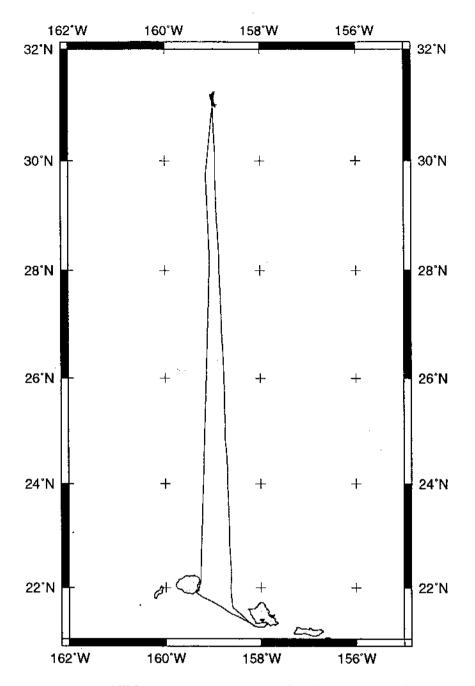
**Profiles** - depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

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.

rev 4/98



### **AVON EXPEDITION LEG 7 (AVON07MV)**

CO-CHIEF SCIENTISTS: Ellen Druffel, U.C.I.;

Daniel Repeta, WHOI; James Bauer, V.I.M.S.

