Report and Index of

Underway Marine Geophysical Data

Cook Expedition

Leg 9

(COOK09MV)

R/V Melville

(Issued October 2001)

Ports:
Pusan, Korea (21 June 2001)
to
Naha, Okinawa (14 July 2001)

Chief Scientist:
Randy Watts,University of Rhode Island
rwatts@gso.uri.edu

Computer Tech - Ron Moe
Resident Marine Tech - Shad Biaz

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.

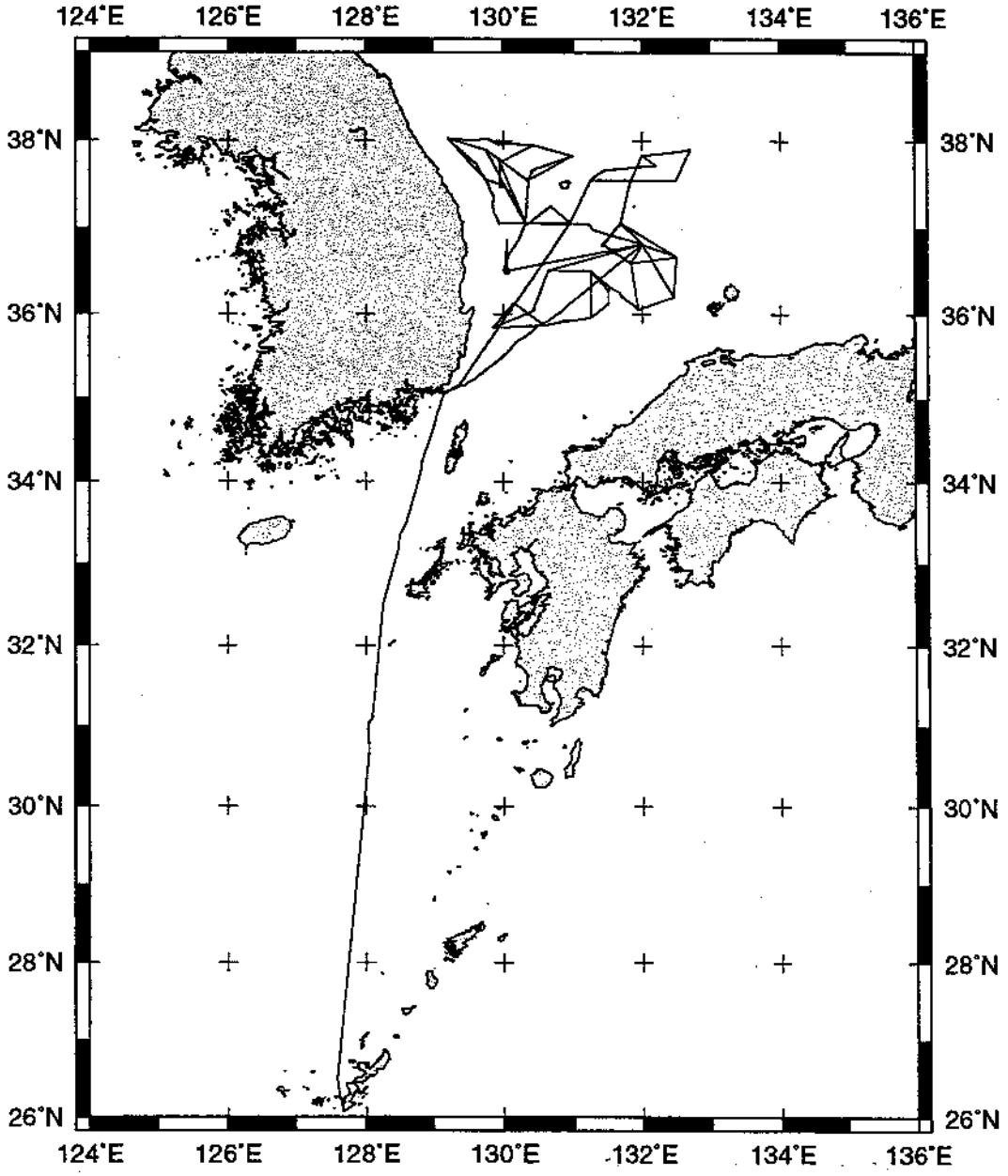
Track Charts– annotated with dates and hour ticks

Profiles – depth, magnetic and gravity free air anomaly vs. distance. (Sections of track with seismic reflection data have a wide black line along the 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 9 (COOK09MV)

