Report and Index of

Underway Marine Geophysical Data

Centennial

Leg 12

(CNTL12RR)

R/V Roger Revelle

(Issued May 2004)

Ports:
Honolulu, HI (24-Jun-03)
to
Honolulu, HI (09-Jul-03)

Chief Scientist: Michael Porter
Science Application Intl
michael.b.porter@saic.com

Computer Tech - Barry Quiel
Resident Tech - Gene Pillard

Post-Cruise processing and report preparation by the
Shipboard Technical Support Group,
Scripps Institution of Oceanography
La Jolla, CA 92093-0223

STS Cruise ID#300

Report and Index of Navigation
and Underway Geophysical Data

Contents:

Index Chart - give track of cruise leg, dates, ports.

Track Charts - annotated with dates and hour ticks.

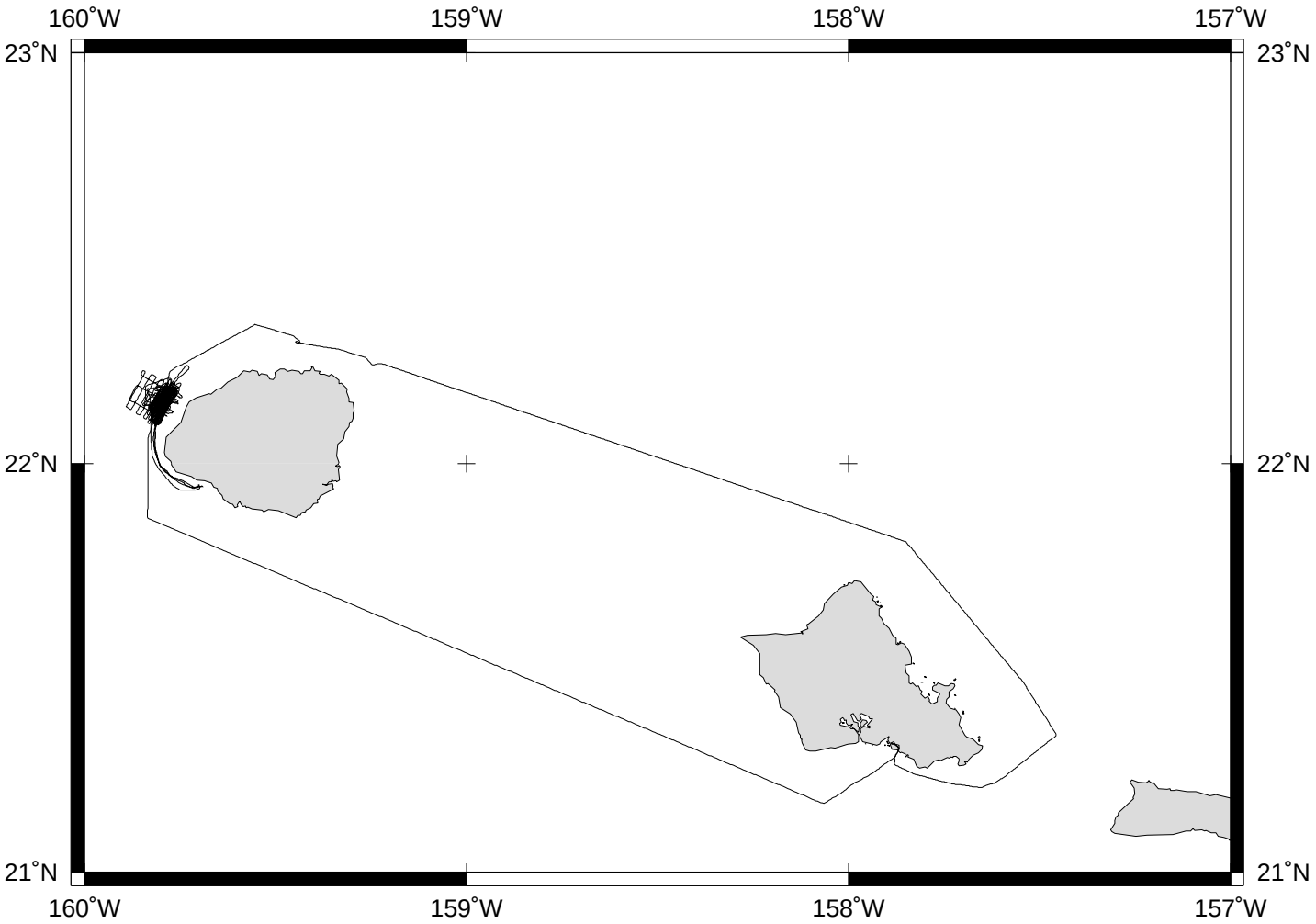
Profiles - depth, magnetic and grafity free air anomaly vs. distance.

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 05/2002



CENTENNIAL EXPEDITION LEG 12 (CNTL12RR)