PORTS: Honolulu - Honolulu, Hawaii

DATES: 24 May - 15 June 1999

SHIP: R/V Melville

### TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 1731 miles

Magnetics - 580 miles

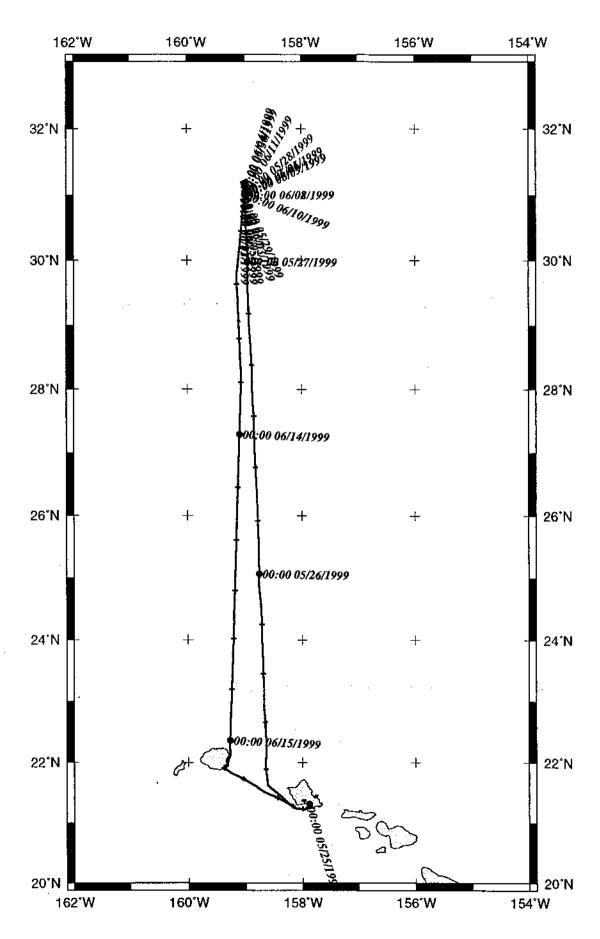
Bathymetry - 1250 miles

Seismic Reflection - none collected

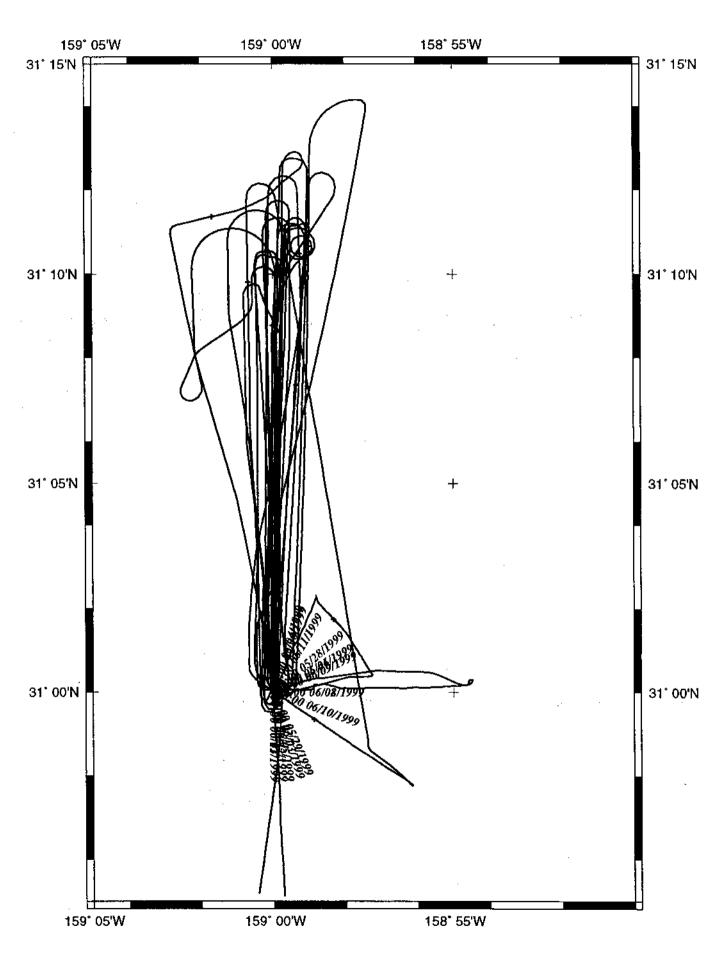
Sea Beam - 1250 miles

Gravity - 1690 miles

## AVON Leg 7 Track

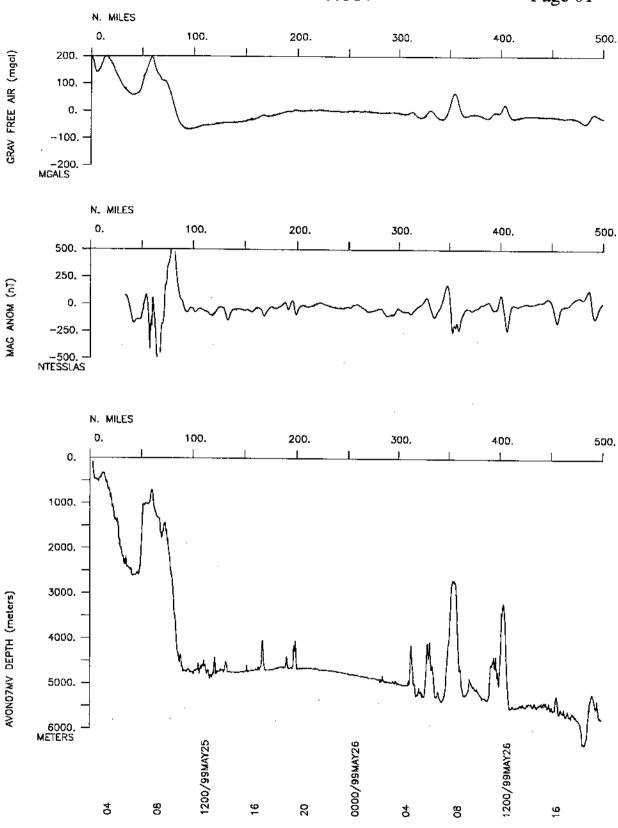


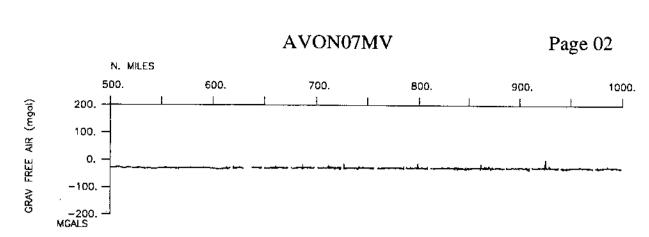
## AVON07MV Survey

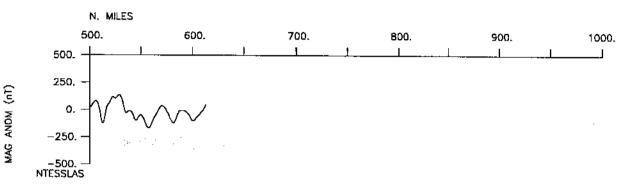


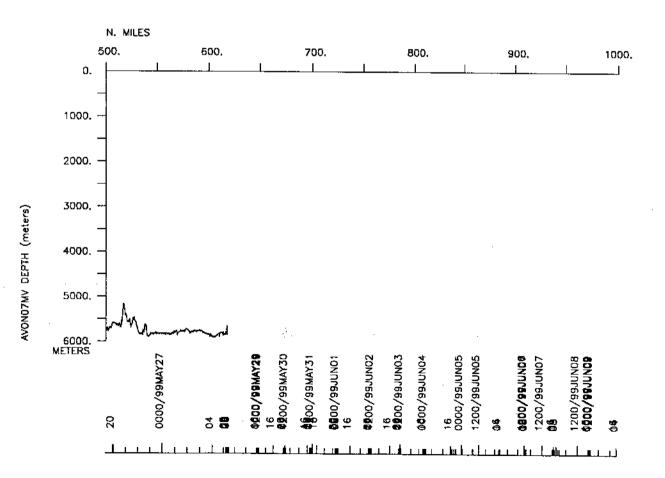