CHIEF SCIENTIST: Randy Watts, University of Rhode Island

PORTS: Pusan, Korea - Naha, Okinawa

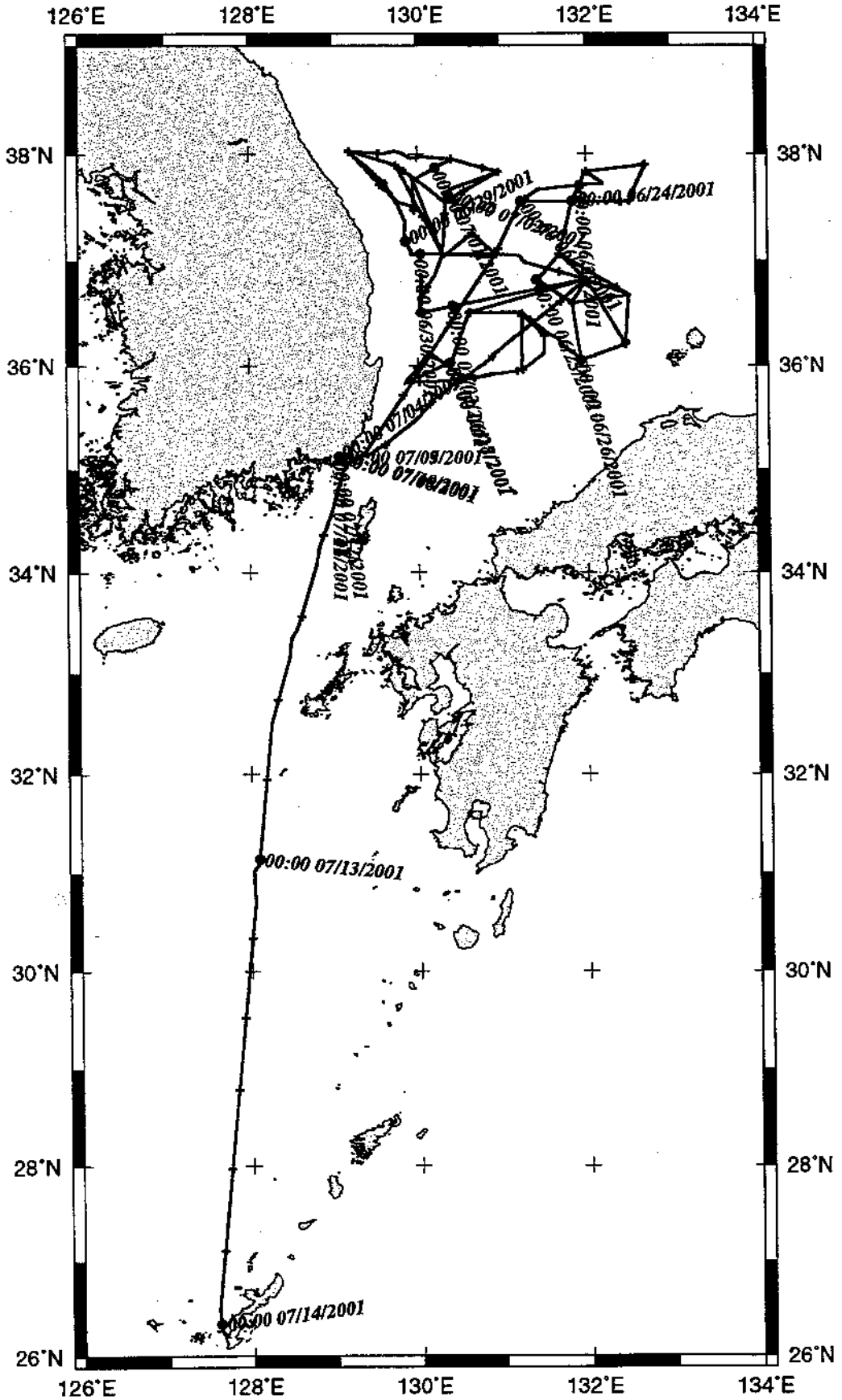
DATES: 21 June - 14 July 2001

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-3088 miles	**Magnetics-none collected**
Bathymetry-365 miles	**Seismic Reflection-none collected**
Sea Beam-365 miles	**Gravity-3088miles**

