Report and Index of

Underway Marine Geophysical Data

Cook Expedition

Leg 7

(COOK07MV)

R/V Melville

(Issued May 2001)

Ports:
Apra, Guam (4 March 2001)
to
Apra, Guam (12 April 2001)

Chief Scientist:
Sherman Bloomer, Oregon State University
Sherman.Bloomer@orst.edu

Computer Tech - Marc Silver
Resident Marine Techs- Bob Wilson
and Tammy Baiz

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

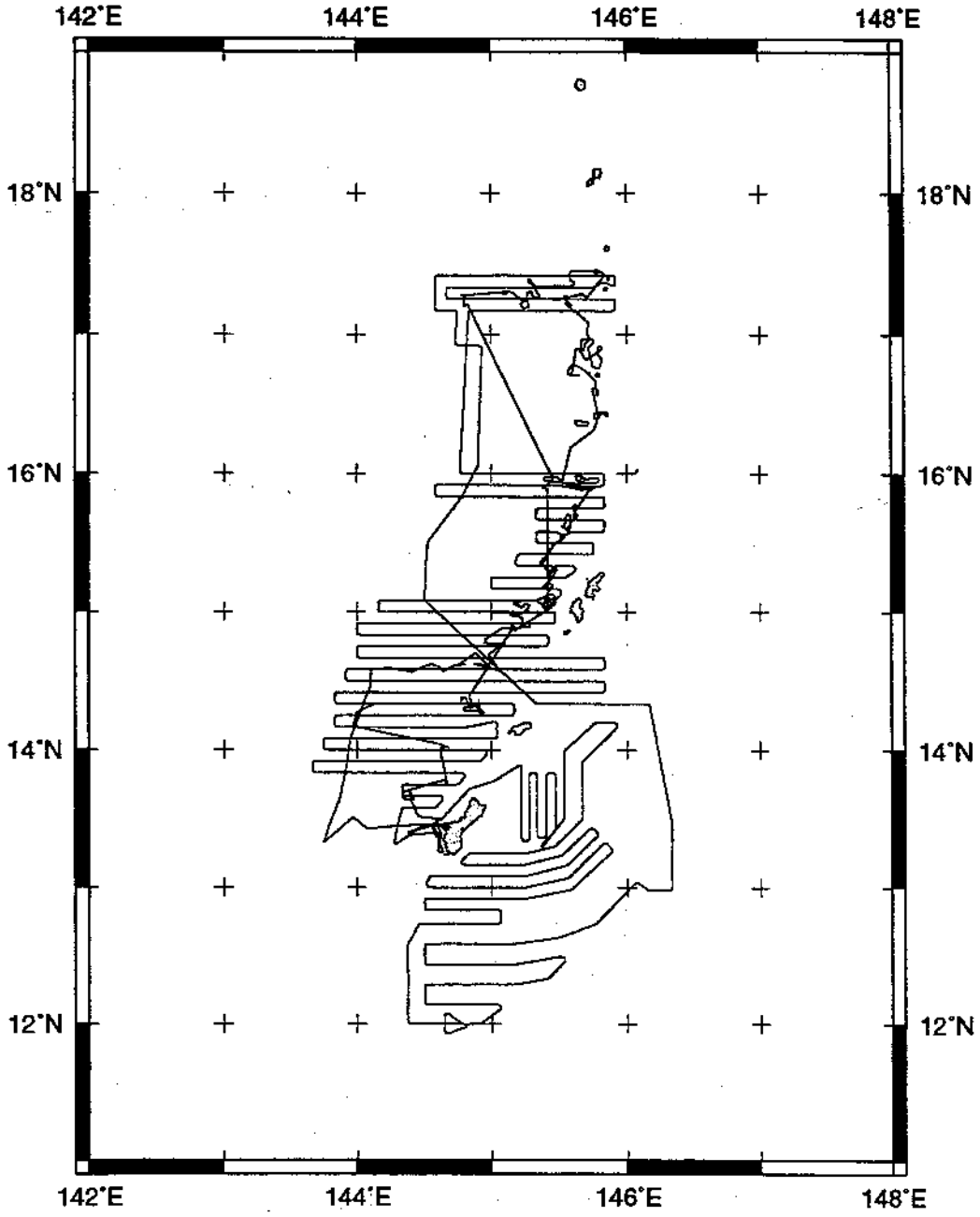
Track Charts– annotated with dates and hour ticks

