Report and Index of

Underway Marine Geophysical Data

Cook Expedition

Leg 23

(COOK23MV)

R/V Melville

(Issued July 2002)

Ports:
Osaka, Japan (1 May 2002)
to
Honolulu, Hawaii (5 June 2002)

Chief Scientist: Chris Measures
University of Hawaii
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Computer Tech - Dan Jacobson
Resident Tech - Gene Pillard

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
Overall track chart of cruise leg, dates, ports, and mileage of each type of data collected.
Track Chart

Profiles

Sample Index

Index Chart
Overall track chart of cruise leg, dates, ports, and mileage of each type of data collected.

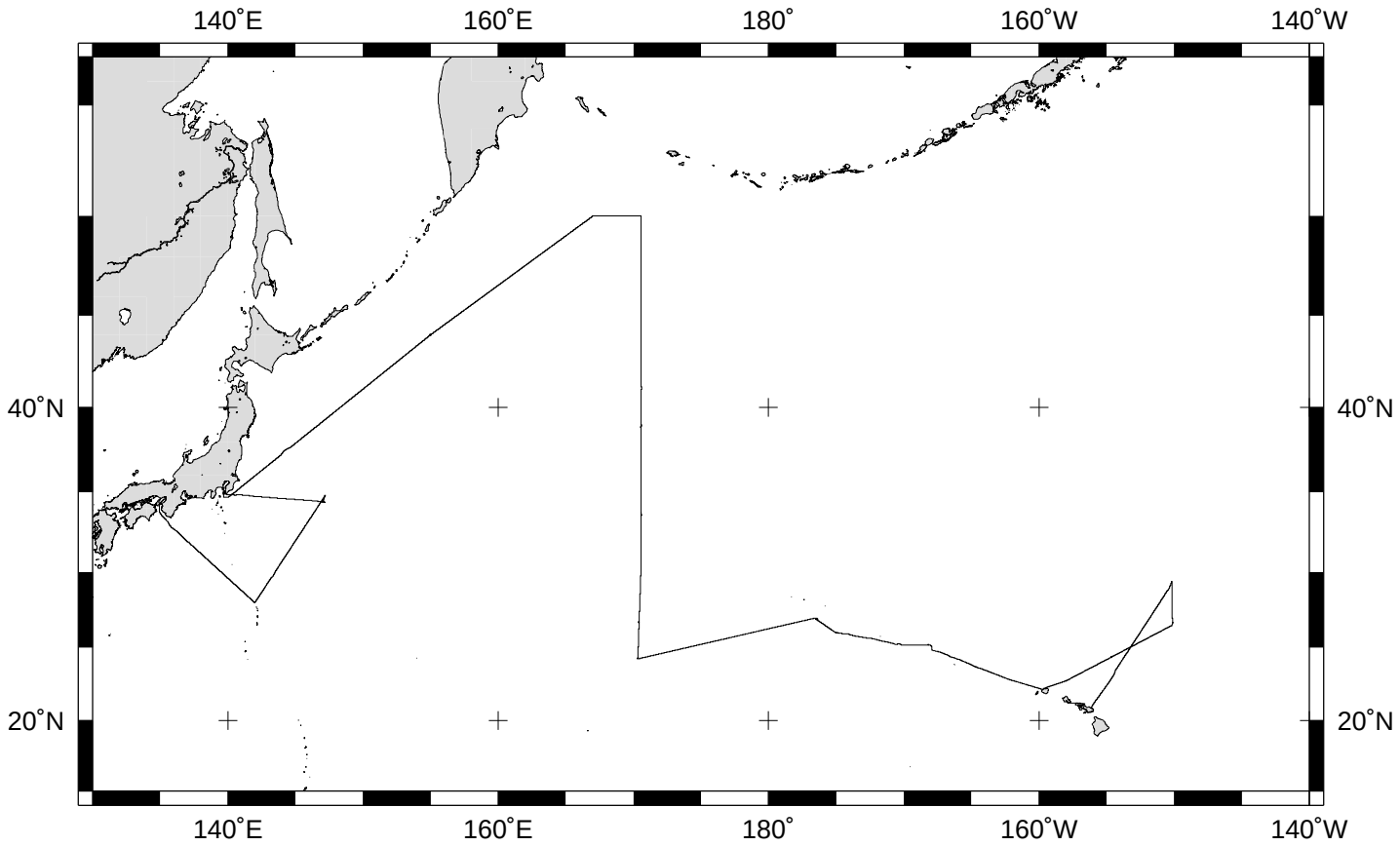
Track Charts
Annotated with dates and hour ticks

Profiles
Depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the botttom 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 23 (COOK23MV)

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CHIEF SCIENTIST: Chris Measures, University of Hawaii

PORTS: Osaka, Japan - Honolulu, Hawaii

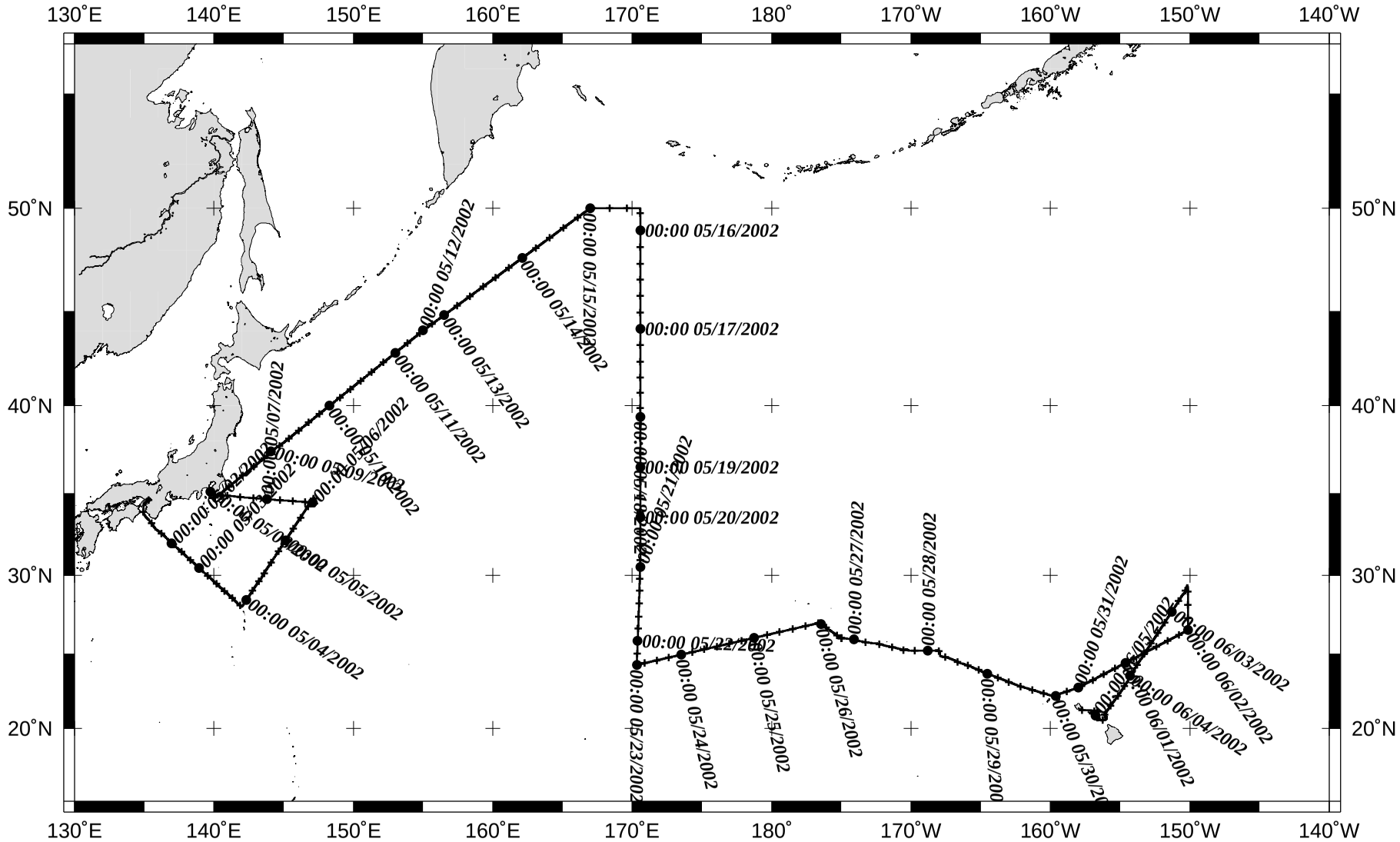
DATES: 1 May - 5 June 2002

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-8148 miles	**Magnetics-none collected**
Bathymetry-5764 miles	**Seismic Reflection-none collected**
Multibeam-5764 miles	**Gravity-8148 miles**