COOK-MV leg 9 Track



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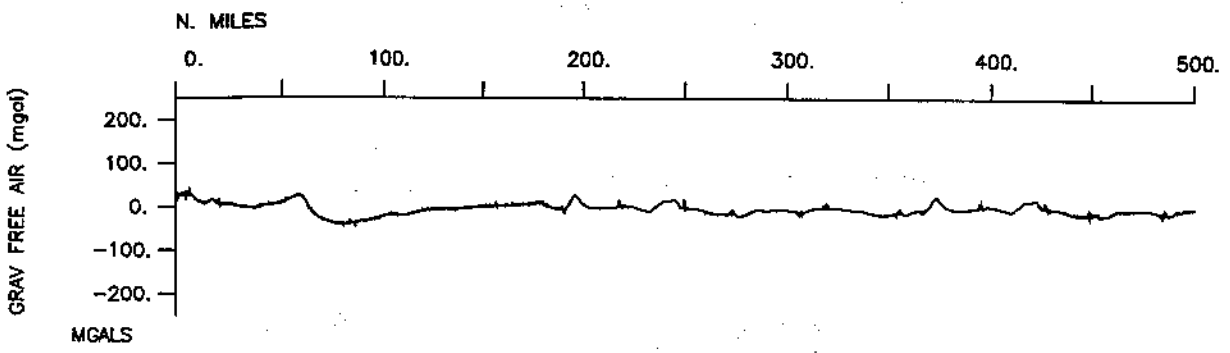
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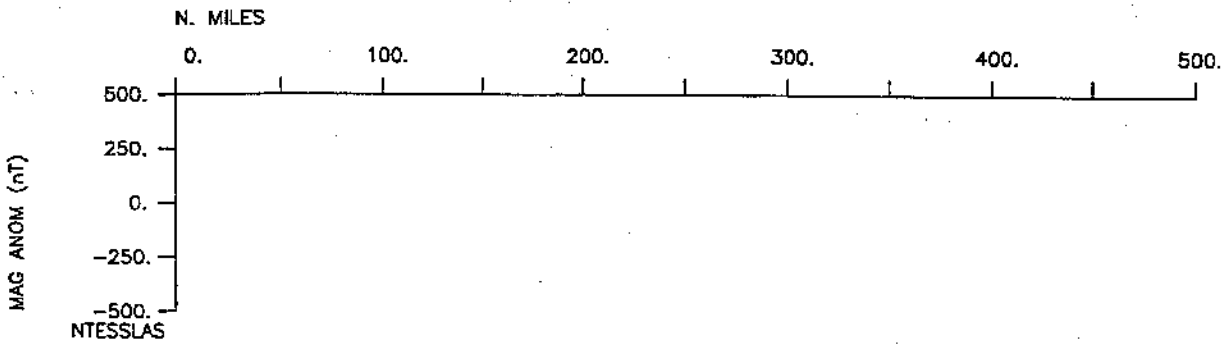
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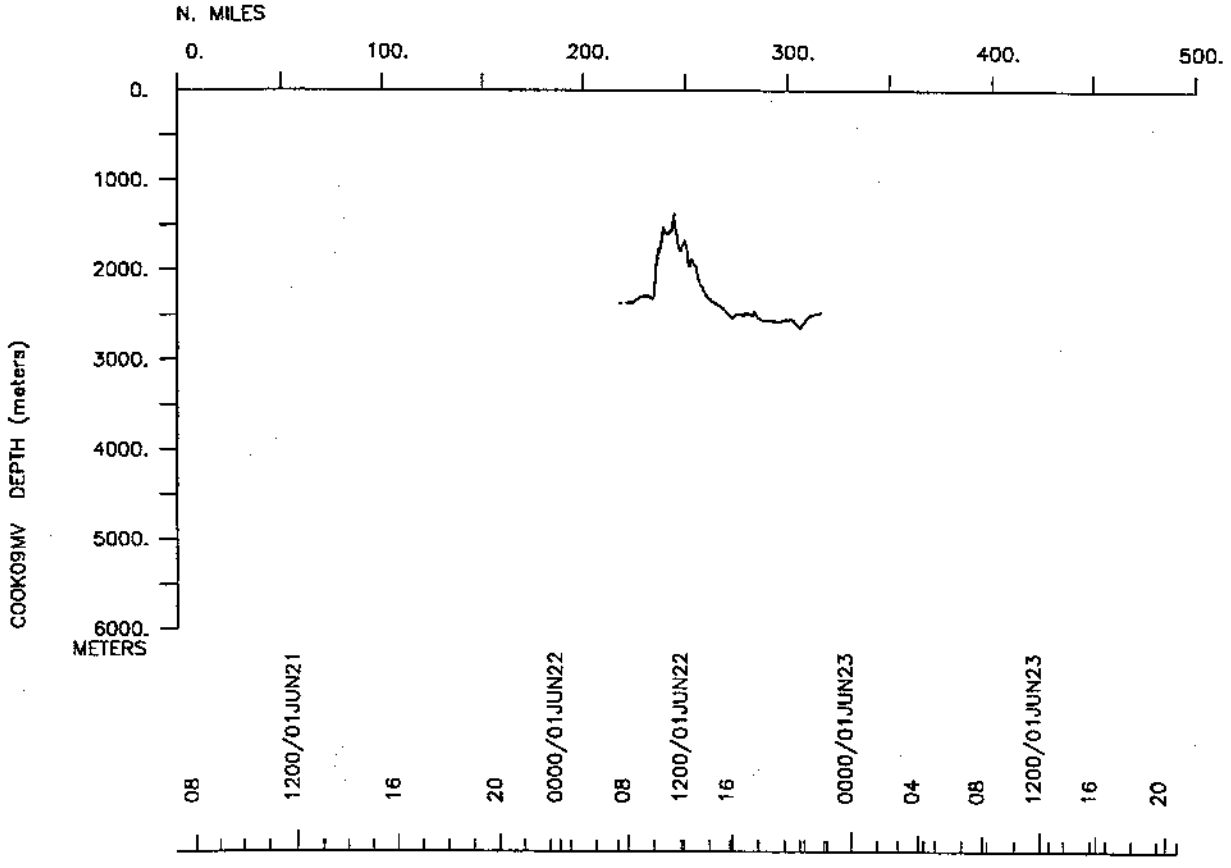
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4000.
5000.
6000.
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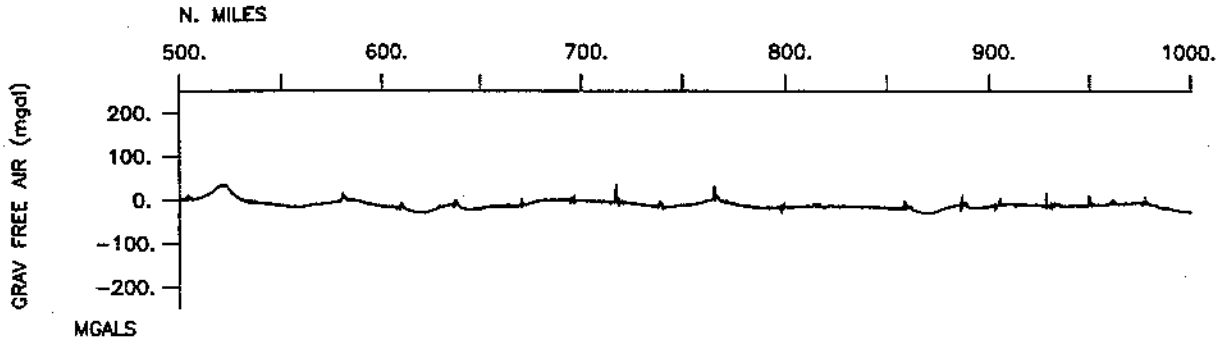