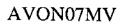
Page 01



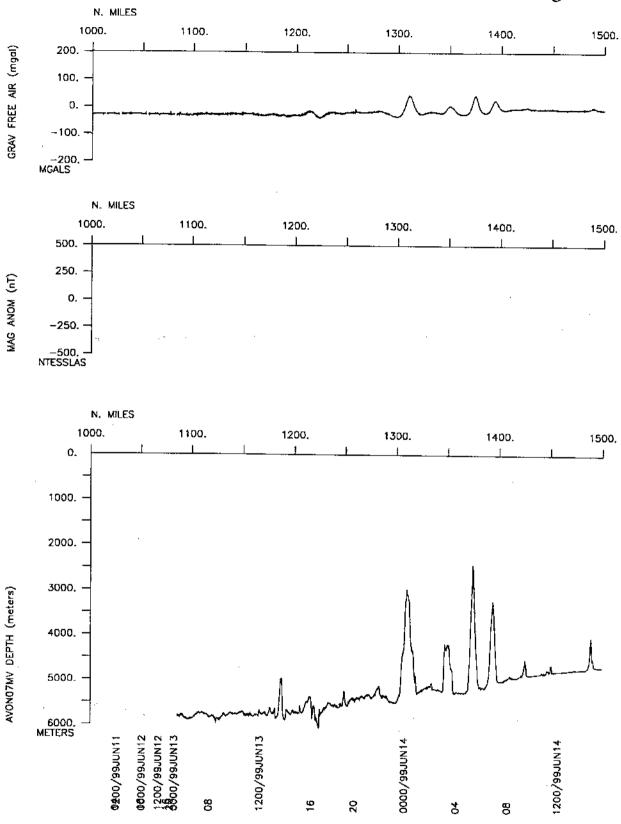


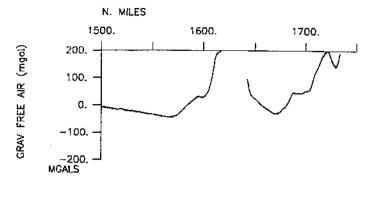


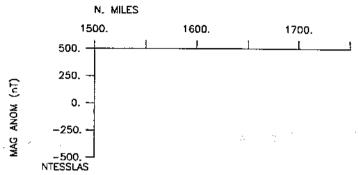


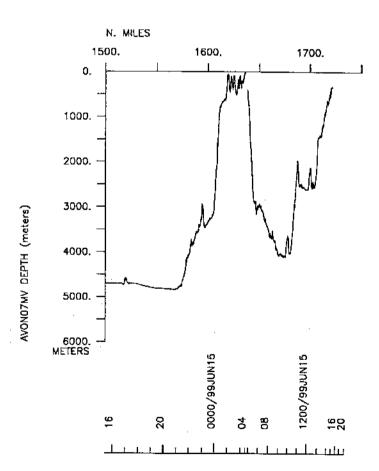


Page 03









### S.I.O. SAMPLE INDEX

### **AVON EXPEDITION**

LEG 7

(AVON07MV)

R/V Melville

(Issued August 1999)

#### Ports:

Honolulu, Hawaii (24 May 1999) to Honolulu, Hawaii (15 June 1999)

### Chief Scientists:

Ellen Druffel, University of California Irvine Daniel Repeta, Woods Hole Oceanographic Inst. James Bauer, Virginia Inst. of Marine Sciences