COOK23MV



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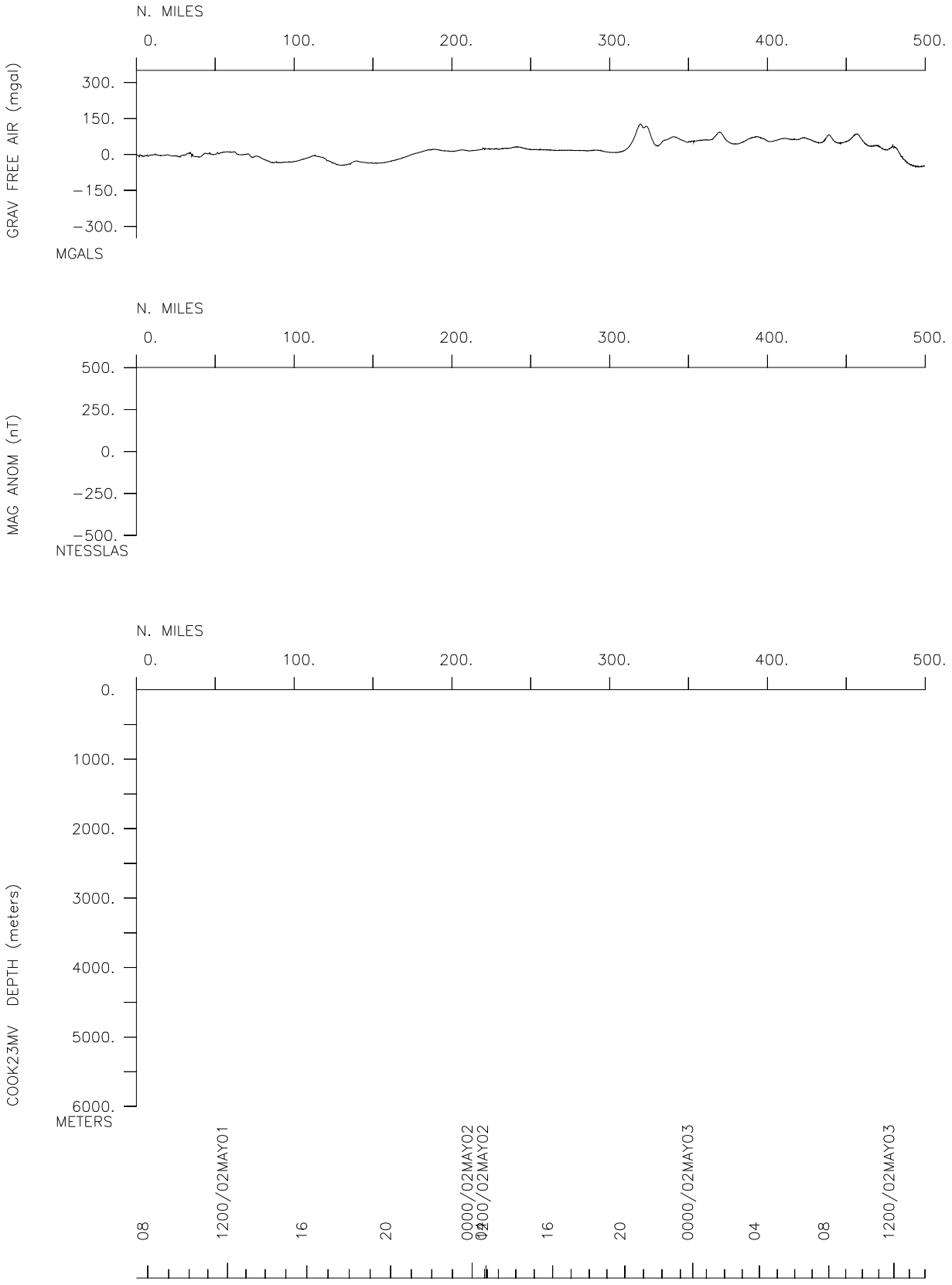
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200.
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400.
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300.
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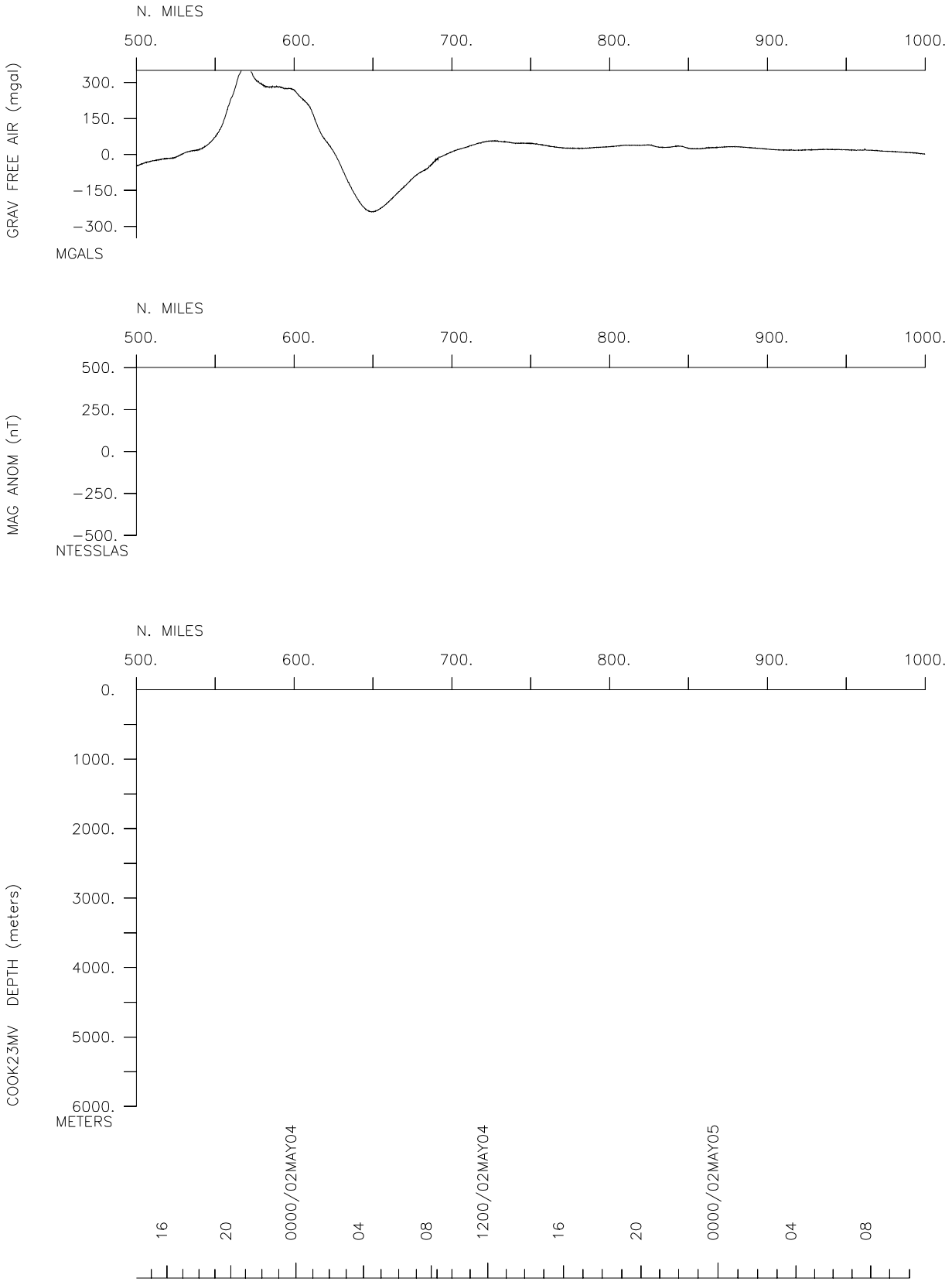
−300.
MGALS
N. MILES
0.
100.
200.
300.
400.
500.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
0.
100.
200.
300.
400.
500.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
08
1200/02MAY01
16
20
0000/02MAY02
04
1200/02MAY02
16
20
0000/02MAY03
04
08
1200/02MAY03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MGALS
N. MILES
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600.
700.
800.
900.
1000.
MAG ANOM (nT)
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0.
−250.
−500.
NTESSLAS
N. MILES
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900.
1000.
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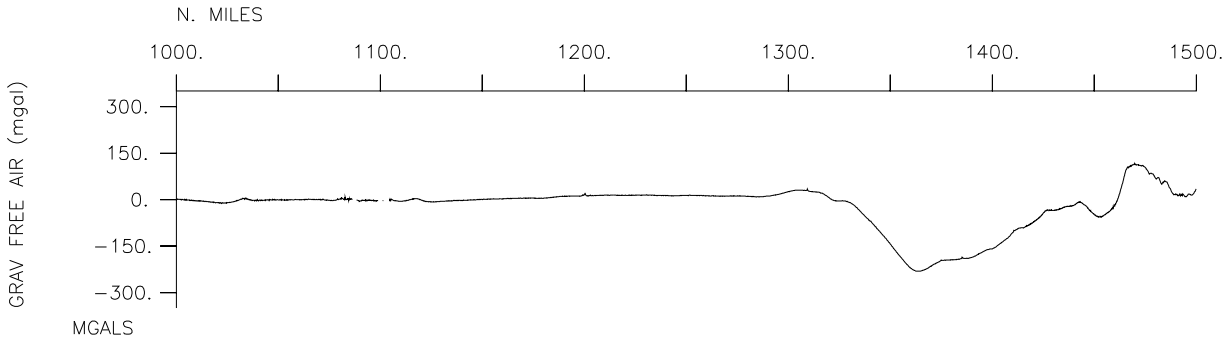
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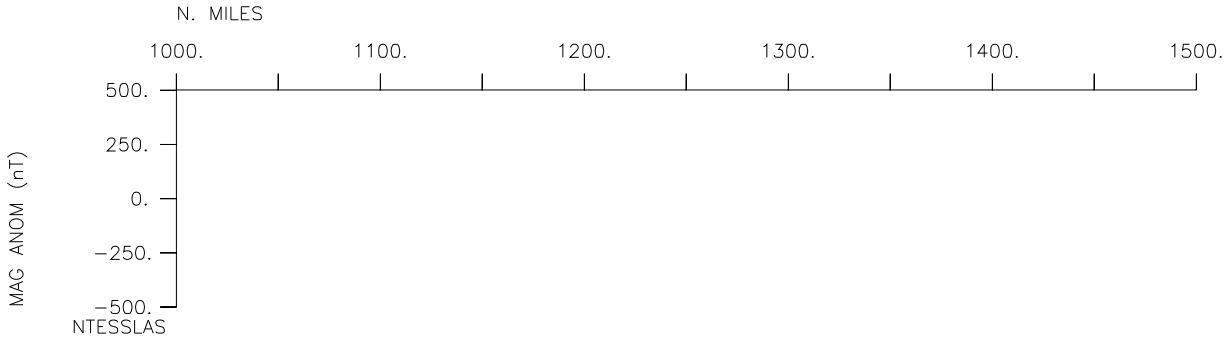
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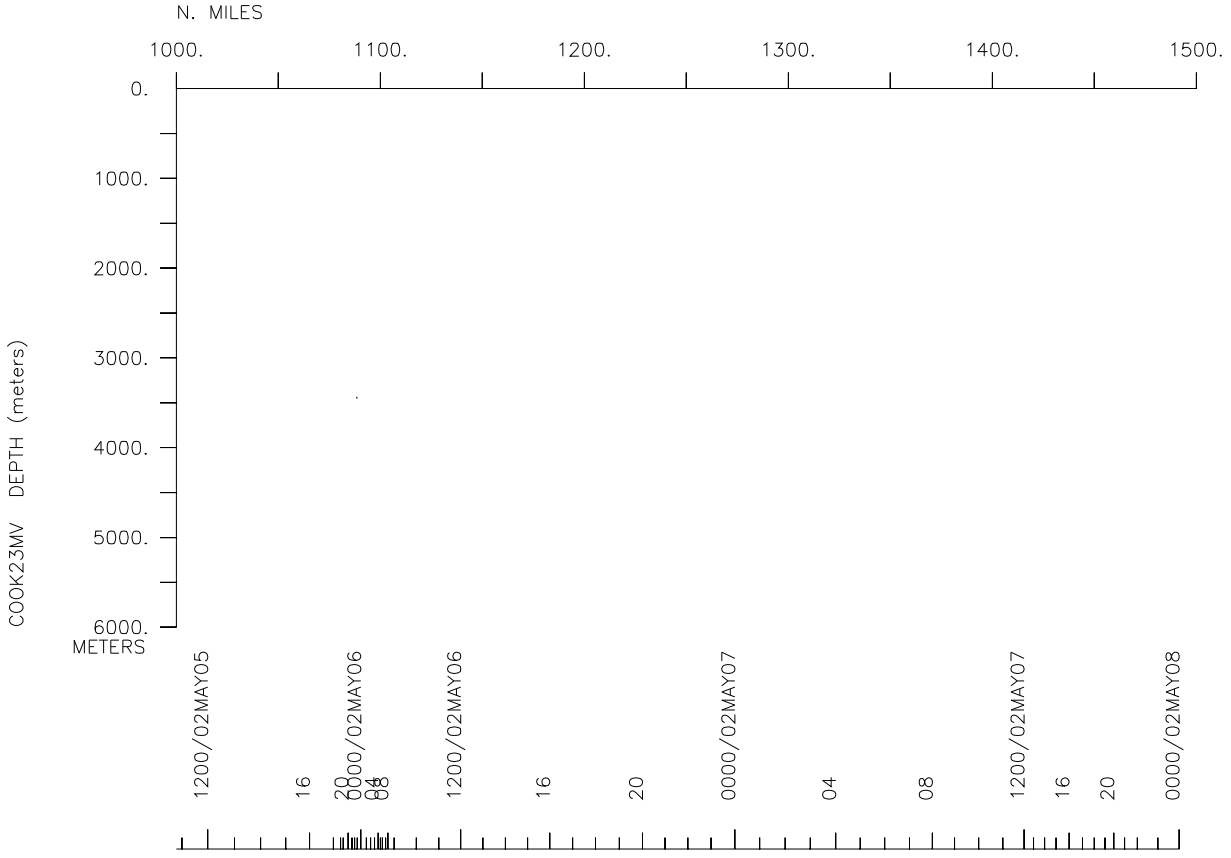
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5000.
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METERS
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16
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0000/02MAY06