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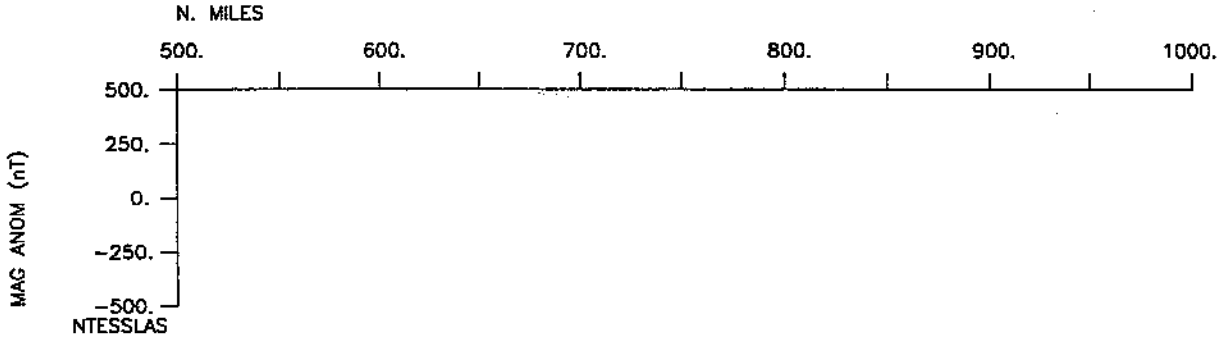
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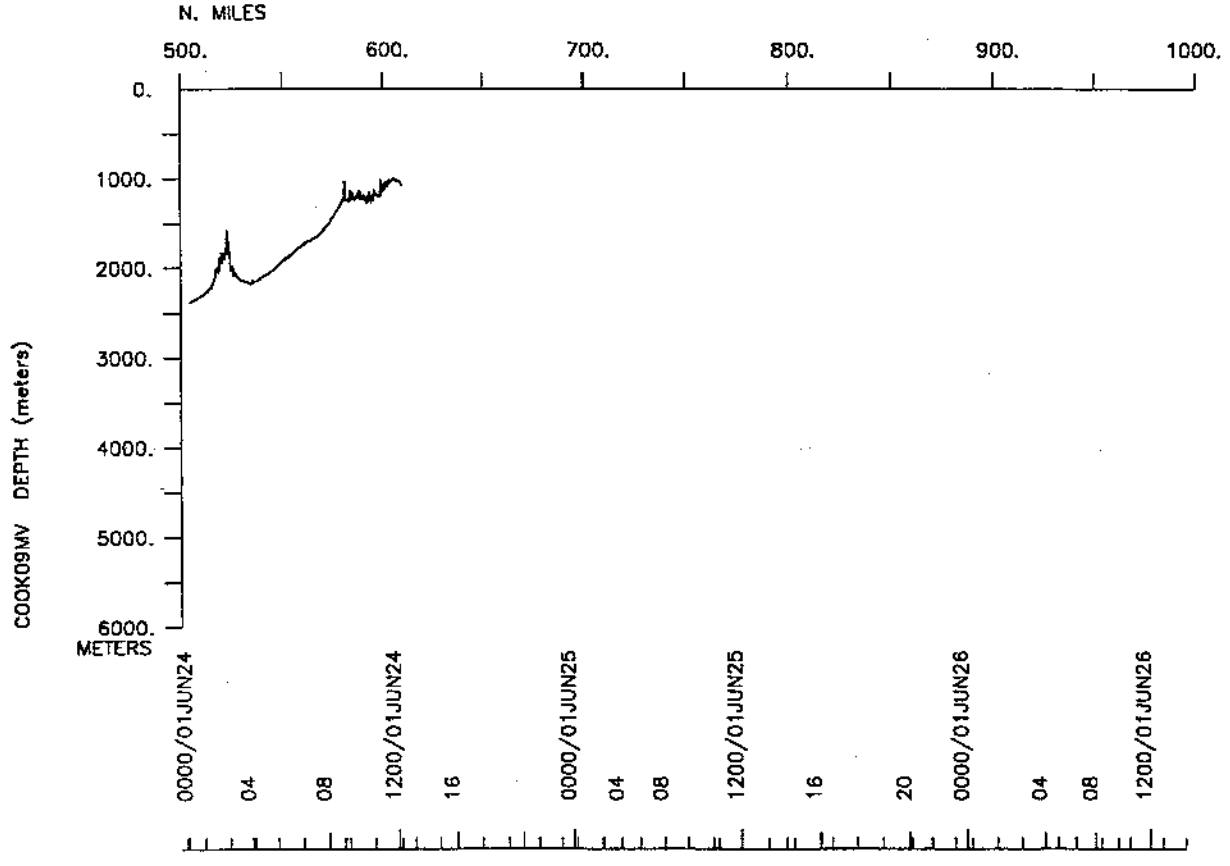
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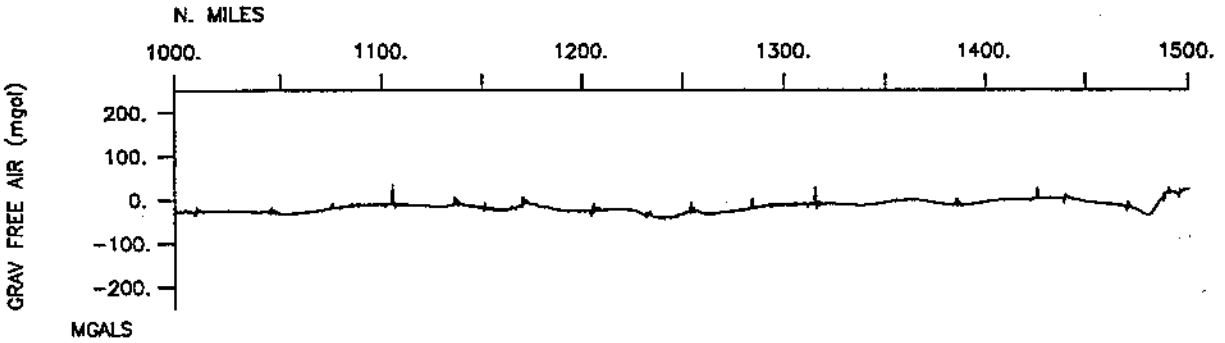
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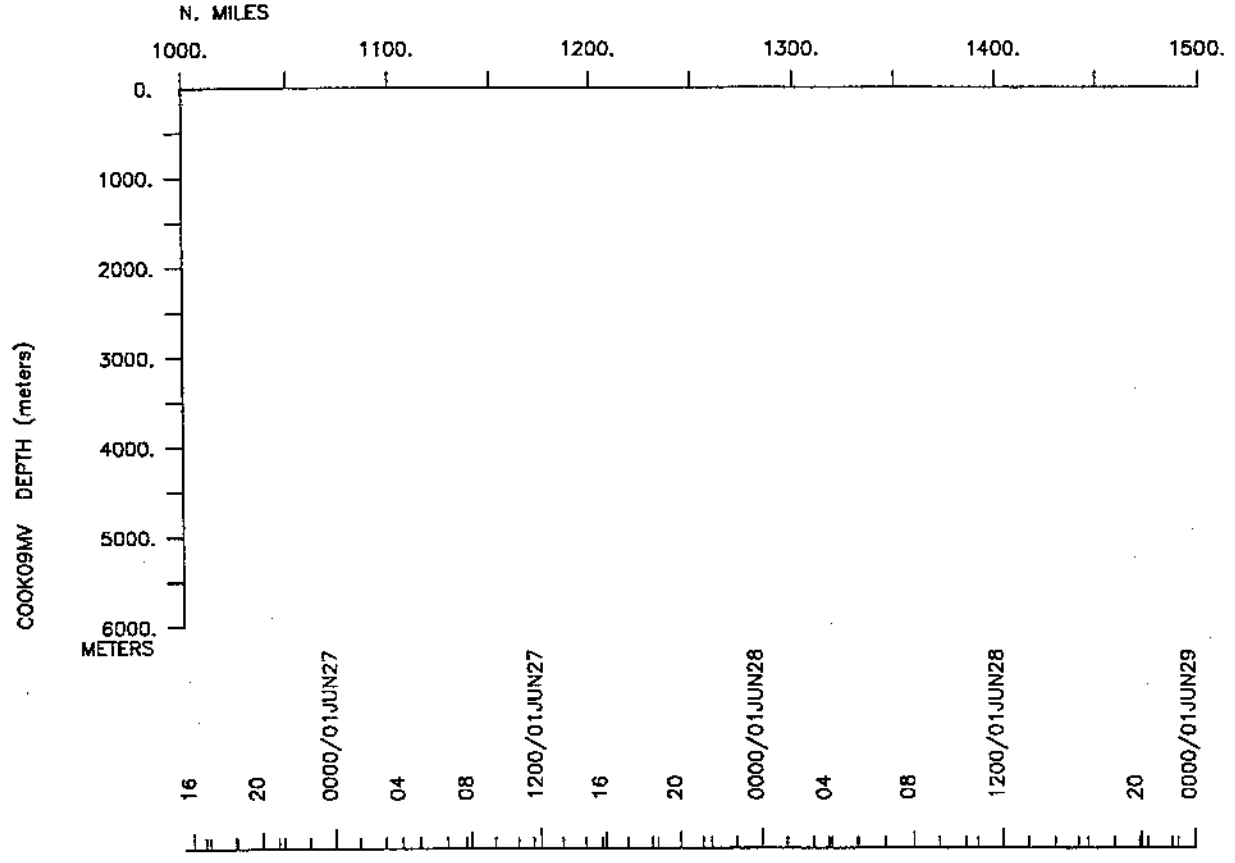