The Sample Index is a first level interdisiplinary 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.# 284

```
#*** Ports ***
```

0157 250599	LGPT B Honolulu.	Hawaii GD	C 21-18.00N 157-52.00W f AVON07MV
1745 150699	LGPT E Honolulu,	Hawaii GD	OC 21-18.00N 157-52.00W f AVON07MV

#*** # #	Perso	onnel *** ********NAME*******	******TITLE*****	****AFFILIATION***	**CRID**
PECS	UCI	Druffel, Dr.E.	Chief Scientist	U. C. Irvine	AVON07MV
PECS	SIX	Bauer, Dr.J.	CoChief Scientist	Va.Inst.of Mar.Sci.	AVON07MV
PECS	WHOI	Repeta, Dr.D.	CoChief Scientist	Woods Hole Ocean.In.	AVON07MV
PESP		Bronk, Dr. D.	Scientist	U. of Georgia	AVON07MV
PESP	TAMU	Campbell, Dr.L.	Scientist	Texas A & M U.	AVON07MV
PESP	WHOI	Aluwihare, Dr.L.	Scientist	Woods Hole Ocean.In.	AVON07MV
PESP	WHOI	PantoJa, Dr.S.	Scientist	Woods Hole Ocean.In.	AVON07MV
	WHOI	_ •	Scientist	Woods Hole Ocean.In.	AVON07MV
PEXN		Ocampo, Dr.R.	Scientist	CRNS France	AVON07MV
PESP	UCI	Grottoli, Dr.A	Scientist	U. C. Irvine	AVON07MV
PERT	STS	Comer, R.L.	Resident Tech.	Scripps Institution	AVON07MV
PECT	STS	Charters, J.	Computer Tech.	Scripps Institution	AVON07MV
PESP	UCI	Griffin, S.	Specialist	U. C. Irvine	AVON07MV
	SIX	Bailev.E.	Technician	Col.of William&Mary	AVON07MV
	SIX	Sanderson, M	Technician	U. of Georgia	AVON07MV
	UCI	Masiello, C.	Grad. Student	U. C. Irvine	AVON07MV

#### #\*\*\* NOTES \*\*\*

PEST SIX Loh, A.N.

#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.

Grad. Student

Col.of William&Mary AVON07MV

#GMT DDMMYY SAMP B SAMPLE #TIME DATE TZ CODE E IDENTIFIER #	DISP p CRUISE CODE LATITUDE LONGITUDE c LEG-SHIP						
#*** Underway Data Curator - S.M. Smith/Geological Data Center, ext. 42752 ***							
#*** Log Books ***							
0157 250599 0 LBUW B Underway Watch Log 1745 150699 0 LBUW E Underway Watch Log	GDC 21-18.88N 157-52.66W g AVON07MV GDC 21-16.75N 157-53.06W g AVON07MV						
#*** Sea Beam Records (vertical beam and side scan) ***							
0255 250599 0 MBSR B v.beam&sidescan r-01 1520 150699 0 MBSR E v.beam&sidescan r-01	GDC 21-13.48N 157-57.49W g AVON07MV GDC 21-14.04N 158-02.98W g AVON07MV						
#*** Echo Sounder Records ***							
0232 250599 0 DPR3 B Knudsen 3.5khz r-01	GDC 21-16.02N 157-53.81W g AVON07MV						