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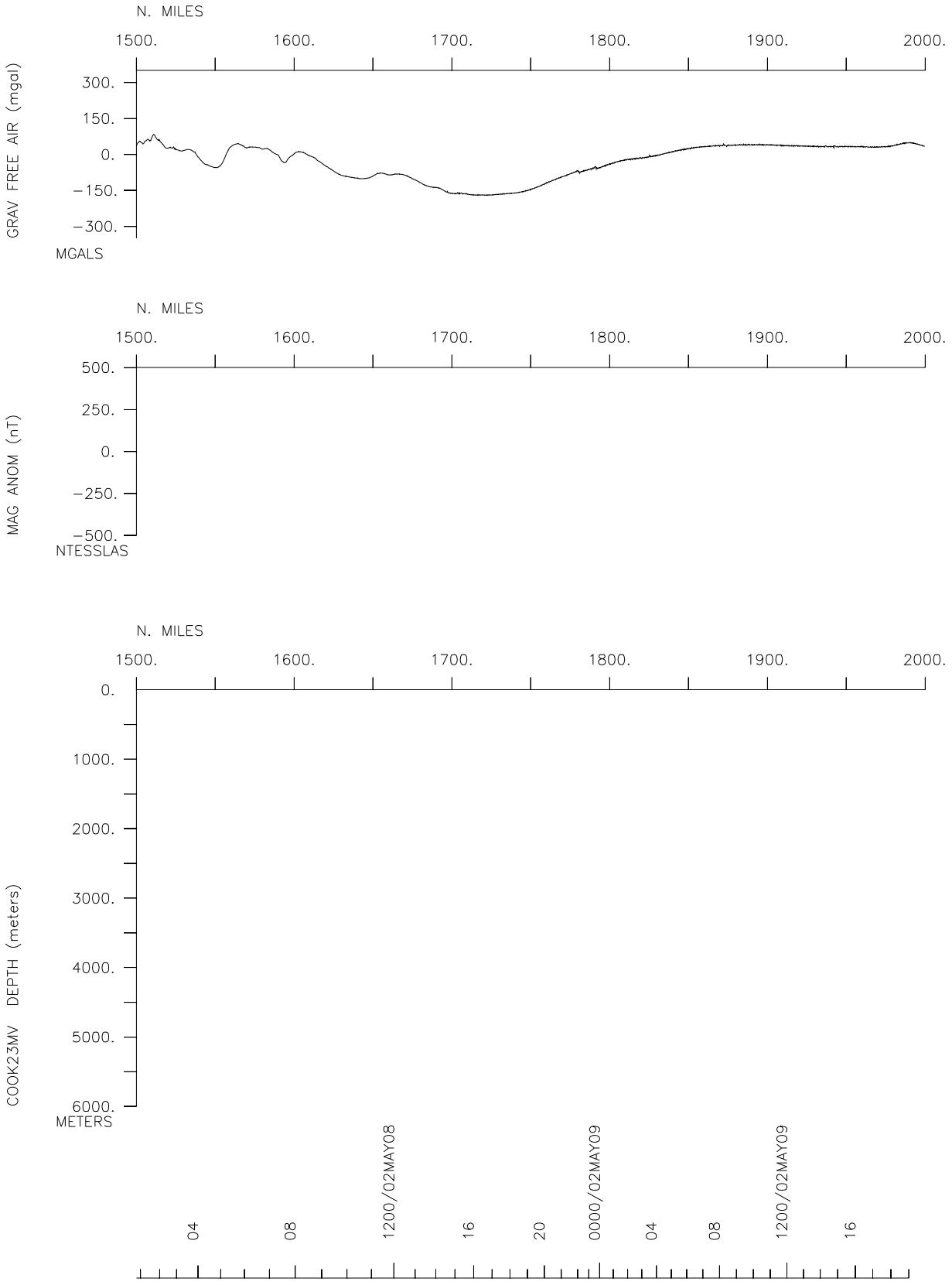
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MGALS
N. MILES
1500.
1600.
1700.
1800.
1900.
2000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
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1600.
1700.
1800.
1900.
2000.
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1200/02MAY09
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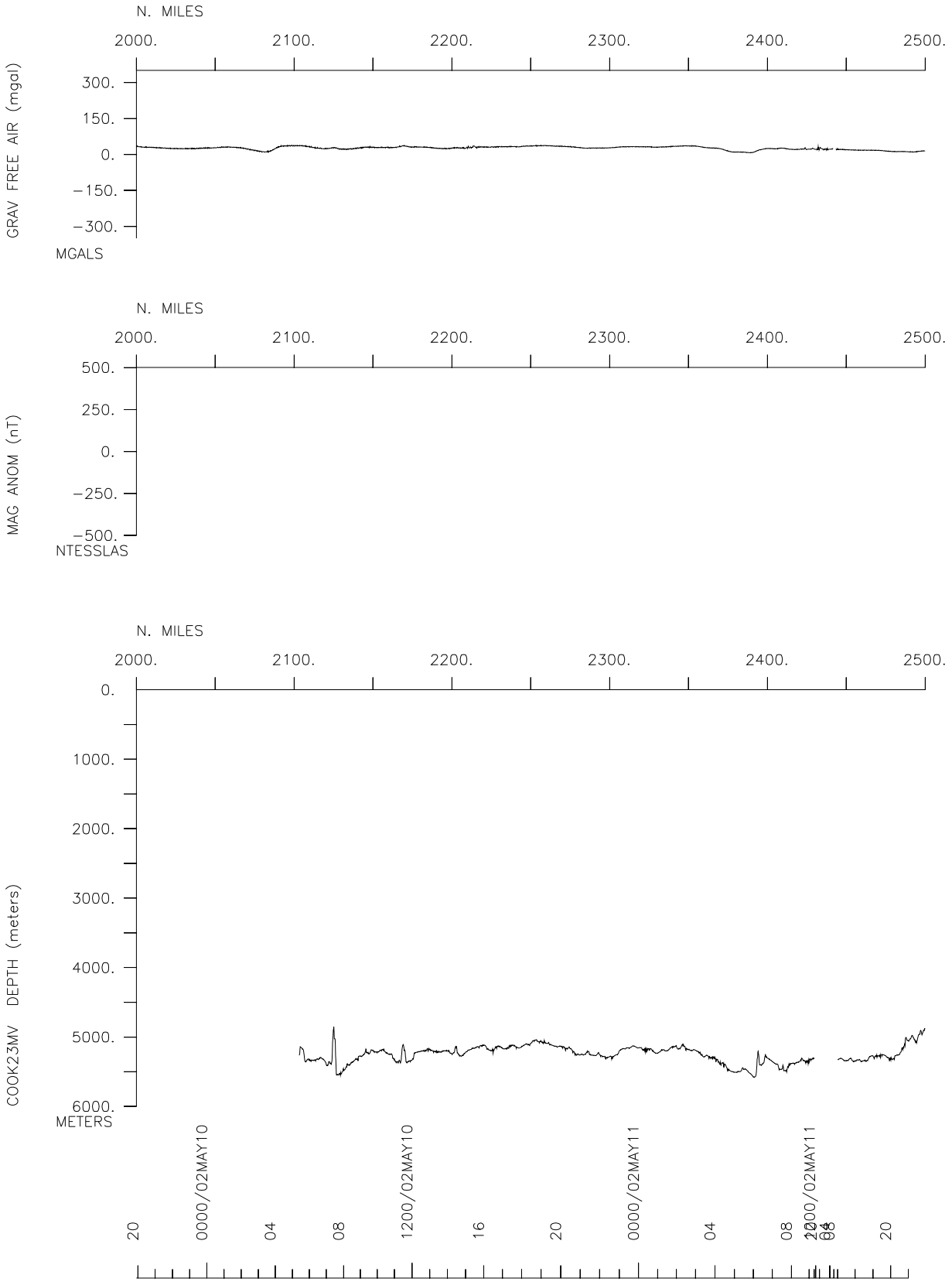
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MGALS
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2100.
2200.
2300.
2400.
2500.
MAG ANOM (nT)
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250.
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−250.
−500.
NTESSLAS
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2100.
2200.
2300.
2400.
2500.
COOK23MV DEPTH (meters)
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1200/02MAY11
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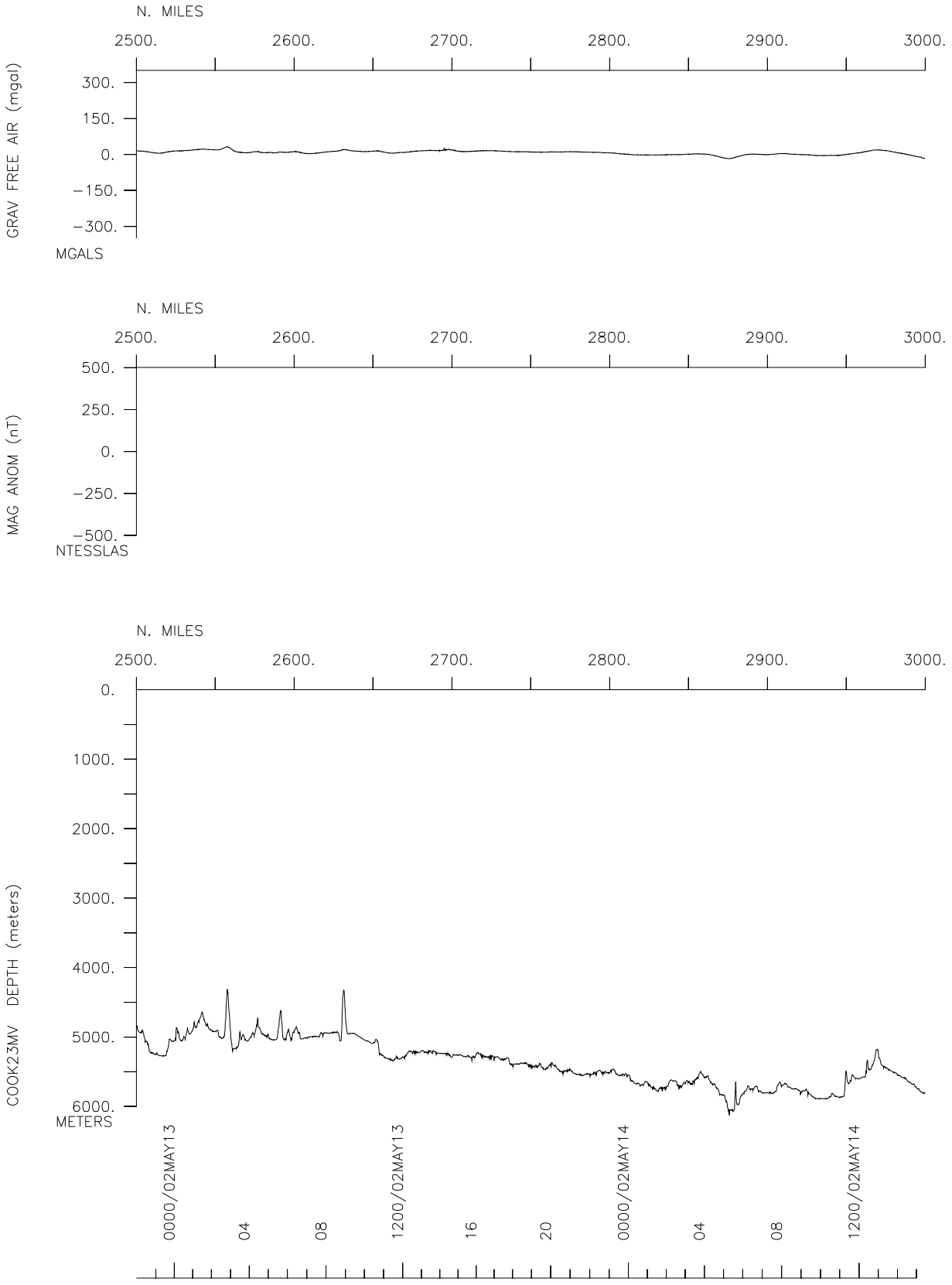
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2600.
2700.
2800.
2900.
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MAG ANOM (nT)
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NTESSLAS
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2800.
2900.
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COOK23MV DEPTH (meters)
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2000.
3000.
4000.
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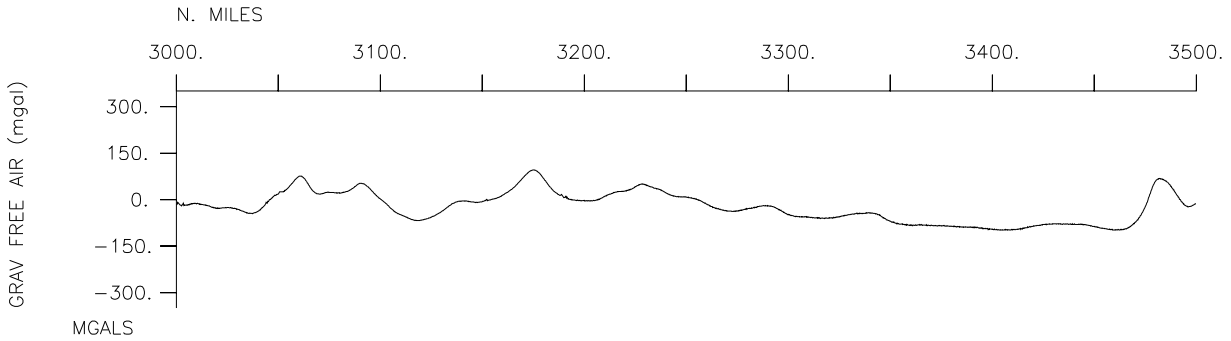