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 7 (COOK07MV)

CHIEF SCIENTIST: Sherm Bloomer, Oregon State University

PORTS: Apra - Apra, Guam

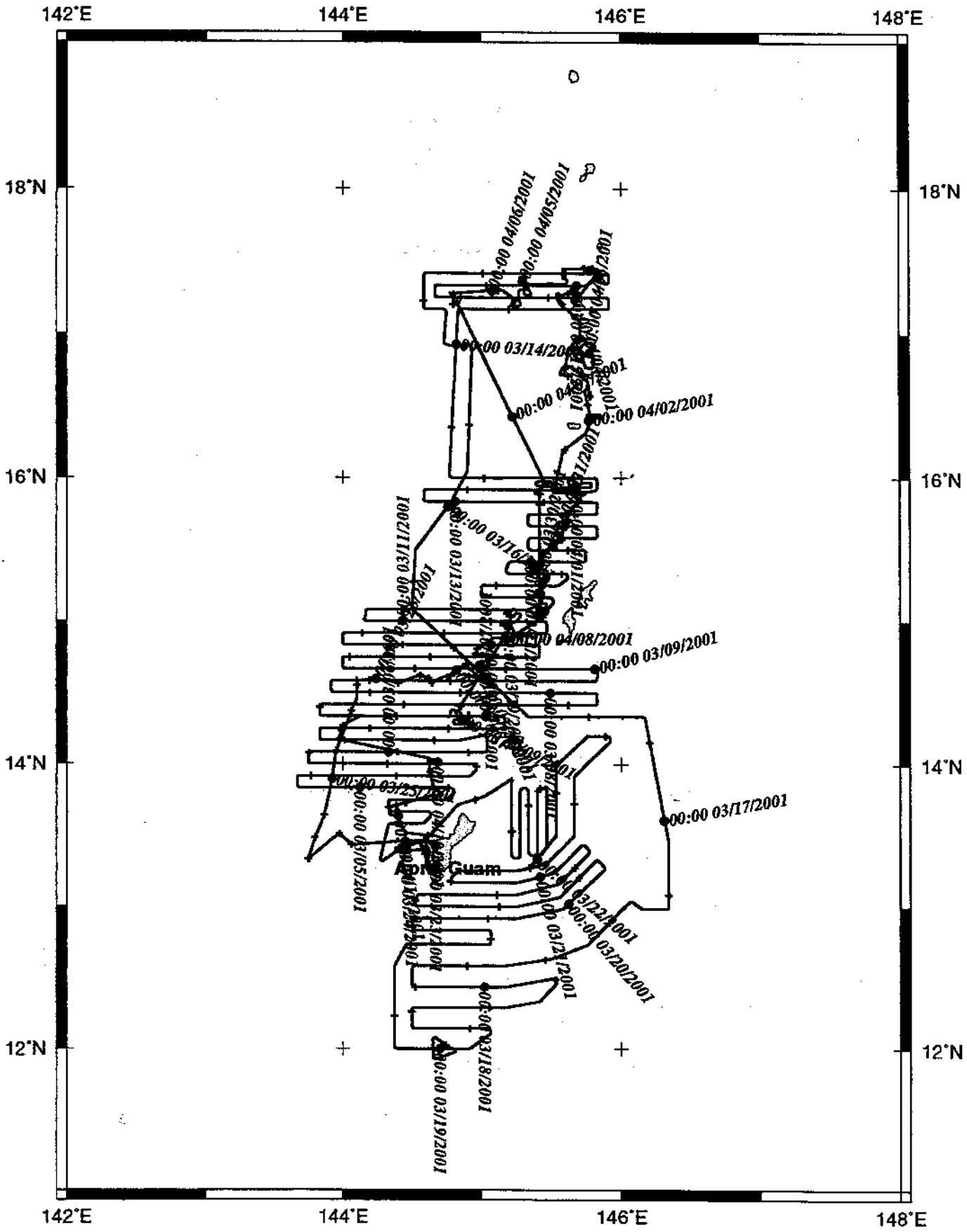
DATES: 4 March - 12 April 2001

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-5436 miles	**Magnetics-3838 miles**
Bathymetry-1768 miles	**Seismic Reflection-none collected**
Sea Beam-1768 miles	**Gravity-5289 miles**