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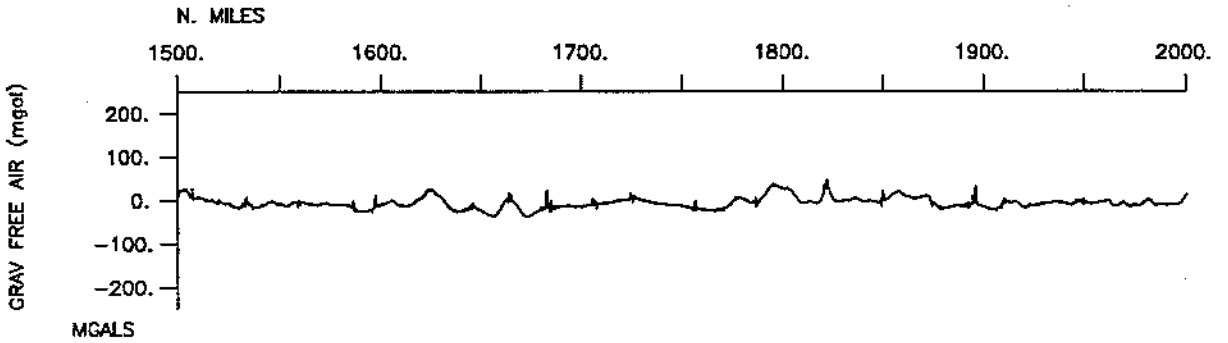
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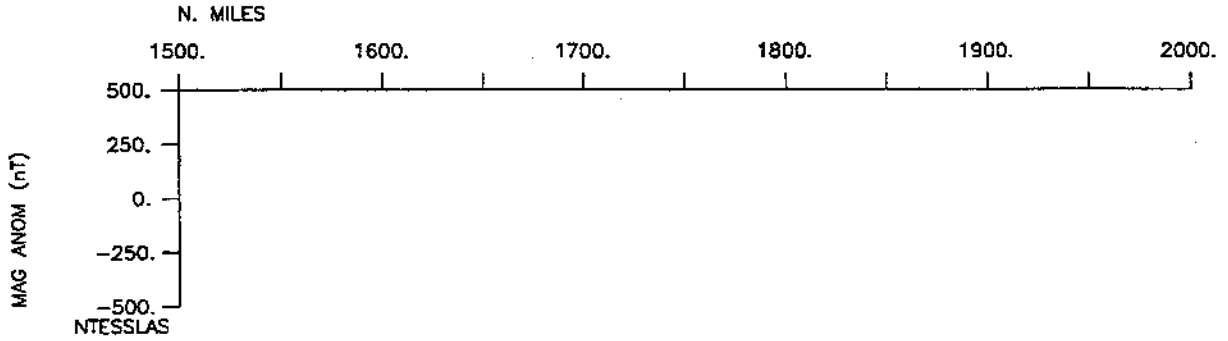
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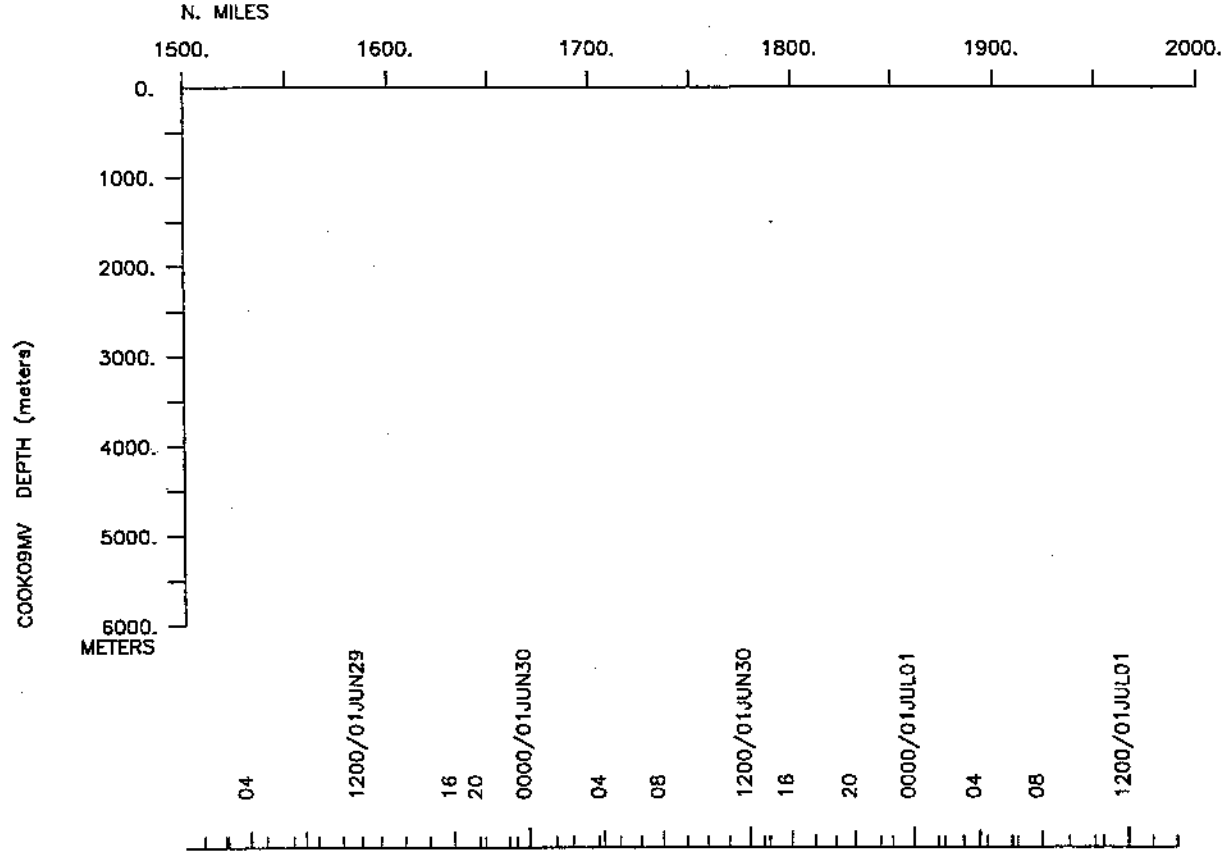
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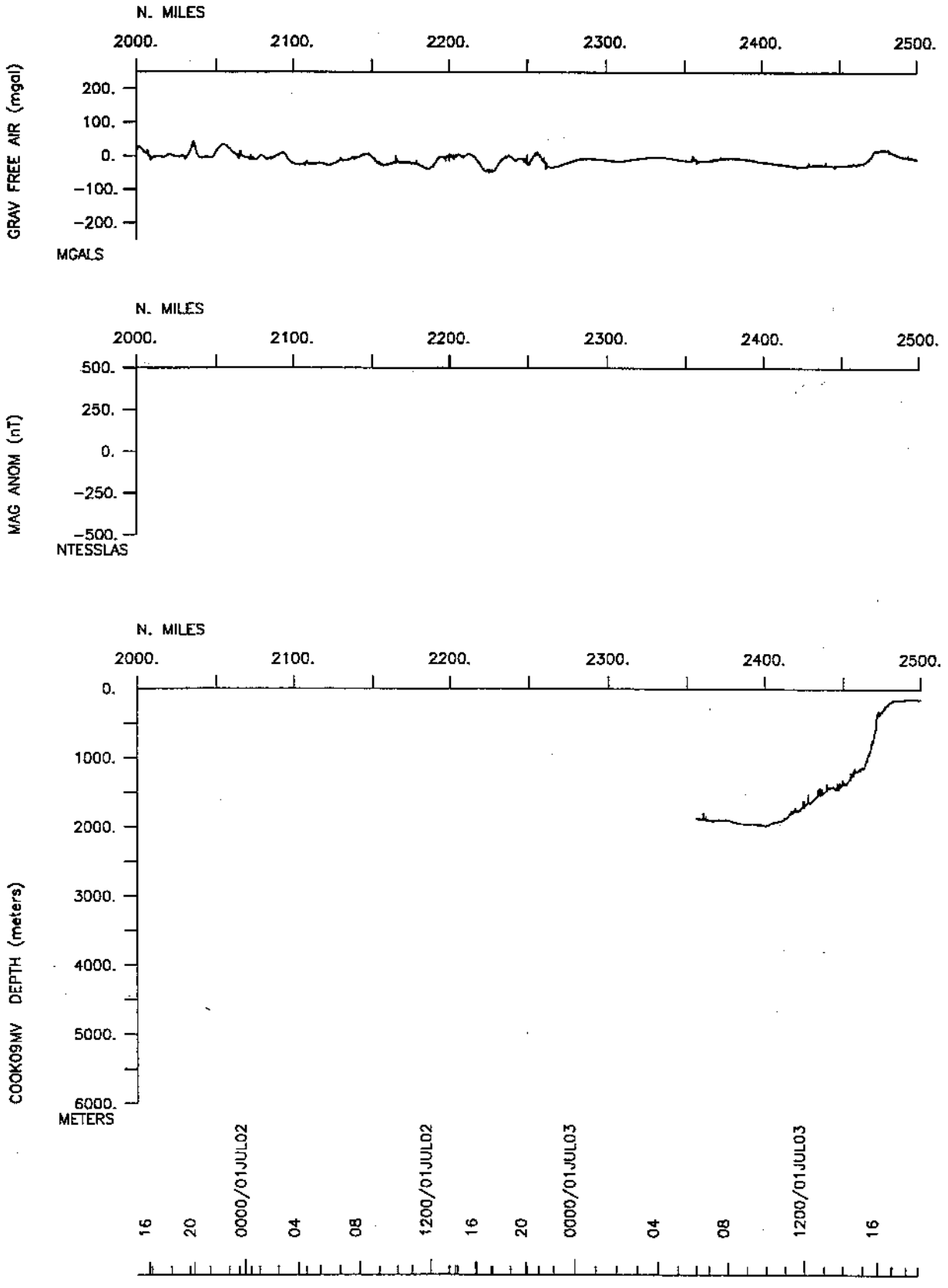
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2200.
2300.
2400.
2500.