1200/02MAY14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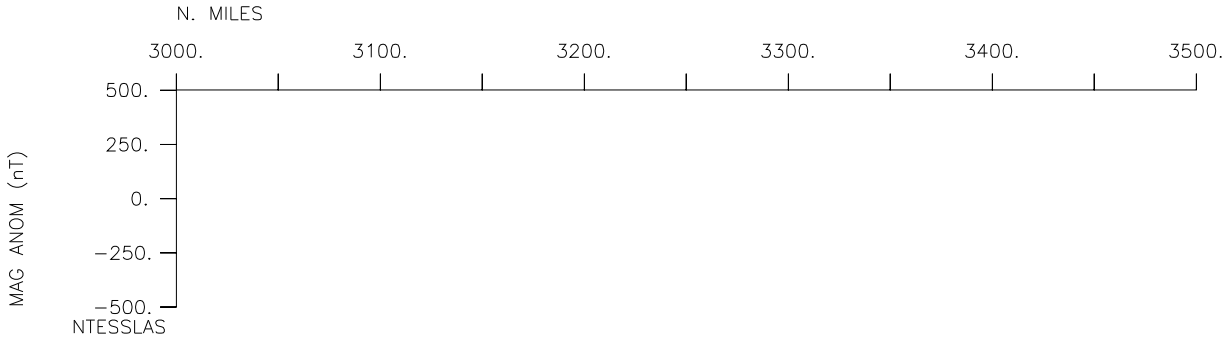
MGALS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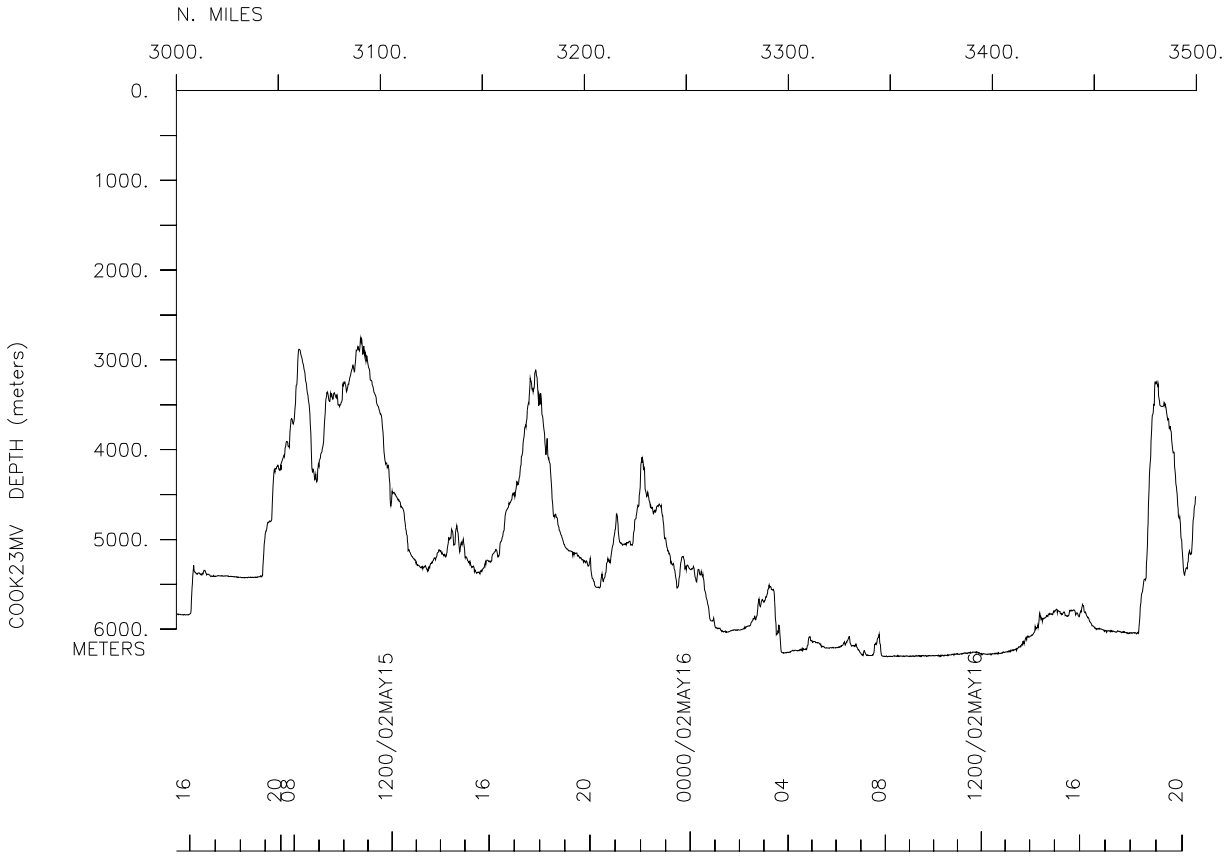
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3000.
4000.
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1200/02MAY16
16
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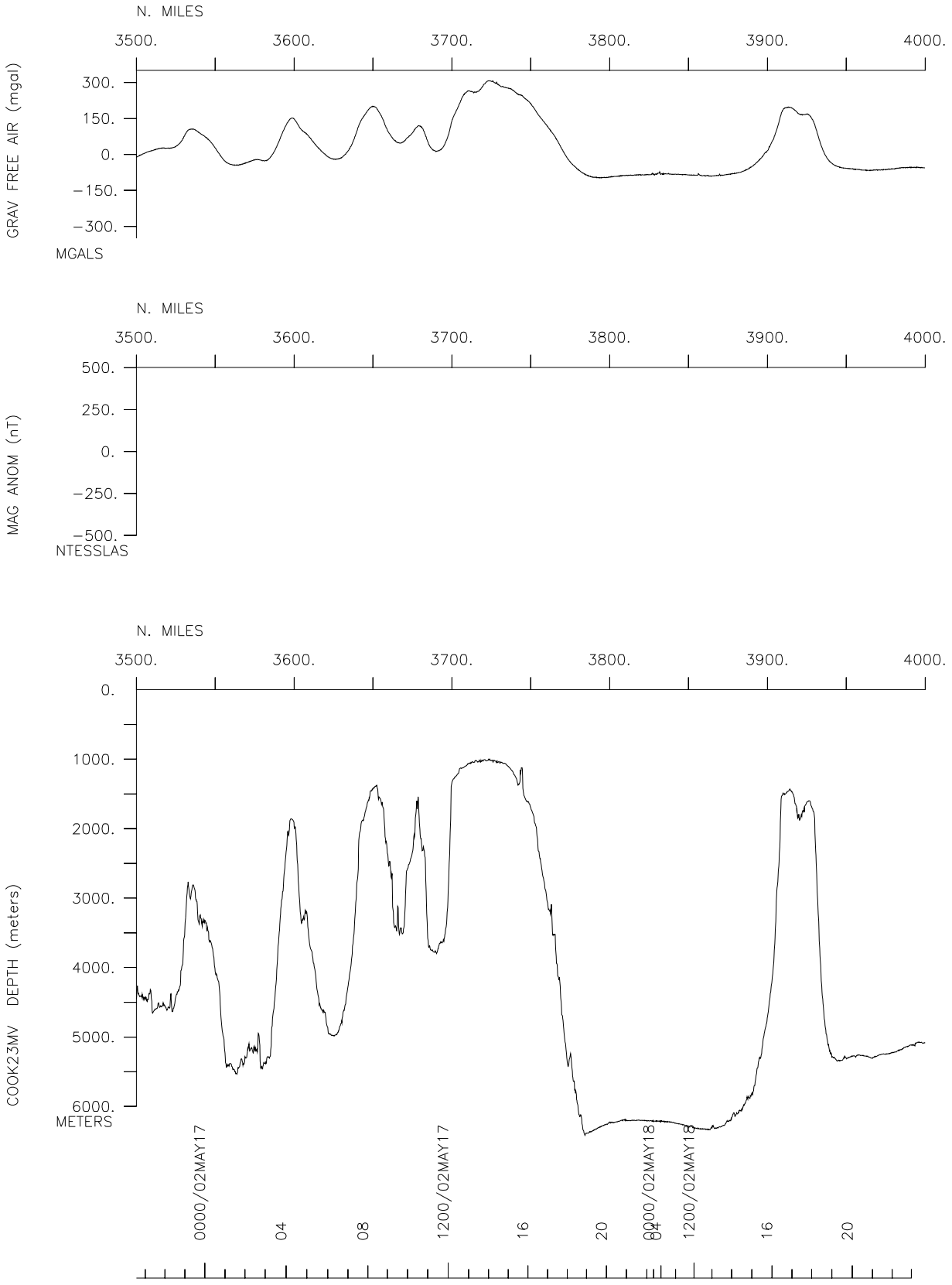
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GRAV FREE AIR (mgal)
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−300.
MGALS
N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
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METERS
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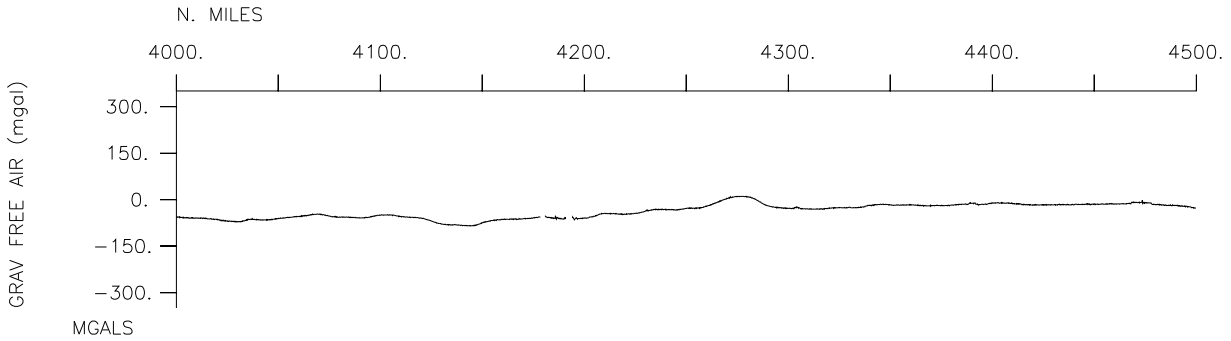
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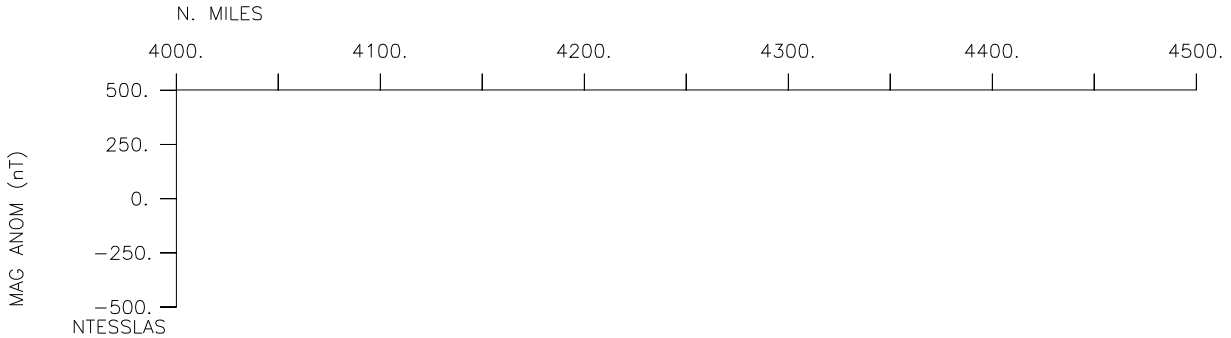
MGALS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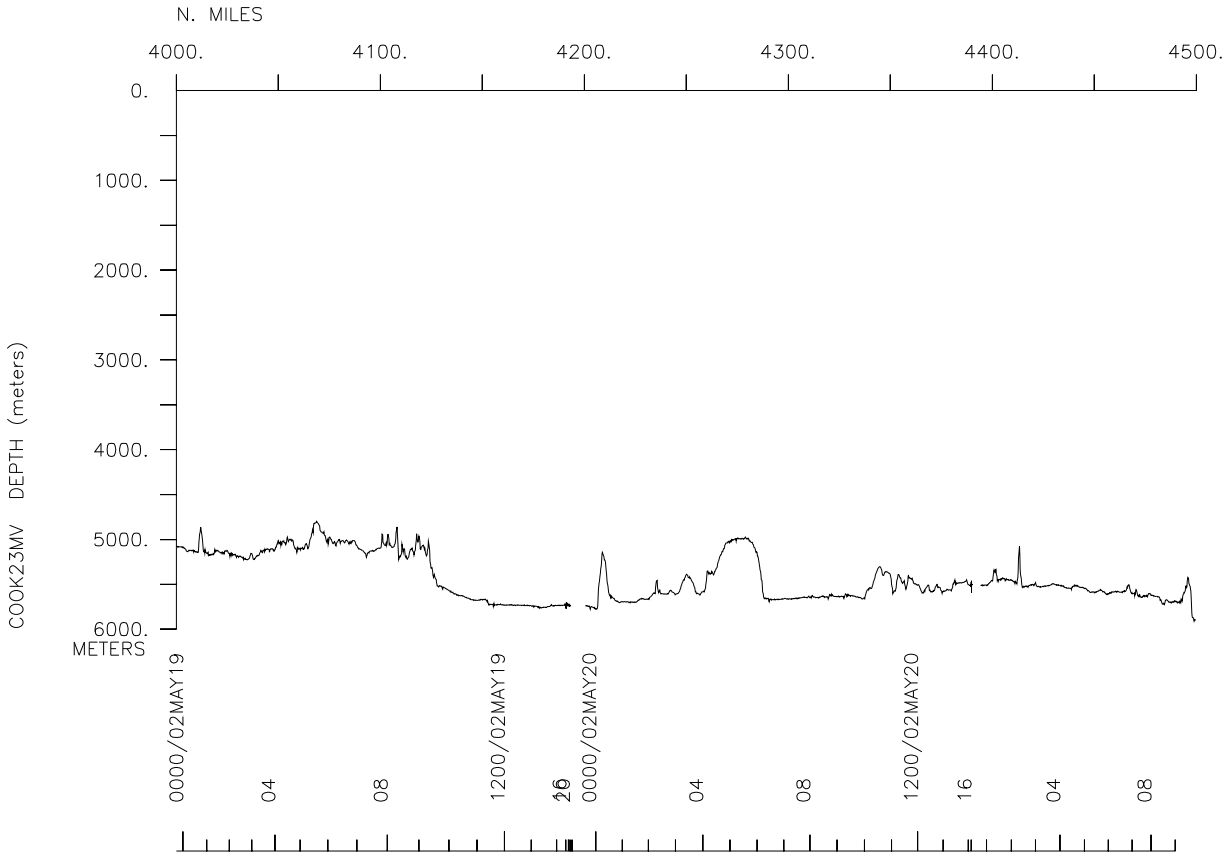
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3000.
4000.
5000.
6000.
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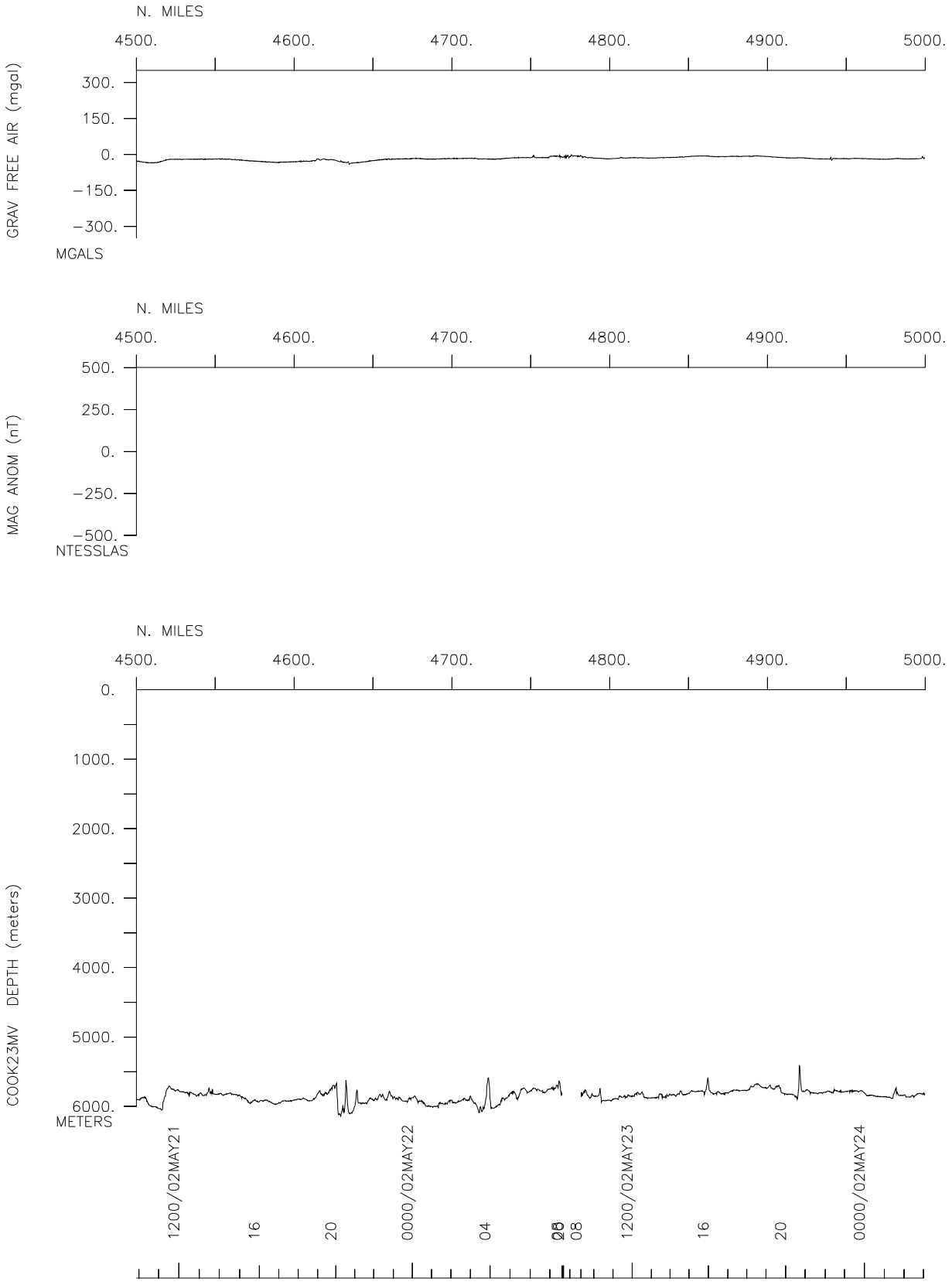
04
08
1200/02MAY20
16
04
08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−300.
MGALS
N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
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METERS
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0000/02MAY22
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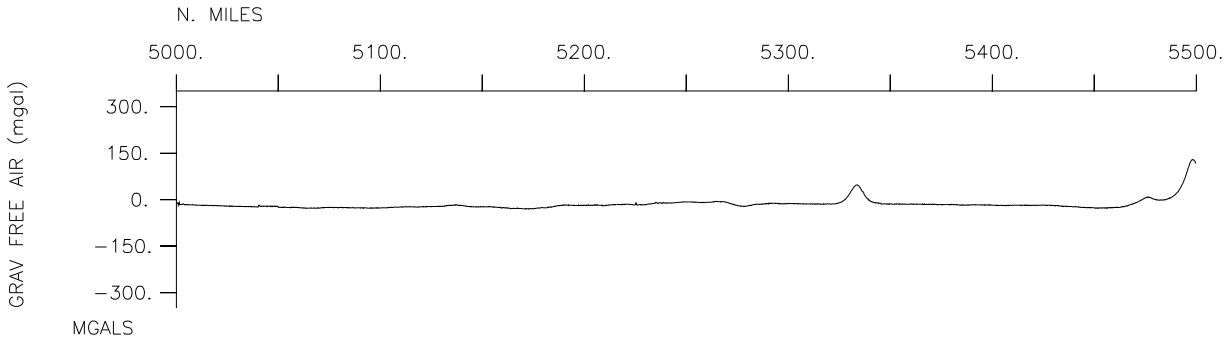