COOK-MV leg 7 Track



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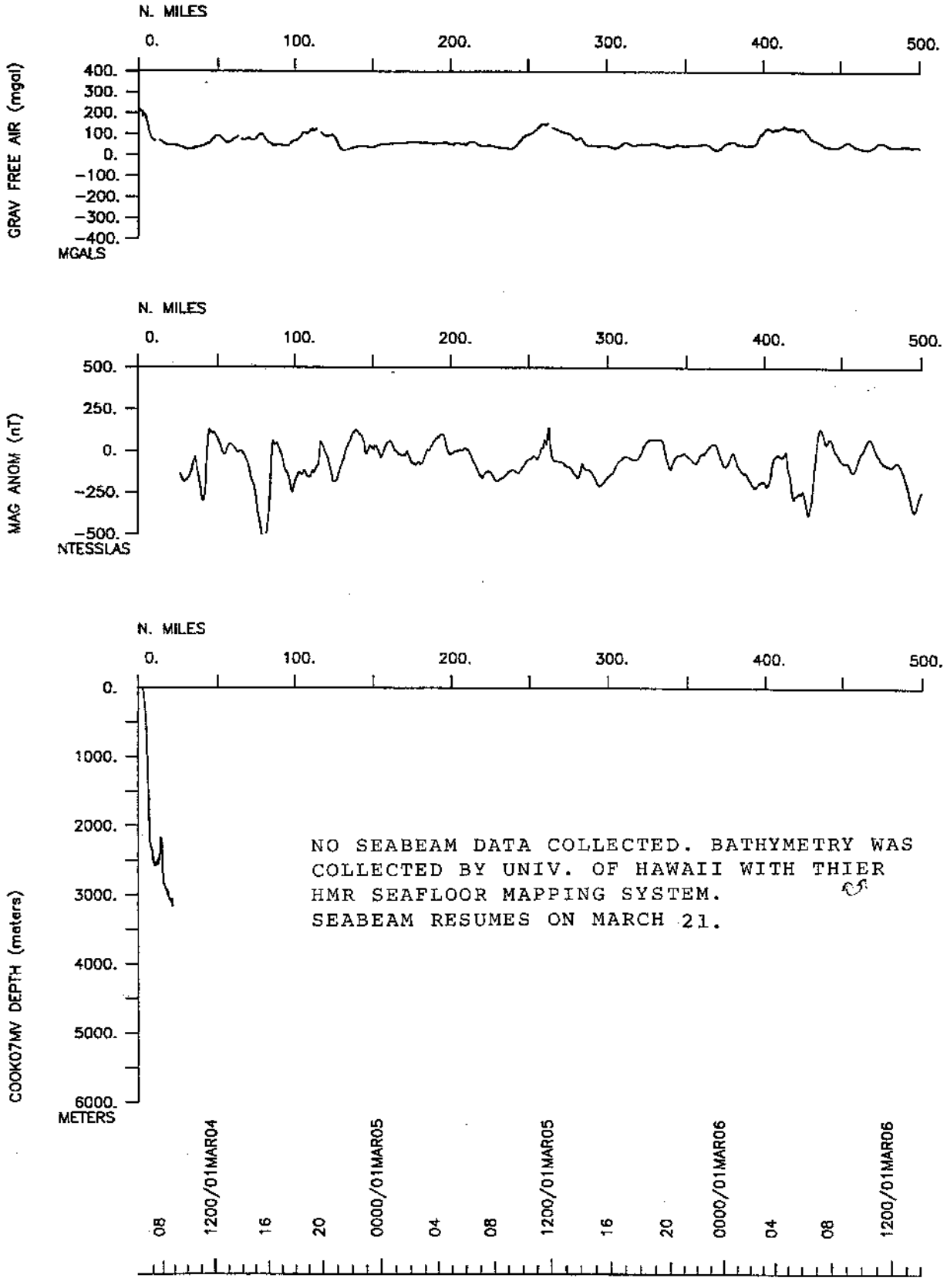
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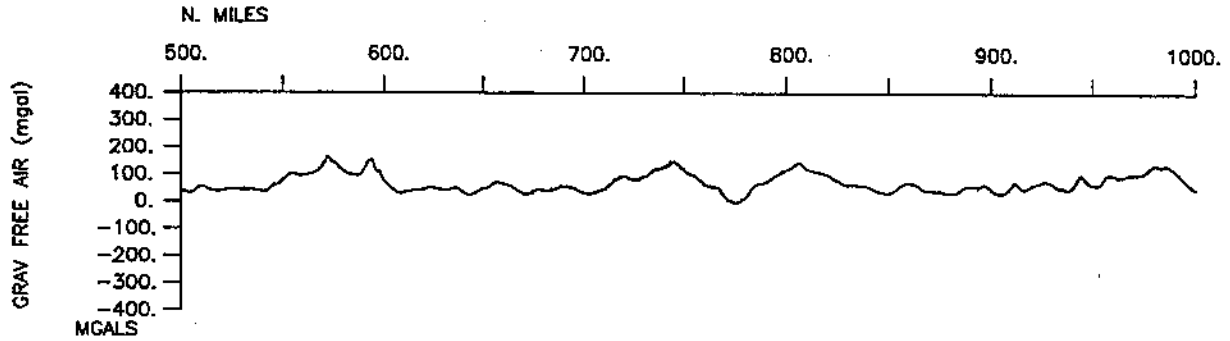
200.
300.
400.
500.
GRAV FREE AIR (mgal)
400.
300.
200.
100.
0.
-100.
-200.
-300.
-400.
MGALS
N. MILES
0.
100.
200.
300.
400.
500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
0.
100.
200.
300.
400.
500.
COOK07MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