CHIEF SCIENTIST: Michael Porter, Science Applications International

PORTS: Honolulu - Honolulu, Hawaii

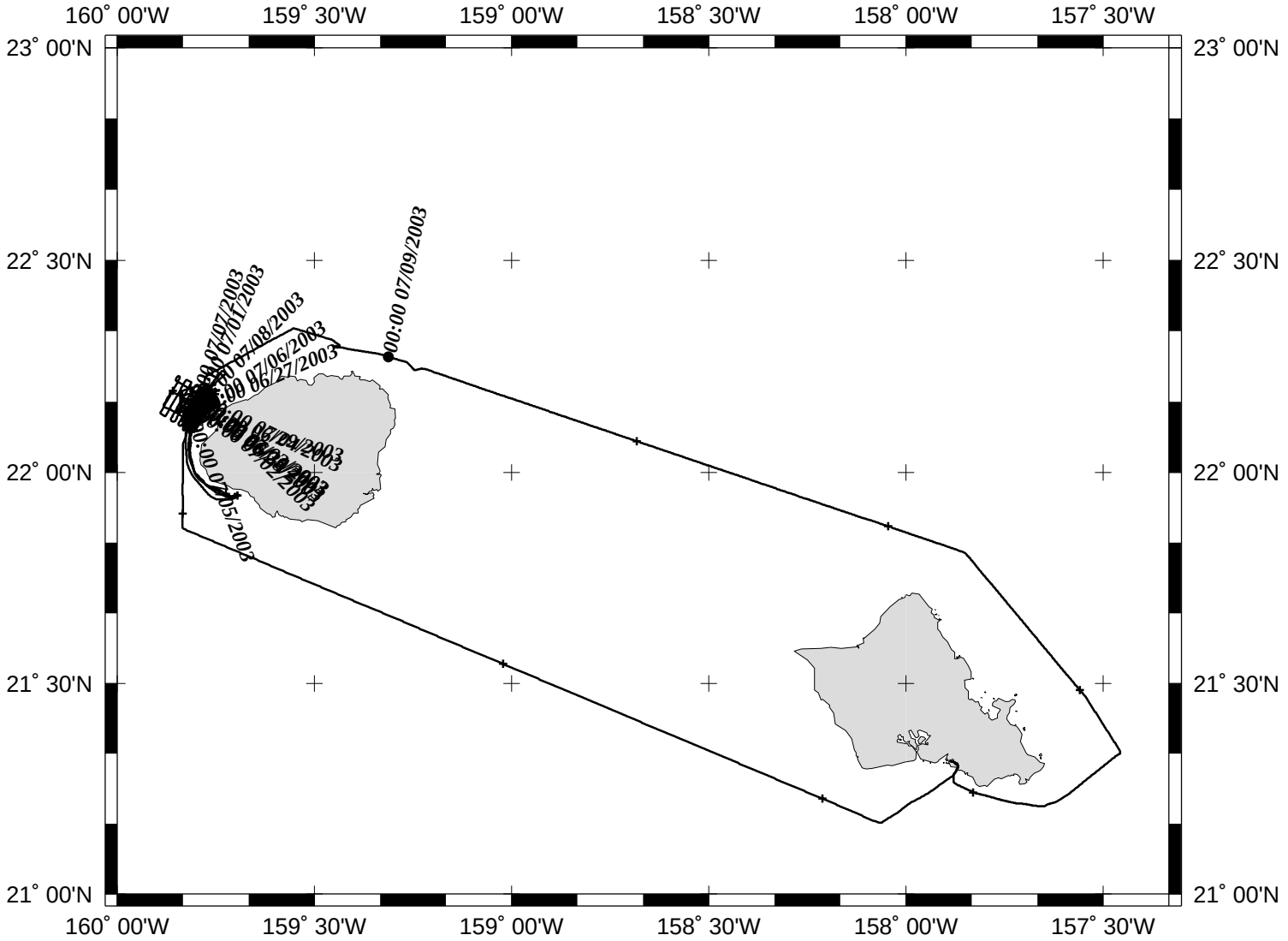
DATES: 25 June - 09 July 2003

SHIP: R/V Revelle

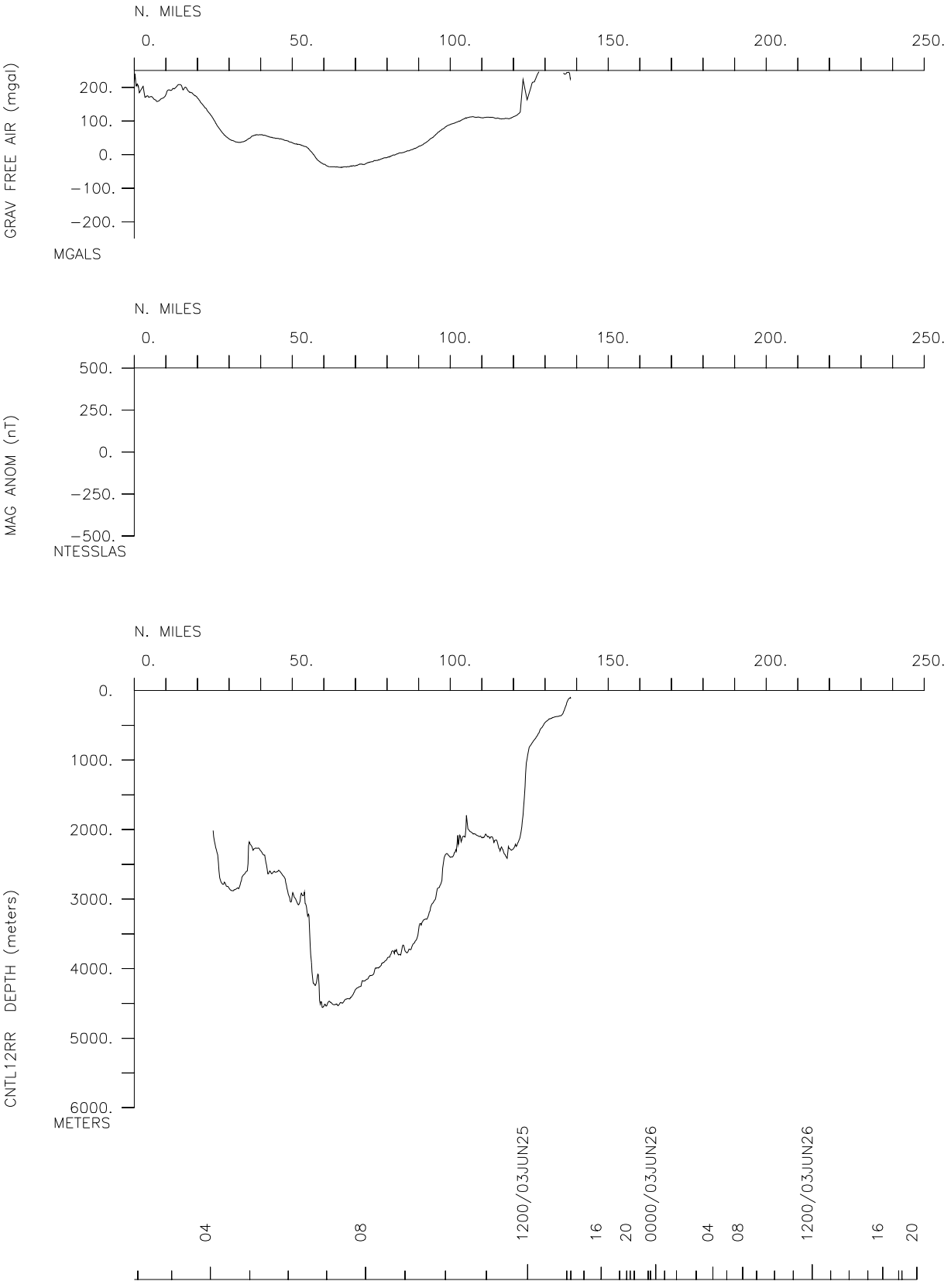
TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-1110 miles	**Magnetics-none collected**
Bathymetry-331 miles	**Seismic Reflection-none collected**
Multibeam-331 miles	**Gravity-387 miles**