0000/02MAY24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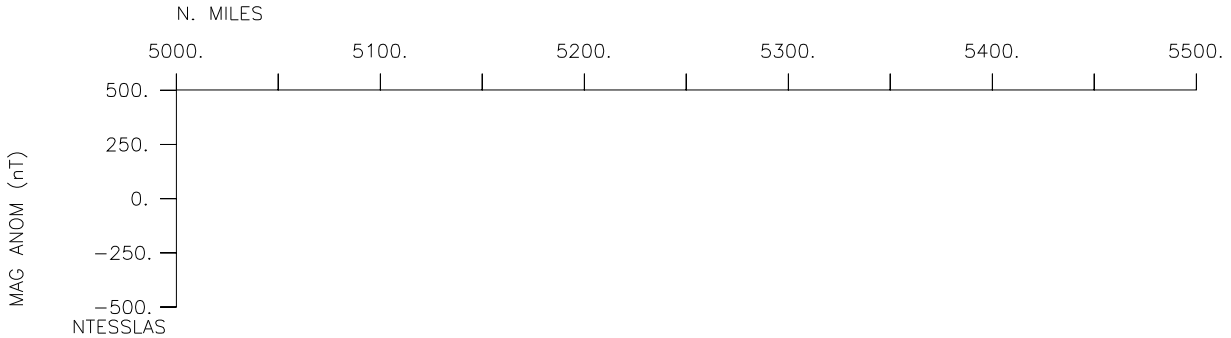
MGALS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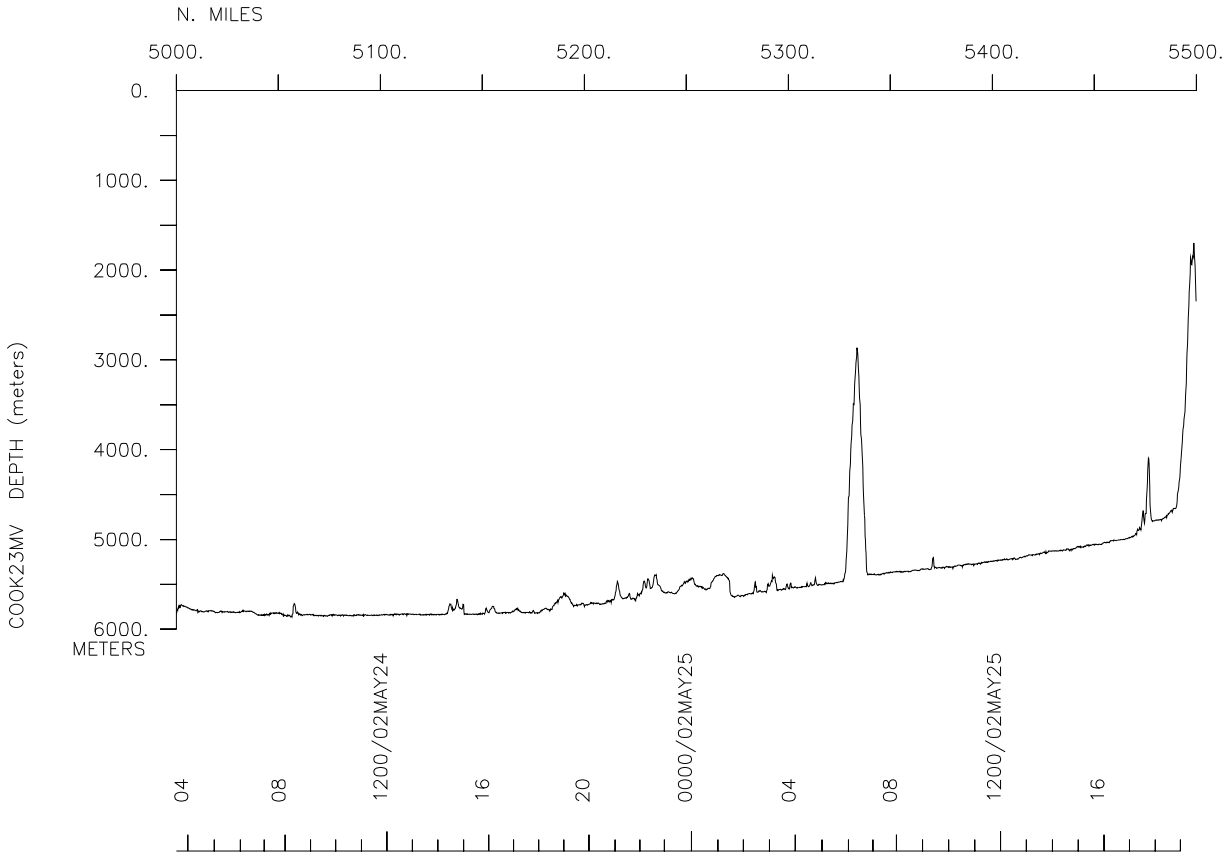
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3000.
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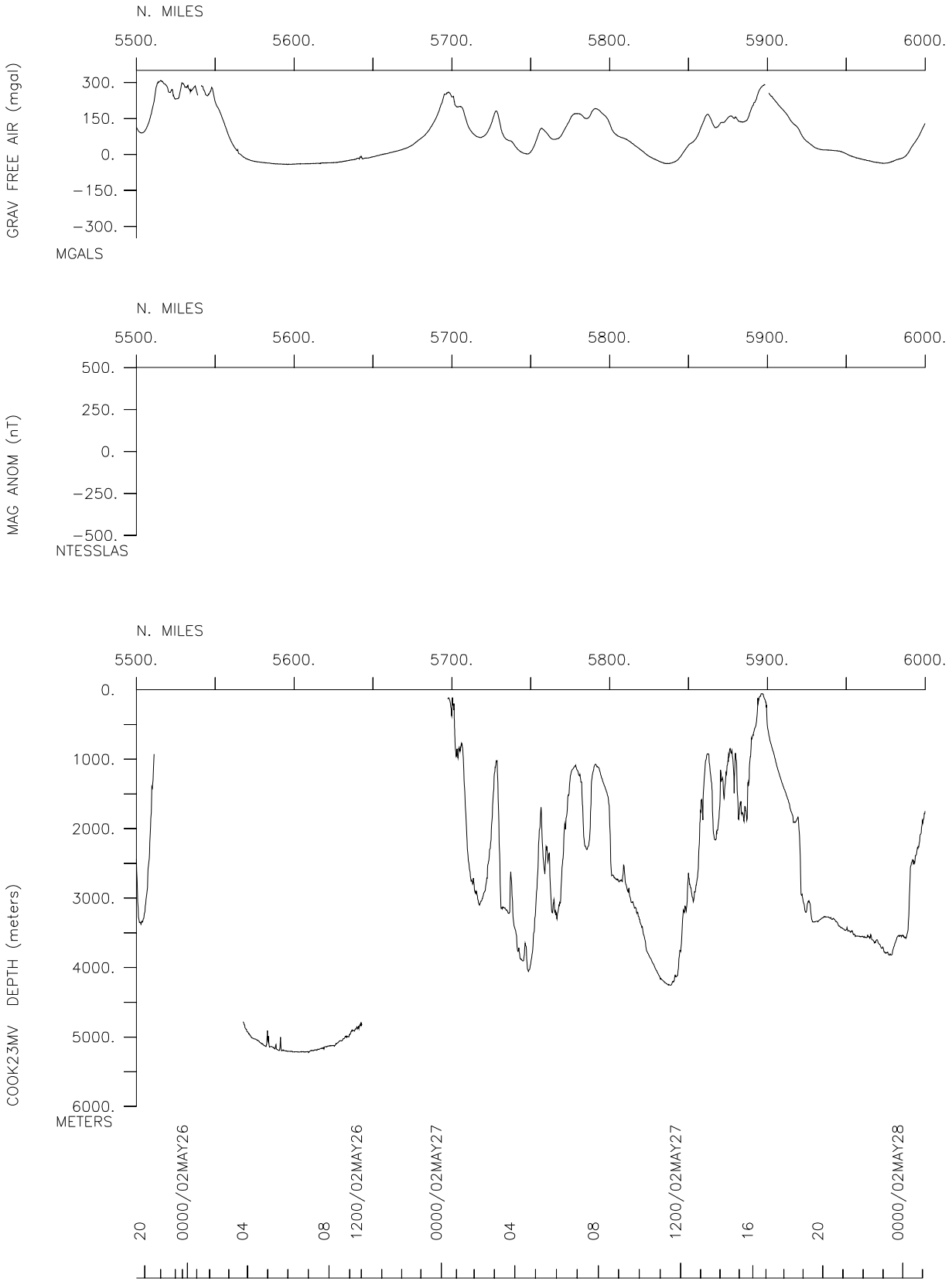
04
08
1200/02MAY25
16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6000.
GRAV FREE AIR (mgal)
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150.
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−150.
−300.
MGALS
N. MILES
5500.
5600.
5700.
5800.
5900.
6000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
5500.
5600.
5700.
5800.
5900.
6000.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
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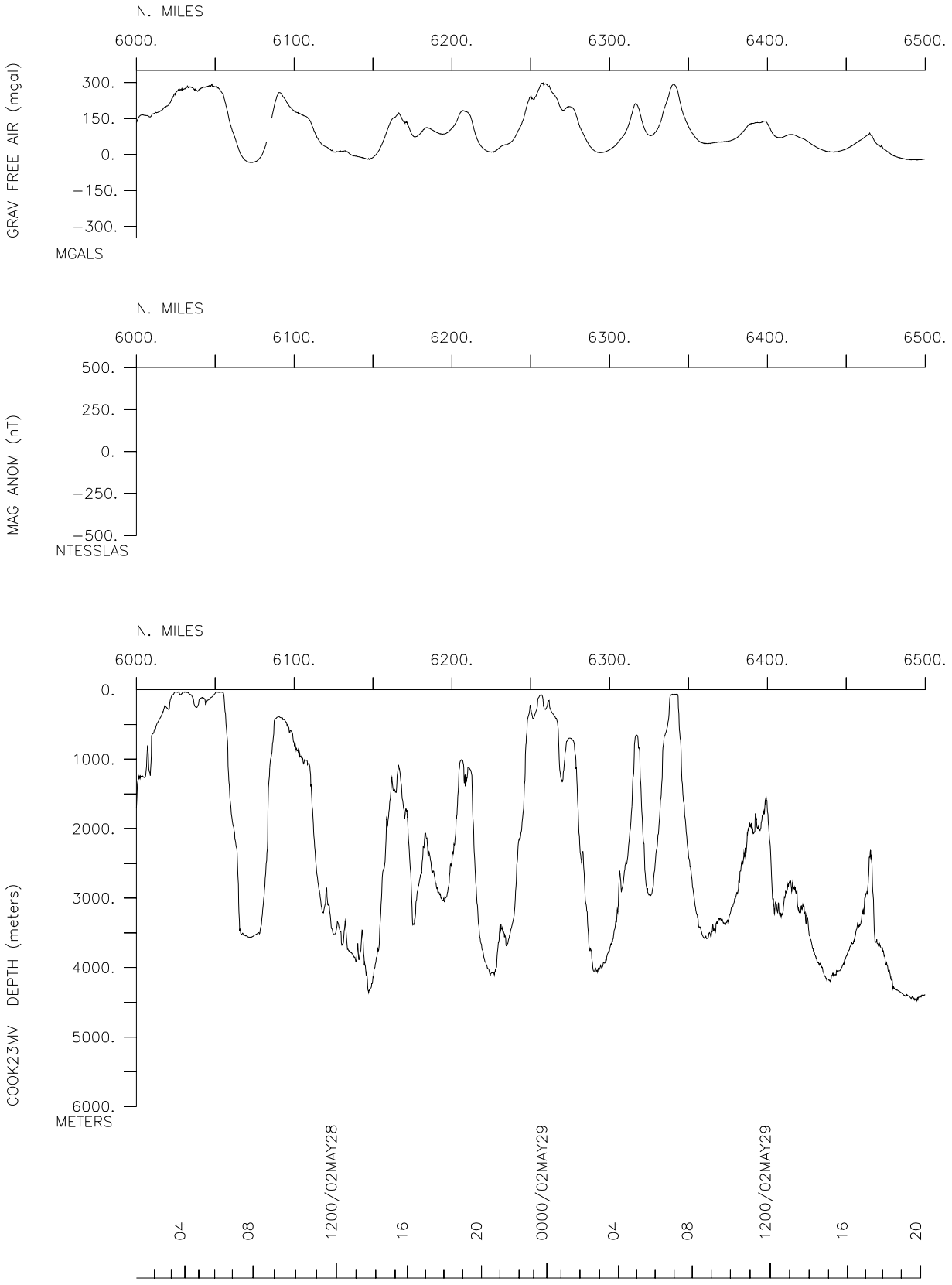
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GRAV FREE AIR (mgal)
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−300.
MGALS
N. MILES
6000.
6100.
6200.
6300.
6400.
6500.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
6000.
6100.
6200.
6300.
6400.
6500.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
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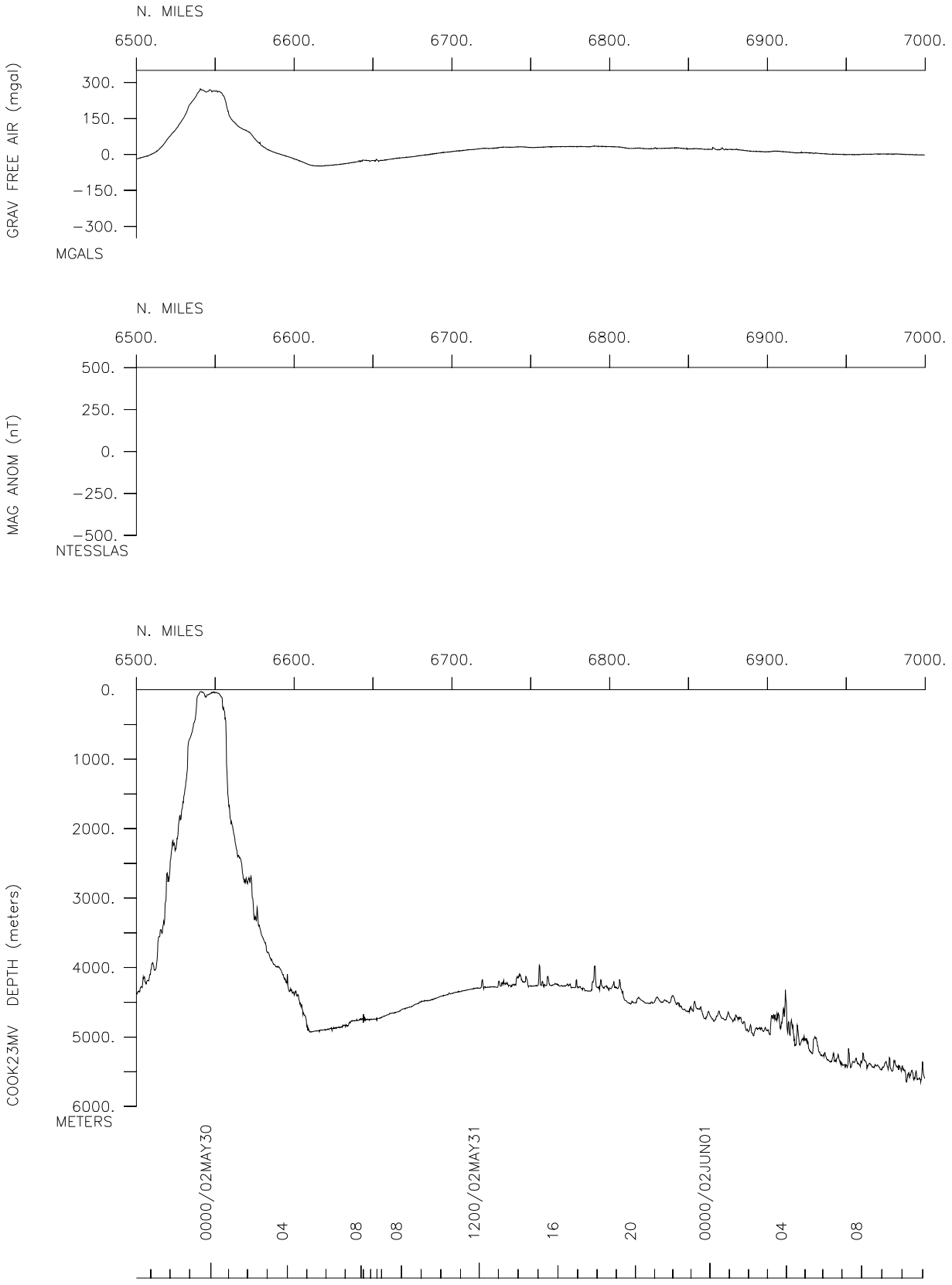
N. MILES
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6600.
6700.
6800.
6900.
7000.
GRAV FREE AIR (mgal)
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−150.
−300.
MGALS
N. MILES
6500.
6600.
6700.