NO SEABEAM DATA COLLECTED. BATHYMETRY WAS
COLLECTED BY UNIV. OF HAWAII WITH THIER
HMR SEAFLOOR MAPPING SYSTEM.
SEABEAM RESUMES ON MARCH 21.
08
1200/01MAR04
16
20
0000/01MAR05
04
08
1200/01MAR05
16
20
0000/01MAR06
04
08
1200/01MAR06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-200.
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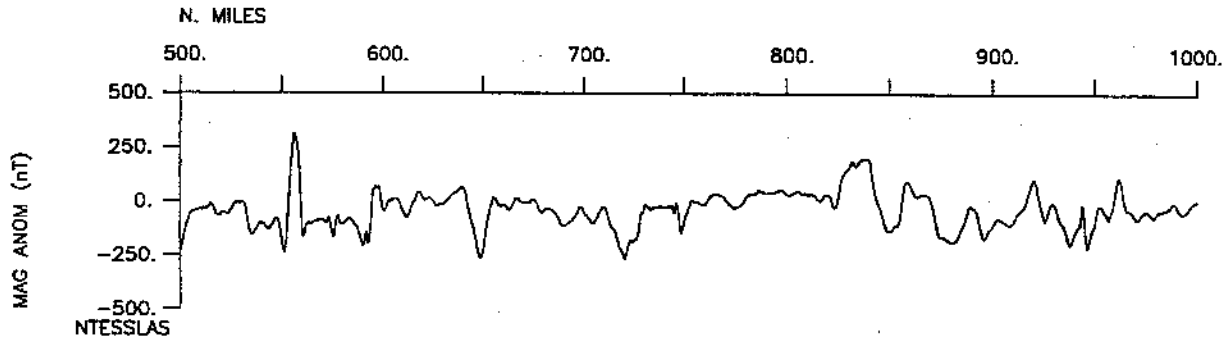
-400.
MGALS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800.