CNTL12RR



GMT 2003 Sep 16 14:44:00 **:Honolulu - Honolulu, Hawaii 25 June - 9 July 2003 :**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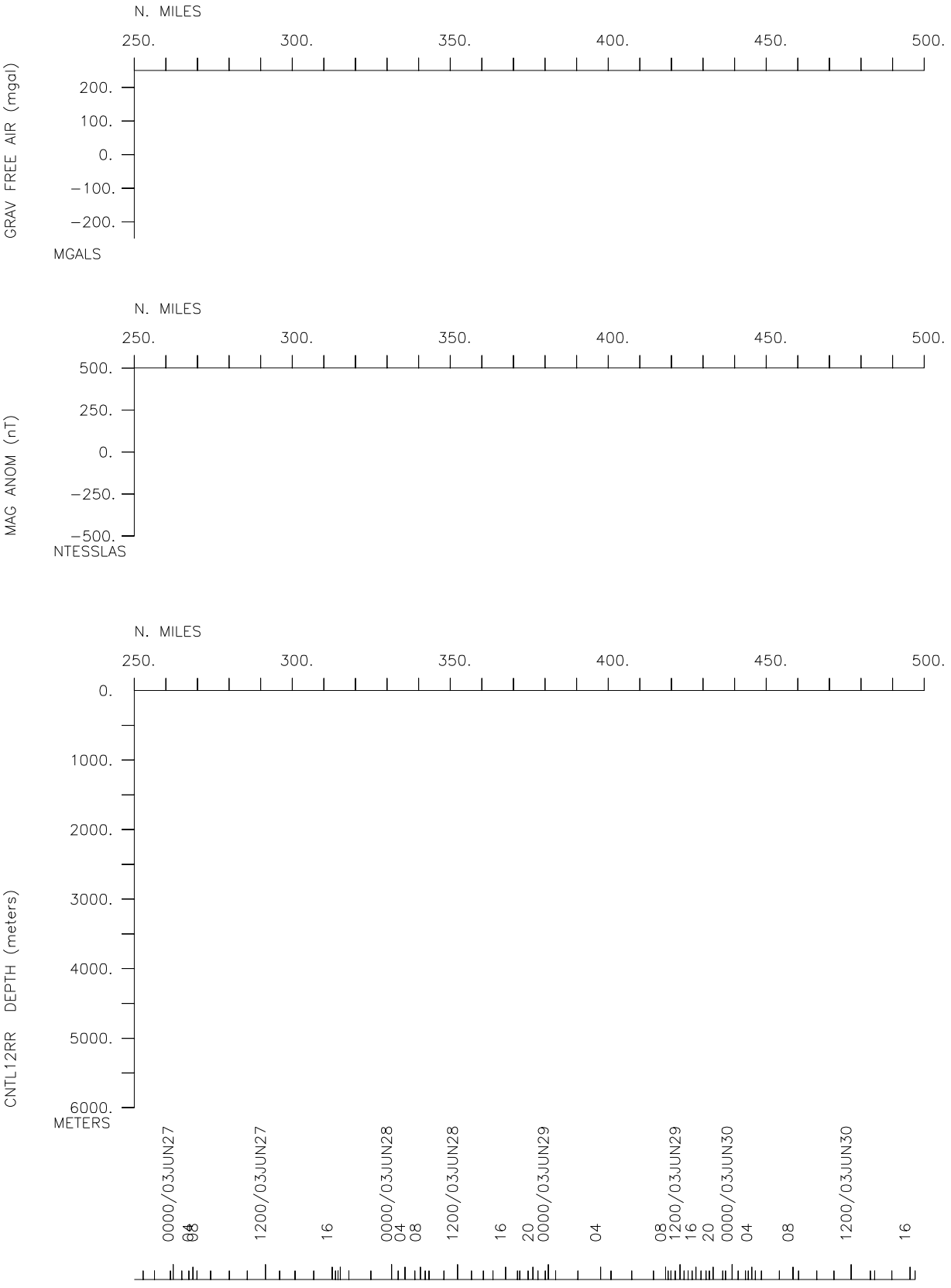
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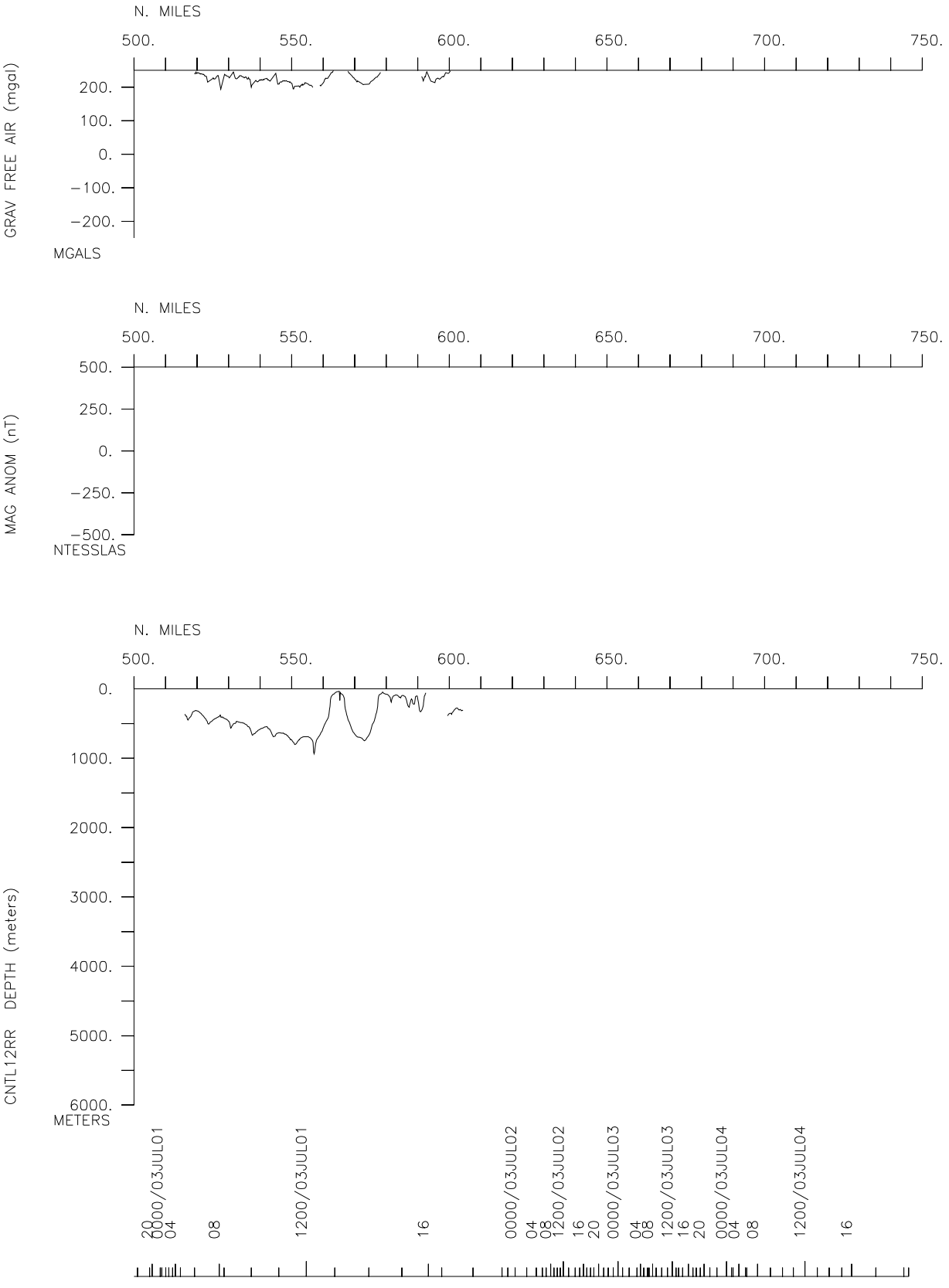
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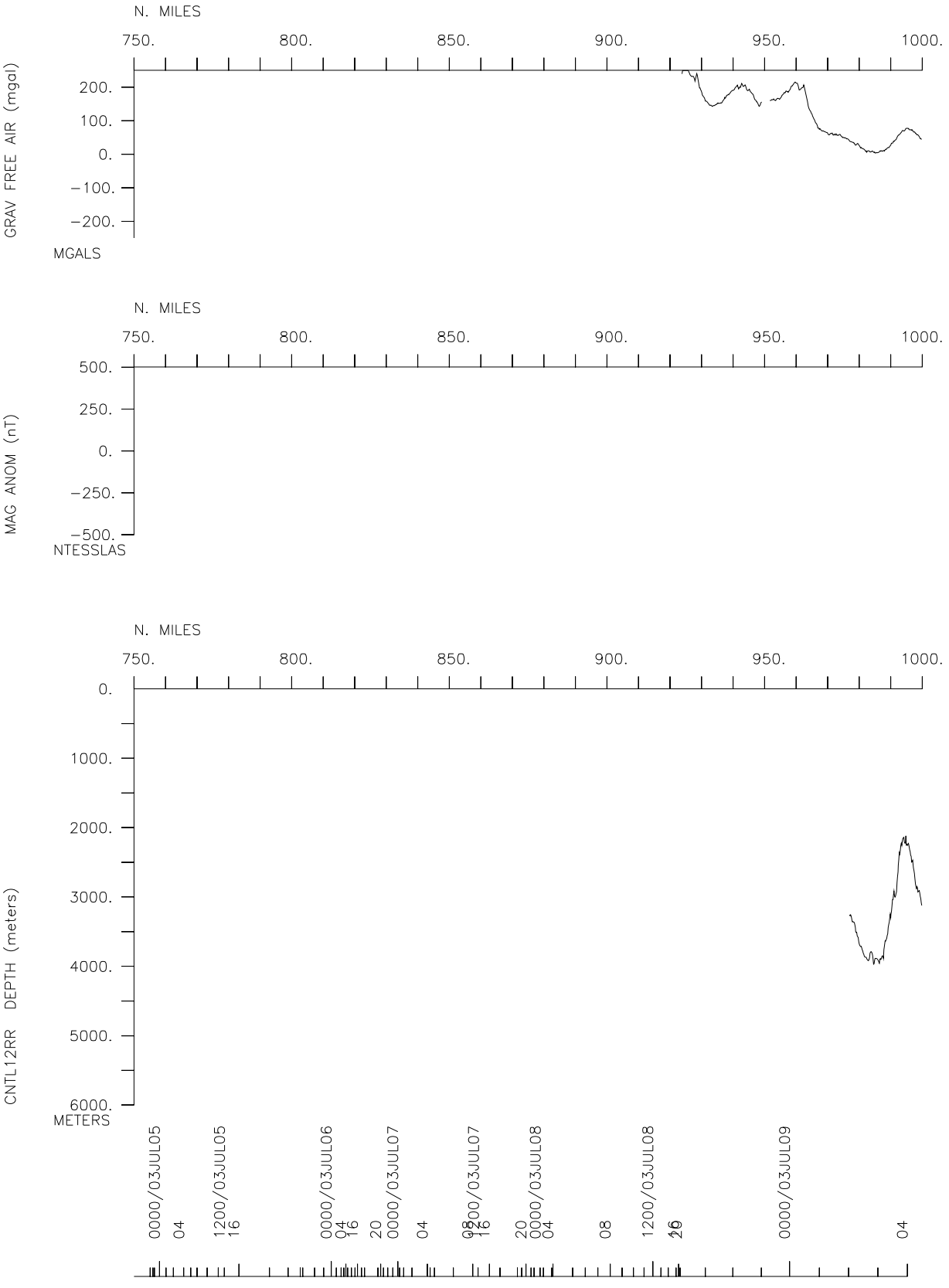
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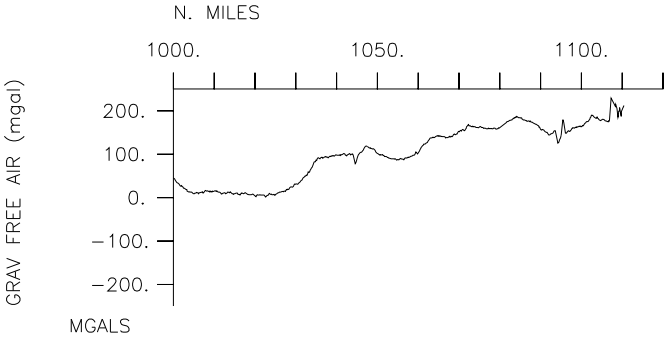
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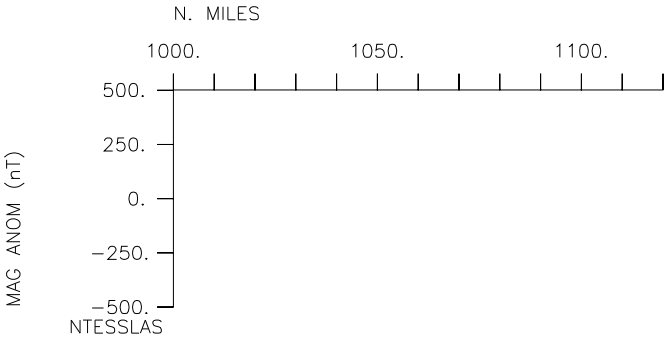
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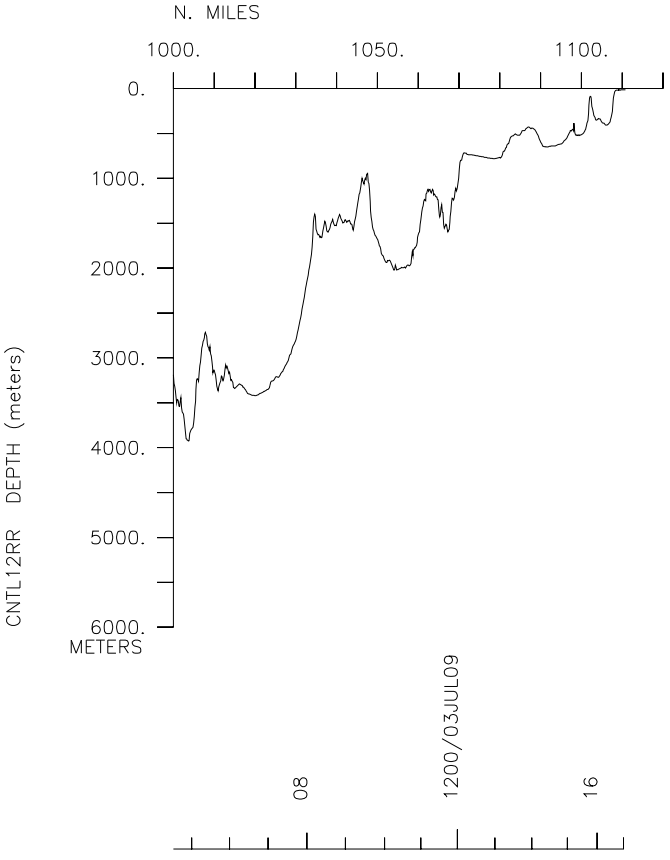
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METERS
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1200/03JUL09
16