6800.
6900.
7000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
6500.
6600.
6700.
6800.
6900.
7000.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
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08
08
1200/02MAY31
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20
0000/02JUN01
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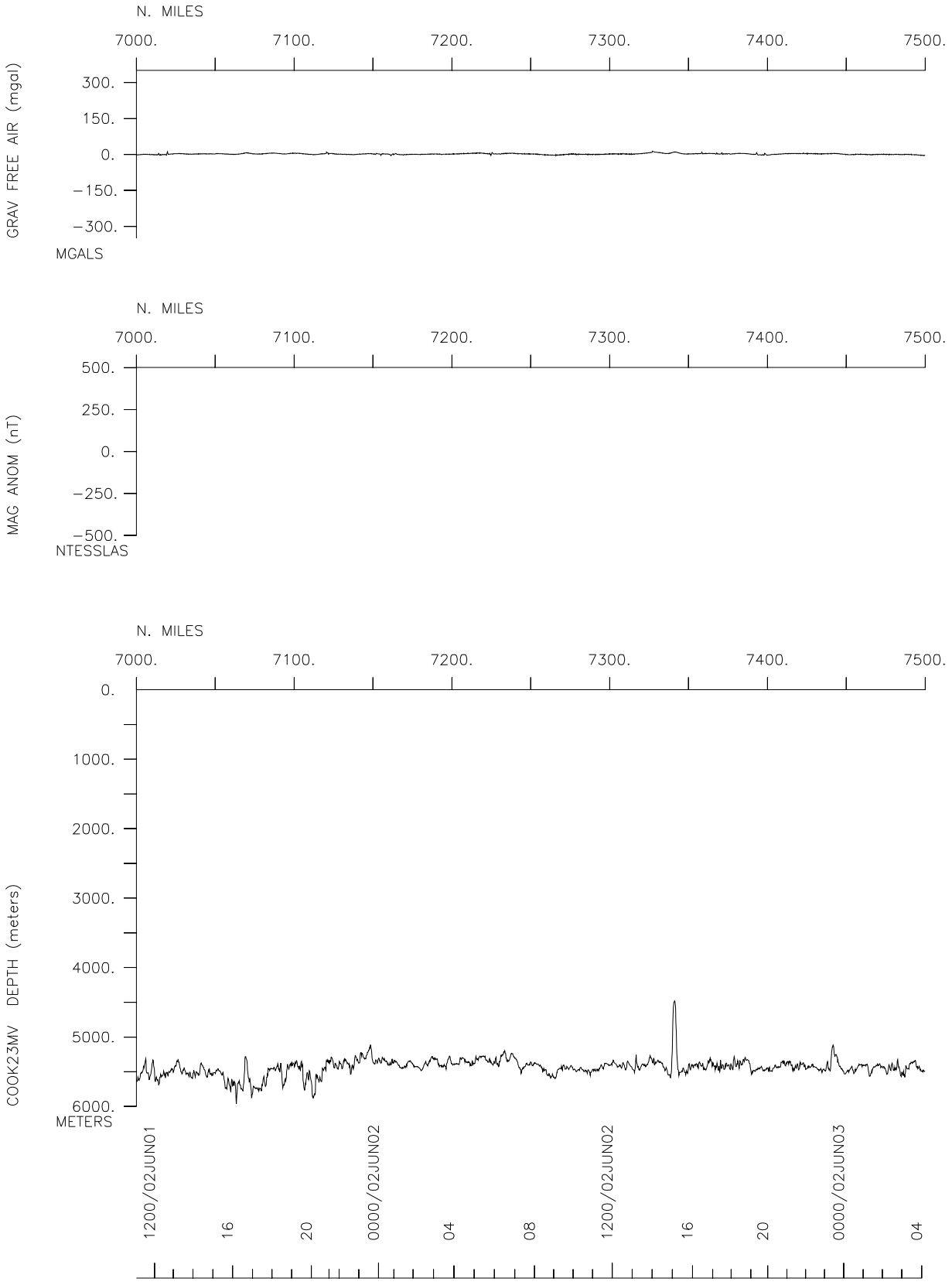
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7200.
7300.
7400.
7500.
GRAV FREE AIR (mgal)
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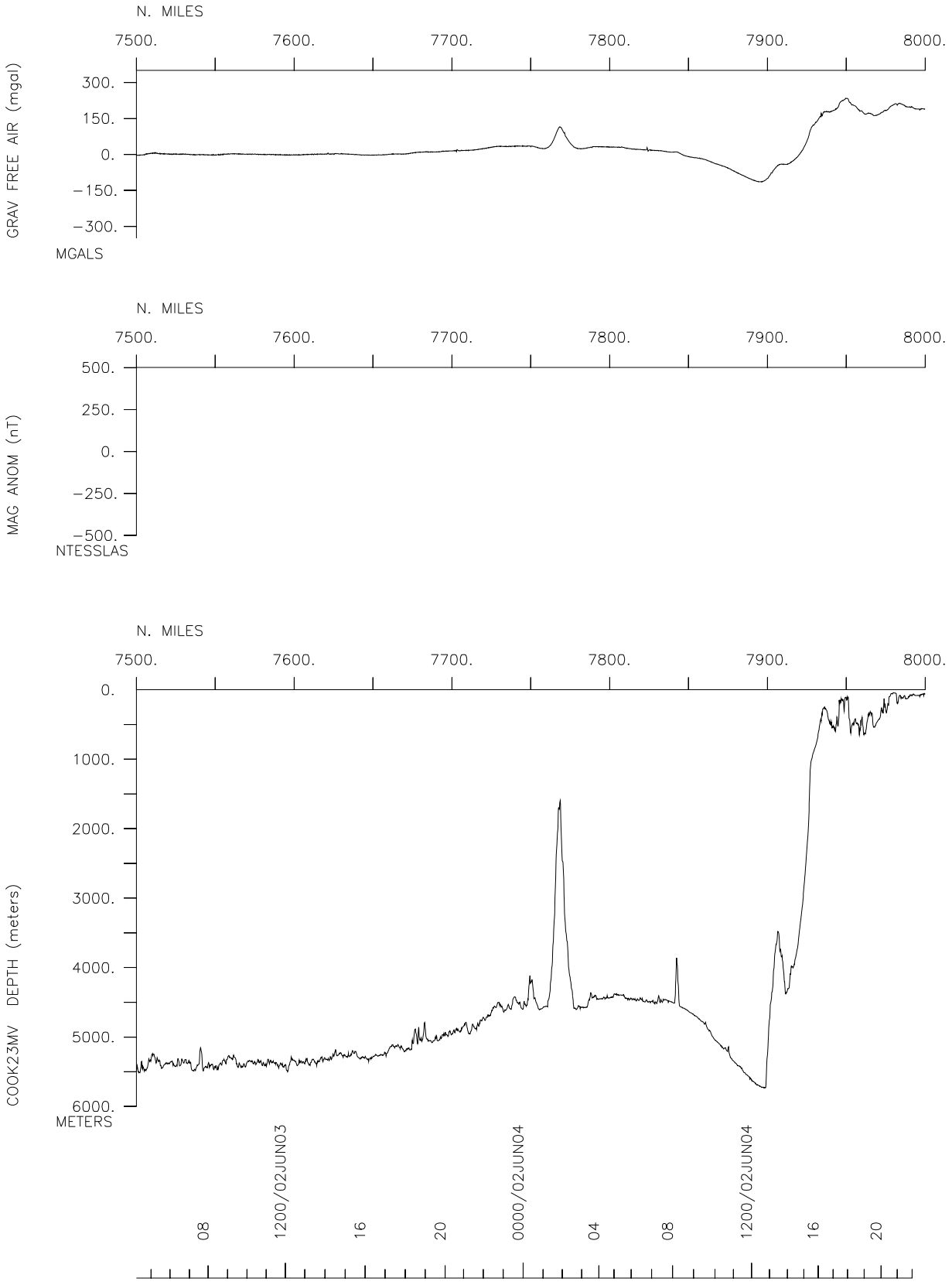
150.
0.
−150.
−300.
MGALS
N. MILES
7000.
7100.
7200.
7300.
7400.
7500.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
7000.
7100.
7200.
7300.
7400.
7500.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/02JUN01
16
20
0000/02JUN02
04
08
1200/02JUN02
16
20
0000/02JUN03
04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7700.
7800.
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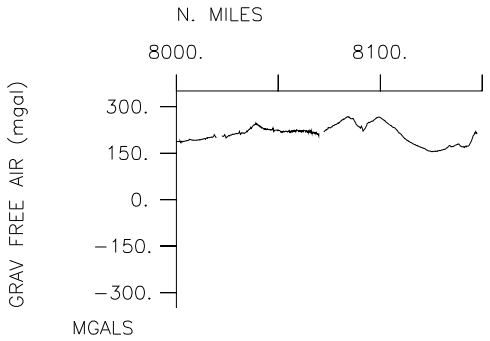
150.
0.
−150.
−300.
MGALS
N. MILES
7500.
7600.
7700.
7800.
7900.
8000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
7500.
7600.
7700.
7800.
7900.
8000.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
08
1200/02JUN03
16
20
0000/02JUN04
04
08
1200/02JUN04
16
20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8100.
GRAV FREE AIR (mgal)
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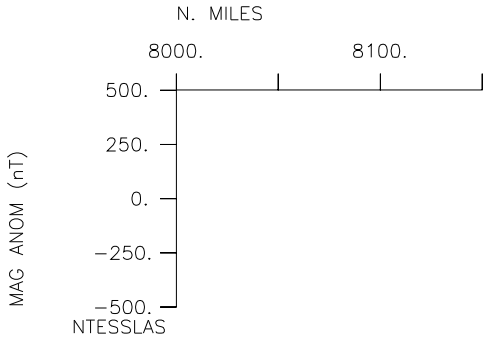
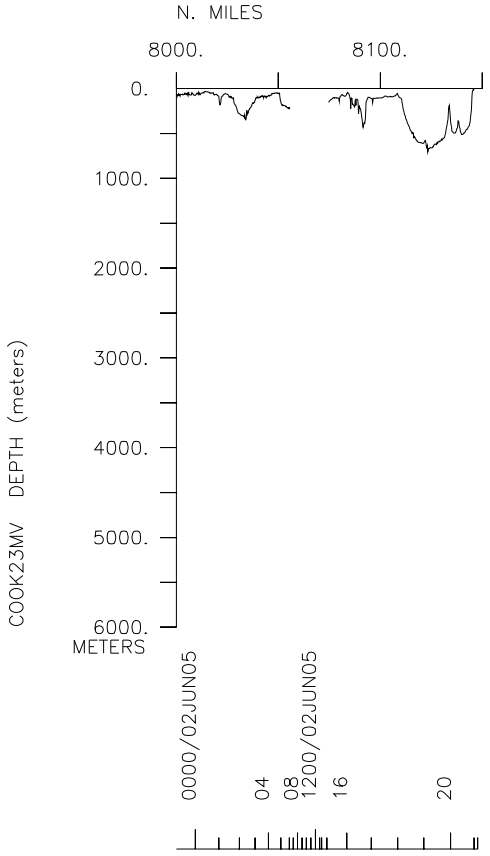