900.
1000.
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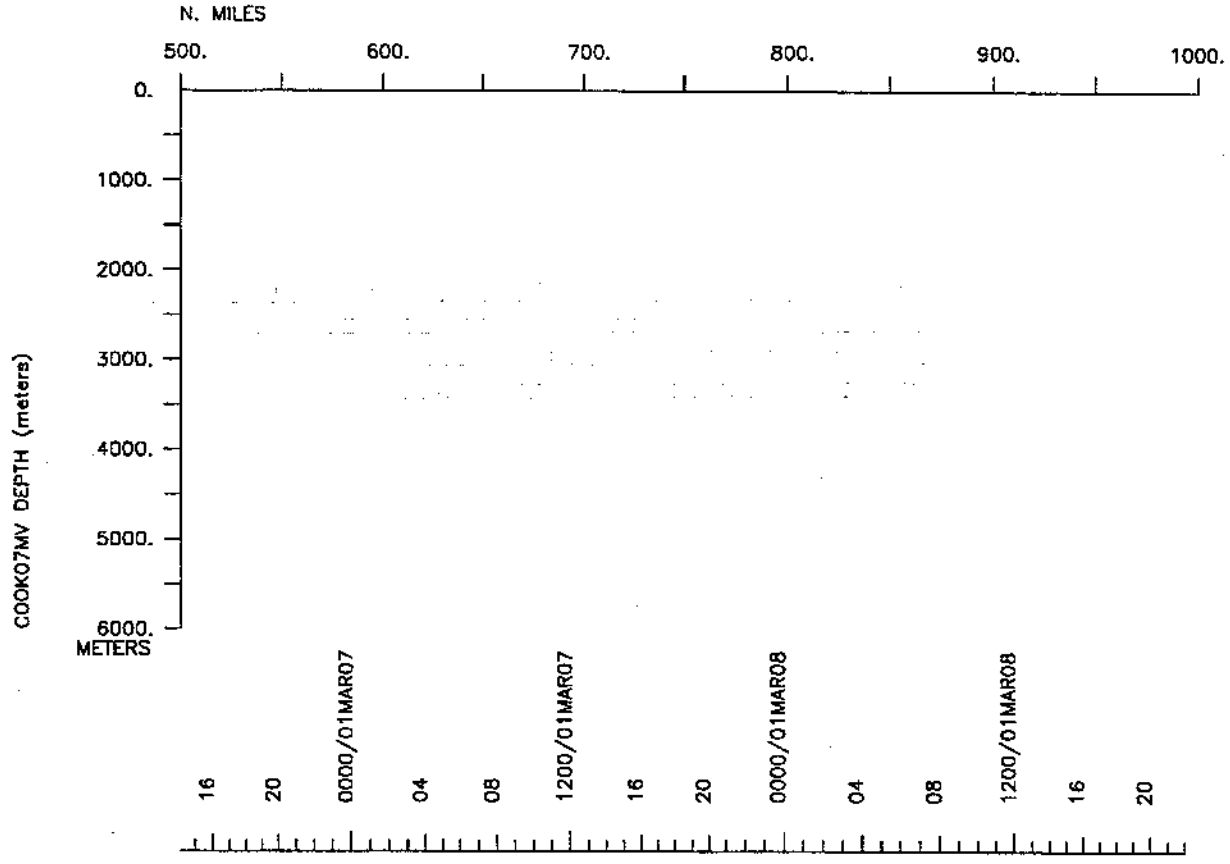
NTESSLAS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600.
700.
800.
900.
1000.
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0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
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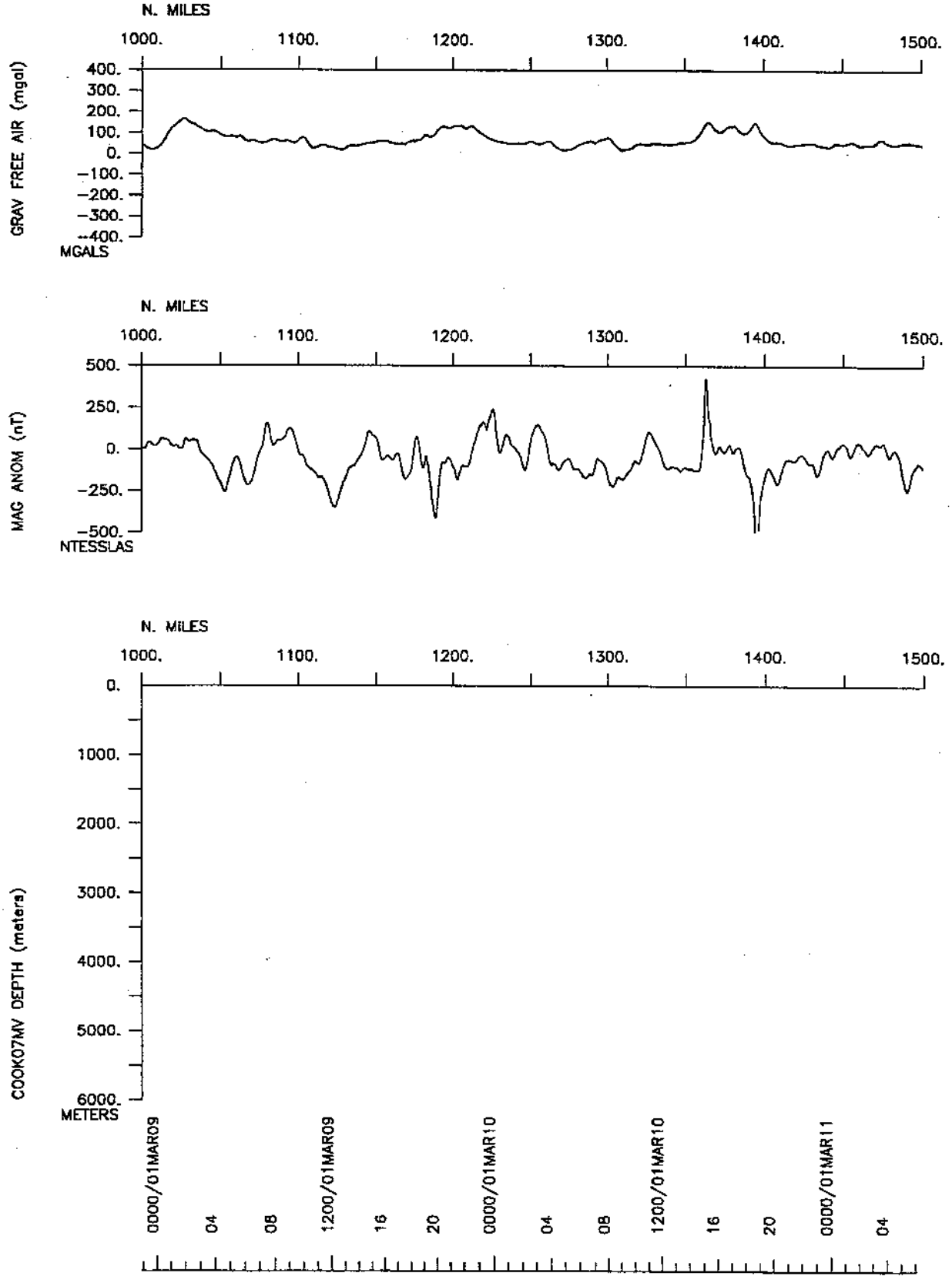
20
0000/01MAR07
04
08
1200/01MAR07
16
20
0000/01MAR08
04
08
1200/01MAR08
16
20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1100.
1200.
1300.
1400.
1500.
GRAV FREE AIR (mgal)
400.
300.
200.
100.
0.
-100.
-200.
-300.
-400.
MGALS
N. MILES
1000.
1100.
1200.
1300.
1400.
1500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
1000.
1100.
1200.
1300.
1400.
1500.
COOK07MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
0000/01MAR09
04
08
1200/01MAR09
16
20
0000/01MAR10
04
08
1200/01MAR10
16
20
0000/01MAR11
04