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#*** Ports ***

0142 250603  0 LGPT B Honolulu, Hawaii          21-18.00N 157-52.00W f CNTL12RR
1720 090703  0 LGPT E Honolulu, Hawaii          21-18.00N 157-52.00W f CNTL12RR

#*** Personnel ***
#         ********NAME******** ******TITLE******  *****AFFILIATION**** **CRID**
#--- ---- -------------------- ----------------  -------------------- --------
PECS SIX  Porter, M.           Chief Scientist    SAIC                 CNTL12RR
PESP SIX  Badiey, M.           Scientist          Univ. of Delaware    CNTL12RR
PESP SIX  Bridge, B.           Technician         RESON Inc.           CNTL12RR
PESP SIX  Calder, B.           Scientist          U.of New Hampshire   CNTL12RR
PESP SIX  de Moustier, C.      Scientist          U.of New Hampshire   CNTL12RR
PESP SIX  Dickinson, D.        Technician         Science Solutions I. CNTL12RR
PESP MPL  Ensberg, D.          Technician         Scripps Institution  CNTL12RR
PESP SIX  Forsythe, S.         Scientist          NUWC                 CNTL12RR
PESP UWA  Fox, W.              Scientist          Univ. of Washington  CNTL12RR
PESP SIX  Ghazikhanian, L.     Scientist          SPAR WAR SSC         CNTL12RR
PEST SIX  Heitsenrether, B.    Grad student       Univ. of Delaware    CNTL12RR
PESP MPL  Hodgkiss, B.         Scientist          Scripps Institution  CNTL12RR
PESP SIX  Hursky, P.           Scientist          SAIC                 CNTL12RR
PESP SIX  Kraft, B.            Scientist          U.of New Hampshire   CNTL12RR
PESP SIX  Lenain, L.           Technician         Univ. of Delaware    CNTL12RR
PESP SIX  Mcdonald, K.         Scientist          SPAR WAR SSC         CNTL12RR
PESP SIX  Meathe, L.           Technician         SPAR WAR SSC         CNTL12RR
PESP UWA  Miller, V.           Technician         Univ. of Washington  CNTL12RR
PERT STS  Pillard, G.          Resident tech      Scripps Institution  CNTL12RR
PEST MPL  Raghukumar, K.       Grad student       Scripps Institution  CNTL12RR
PESP UWA  Rouseff, D.          Scientist          Univ. of Washington  CNTL12RR
PESP UWA  Sabin, P.            Technician         Univ. of Washington  CNTL12RR
PESP SIX  Siderius, M.         Scientist          SAIC                 CNTL12RR
PESP MPL  Skinner, J.          Technician         Scripps Institution  CNTL12RR
PESP SIX  Sundberg, A.         Technician         Univ. of Delaware    CNTL12RR
PECT STS  Quiel, B.            Computer tech      Scripps Institution  CNTL12RR

#*** 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                       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 (SIMRAD) ***

0404 250603  0 MBSI B Simrad multibeam     GDC  21-13.93N 158-13.57W g CNTL12RR
1807 090703  0 MBSI E Simrad multibeam     GDC  21-18.96N 157-53.17W g CNTL12RR


#*** Digital Gravity ***

0142 250603  0 GVDD B digital gravity      GDC  21-18.96N 157-53.17W g CNTL12RR
1807 090703  0 GVDD E digital gravity      GDC  21-18.96N 157-53.17W g CNTL12RR