0846 270599 0 DPR3 E Knudsen 3.5khz r-01 GDC 31-00.00N 158-59.98W g AVON07MV

0529 130699 0 DPR3 B Knudsen 3.5khz r-02 GDC 30-57.56N 159-00.03W g AVON07MV 1520 150699 0 DPR3 E Knudsen 3.5khz r-02 GDC 21-14.04N 158-02.98W g AVON07MV

```
#GMT DDMMYY SAMP B SAMPLE DISP p CRUISE #TIME DATE TZ CODE E IDENTIFIER CODE LATITUDE LONGITUDE c LEG-SHIP
                                                                                                                                                                                                                                                                                   p CRUISE
 #*** Digital Magnetics (Earth Total Field) ***
 0513 250599 0 MGDR B Magnetics GDC 21-25.68N 158-22.23W g AVON07MV 0445 270599 0 MGDR E Magnetics GDC 30-56.60N 158-59.82W g AVON07MV
 #*** Digital Recorded Gravity ***
 0157 250599 0 GVDR B Gravity GDC 21-18.88N 157-52.66W g AVON07MV 1745 150699 0 GVDR E Gravity GDC 21-16.75N 157-53.06W g AVON07MV
  #*** Acoustic Doppler Current Profiler ***
 #*** Integrated Meteorological Acquisition System ***
 0157 250599 0 IMET B Weather Data GDC 21-18.88N 157-52.66W g AVON07MV 1745 150699 0 IMET E Weather Data GDC 21-16.75N 157-53.06W g AVON07MV
 #*** Yentsch Pump ***
                                                                                    Yent. Pmp. 106 20M UCI 31-00.00N 159-00.00W g AVON07MV
 1700 270599 0 YNPM
  2200 270599 0 YNPM Yent. Pmp. 108 750M UCI 31-00.00N 159-00.00W q AVON07MV
2200 270599 0 YNPM Yent. Pmp. 108 750M UCI 31-00.00N 159-00.00W g AVON07MV 1800 280599 0 YNPM Yent. Pmp. 112 4200M UCI 30-59.98N 159-00.00W g AVON07MV 1800 300599 0 YNPM Yent. Pmp. 119 1300M UCI 31-00.00N 159-00.01W g AVON07MV 1830 310599 0 YNPM Yent. Pmp. 125 5720M UCI 30-59.98N 159-00.00W g AVON07MV 2200 010699 0 YNPM Yent. Pmp. 132 3200M UCI 31-00.06N 158-59.97W g AVON07MV 1730 030699 0 YNPM Yent. Pmp. 140 100M UCI 30-59.98N 159-00.00W g AVON07MV 1700 050699 0 YNPM Yent. Pmp. 158 4700M UCI 31-00.00N 159-00.00W g AVON07MV 1700 050699 0 YNPM Yent. Pmp. 173 300M UCI 31-00.00N 159-00.00W g AVON07MV 1800 070699 0 YNPM Yent. Pmp. 174 20M UCI 31-00.01N 158-59.99W g AVON07MV 1800 070699 0 YNPM Yent. Pmp. 194 1500M UCI 31-00.00N 158-59.98W g AVON07MV Yent. Pmp. 209 1800M UCI 31-00.00N 158-59.98W g AVON07MV
  #*** Gravity Cores ***
0205 070699 0 COGV Grav. Core 188 5820M UCI 30-59.98N 159-00.00W g AVON07MV 2000 080699 0 COGV Grav. Core 203 5820M UCI 31-00.00N 159-00.00W g AVON07MV 0154 090699 0 COGV Grav. Core 205 5820M UCI 30-59.98N 158-59.98W g AVON07MV 0450 090699 0 COGV Grav. Core 205 5820M UCI 30-59.98N 158-59.98W g AVON07MV 0450 090699 0 COGV Grav. Core 205A5820M UCI 31-00.00N 159-00.00W g AVON07MV 0724 100699 0 COGV Grav. Core 210 5820M UCI 30-59.98N 158-59.98W g AVON07MV 1915 100699 0 COGV Grav. Core 215 5820M UCI 30-59.98N 158-59.98W g AVON07MV 2147 100699 0 COGV Grav. Core 215 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100699 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100690 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100690 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100690 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100690 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2147 100690 0 COGV Grav. Core 216 5820M UCI 31-00.00N 159-00.00W g AVO
0027 110699 0 COGV Grav. Core 218 5820M UCI 31-00.00N 159-00.00W g AVON07MV 0514 110699 0 COGV Grav. Core 220 5820M UCI 31-00.00N 159-00.00W g AVON07MV 1927 110699 0 COGV Grav. Core 226 5820M UCI 31-00.00N 159-00.00W g AVON07MV 2214 110699 0 COGV Grav. Core 227 5820M UCI 30-59.98N 158-59.98W g AVON07MV 0053 120699 0 COGV Grav. Core 229 5820M UCI 31-00.00N 159-00.00W g AVON07MV
```

```
p CRUISE
                                         DISP p CRUISE
CODE LATITUDE LONGITUDE C LEG-SHIP
#GMT DDMMYY
               SAMP B SAMPLE
#TIME DATE TZ CODE E IDENTIFIER
#*** Conductivity, Temperature, Depths ***
                       Sbird CTD 105 200M UCI 31-00.00N 159-00.00W g AVON07MV Sbird CTD 130 500M UCI 31-00.00N 158-59.98W g AVON07MV
1551 270599 0 TDXX
1900 310599 0 TDXX
1602 030699 0 TDXX
                       Sbird CTD 156 500M UCI 31-00.04N 159-00.01W q AVON07MV
1626 070699 0 TDXX
                        Sbird CTD 192 1000M UCI 30-59.98N 158-59.98W g AVON07MV
0333 080699 0 TDXX
                        Sbird CTD
                                    197 5800M UCI 30-59.98N 159-00.00W g AVON07MV
0022 090699 0 TDXX
                        Sbird CTD 204B 500M UCI 30-59.98N 159-00.00W g AVON07MV
                        Sbird CTD 213 1000M UCI 31-00.00N 159-00.00W g AVON07MV Sbird CTD 231 5791M UCI 30-59.98N 158-59.98W g AVON07MV
1651 100699 0 TDXX
0607 120699 0 TDXX
#*** Hydrocasts ***