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4000.
5000.
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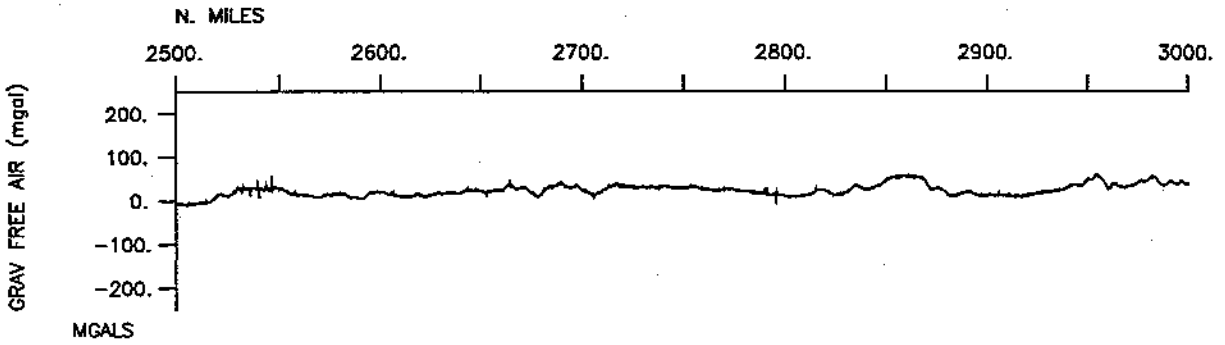
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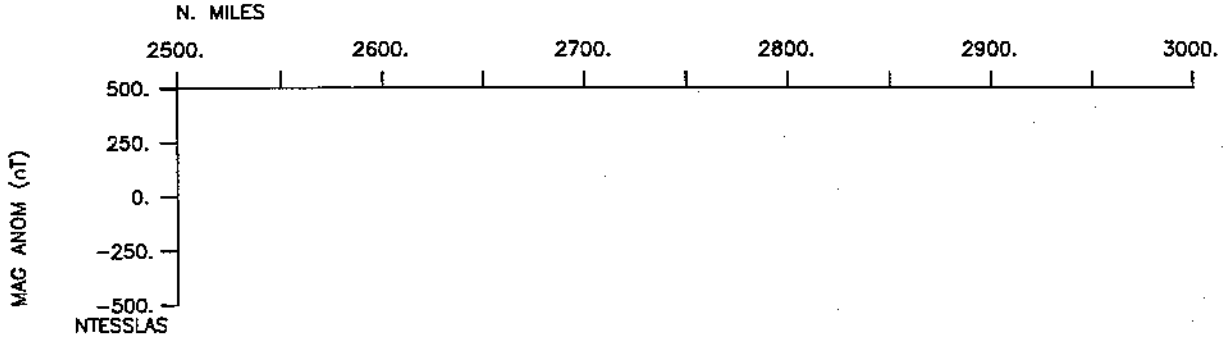
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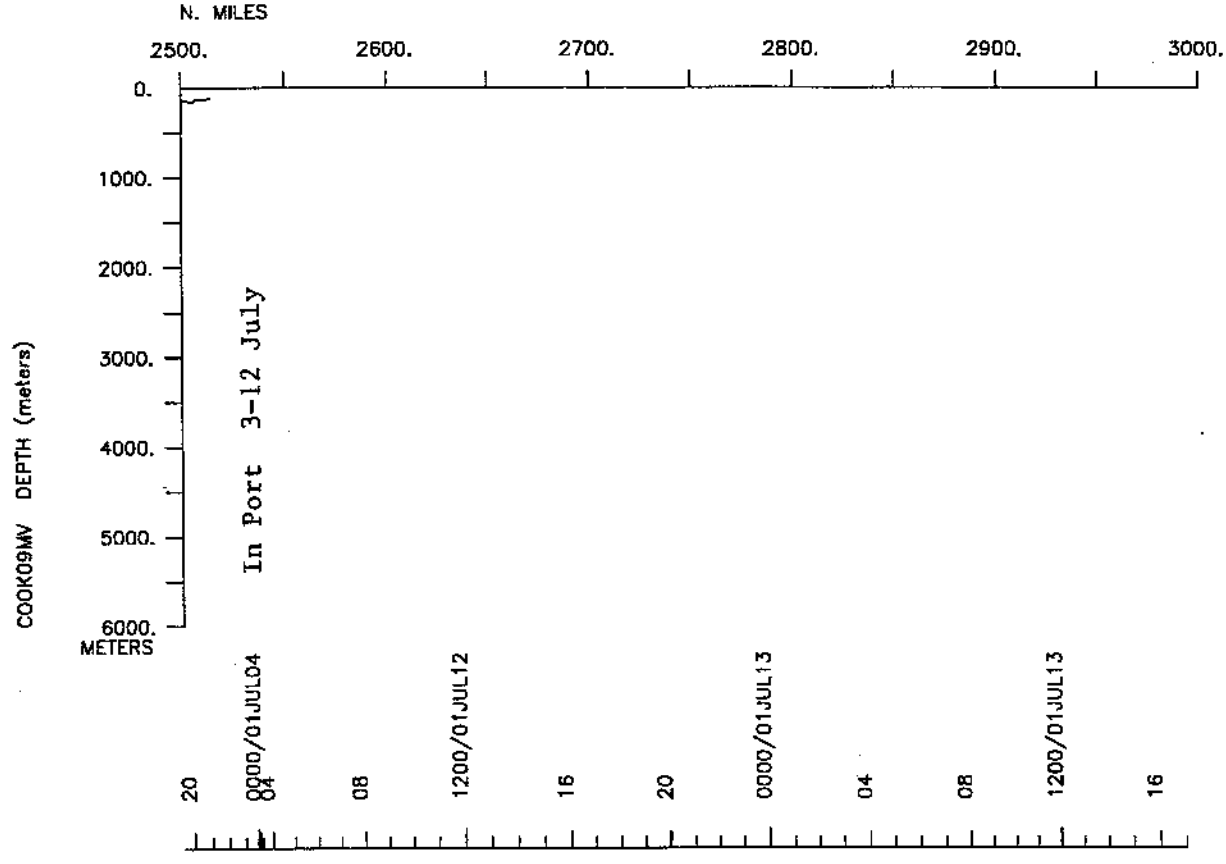
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3000.
4000.
5000.
6000.
METERS
In Port 3-12 July