N. MILES
8000.
8100.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS


N. MILES
8000.
8100.
COOK23MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
0000/02JUN05
04
08
1200/02JUN05
16
20

S.I.O. Sample Index

COOK Expedition

Leg 23

(**COOK23MV**)

R/V Melville

(Issued July 2002)

PORTS:

Osaka, Japan (1 May 2002)
to
Honolulu, Hawaii (5 June 2002)

Chief Scientist : Chris Measures
University of Hawaii

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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 ***

```
0455 010502  0 LGPT B Osaka, Japan              34-39.11N 135-25.60E g COOK23MV
2200 050602  0 LGPT E Honolulu, Hawaii          21-18.96N 157-53.18W g COOK23MV
```

#*** Personnel ***

#		********NAME********	******TITLE******	*****AFFILIATION****	**CRID**
PECS	UHI	Measures,C.	Chief scientist	Univ. of Hawaii	COOK23MV
PEST	UHI	Brown,M.	Grad student	Univ. of Hawaii	COOK23MV
PEST	SIX	Buck,C.	Grad student	Florida State Univ.	COOK23MV
PEST	SIX	Carrasco,G.	Grad student	Old Dominion Univ.	COOK23MV
PEST	UCSC	Conaway,C.	Grad student	U.C. Santa Cruz	COOK23MV
PESP	SIX	Cutter,G.	Scientist	Old Dominion Univ.	COOK23MV
PESP	SIX	Cutter,L.	Scientist	Old Dominion Univ.	COOK23MV
PEST	SIX	Davis,J.	Grad student	Old Dominion Univ.	COOK23MV
PESP	SIX	Donat,J.	Scientist	Old Dominion Univ.	COOK23MV
PEST	SIX	Filippino,K	Grad student	Old Dominion Univ.	COOK23MV
PECT	STS	Jacobson,D.	Computer tech	Scripps Institution	COOK23MV
PESP	SIX	Kidd,R.	Technician	Old Dominion Univ.	COOK23MV
PEST	SIX	Kim,Y.	Grad student	Korea University	COOK23MV
PESP	SIX	Landing,W.	Scientist	Florida State Univ.	COOK23MV
PESP	SIX	Laurier,F.	Scientist	Univ. of Maryland	COOK23MV
PESP	SIX	Lee,K.	Scientist	Seoul National Univ.	COOK23MV
PESP	SIX	Mason,R.	Scientist	Univ. of Maryland	COOK23MV
PEST	UHI	Morse,K.	Student	Univ. of Hawaii	COOK23MV
PEST	SIX	Morton,P.	Grad student	Old Dominion Univ.	COOK23MV
PERT	STS	Pillard,G.	resident tech	Scripps Institution	COOK23MV
PEST	SIX	Polson,S.	Grad student	Clemson University	COOK23MV
PESP	SIX	Powell,R.	Scientist	Lumcon	COOK23MV
PEST	UCSC	Rainville,M.	Grad student	U.C. Santa Cruz	COOK23MV
PEST	SIX	Sonke,J.	Grad student	Florida State Univ.	COOK23MV
PEST	UHI	Sato,T.	Grad student	Univ. of Hawaii	COOK23MV
PESP	UHI	Selph,K.	Scientist	Univ. of Hawaii	COOK23MV
PEST	UHI	Shacat,J.	Grad student	Univ. of Hawaii	COOK23MV
PEST	JPN	Ui,T.	Grad student	Univ. of Tokyo	COOK23MV
PESP	UHI	Vetter,O.	Technician	Univ. of Hawaii	COOK23MV
PESP	UHI	Vink,S.	Scientist	Univ. of Hawaii	COOK23MV
PEST	SIX	Whalin,L.	Grad student	Univ. of Maryland	COOK23MV
PEST	UHI	White,S.	Student	Univ. of Hawaii	COOK23MV
PEST	SIX	Young,M.	Student	Florida State Univ.	COOK23MV
PESP	SIX	Yaun,J.	Scientist	U.of S.Mississippi	COOK23MV
PEST	SWZ	Zimmerman,B.	Grad student	ETH,Zurich,Switz.	COOK23MV

#*** 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 (vertical beam and side scan) ***

0543 010502  0 MBSR B v.beam & sidescan    STS  34-39.11N 135-25.60E g COOK23MV
2101 050602  0 MBSR E v.beam & sidescan    STS  21-17.89N 157-52.19W g COOK23MV


#*** Digital Gravity ***

0455 010502  0 GVDD B Digital Gravity      GDC  34-39.11N 135-25.60E g COOK23MV
2209 050602  0 GVDD E Digital Gravity      GDC  21-18.96N 157-53.18W g COOK23MV


#*** Integrated Meteorological Acquisition System ***

0900 010502  0 IMET B Weather Measurements GDC  34-26.24N 135-06.58E g COOK23MV
2200 050602  0 IMET E Weather Measurements GDC  21-18.96N 157-53.18W g COOK23MV


#*** Acoustic Doppler Current Profiler ***

0900 010502  0 ADCP B 300khz Current Meas. GDC  34-26.24N 135-06.58E g COOK23MV
2200 050602  0 ADCP E 300khz Current Meas. GDC  21-18.96N 157-53.18W g COOK23MV


#*** Conductivity, Temperature, Depth ***

0142 020502  0 TDCT B Commence  cast 24btl UHI  31-54.23N 137-04.93E g COOK23MV
0410 020502  0 TDCT E TSONI   PG           UHI  31-54.23N 137-04.93E g COOK23MV

0509 020502  0 TDCT B CTD #01        24btl UHI  31-54.23N 137-04.93E g COOK23MV
0708 020502  0 TDCT E TSONI   PG     2000m UHI  31-54.23N 137-04.93E g COOK23MV

1135 020502  0 TDCT B CTD #03        24btl UHI  31-54.23N 137-04.93E g COOK23MV
1156 020502  0 TDCT E TSONI   PG           UHI  31-54.23N 137-04.93E g COOK23MV

1806 050502  0 TDCT B CTD 1-#01      24btl UHI  34-28.02N 146-59.12E g COOK23MV
1932 050502  0 TDCT E TSONI   PG     1500m UHI  34-27.32N 147-01.36E g COOK23MV

2336 050502  0 TDCT B CTD 1-#03      24btl UHI  34-26.29N 147-04.51E g COOK23MV
0003 060502  0 TDCT E TSONI   PG      200m UHI  34-25.77N 147-05.18E g COOK23MV

0224 060502  0 TDCT B CTD 1-#04      24btl UHI  34-25.89N 147-05.57E g COOK23MV
0305 060502  0 TDCT E TSONI   PG      200m UHI  34-24.83N 147-06.46E g COOK23MV

0610 060502  0 TDCT B CTD 1-#6       24btl UHI  34-23.78N 147-09.07E g COOK23MV
0627 060502  0 TDCT E TSONI   PG       60m UHI  34-23.56N 147-09.42E g COOK23MV

0752 060502  0 TDCT B CTD 1-#7       24btl UHI  34-22.97N 147-11.49E g COOK23MV
0816 060502  0 TDCT E TSONI   PG      100m UHI  34-22.71N 147-11.94E g COOK23MV

1002 110502  0 TDCT B CTD 2-#1       24btl UHI  44-00.27N 154-59.55E g COOK23MV
1154 110502  0 TDCT X                      UHI  44-00.15N 154-59.80E g COOK23MV

2212 100502  0 TDCT B CTD 2-#1       24btl UHI  42-36.45N 152-37.64E g COOK23MV
1347 110502  0 TDCT E TSONI   PG           UHI  44-00.01N 154-59.98E g COOK23MV
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2007	110502	0	TDCT	B	CTD 2-#3		24btl	UHI	44-00.15N	154-59.90E	g	COOK23MV
2358	110502	0	TDCT	E	TSONI	PG	5098m	UHI	44-00.14N	154-59.88E	g	COOK23MV
0126	120502	0	TDCT	B	CTD 2-#4		24btl	UHI	44-00.05N	154-59.93E	g	COOK23MV
0255	120502	0	TDCT	E	TSONI	PG	1500m	UHI	44-00.05N	154-59.93E	g	COOK23MV
0904	120502	0	TDCT	B	CTD 2-#6		24btl	UHI	44-00.00N	154-59.95E	g	COOK23MV
0942	120502	0	TDCT	E	TSONI	PG	200m	UHI	44-00.00N	154-59.95E	g	COOK23MV
1046	120502	0	TDCT	B	CTD 2-#7		24btl	UHI	44-00.00N	154-59.95E	g	COOK23MV
1117	120502	0	TDCT	E	TSONI	PG	200m	UHI	44-00.00N	154-59.94E	g	COOK23MV
1216	120502	0	TDCT	B	CTD 2-#8		24btl	UHI	44-00.00N	154-59.94E	g	COOK23MV
1240	120502	0	TDCT	E	TSONI	PG	100m	UHI	44-00.00N	154-59.95E	g	COOK23MV
1343	120502	0	TDCT	B	CTD 2-#9		24btl	UHI	44-00.00N	154-59.94E	g	COOK23MV
1416	120502	0	TDCT	E	TSONI	PG	140m	UHI	44-00.00N	154-59.94E	g	COOK23MV
1952	140502	0	TDCT	B	CTD 3-#1		24btl	UHI	49-59.99N	166-59.96E	g	COOK23MV
2135	140502	0	TDCT	E	TSONI	PG	1500m	UHI	50-00.00N	167-00.00E	g	COOK23MV
0022	150502	0	TDCT	B	CTD 3-#3		24btl	UHI	50-00.00N	167-00.00E	g	COOK23MV
0045	150502	0	TDCT	E	TSONI	PG	101m	UHI	50-00.00N	167-00.00E	g	COOK23MV
0149	150502	0	TDCT	B	CTD 3-#4		24btl	UHI	50-00.00N	167-00.00E	g	COOK23MV
0217	150502	0	TDCT	E	TSONI	PG	150m	UHI	50-00.00N	167-00.00E	g	COOK23MV
0327	150502	0	TDCT	B	CTD 3-#5		24btl	UHI	50-00.00N	167-00.00E	g	COOK23MV
0406	150502	0	TDCT	E	TSONI	PG	200m	UHI	50-00.00N	167-00.00E	g	COOK23MV
0646	150502	0	TDCT	B	CTD 3-#7		24btl	UHI	50-00.00N	167-00.00E	g	COOK23MV
0714	150502	0	TDCT	E	TSONI	PG	150m	UHI	50-00.00N	167-00.00E	g	COOK23MV
2251	170502	0	TDCT	B	CTD 4-#1		24btl	UHI	39-21.48N	170-34.47E	g	COOK23MV
0023	180502	0	TDCT	E	TSONI	PG	1500m	UHI	39-21.49N	170-34.47E	g	COOK23MV
0404	170502	0	TDCT	B	CTD 4-#3		24btl	UHI	43-13.28N	170-34.60E	g	COOK23MV
1428	170502	0	TDCT	E	TSONI	PG	200m	UHI	41-00.14N	170-35.32E	g	COOK23MV
0532	180502	0	TDCT	B	CTD 4-#4		24btl	UHI	39-19.18N	170-33.45E	g	COOK23MV
0552	180502	0	TDCT	E	TSONI	PG	100m	UHI	39-19.18N	170-33.45E	g	COOK23MV
0653	180502	0	TDCT	B	CTD 4-#5		24btl	UHI	39-19.18N	170-33.45E	g	COOK23MV
0720	180502	0	TDCT	E	TSONI	PG	120m	UHI	39-19.18N	170-33.45E	g	COOK23MV
0914	180502	0	TDCT	B	CTD 4-#7		24btl	UHI	39-19.18N	170-33.45E	g	COOK23MV
0954	180502	0	TDCT	E	TSONI	PG	200m	UHI	39-19.18N	170-33.45E	g	COOK23MV
1440	190502	0	TDCT	B	CTD 5-#1		24btl	UHI	33-45.88N	170-35.05E	g	COOK23MV
1615	190502	0	TDCT	E	TSONI	PG	1500m	UHI	33-45.87N	170-35.05E	g	COOK23MV
1428	200502	0	TDCT	B	CTD 6-#1		24btl	UHI	30-29.97N	170-34.55E	g	COOK23MV
1556	200502	0	TDCT	E	TSONI	PG	1500m	UHI	30-30.00N	170-34.60E	g	COOK23MV
1812	200502	0	TDCT	B	CTD 6-#3		24btl	UHI	30-30.00N	170-34.60E	g	COOK23MV
1837	200502	0	TDCT	E	Cast #3		200m	UHI	30-30.00N	170-34.60E	g	COOK23MV
1932	200502	0	TDCT	B	CTD 6-#4		24btl	UHI	30-30.00N	170-34.60E	g	COOK23MV
1952	200502	0	TDCT	E	on deck		100m	UHI	30-30.00N	170-34.60E	g	COOK23MV
2056	200502	0	TDCT	B	CTD 6-#5		24btl	UHI	30-30.01N	170-34.59E	g	COOK23MV
2134	200502	0	TDCT	E	TSONI	PG	120m	UHI	30-30.01N	170-34.59E	g	COOK23MV

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2332 200502  0 TDCT B CTD 6-#7       24btl UHI  30-30.08N 170-34.54E g COOK23MV
0012 210502  0 TDCT E TSONI   PG      200m UHI  30-30.08N 170-34.54E g COOK23MV

0806 220502  0 TDCT B CTD 7-#1       24btl UHI  24-15.19N 170-19.65E g COOK23MV
1236 220502  0 TDCT E TSONI   PG     5630m UHI  24-15.00N 170-19.80E g COOK23MV

1754 220502  0 TDCT B CTD Cast 7-#3  24btl UHI  24-15.00N 170-19.80E g COOK23MV
1904 220502  0 TDCT E TSONI   PG     1200m UHI  24-15.00N 170-19.80E g COOK23MV

2006 220502  0 TDCT B CTD Cast 7-#4  24btl UHI  24-15.00N 170-19.80E g COOK23MV
2032 220502  0 TDCT E TSONI   PG      200m UHI  24-15.00N 170-19.80E g COOK23MV