N. MILES
1500.
1600.
1700.
1800.
1900.
2000.
GRAV FREE AIR (mgal)
400.
300.
200.
100.
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-100.
-200.
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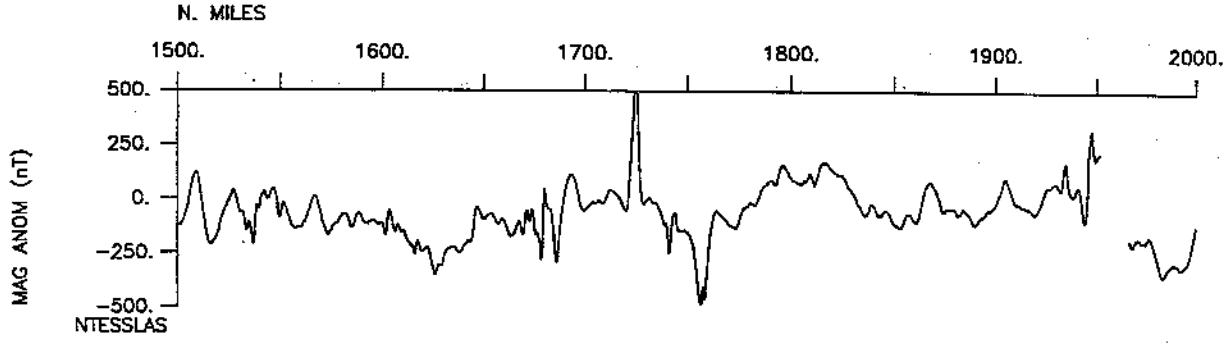
MGALS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1500.
1600.
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1800.
1900.
2000.
MAG ANOM (nT)
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250.
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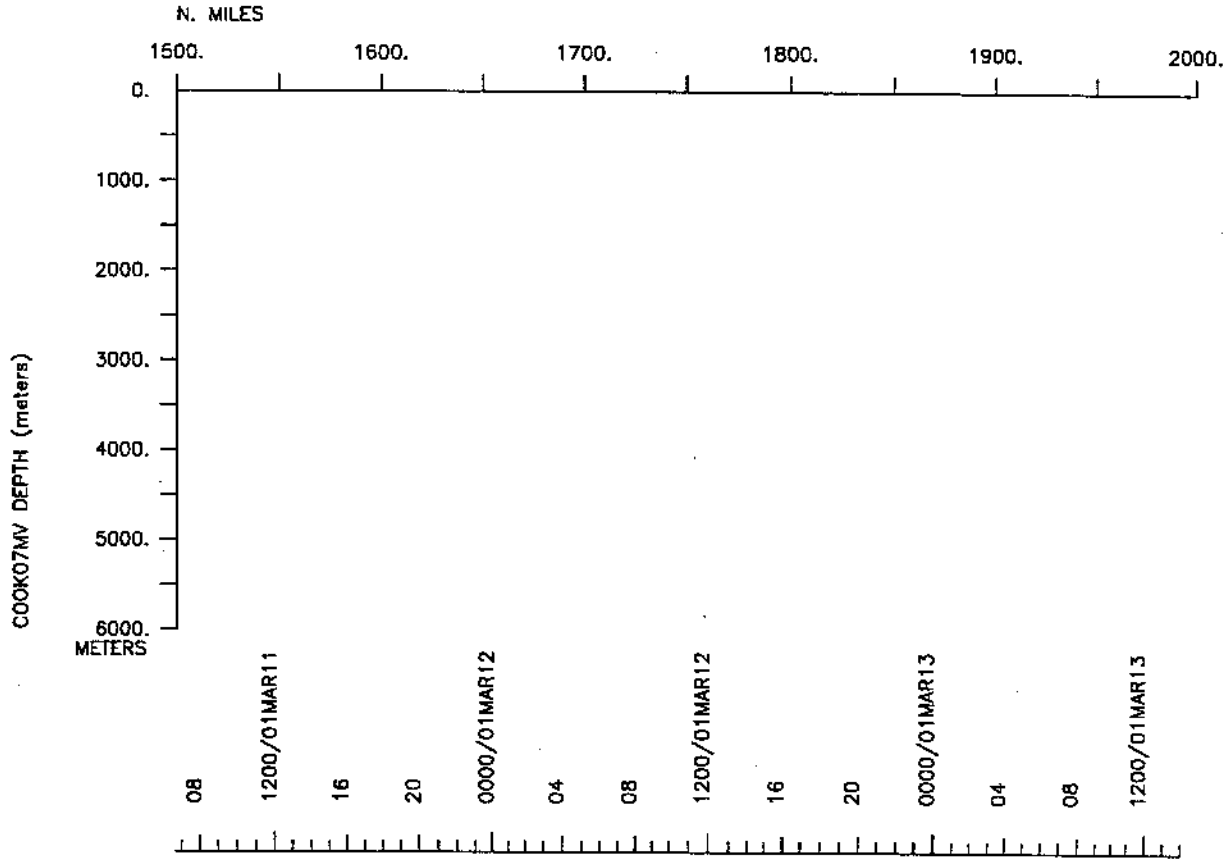
NTESSLAS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1600.