#*** Integrated Meteorological Acquisition System ***

0142 250603  0 IMET B Meteorlogical Data   GDC  21-18.96N 157-53.17W g CNTL12RR
1807 090703  0 IMET E Meteorlogical Data   GDC  21-18.96N 157-53.17W g CNTL12RR
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#GMT DDMMYY    SAMP B SAMPLE               DISP                        p CRUISE
#TIME DATE  TZ CODE E IDENTIFIER           CODE LATITUDE  LONGITUDE    c LEG-SHIP
#---------- -- -------------------------- ---- --------- ----------   - --------

#*** Acoustic Doppler Current Profiler ***

0142 250603  0 ADCP B current measurements GDC  21-18.96N 157-53.17W g CNTL12RR
1807 090703  0 ADCP E current measurements GDC  21-18.96N 157-53.17W g CNTL12RR


#*** Echo Sounder Records ***
#*** Samples to SAIC ***

0900 050703  0 DPR3 B 3.5 kHz survey       SIX  22-08.50N 159-48.88W g CNTL12RR
1530 050703  0 DPR3 E 3.5 kHz survey       SIX  22-08.70N 159-50.49W g CNTL12RR

0511 080703  0 DPR3 B 3.5 kHz survey       SIX  22-10.15N 159-45.81W g CNTL12RR
2131 080703  0 DPR3 E 3.5 kHz survey       SIX  22-17.24N 159-39.42W g CNTL12RR


#*** Waverider - Anchored Bottom Surface Float to Measure Wave Height ***
#*** University of Delaware ***

0023 260603  0 WRAB B Waverider            SIX  22-08.69N 159-48.17W g CNTL12RR
2124 260603  0 WRAB E Waverider            SIX  22-08.79N 159-48.14W g CNTL12RR

0032 270603  0 WRAB B Waverider            SIX  22-08.72N 159-48.13W g CNTL12RR
1914 010703  0 WRAB E Waverider            SIX  22-08.75N 159-48.11W g CNTL12RR

1906 060703  0 WRAB B Waverider            SIX  22-08.78N 159-48.04W g CNTL12RR
0126 070703  0 WRAB E Waverider            SIX  22-08.72N 159-48.12W g CNTL12RR


#*** Acoustic Studies ***

0059 280603  0 ACXX B MPL-2 moored         MPL  22-10.15N 159-47.06W g CNTL12RR
0038 300603  0 ACXX E hydrophone array     MPL  22-10.46N 159-46.46W g CNTL12RR

1358 010703  0 ACXX B MPL-1 moored         MPL  22-08.91N 159-51.94W g CNTL12RR
0030 040703  0 ACXX E hydrophone array     MPL  22-10.20N 159-47.04W g CNTL12RR

0116 020703  0 ACXX B MPL-2 moored         MPL  22-07.80N 159-48.44W g CNTL12RR
2315 030703  0 ACXX E hydrophone array     MPL  22-07.86N 159-48.44W g CNTL12RR

2150 040703  0 ACXX B MPL-2 moored         MPL  22-09.21N 159-47.81W g CNTL12RR
1932 080703  0 ACXX E hydrophone array     MPL  22-09.23N 159-47.78W g CNTL12RR

2308 040703  0 ACXX B MPL-1 moored         MPL  22-08.35N 159-48.19W g CNTL12RR
2218 060703  0 ACXX E hydrophone array     MPL  22-08.45N 159-48.06W g CNTL12RR


#*** Grab Samples ***
#*** Samples to SAIC ***

2024 050703  0 GBXX B Grab sample 1        SIX  22-10.34N 159-46.88W g CNTL12RR

2234 050703  0 GBXX B Mud grab A5.5        SIX  22-10.33N 159-46.88W g CNTL12RR
2242 050703  0 GBXX E Mud grab A5.5        SIX  22-10.34N 159-46.88W g CNTL12RR

0100 060703  0 GBXX B Mud Grab A-4         SIX  22-09.71N 159-47.41W g CNTL12RR


0105 060703  0 GBXX B Grab A-4          99M SIX  22-09.71N 159-47.41W g CNTL12RR
0109 060703  0 GBXX E Grab A-4             SIX  22-09.71N 159-47.41W g CNTL12RR

0307 080703  0 GBXX B Grab Sample 3   100M SIX  22-07.76N 159-48.46W g CNTL12RR
0318 080703  0 GBXX E Grab Sample 3        SIX  22-07.78N 159-48.47W g CNTL12RR
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#GMT DDMMYY    SAMP B SAMPLE               DISP                        p CRUISE
#TIME DATE  TZ CODE E IDENTIFIER           CODE LATITUDE  LONGITUDE    c LEG-SHIP
#---------- -- ------------------------- ---- --------- ----------  - --------

#*** Water Column Temperature Array ***
#*** Samples to Science Solutions Inc. ***

1824 250603  0 WCTA B TS-3 moored therm-   SIX  22-09.03N 159-47.86W g CNTL12RR
0520 070703  0 WCTA E ister array          SIX  22-09.07N 159-47.83W g CNTL12RR

2007 250603  0 WCTA B TS 4 moored therm-   SIX  22-09.48N 159-47.62W g CNTL12RR
0430 070703  0 WCTA E ister array          SIX  22-08.90N 159-48.04W g CNTL12RR

2058 250603  0 WCTA B TS 5 moored therm-   SIX  22-09.91N 159-47.27W g CNTL12RR
2145 070703  0 WCTA E ister array          SIX  22-10.16N 159-47.06W g CNTL12RR

2215 250603  0 WCTA B TS-2 moored therm-   SIX  22-08.54N 159-48.19W g CNTL12RR
0235 070703  0 WCTA E ister array          SIX  22-08.65N 159-48.10W g CNTL12RR

2325 250603  0 WCTA B TS-1 moored therm-   SIX  22-07.99N 159-48.48W g CNTL12RR
0011 070703  0 WCTA E ister array          SIX  22-07.98N 159-48.52W g CNTL12RR

0121 260603  0 WCTA B T-4                  SIX  22-10.51N 159-46.68W g CNTL12RR
1826 040703  0 WCTA E T-4                  SIX  22-09.65N 159-47.47W g CNTL12RR

0133 270603  0 WCTA B T-4                  SIX  22-10.34N 159-46.86W g CNTL12RR
0430 070703  0 WCTA E T-4                  SIX  22-08.90N 159-48.04W g CNTL12RR

1934 270603  0 WCTA B T-2                  SIX  22-07.74N 159-48.51W g CNTL12RR
2320 060703  0 WCTA E T-2                  SIX  22-07.77N 159-48.42W g CNTL12RR

2342 280603  0 WCTA E T-3                  SIX  22-08.25N 159-48.21W g CNTL12RR

0128 290603  0 WCTA B T-3                  SIX  22-08.33N 159-48.18W g CNTL12RR
0455 300603  0 WCTA E T-3                  SIX  22-08.42N 159-48.29W g CNTL12RR

2348 300603  0 WCTA B T-2                  SIX  22-09.25N 159-47.71W g CNTL12RR
0518 040703  0 WCTA E T-2                  SIX  22-09.24N 159-47.71W g CNTL12RR

0615 010703  0 WCTA B TS-7                 SIX  22-09.96N 159-48.12W g CNTL12RR
0053 080703  0 WCTA E TS-7                 SIX  22-10.01N 159-48.10W g CNTL12RR


0425 040703  0 WCTA E TS-3                 SIX  22-10.35N 159-46.82W g CNTL12RR


0304 050703  0 WCTA B T-2                  SIX  22-07.79N 159-48.40W g CNTL12RR


0520 070703  0 WCTA E TS-3                 SIX  22-09.07N 159-47.83W g CNTL12RR


0203 080703  0 WCTA E TS-8                 SIX  22-09.99N 159-48.09W g CNTL12RR

#*** Water Column Temperature Array ***
#*** Samples for University of Delaware ***