2136 220502  0 TDCT B CTD 7-#5       24btl UHI  24-15.00N 170-19.80E g COOK23MV
2218 220502  0 TDCT E TSONI   PG      200m UHI  24-15.00N 170-19.80E g COOK23MV

2320 220502  0 TDCT B CTD 7-#6       24btl UHI  24-15.00N 170-19.80E g COOK23MV
2343 220502  0 TDCT E TSONI   PG      200m UHI  24-15.00N 170-19.80E g COOK23MV

0634 230502  0 TDCT B CTD 7-#8       24btl UHI  24-15.00N 170-19.80E g COOK23MV
0703 230502  0 TDCT E TSONI   PG      140m UHI  24-15.00N 170-19.80E g COOK23MV

1001 260502  0 TDCT B CTD 8-#1       24btl UHI  26-00.01N 175-00.00W g COOK23MV
1151 260502  0 TDCT E TSONI   PG     1500m UHI  26-00.01N 175-00.01W g COOK23MV

1808 260502  0 TDCT B CTD 8-#5       24btl UHI  26-00.00N 175-00.00W g COOK23MV
1946 260502  0 TDCT E TSONI   PG      140m UHI  26-00.00N 175-00.00W g COOK23MV

1303 300502  0 TDCT B CTD 9-#2       24btl UHI  22-45.00N 158-00.01W g COOK23MV
1623 300502  0 TDCT E TSONI   PG     4591m UHI  22-44.98N 158-00.01W g COOK23MV

1734 300502  0 TDCT B CTD 9-#3       24btl UHI  22-45.00N 158-00.01W g COOK23MV
1837 300502  0 TDCT E TSONI   PG     1200m UHI  22-44.99N 158-00.00W g COOK23MV

1944 300502  0 TDCT B CTD 9-#4       24btl UHI  22-45.00N 158-00.00W g COOK23MV
2014 300502  0 TDCT E TSONI   PG      200m UHI  22-45.00N 158-00.00W g COOK23MV

2109 300502  0 TDCT B CTD 9-#5       24btl UHI  22-44.99N 158-00.00W g COOK23MV
0054 310502  0 TDCT E TSONI   PG      300m UHI  22-45.00N 158-00.00W g COOK23MV

0146 310502  0 TDCT B CTD 9-#7       24btl UHI  22-45.00N 158-00.00W g COOK23MV
0206 310502  0 TDCT E TSONI   PG      100m UHI  22-45.00N 158-00.00W g COOK23MV

0315 310502  0 TDCT B CTD 9-#8       24btl UHI  22-45.00N 158-00.01W g COOK23MV
0342 310502  0 TDCT E TSONI   PG      140m UHI  22-45.00N 158-00.00W g COOK23MV


#*** Atmospheric Samples ***
#*** Samples to Florida State University ***

0900 010502  0 ASXX B Atomspheric samples  SIX  34-26.24N 135-06.58E g COOK23MV
2000 030602  0 ASXX E Cl NO3 SO4           SIX  24-14.32N 153-47.57W g COOK23MV


#*** Continuous Surface Water Sample ***

0900 010502  0 CSXX B water samples        UHI  34-26.24N 135-06.58E g COOK23MV
2230 030602  0 CSXX E water samples        UHI  23-48.76N 154-05.74W g COOK23MV


#*** Geochemical Smaples ***

1224 020502  0 GCXX B iron fish deployed   UHI  31-54.19N 137-06.16E g COOK23MV
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1748 050502  0 GCXX E  S NI    G           UHI  34-28.01N 146-59.05E g COOK23MV

0248 080502  0 GCXX B Iron fish deployed   UHI  34-42.06N 139-47.26E g COOK23MV
0912 110502  0 GCXX E  S NI    G           UHI  43-59.72N 154-59.52E g COOK23MV

1642 120502  0 GCXX B Iron fish deployed   UHI  44-00.07N 155-00.10E g COOK23MV
1942 140502  0 GCXX E  S NI    G           UHI  49-59.96N 166-59.89E g COOK23MV

0727 150502  0 GCXX B Iron Fish deployed   UHI  50-00.17N 167-00.14E g COOK23MV
2220 170502  0 GCXX E  S NI    G           UHI  39-21.80N 170-34.60E g COOK23MV

1010 180502  0 GCXX B Iron Fish deployed   UHI  39-18.88N 170-33.53E g COOK23MV
1425 190502  0 GCXX E  S NI    G           UHI  33-45.81N 170-35.05E g COOK23MV

2305 190502  0 GCXX B Iron Fish deployed   UHI  33-45.13N 170-35.02E g COOK23MV
1413 200502  0 GCXX E  S NI    G           UHI  30-29.96N 170-34.57E g COOK23MV

0026 210502  0 GCXX B Iron Fish            UHI  30-29.58N 170-34.49E g COOK23MV
0752 220502  0 GCXX E  S NI    G           UHI  24-15.22N 170-19.74E g COOK23MV

0916 230502  0 GCXX B Iron Fish            UHI  24-14.95N 170-19.84E g COOK23MV
0343 240502  0 GCXX E                      UHI  25-04.78N 174-15.28E g COOK23MV

0403 240502  0 GCXX B Iron Fish deployed   UHI  25-05.60N 174-19.64E g COOK23MV
2120 260502  0 GCXX E  S NI    G           UHI  25-58.85N 174-41.68W g COOK23MV

2001 270502  0 GCXX B Iron Fish deployed   UHI  25-11.90N 169-44.79W g COOK23MV
0754 300502  0 GCXX E  S NI    G           UHI  22-44.36N 158-02.01W g COOK23MV

0646 310502  0 GCXX B Iron Fish            UHI  22-45.02N 157-59.88W g COOK23MV
2103 010602  0 GCXX E  S NI    G           UHI  26-17.06N 150-38.12W g COOK23MV

2127 010602  0 GCXX B Iron Fish deployed   UHI  26-17.06N 150-37.82W g COOK23MV
2037 030602  0 GCXX E  S NI    G           UHI  24-08.03N 153-52.05W g COOK23MV


#*** Hydrographic Casts ***

0728 020502  0 HCGF B GOFLO cast #02 12btl UHI  31-54.23N 137-04.93E g COOK23MV
1123 020502  0 HCGF E  S NIC               UHI  31-54.23N 137-04.93E g COOK23MV

2012 050502  0 HCGF B GOFLO 1-#02    12btl UHI  34-28.06N 146-59.70E g COOK23MV
2316 050502  0 HCGF E  S NIC               UHI  34-26.30N 147-04.50E g COOK23MV

0353 060502  0 HCGF B GOFLO 1-#5     12btl UHI  34-24.27N 147-06.39E g COOK23MV
0553 060502  0 HCGF E  S NIC               UHI  34-23.87N 147-08.62E g COOK23MV

1412 110502  0 HCGF B GOFLO 2-#2     12btl UHI  44-00.22N 154-59.86E g COOK23MV
1952 110502  0 HCGF E  S NIC         5000m UHI  44-00.22N 154-59.87E g COOK23MV

0435 120502  0 HCGF B GOFLO 2-#5     24btl UHI  44-00.00N 154-59.94E g COOK23MV
0854 120502  0 HCGF E  S NIC         2000m UHI  44-00.00N 154-59.95E g COOK23MV

1427 120502  0 HCGF B GOFLO 2-#10    12btl UHI  44-00.00N 154-59.95E g COOK23MV
1624 120502  0 HCGF E  S NIC          300m UHI  44-00.01N 154-59.94E g COOK23MV

2147 140502  0 HCGF B GOFLO 3-#2     12btl UHI  50-00.00N 167-00.00E g COOK23MV
0011 150502  0 HCGF E  S NIC         1500m UHI  50-00.00N 167-00.00E g COOK23MV

0415 150502  0 HCGF B GO-FLO 3-#6    12btl UHI  50-00.00N 167-00.00E g COOK23MV
0543 150502  0 HCGF E GO-FLO 3-#6    12btl UHI  50-00.00N 167-00.00E g COOK23MV

0050 180502  0 HCGF B GO-FLO 4-#2    12btl UHI  39-21.49N 170-34.47E g COOK23MV
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0314 180502  0 HCGF E  S NIC         1505m UHI  39-21.48N 170-34.48E g COOK23MV

0732 180502  0 HCGF B GO-FLO 4-#6    12btl UHI  39-19.18N 170-33.45E g COOK23MV
0902 180502  0 HCGF E  S NIC          285m UHI  39-19.18N 170-33.45E g COOK23MV

1624 190502  0 HCGF B GO-FLO 5-#2    12btl UHI  33-45.87N 170-35.05E g COOK23MV
1820 190502  0 HCGF E  S NIC         1505m UHI  33-45.35N 170-35.46E g COOK23MV

2118 190502  0 HCGF B GO-FLO 5-#3    12btl UHI  33-45.91N 170-34.50E g COOK23MV
2255 190502  0 HCGF E  S NIC          255m UHI  33-45.37N 170-35.09E g COOK23MV

1605 200502  0 HCGF B GO-FLO 6-#2    12btl UHI  30-30.00N 170-34.60E g COOK23MV
1805 200502  0 HCGF E  S NIC         1705m UHI  30-30.00N 170-34.60E g COOK23MV

0000 200502  0 HCGF B GO-FLO 6-#6    12btl UHI  33-33.78N 170-34.60E g COOK23MV
2310 200502  0 HCGF E  S NIC          255m UHI  30-30.08N 170-34.54E g COOK23MV

1254 220502  0 HCGF B GO-FLO 7-#2    12btl UHI  24-15.00N 170-19.80E g COOK23MV
1728 220502  0 HCGF E  S NIC         5405m UHI  24-15.00N 170-19.80E g COOK23MV

0110 230502  0 HCGF B GOFLO 7-#7     12btl UHI  24-15.00N 170-19.80E g COOK23MV
0409 230502  0 HCGF E  S NIC         2005m UHI  24-14.83N 170-19.85E g COOK23MV

0719 230502  0 HCGF B GO-FOL 7-#9    12btl UHI  24-14.99N 170-19.81E g COOK23MV
0905 230502  0 HCGF E                 305m UHI  24-14.93N 170-19.63E g COOK23MV

1157 260502  0 HCGF B GOFLO 8-#2           UHI  26-00.01N 175-00.01W g COOK23MV
1400 260502  0 HCGF E  S NIC         1505m UHI  26-00.01N 175-00.01W g COOK23MV

1646 260502  0 HCGF B GOFLO 8-#3           UHI  26-00.00N 175-00.00W g COOK23MV
1739 260502  0 HCGF E  S NIC          173m UHI  26-00.00N 175-00.00W g COOK23MV

1758 260502  0 HCGF B GOFLO 8-#4           UHI  26-00.00N 175-00.00W g COOK23MV
1818 260502  0 HCGF E  S NIC          305m UHI  26-00.00N 175-00.00W g COOK23MV

0827 300502  0 HCGF B GOFLO 9-#1     12btl UHI  22-45.00N 158-00.00W g COOK23MV
1236 300502  0 HCGF E  S NIC         4505m UHI  22-45.00N 158-00.01W g COOK23MV

2306 300502  0 HCGF B GOFLO 9-#6     12btl UHI  22-45.00N 158-00.00W g COOK23MV
0127 310502  0 HCGF E  S NIC         1755m UHI  22-45.00N 158-00.00W g COOK23MV

0502 310502  0 HCGF B GOFLO 9-#9           UHI  22-45.00N 158-00.00W g COOK23MV
0633 310502  0 HCGF E  S NIC          205m UHI  22-45.00N 158-00.00W g COOK23MV


#*** Expendable Bathythermographs ***

0553 100502  0 BTXP   MK21  # 15 Fast_Deep STS  40-38.69N 149-22.29E g COOK23MV
0620 100502  0 BTXP   MK21  # 16 Fast_Deep STS  40-41.71N 149-27.22E g COOK23MV
0524 130502  0 BTXP   MK21  # 21 Fast_Deep STS  45-26.05N 157-44.94E g COOK23MV
0740 150502  0 BTXP   MK21  # 27 Fast_Deep STS  50-00.18N 167-02.93E g COOK23MV
0706 160502  0 BTXP   MK21  # 28 Fast_Deep STS  47-32.36N 170-34.60E g COOK23MV
2329 160502  0 BTXP   MK21  # 29 Fast_Deep STS  44-12.22N 170-34.60E g COOK23MV
2114 170502  0 BTXP   MK21  # 30 Fast_Deep STS  39-35.67N 170-34.60E g COOK23MV
2127 180502  0 BTXP   MK21  # 31 Fast_Deep STS  37-01.36N 170-34.60E g COOK23MV
0557 200502  0 BTXP   MK21  # 32 Fast_Deep STS  32-15.53N 170-34.60E g COOK23MV
0529 210502  0 BTXP   MK21  # 33 Fast_Deep STS  29-29.67N 170-32.16E g COOK23MV
0507 220502  0 BTXP   MK21  # 34 Fast_Deep STS  24-46.53N 170-21.01E g COOK23MV
0450 240502  0 BTXP   MK21  # 35 Fast_Deep STS  25-07.76N 174-30.53E g COOK23MV
0445 250502  0 BTXP   MK21  # 36 Fast_Deep STS  26-14.62N 179-51.43E g COOK23MV
0655 260502  0 BTXP   MK21  # 37 Fast_Deep STS  26-19.46N 175-31.99W g COOK23MV
2017 270502  0 BTXP   MK21  # 38 Fast_Deep STS  25-12.00N 169-41.00W g COOK23MV
2017 280502  0 BTXP   MK21  # 39 Fast_Deep STS  23-53.42N 165-05.96W g COOK23MV
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1919 290502  0 BTXP   MK21  # 40 Fast_Deep STS  22-24.84N 160-38.38W g COOK23MV
0244 010602  0 BTXP   MK21  # 41 Fast_Deep STS  24-32.70N 154-16.76W g COOK23MV
2020 010602  0 BTXP   MK21  # 42 Fast_Deep STS  26-14.44N 150-42.96W g COOK23MV
2222 020602  0 BTXP   MK21  # 43 Fast_Deep STS  27-58.28N 151-05.56W g COOK23MV
2014 030602  0 BTXP   MK21  # 44 Fast_Deep STS  24-11.80N 153-49.36W g COOK23MV

#***                  End Sample Index                                COOK23MV
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