                                             20M UCI
                                                       30-59.98N 159-00.00W g AVON07MV
0426 020699 0 HCGF
                         GoFlow 2
                                      141
0457 020699 0 HCGF
                         GoFlow 2
                                           100M UCI
                                                       31-00.00N 159-00.00W g AVON07MV
                                      142
1748 020699 0 HCGF
                         GoFlow 1
                                    146 900M UCI
                                                       31-00.00N 158-59.98W g AVON07MV
                                      147 450M UCI
                                                       31-00.00N 159-00.00W g AVON07MV
1905 020699 0 HCGF
                         GoFlow 2
2254 020699 0 HCGF GoFlow 3 148 5770M UCI 30-59.98N 159-00.00W g AVON07MV
0455 030699 0 HCGF GoFlow 3 152 3200M UCI 30-59.98N 159-00.00W g AVON07MV
                                    164 1300M UCI 31-00.01N 158-59.99W g AVON07MV
1919 040699 0 HCGF
                        GoFlow 3
                                    164 1300M UCI 31-00.01N 158-59.99W 9 AVONO7MV 178 2100M UCI 30-59.98N 158-59.98W 9 AVON07MV 179 600M UCI 30-59.98N 158-59.98W 9 AVON07MV 183 5770M UCI 31-00.00N 159-00.00W 9 AVON07MV 187 900M UCI 31-00.00N 159-00.00W 9 AVON07MV
0317 050699 0 HCGF
                        GoFlow 3
                        GoFlow 3
0319 060699 0 HCGF
0610 060699
              0 HCGF
                        GoFlow 3
                        GoFlow 2
1909 060699
              0 HCGF
2354 060699 0 HCGF
                        GoFlow 2
#*** Open Nets ***
2020 040699 0 ON1M
                         1 Met. Net 165A 3M UCI 31-00.04N 158-59.99W g AVON07MV
                        1 Met. Net 165B 20M UCI 31-00.19N 158-58.89W g AVON07MV
2118 040699 0 ON1M
2155 040699 0 ON1M
                        1 Met. Net 165C 50M UCI 31-00.10N 158-57.52W g AVON07MV
2240 040699 0 ON1M
                        1 Met. Net 165D 100M UCI 31-00.11N 158-55.79W g AVON07MV
                        1 Met. Net 199A 3M UCI 31~00.00N 159-00.00W g AVON07MV
0717 080699 0 ON1M
                        1 Met. Net 199B 20M UCI 30-59.21N 158-58.64W g AVON07MV
1 Met. Net 199C 50M UCI 30-58.50N 158-57.40W g AVON07MV
1 Met. Net 199D 100M UCI 30-57.78N 158-56.17W g AVON07MV
0808 080699 0 ON1M
0845 080699
              0 ON1M
0927 080699
               0 ON1M
                         1 Met. Net 236A
1809 120699
               0 ON1M
                                             3M UCI
                                                        31-00.00N 158-59.98W g AVON07MV
                                                       31-01.25N 158-59.32W g AVON07MV
1857 120699
                         1 Met. Net 236B
               0 ONIM
                                             20M UCI
                        1 Met. Net 236C 50M UCI 31-02.21N 158-58.80W g AVON07MV 1 Met. Net 236D 100M UCI 31-01.36N 158-57.96W g AVON07MV
1935 120699
               0 ON1M
2020 120699
               0 ON1M
#*** Hydrocasts ***
0615 270599 0 HCPI
                        Rosette S 101 300M WHOI 31-00.00N 159-00.00W g AVON07MV
0915 270599 0 HCPI
                        Rosette S 102 2100M WHOI 30-59.98N 159-00.00W g AVON07MV
1235 270599
              0 HCPI
                        Rosette S 103 5200M WHOI 31-00.00N 158-59.98W g AVON07MV
1517 270599
               0 HCPI
                        Rosette S 104 300M WHOI 31-00.00N 159-00.00W g AVON07MV
0745 280599 0 HCPI
1129 280599 0 HCPI
0700 290599 0 HCPI
1019 290599 0 HCPI
1746 290599 0 HCPI
                        Rosette S 109 5200M WHO1 30-59.98N 159-00.00W g AVON07MV Rosette S 110 2100M WHO1 31-00.00N 158-59.98W g AVON07MV Rosette D 111 170M TAMU 31-00.00N 159-00.00W g AVON07MV
                        Rosette S 115 5200M WHOI 30-59.98N 159-00.00W g AVON07MV
                        Rosette C 118
                                              20M WHOI 31-00.00N 158-59.98W g AVON07MV
0700 300599 0 HCPI
                        Rosette S 123 5200M WHOI 30-59.98N 159-00.00W g AVON07MV
1200 300599 0 HCPI
                        Rosette S 124 2100M WHO1 30-59.98N 159-00.00W g AVON07MV
0800 310599 0 HCPI
                        Rosette S 128 5200M WHOI 31-00.00N 159-00.00W g AVON07MV
                        Rosette S 129 2100M WHOI 31-00.00N 158-59.98W g AVON07MV
1230 310599 0 HCPI
1730 310599 0 HCPI
                        Rosette D 131 130M TAMU 31-06.43N 158-59.79W g AVON07MV
0700 010699 0 HCPI
                        Rosette S 135 5200M WHOI 31-00.00N 159-00.00W g AVON07MV
1130 010699 0 HCPI Rosette S 136 2100M WHOI 30-59.98N 159-00.00W g AVON07MV
```