2136 270603  0 WCTA B UDEL moored therm-   SIX  22-09.70N 159-47.43W g CNTL12RR
2140 280603  0 WCTA E ister array          SIX  22-09.70N 159-47.44W g CNTL12RR


2156 030703  0 WCTA E UDEL moored therm.   SIX  22-08.35N 159-48.18W g CNTL12RR
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#GMT DDMMYY    SAMP B SAMPLE               DISP                        p CRUISE
#TIME DATE  TZ CODE E IDENTIFIER           CODE LATITUDE  LONGITUDE    c LEG-SHIP
#---------- -- ---------------------------- ---- --------- ---------- - --------

#*** Conductivity, Temperature, Depth ***
#*** Samples to University of New Hamshire ***

0640 270603  0 TDCT B CTD                  SIX  22-10.34N 159-46.80W g CNTL12RR
0734 270603  0 TDCT E CTD                  SIX  22-10.34N 159-46.80W g CNTL12RR

0808 300603  0 TDCT B CTD                  SIX  22-11.24N 159-45.88W g CNTL12RR
0830 300603  0 TDCT E CTD                  SIX  22-11.25N 159-45.88W g CNTL12RR

1318 300603  0 TDCT B CTD                  SIX  22-06.46N 159-49.53W g CNTL12RR
1346 300603  0 TDCT E CTD           210m    SIX  22-06.46N 159-49.53W g CNTL12RR

0803 010703  0 TDCT B CTD                  SIX  22-09.77N 159-48.89W g CNTL12RR
0840 010703  0 TDCT E CTD                  SIX  22-09.77N 159-48.89W g CNTL12RR

0149 020703  0 TDCT B CTD                  SIX  22-07.94N 159-48.26W g CNTL12RR
0206 020703  0 TDCT E CTD                  SIX  22-07.94N 159-48.26W g CNTL12RR

0245 020703  0 TDCT B CTD                  SIX  22-10.20N 159-46.69W g CNTL12RR
0255 020703  0 TDCT E CTD                  SIX  22-10.20N 159-46.68W g CNTL12RR

#*** Samples to SAIC ***

0041 050703  0 TDCT B CTD (xbt1)           SIX  22-06.56N 159-49.59W g CNTL12RR
0109 050703  0 TDCT E CTD (xbt1)      340m SIX  22-06.56N 159-49.59W g CNTL12RR

0150 050703  0 TDCT B CTD (xbt2)           SIX  22-08.69N 159-48.79W g CNTL12RR
0215 050703  0 TDCT E CTD (xbt2)           SIX  22-08.69N 159-48.79W g CNTL12RR

0455 050703  0 TDCT B CTD (xbt3)           SIX  22-09.82N 159-48.09W g CNTL12RR
0518 050703  0 TDCT E CTD (xbt3)           SIX  22-09.82N 159-48.09W g CNTL12RR

0549 050703  0 TDCT B CTD (xbt4)           SIX  22-11.30N 159-46.80W g CNTL12RR
0616 050703  0 TDCT E CTD (xbt4)           SIX  22-11.30N 159-46.80W g CNTL12RR

1946 050703  0 TDCT B CTD A5.5            SIX  22-10.33N 159-46.88W g CNTL12RR
2001 050703  0 TDCT E CTD A5.5            SIX  22-10.34N 159-46.89W g CNTL12RR

0018 060703  0 TDCT B CTD A-4             SIX  22-09.69N 159-47.45W g CNTL12RR
0049 060703  0 TDCT E CTD A-4             SIX  22-09.71N 159-47.41W g CNTL12RR

0138 060703  0 TDCT B CTD A-3             SIX  22-09.17N 159-47.66W g CNTL12RR
0150 060703  0 TDCT E CTD A3              SIX  22-09.17N 159-47.66W g CNTL12RR

0230 060703  0 TDCT B CTD Ao              SIX  22-07.75N 159-48.27W g CNTL12RR
0240 060703  0 TDCT E CTD Ao              SIX  22-07.75N 159-48.27W g CNTL12RR


0443 060703  0 TDCT B CTD A1              SIX  22-08.72N 159-47.89W g CNTL12RR
0454 060703  0 TDCT E CTD A1              SIX  22-08.72N 159-47.89W g CNTL12RR


#*** Unknown Sample ***

2341 260603  0      B UW                  SIX  22-08.78N 159-48.02W g CNTL12RR
2008 060703  0      E UW                  SIX  22-08.94N 159-47.64W g CNTL12RR