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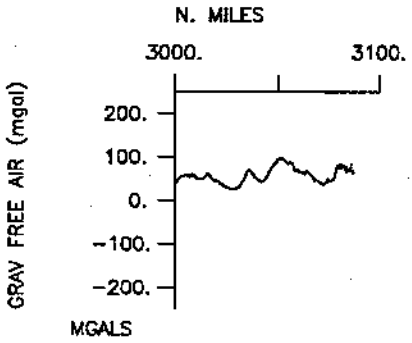
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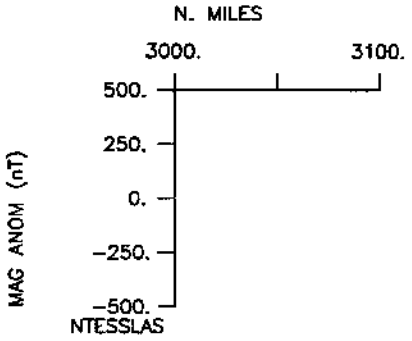
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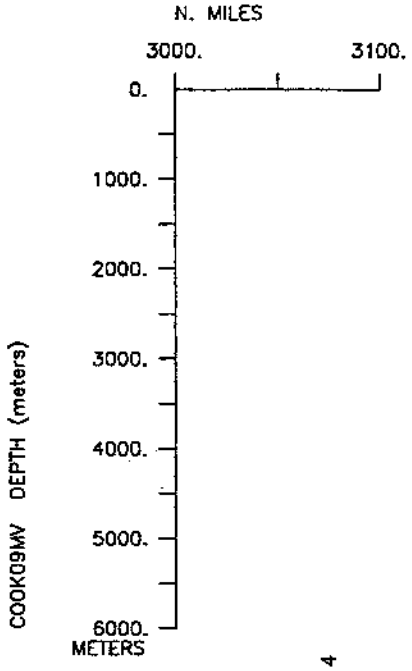
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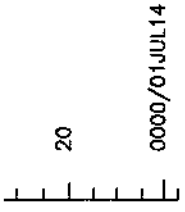
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S.I.O. Sample Index