1530 010699   0   CPPI   Rosette   S   137   300M   WHOI 31-04.68N   158-59.17W   g   AVONO7MV	#GMT	DDMMYY				SAMPLE				DISP			р	CRUISE
1530   010699   0   HCPI   Rosette   S   137   300M   WHOI   31-04.68N   158-59.17W   G   AVONO7MV   0700   020699   0   HCPI   Rosette   C   144   130M   TANU   30-59.98N   159-00.00W   G   AVONO7MV   0700   020699   0   HCPI   Rosette   C   144   130M   TANU   30-59.98N   159-00.00W   G   AVONO7MV   0700   030699   0   HCPI   Rosette   C   154   5200M   WHOI   30-59.98N   159-00.00W   G   AVONO7MV   0700   030699   0   HCPI   Rosette   S   155   2100M   WHOI   30-59.98N   159-00.00W   G   AVONO7MV   0700   030699   0   HCPI   Rosette   S   155   2100M   WHOI   31-00.00N   158-59.89W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   161   2100M   WHOI   30-59.98N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   162   300M   WHOI   30-59.98N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   162   300M   WHOI   30-59.98N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   162   300M   WHOI   30-59.98N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   162   300M   WHOI   30-59.98N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   162   300M   WHOI   30-59.98N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   162   300M   WHOI   30-59.98N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   162   300M   WHOI   31-00.00N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   171   500M   WHOI   31-00.00N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   171   500M   WHOI   31-00.00N   158-59.98W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   171   500M   WHOI   31-00.00N   159-00.00W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   171   500M   WHOI   31-00.00N   159-00.00W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   171   500M   WHOI   31-00.00N   159-00.00W   G   AVONO7MV   0700   040699   0   HCPI   Rosette   S   173   174   174   174   174   174   174   174   174   174   174   174   174   17	#TIME	DATE	TZ	CODE	Ε	IDENTIFI	ER			CODE	LATITUDE	LONGITUDE	С	LEG-SHIP
0600 020699 0 HCPI Rosette C 144A 900M WHOI 30-59.98N 159-00.01W G AVON07MV 0700 020699 0 HCPI Rosette S 145 5200M WHOI 30-59.98N 159-00.00W G AVON07MV 0700 030699 0 HCPI Rosette S 151 900M WHOI 30-59.98N 159-00.00W G AVON07MV 0800 030699 0 HCPI Rosette S 154 300M WHOI 31-00.00N 158-59.98W G AVON07MV 0700 030699 0 HCPI Rosette S 154 300M WHOI 31-00.00N 158-59.98W G AVON07MV 0700 040699 0 HCPI Rosette S 162 300M WHOI 31-00.00N 158-59.98W G AVON07MV 0700 040699 0 HCPI Rosette S 162 300M WHOI 31-00.00N 158-59.98W G AVON07MV 0700 040699 0 HCPI Rosette S 162A5200M WHOI 30-59.98N 159-00.00W G AVON07MV 0700 040699 0 HCPI Rosette S 162A5200M WHOI 30-59.98N 158-59.98W G AVON07MV 0700 040699 0 HCPI Rosette S 162A5200M WHOI 30-59.98N 158-59.98W G AVON07MV 0700 040699 0 HCPI Rosette S 162A5200M WHOI 30-59.98N 158-59.98W G AVON07MV 0700 040699 0 HCPI Rosette S 162A5200M WHOI 30-59.98N 158-59.98W G AVON07MV 0700 050699 0 HCPI Rosette S 170 300M WHOI 31-00.00N 158-59.98W G AVON07MV 0700 050699 0 HCPI Rosette S 170 300M WHOI 31-00.00N 158-59.98W G AVON07MV 0700 050699 0 HCPI Rosette S 178A 900M WHOI 31-00.00N 158-59.98W G AVON07MV 0700 070699 0 HCPI Rosette S 180 3600M WHOI 31-00.00N 159-00.00W G AVON07MV 0700 0700 0700 0700 0700 0700 0700	#	<b>-</b>											-	
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						Rosette	ŝ	239	2100M	WHOT	30-59.98N	159-00.00W	G.	