#*** Current Meter ***
#*** Samples to University of Delaware ***

1933 070703  0 CMBA E ADCP                SIX  22-10.59N 159-46.70W g CNTL12RR
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#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
#*** Expendable Bathythermographs ***										
#*** Samples to SAIC ***										
1304	250603	0	BTXP		MK12 # 59	T-11	SIX	22-07.15N 159-48.78W	g	CNTL12RR
1552	250603	0	BTXP		MK12 # 61	T-11	SIX	22-10.67N 159-46.61W	g	CNTL12RR
0705	260603	0	BTXP		MK12 # 62	T-11	SIX	22-07.90N 159-48.66W	g	CNTL12RR
1037	260603	0	BTXP		MK12 # 63	T-11	SIX	22-07.34N 159-47.42W	g	CNTL12RR
1329	260603	0	BTXP		MK12 # 65	T-11	SIX	22-09.86N 159-46.69W	g	CNTL12RR
1424	260603	0	BTXP		MK12 # 67	T-11	SIX	22-06.65N 159-49.96W	g	CNTL12RR
1053	270603	0	BTXP		MK12 # 70	T-11	SIX	22-09.87N 159-46.56W	g	CNTL12RR
1252	270603	0	BTXP		MK12 # 71	T-11	SIX	22-07.17N 159-49.28W	g	CNTL12RR
0211	280603	0	BTXP		MK12 # 79	T-11	SIX	22-09.22N 159-47.83W	g	CNTL12RR
1039	280603	0	BTXP		MK12 # 78	T-11	SIX	22-09.95N 159-46.63W	g	CNTL12RR
0649	290603	0	BTXP		MK12 # 82	T-11	SIX	22-06.10N 159-48.80W	g	CNTL12RR
0603	300603	0	BTXP		MK12 # 83	T-11	SIX	22-07.97N 159-47.79W	g	CNTL12RR
0709	300603	0	BTXP		MK12 # 84	T-11	SIX	22-11.33N 159-46.17W	g	CNTL12RR
1114	300603	0	BTXP		MK12 # 85	T-11	SIX	22-07.17N 159-47.78W	g	CNTL12RR
1156	300603	0	BTXP		MK12 # 88	T-11	SIX	22-10.30N 159-45.75W	g	CNTL12RR
0626	010703	0	BTXP		MK12 #111	T-11	SIX	22-10.13N 159-47.90W	g	CNTL12RR
0723	010703	0	BTXP		MK12 #112	T-11	SIX	22-06.97N 159-50.04W	g	CNTL12RR
0316	250603	0	BTXP		MK12 # 1	T-7	SIX	21-10.17N 158-03.90W	g	CNTL12RR
0519	250603	0	BTXP		MK12 # 2	T-7	SIX	21-20.00N 158-28.91W	g	CNTL12RR
0545	250603	0	BTXP		MK12 # 4	T-7	SIX	21-22.04N 158-34.09W	g	CNTL12RR
0558	250603	0	BTXP		MK12 # 5	T-7	SIX	21-23.06N 158-36.71W	g	CNTL12RR
0605	250603	0	BTXP		MK12 # 6	T-7	SIX	21-23.62N 158-38.12W	g	CNTL12RR
0626	250603	0	BTXP		MK12 # 8	T-7	SIX	21-25.30N 158-42.38W	g	CNTL12RR
0638	250603	0	BTXP		MK12 # 9	T-7	SIX	21-26.24N 158-44.75W	g	CNTL12RR
0706	250603	0	BTXP		MK12 # 13	T-7	SIX	21-28.44N 158-50.28W	g	CNTL12RR
0734	250603	0	BTXP		MK12 # 15	T-7	SIX	21-30.66N 158-55.95W	g	CNTL12RR
0748	250603	0	BTXP		MK12 # 16	T-7	SIX	21-31.80N 158-58.82W	g	CNTL12RR
0804	250603	0	BTXP		MK12 # 17	T-7	SIX	21-33.09N 159-02.09W	g	CNTL12RR
0822	250603	0	BTXP		MK12 # 19	T-7	SIX	21-34.54N 159-05.75W	g	CNTL12RR
0835	250603	0	BTXP		MK12 # 21	T-7	SIX	21-35.59N 159-08.42W	g	CNTL12RR
0854	250603	0	BTXP		MK12 # 25	T-7	SIX	21-37.16N 159-12.40W	g	CNTL12RR
0907	250603	0	BTXP		MK12 # 27	T-7	SIX	21-38.26N 159-15.14W	g	CNTL12RR
0921	250603	0	BTXP		MK12 # 31	T-7	SIX	21-39.43N 159-18.10W	g	CNTL12RR
0931	250603	0	BTXP		MK12 # 33	T-7	SIX	21-40.26N 159-20.21W	g	CNTL12RR
0943	250603	0	BTXP		MK12 # 35	T-7	SIX	21-41.24N 159-22.71W	g	CNTL12RR
0956	250603	0	BTXP		MK12 # 37	T-7	SIX	21-42.31N 159-25.46W	g	CNTL12RR
1008	250603	0	BTXP		MK12 # 39	T-7	SIX	21-43.33N 159-28.04W	g	CNTL12RR
1020	250603	0	BTXP		MK12 # 42	T-7	SIX	21-44.34N 159-30.61W	g	CNTL12RR
1031	250603	0	BTXP		MK12 # 44	T-7	SIX	21-45.26N 159-32.94W	g	CNTL12RR
1043	250603	0	BTXP		MK12 # 45	T-7	SIX	21-46.28N 159-35.51W	g	CNTL12RR
1053	250603	0	BTXP		MK12 # 46	T-7	SIX	21-47.15N 159-37.65W	g	CNTL12RR
1105	250603	0	BTXP		MK12 # 48	T-7	SIX	21-48.17N 159-40.23W	g	CNTL12RR
1117	250603	0	BTXP		MK12 # 50	T-7	SIX	21-49.18N 159-42.82W	g	CNTL12RR
1126	250603	0	BTXP		MK12 # 51	T-7	SIX	21-49.96N 159-44.79W	g	CNTL12RR
1136	250603	0	BTXP		MK12 # 52	T-7	SIX	21-50.82N 159-46.97W	g	CNTL12RR
1145	250603	0	BTXP		MK12 # 53	T-7	SIX	21-51.60N 159-48.95W	g	CNTL12RR
1155	250603	0	BTXP		MK12 # 54	T-7	SIX	21-53.06N 159-50.08W	g	CNTL12RR
1205	250603	0	BTXP		MK12 # 55	T-7	SIX	21-55.19N 159-50.01W	g	CNTL12RR
1216	250603	0	BTXP		MK12 # 56	T-7	SIX	21-57.48N 159-50.07W	g	CNTL12RR
1231	250603	0	BTXP		MK12 # 57	T-7	SIX	22-00.54N 159-50.02W	g	CNTL12RR
1243	250603	0	BTXP		MK12 # 58	T-7	SIX	22-03.00N 159-50.02W	g	CNTL12RR
2130	260603	0	BTXP		MK12 # 68	T-7	SIX	22-08.85N 159-48.53W	g	CNTL12RR
0238	270603	0	BTXP		MK12 # 69	T-7	SIX	22-10.61N 159-47.44W	g	CNTL12RR
1900	270603	0	BTXP		MK12 # 72	T-7	SIX	22-08.19N 159-47.98W	g	CNTL12RR
2227	270603	0	BTXP		MK12 # 74	T-7	SIX	22-11.08N 159-47.60W	g	CNTL12RR
0927	010703	0	BTXP		MK12 #113	T-7	SIX	22-11.17N 159-48.83W	g	CNTL12RR
1001	010703	0	BTXP		MK12 #114	T-7	SIX	22-07.30N 159-51.73W	g	CNTL12RR
1038	010703	0	BTXP		MK12 #115	T-7	SIX	22-11.85N 159-49.22W	g	CNTL12RR
1138	010703	0	BTXP		MK12 #117	T-7	SIX	22-08.73N 159-53.26W	g	CNTL12RR
1332	010703	0	BTXP		MK12 #119	T-7	SIX	22-10.90N 159-50.60W	g	CNTL12RR