COOK Expedition

Leg 9

(COOK09MV)

R/V Melville

(Issued October 2001)

PORTS:

Pusan, Korea (21 June 2001)
to
Naha, Okinawa (14 July 2001)

Chief Scientist - Randy Watts
University of Rhode Island

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 ***

0648 210601    LGPT B Pusan, Korea                35-06.00N 129-03.00E f COOK09MV
0006 040701    LGPT E Pusan, Korea                35-06.00N 129-03.00E f COOK09MV


#*** Personnel ***
#          ********NAME******** ******TITLE******  *****AFFILIATION**** **CRID**
#--- ---- -------------------- -----------------  -------------------- --------

PECS URI  Watts, Randolph      Chief Scientist    U.of Rhode Island    COOK09MV
PESP URI  Chaplin, Gerard      Engineer           U.of Rhode Island    COOK09MV
PESP URI  Mulroney, Michael    Technician         U.of Rhode Island    COOK09MV
PESP URI  Teague, William      Scisntist          U.of Rhode Island    COOK09MV
PESP URI  Tracey, Karen        Res. Specialist    U.of Rhode Island    COOK09MV
PESP URI  Book, Jeffrey        Scientist          U.of Rhode Island    COOK09MV
PESP URI  Mitchell, Douglas    Grad student       U.of Rhode Island    COOK09MV
PESP URI  Adams, Angela        Student asst.      U.of Rhode Island    COOK09MV
PESP SIX  Hwang, SangChul      Engineer           KORDI, Korea         COOK09MV
PESP JPN  Matsuno, Takeshi     Engineer           Japan                COOK09MV
PERT STS  Biaz, Shad           Resident Tech      Scripps Institution  COOK09MV
PECT SCG  Moe, Ron             Computer Tech      Scripps Institution  COOK09MV


#*** 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) ***

0310 220601  0 MBSR B v.beam&sidescan r-01 STS  37-33.19N 131-49.97E g COOK09MV
0000 230601  0 MBSR E v.beam&sidescan r-01 STS  37-42.20N 131-55.67E g COOK09MV

0000 240601  0 MBSR B v.beam&sidescan r-01 STS  37-33.29N 131-50.02E g COOK09MV
1200 240601  0 MBSR E v.beam&sidescan r-01 STS  36-13.72N 132-27.75E g COOK09MV

0700 030701  0 MBSR B v.beam&sidescan r-01 STS  36-44.34N 131-52.86E g COOK09MV
2100 040701  0 MBSR E v.beam&sidescan r-01 STS  35-07.29N 129-04.34E g COOK09MV

#*** Digital Gravity ***

0648 210601  0 GVDD B Digital Gravity      GDC  35-07.08N 129-04.20E g COOK09MV
0006 040701  0 GVDD E Digital Gravity      GDC  35-07.28N 129-04.32E g COOK09MV

#*** Integrated Meteorological Acquisition System ***

0648 210601  0 IMET B weather measurements GDC  35-07.08N 129-04.20E g COOK09MV
0006 040701  0 IMET E weather measurements GDC  35-07.28N 129-04.32E g COOK09MV

#*** Acoustic Doppler Current Profiler ***

0648 210601  0 ADCP B current measurements GDC  35-07.08N 129-04.20E g COOK09MV
0006 040701  0 ADCP E current measurements GDC  35-07.28N 129-04.32E g COOK09MV
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```
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#TIME DATE  TZ CODE E IDENTIFIER            CODE LATITUDE  LONGITUDE   c LEG-SHIP
#---------- -- ---------------------------- ---- --------- ----------- - --------

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1508 280601  0 TDCT B CTD #16         1973M URI  37-03.40N 130-56.44E g COOK09MV
1629 280601  0 TDCT E CTD #16                URI  37-03.40N 130-56.40E g COOK09MV

1912 280601  0 TDCT B CTD #17         1956M URI  37-03.37N 130-18.74E g COOK09MV
2037 280601  0 TDCT E CTD #17                URI  37-03.37N 130-18.73E g COOK09MV
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#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER		DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
2225 280601	0	TDCT	B	CTD #18	915M	URI	37-03.47N	129-56.40E	g	COOK09MV
2306 280601	0	TDCT	E	CTD #18		URI	37-03.40N	129-56.40E	g	COOK09MV
0202 290601	0	TDCT	B	CTD #19	930M	URI	37-33.19N	129-45.03E	g	COOK09MV
0245 290601	0	TDCT	E	CTD #19		URI	37-33.20N	129-45.00E	g	COOK09MV
0736 290601	0	TDCT	B	CTD #20	1030M	URI	38-01.51N	129-12.01E	g	COOK09MV
0824 290601	0	TDCT	E	CTD #20		URI	38-01.51N	129-12.01E	g	COOK09MV
1058 290601	0	TDCT	B	CTD #21	1500M	URI	37-53.72N	129-44.96E	g	COOK09MV
1200 290601	0	TDCT	E	CTD #21		URI	37-53.70N	129-45.00E	g	COOK09MV
1253 300601	0	TDCT	B	CTD #22		URI	37-33.15N	130-20.96E	g	COOK09MV
1318 300601	0	TDCT	E	CTD #22		URI	37-33.03N	130-20.89E	g	COOK09MV
1337 300601	0	TDCT	B	CTD #22	1435M	URI	37-33.20N	130-20.99E	g	COOK09MV
1438 300601	0	TDCT	E	CTD #22		URI	37-33.20N	130-20.99E	g	COOK09MV
1811 300601	0	TDCT	B	CTD #23	116M	URI	37-49.72N	130-58.35E	g	COOK09MV
1906 300601	0	TDCT	E	CTD #23		URI	37-49.72N	130-58.38E	g	COOK09MV
2140 300601	0	TDCT	B	CTD #24	172M	URI	37-57.02N	130-25.01E	g	COOK09MV
2253 300601	0	TDCT	E	CTD #24		URI	37-57.02N	130-25.01E	g	COOK09MV
1342 020701	0	TDCT	B	CTD #25	1170M	URI	36-30.35N	130-03.02E	g	COOK09MV
1434 020701	0	TDCT	E	CTD #25		URI	36-30.30N	130-03.03E	g	COOK09MV

End Sample Index COOK09MV