#GMT DDMMYY SAMP B #TIME DATE TZ CODE E	SAMPLE IDENTIFIER	DISP CODE LATITUDE	LONGITUDE	p CRUISE c LEG-SHIP				
#								
#*** Surface Samples ***								
1950 270599 0 SSXX 0030 290599 0 SSXX 0014 300599 0 SSXX 0645 300599 0 SSXX 1925 300599 0 SSXX 0010 310599 0 SSXX 0705 310599 0 SSXX 0018 010699 0 SSXX 0223 030699 0 SSXX 0005 040699 0 SSXX 0010 050699 0 SSXX	Surf. Pmp. S 106A Surf. Pmp. S 113 Surf. Pmp. S 120 Surf. Pmp. C 122 Surf. Pmp. C 125A Surf. Pmp. C 127A Surf. Pmp. C 127A Surf. Pmp. S 134 Surf. Pmp. S 150 Surf. Pmp. S 160 Surf. Pmp. S 167 Surf. Pmp. D 209B	WHOI 31-00.00N WHOI 30-59.98N WHOI 30-59.98N WHOI 31-00.00N	159-00.00W 158-59.98W 159-00.00W 159-00.00W 158-59.98W 159-00.00W 158-59.98W 158-59.98W 158-59.98W	g AVON07MV				
#*** Bucket Samples *	**							
2227 270599 0 BKST 2203 280599 0 BKST 2225 290599 0 BKST 2215 300599 0 BKST 2215 310599 0 BKST 2215 310599 0 BKST 2220 010699 0 BKST 2209 020699 0 BKST 2214 030699 0 BKST 2215 050699 0 BKST 2215 050699 0 BKST 2210 080699 0 BKST 2222 090699 0 BKST 2228 090699 0 BKST 2228 090699 0 BKST 2217 100699 0 BKST 2217 100699 0 BKST 2220 120699 0 BKST	Bucket Samp. 107 Bucket Samp. 114 Bucket Samp. 121 Bucket Samp. 126 Bucket Samp. 133 Bucket Samp. 140A Bucket Samp. 149 Bucket Samp. 159 Bucket Samp. 175 Bucket Samp. 175 Bucket Samp. 195 Bucket Samp. 204A Bucket Samp. 204A Bucket Samp. 209A Bucket Samp. 217 Bucket Samp. 217 Bucket Samp. 228 Bucket Samp. 237A	UCI 31-00.00N UCI 30-59.98N UCI 30-59.98N UCI 30-59.98N UCI 30-59.98N UCI 31-00.00N UCI 30-59.98N UCI 30-59.98N UCI 30-59.98N	159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W 159-00.00W	G AVON07MV				
#***	End Sample Index			AVON07MV				