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1355	010703	0	BTXP		MK12 #120	T-7 SIX	22-09.09N	159-52.42W	g	CNTL12RR
1605	040703	0	BTXP		MK12 #123	T-7 SIX	22-07.16N	159-49.38W	g	CNTL12RR
1616	040703	0	BTXP		MK12 #124	T-7 SIX	22-08.61N	159-48.82W	g	CNTL12RR
1617	040703	0	BTXP		MK12 #125	T-7 SIX	22-08.73N	159-48.76W	g	CNTL12RR
1621	040703	0	BTXP		MK12 #126	T-7 SIX	22-09.21N	159-48.53W	g	CNTL12RR
1629	040703	0	BTXP		MK12 #127	T-7 SIX	22-10.04N	159-47.86W	g	CNTL12RR
1637	040703	0	BTXP		MK12 #128	T-7 SIX	22-10.78N	159-47.26W	g	CNTL12RR
1649	040703	0	BTXP		MK12 #129	T-7 SIX	22-11.99N	159-46.13W	g	CNTL12RR
1653	040703	0	BTXP		MK12 #130	T-7 SIX	22-12.39N	159-45.78W	g	CNTL12RR
1656	040703	0	BTXP		MK12 #131	T-7 SIX	22-12.69N	159-45.52W	g	CNTL12RR
1655	050703	0	BTXP		MK12 #132	T-7 SIX	22-06.66N	159-49.50W	g	CNTL12RR
1710	050703	0	BTXP		MK12 #133	T-7 SIX	22-06.42N	159-49.57W	g	CNTL12RR
1720	050703	0	BTXP		MK12 #134	T-7 SIX	22-07.34N	159-49.28W	g	CNTL12RR
1724	050703	0	BTXP		MK12 #135	T-7 SIX	22-07.70N	159-49.14W	g	CNTL12RR
1730	050703	0	BTXP		MK12 #136	T-7 SIX	22-08.27N	159-48.92W	g	CNTL12RR
1740	050703	0	BTXP		MK12 #137	T-7 SIX	22-09.16N	159-48.48W	g	CNTL12RR
1749	050703	0	BTXP		MK12 #138	T-7 SIX	22-09.93N	159-48.02W	g	CNTL12RR
1758	050703	0	BTXP		MK12 #139	T-7 SIX	22-10.59N	159-47.38W	g	CNTL12RR
0635	070703	0	BTXP		MK12 #140	T-7 SIX	22-06.58N	159-49.55W	g	CNTL12RR
0648	070703	0	BTXP		MK12 #141	T-7 SIX	22-07.80N	159-49.10W	g	CNTL12RR
0659	070703	0	BTXP		MK12 #142	T-7 SIX	22-08.82N	159-48.69W	g	CNTL12RR
0709	070703	0	BTXP		MK12 #143	T-7 SIX	22-09.67N	159-48.20W	g	CNTL12RR
0720	070703	0	BTXP		MK12 #144	T-7 SIX	22-10.50N	159-47.47W	g	CNTL12RR
0730	070703	0	BTXP		MK12 #145	T-7 SIX	22-11.27N	159-46.72W	g	CNTL12RR
1628	070703	0	BTXP		MK12 #146	T-7 SIX	22-06.60N	159-49.50W	g	CNTL12RR
1638	070703	0	BTXP		MK12 #147	T-7 SIX	22-07.57N	159-49.19W	g	CNTL12RR
1648	070703	0	BTXP		MK12 #148	T-7 SIX	22-08.49N	159-48.86W	g	CNTL12RR
1658	070703	0	BTXP		MK12 #149	T-7 SIX	22-09.38N	159-48.39W	g	CNTL12RR
1708	070703	0	BTXP		MK12 #150	T-7 SIX	22-10.20N	159-47.76W	g	CNTL12RR
1718	070703	0	BTXP		MK12 #151	T-7 SIX	22-10.95N	159-47.05W	g	CNTL12RR
2040	080703	0	BTXP		MK12 #152	T-7 SIX	22-13.58N	159-46.51W	g	CNTL12RR
2056	080703	0	BTXP		MK12 #153	T-7 SIX	22-14.72N	159-44.32W	g	CNTL12RR
2111	080703	0	BTXP		MK12 #154	T-7 SIX	22-15.83N	159-42.20W	g	CNTL12RR
2126	080703	0	BTXP		MK12 #155	T-7 SIX	22-16.88N	159-40.11W	g	CNTL12RR
2141	080703	0	BTXP		MK12 #156	T-7 SIX	22-17.94N	159-38.08W	g	CNTL12RR
2209	080703	0	BTXP		MK12 #157	T-7 SIX	22-19.83N	159-34.27W	g	CNTL12RR
2232	080703	0	BTXP		MK12 #158	T-7 SIX	22-19.73N	159-30.77W	g	CNTL12RR
2247	080703	0	BTXP		MK12 #159	T-7 SIX	22-19.07N	159-28.39W	g	CNTL12RR
2313	080703	0	BTXP		MK12 #160	T-7 SIX	22-17.74N	159-26.15W	g	CNTL12RR
0006	090703	0	BTXP		MK12 #161	T-7 SIX	22-16.10N	159-17.81W	g	CNTL12RR
0022	090703	0	BTXP		MK12 #162	T-7 SIX	22-15.09N	159-15.41W	g	CNTL12RR
0033	090703	0	BTXP		MK12 #163	T-7 SIX	22-14.67N	159-13.83W	g	CNTL12RR
0054	090703	0	BTXP		MK12 #164	T-7 SIX	22-13.75N	159-10.34W	g	CNTL12RR
0120	090703	0	BTXP		MK12 #165	T-7 SIX	22-12.41N	159-06.25W	g	CNTL12RR
0136	090703	0	BTXP		MK12 #166	T-7 SIX	22-11.61N	159-03.72W	g	CNTL12RR
0156	090703	0	BTXP		MK12 #167	T-7 SIX	22-10.61N	159-00.56W	g	CNTL12RR
0211	090703	0	BTXP		MK12 #168	T-7 SIX	22-09.89N	158-58.21W	g	CNTL12RR
0227	090703	0	BTXP		MK12 #169	T-7 SIX	22-09.08N	158-55.67W	g	CNTL12RR
0242	090703	0	BTXP		MK12 #170	T-7 SIX	22-08.31N	158-53.28W	g	CNTL12RR
0257	090703	0	BTXP		MK12 #171	T-7 SIX	22-07.56N	158-50.92W	g	CNTL12RR
0314	090703	0	BTXP		MK12 #172	T-7 SIX	22-06.70N	158-48.22W	g	CNTL12RR
0354	090703	0	BTXP		MK12 #173	T-7 SIX	22-04.70N	158-41.89W	g	CNTL12RR
0409	090703	0	BTXP		MK12 #174	T-7 SIX	22-03.95N	158-39.53W	g	CNTL12RR
0428	090703	0	BTXP		MK12 #175	T-7 SIX	22-03.02N	158-36.56W	g	CNTL12RR
0443	090703	0	BTXP		MK12 #176	T-7 SIX	22-02.27N	158-34.20W	g	CNTL12RR
0448	090703	0	BTXP		MK12 #177	T-7 SIX	22-02.02N	158-33.41W	g	CNTL12RR
0504	090703	0	BTXP		MK12 #178	T-7 SIX	22-01.22N	158-30.88W	g	CNTL12RR
0519	090703	0	BTXP		MK12 #179	T-7 SIX	22-00.47N	158-28.52W	g	CNTL12RR

#GMT DDMMYY TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
0534 090703	0	BTXP	MK12	#180	T-7 SIX	21-59.74N	158-26.16W	g	CNTL12RR
0553 090703	0	BTXP	MK12	#181	T-7 SIX	21-58.78N	158-23.16W	g	CNTL12RR
0608 090703	0	BTXP	MK12	#182	T-7 SIX	21-58.02N	158-20.76W	g	CNTL12RR
0625 090703	0	BTXP	MK12	#183	T-7 SIX	21-57.13N	158-18.01W	g	CNTL12RR
0642 090703	0	BTXP	MK12	#184	T-7 SIX	21-56.26N	158-15.27W	g	CNTL12RR
0659 090703	0	BTXP	MK12	#185	T-7 SIX	21-55.41N	158-12.56W	g	CNTL12RR
0716 090703	0	BTXP	MK12	#186	T-7 SIX	21-54.56N	158-09.86W	g	CNTL12RR
0733 090703	0	BTXP	MK12	#187	T-7 SIX	21-53.70N	158-07.16W	g	CNTL12RR
0750 090703	0	BTXP	MK12	#188	T-7 SIX	21-52.86N	158-04.36W	g	CNTL12RR
0805 090703	0	BTXP	MK12	#189	T-7 SIX	21-52.07N	158-01.88W	g	CNTL12RR
0821 090703	0	BTXP	MK12	#190	T-7 SIX	21-51.23N	157-59.30W	g	CNTL12RR
0854 090703	0	BTXP	MK12	#191	T-7 SIX	21-49.58N	157-54.04W	g	CNTL12RR
0910 090703	0	BTXP	MK12	#192	T-7 SIX	21-48.74N	157-51.46W	g	CNTL12RR
0926 090703	0	BTXP	MK12	#193	T-7 SIX	21-46.89N	157-49.48W	g	CNTL12RR
0942 090703	0	BTXP	MK12	#194	T-7 SIX	21-44.90N	157-47.71W	g	CNTL12RR
0958 090703	0	BTXP	MK12	#195	T-7 SIX	21-43.02N	157-46.01W	g	CNTL12RR
1013 090703	0	BTXP	MK12	#196	T-7 SIX	21-41.28N	157-44.46W	g	CNTL12RR
1029 090703	0	BTXP	MK12	#197	T-7 SIX	21-39.48N	157-42.85W	g	CNTL12RR
1044 090703	0	BTXP	MK12	#198	T-7 SIX	21-37.78N	157-41.33W	g	CNTL12RR
1059 090703	0	BTXP	MK12	#199	T-7 SIX	21-36.07N	157-39.82W	g	CNTL12RR
1114 090703	0	BTXP	MK12	#200	T-7 SIX	21-34.34N	157-38.27W	g	CNTL12RR
1129 090703	0	BTXP	MK12	#201	T-7 SIX	21-32.56N	157-36.69W	g	CNTL12RR
1144 090703	0	BTXP	MK12	#202	T-7 SIX	21-30.82N	157-35.13W	g	CNTL12RR
1159 090703	0	BTXP	MK12	#203	T-7 SIX	21-29.14N	157-33.60W	g	CNTL12RR
1214 090703	0	BTXP	MK12	#204	T-7 SIX	21-27.35N	157-32.16W	g	CNTL12RR
1229 090703	0	BTXP	MK12	#205	T-7 SIX	21-25.44N	157-30.86W	g	CNTL12RR
1244 090703	0	BTXP	MK12	#206	T-7 SIX	21-23.52N	157-29.55W	g	CNTL12RR
1314 090703	0	BTXP	MK12	#208	T-7 SIX	21-19.69N	157-28.02W	g	CNTL12RR
1148 010703	0	BTXP	MK12	#118	Fast_Deep SIX	22-10.01N	159-52.49W	g	CNTL12RR

End Sample Index CNTL12RR