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1800.
1900.
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1000.
2000.
3000.
4000.
5000.
6000.
METERS
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1200/01MAR11
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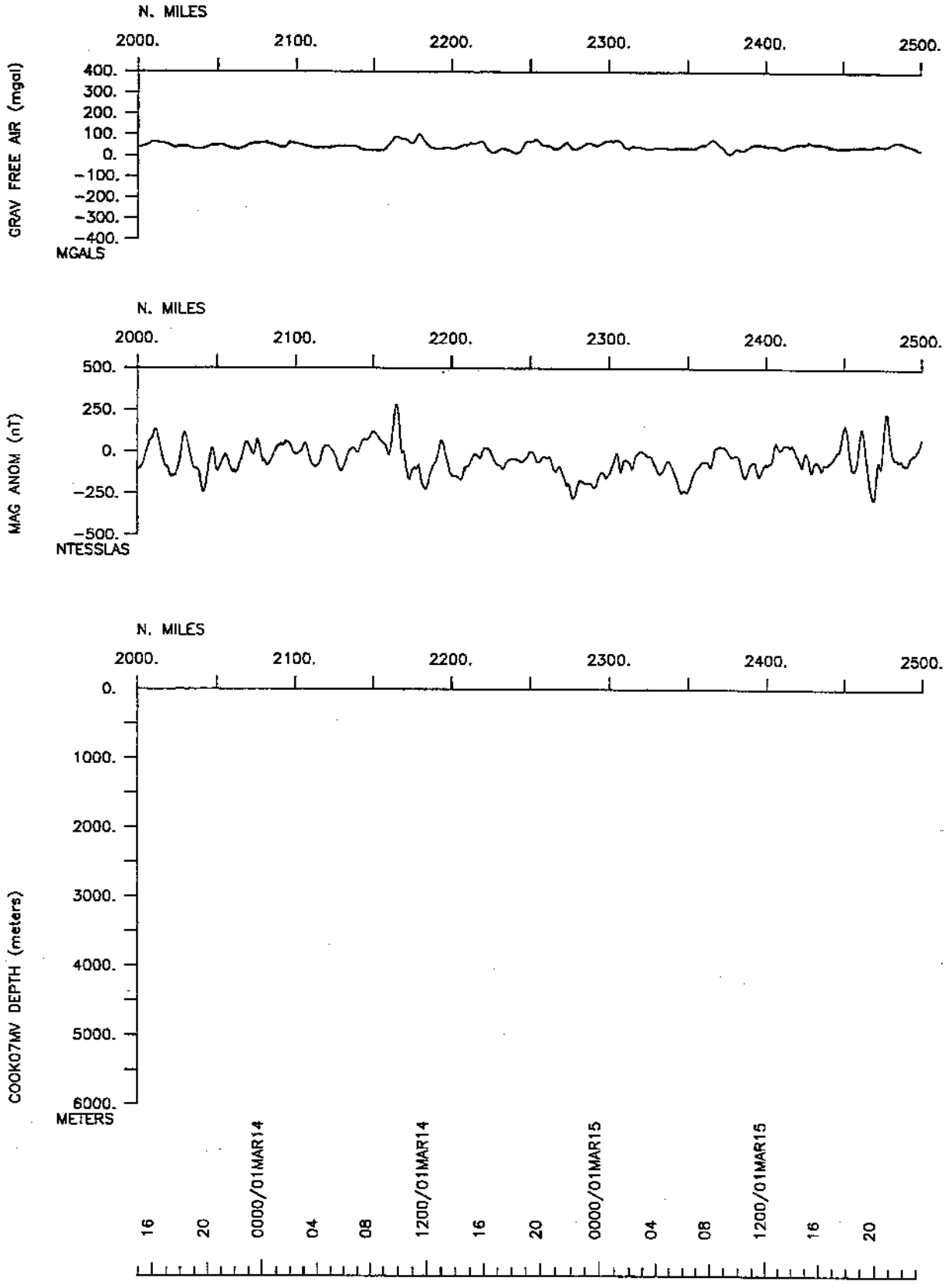
20
0000/01MAR12
04
08
1200/01MAR12
16
20
0000/01MAR13
04
08
1200/01MAR13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2200.
2300.
2400.
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GRAV FREE AIR (mgal)
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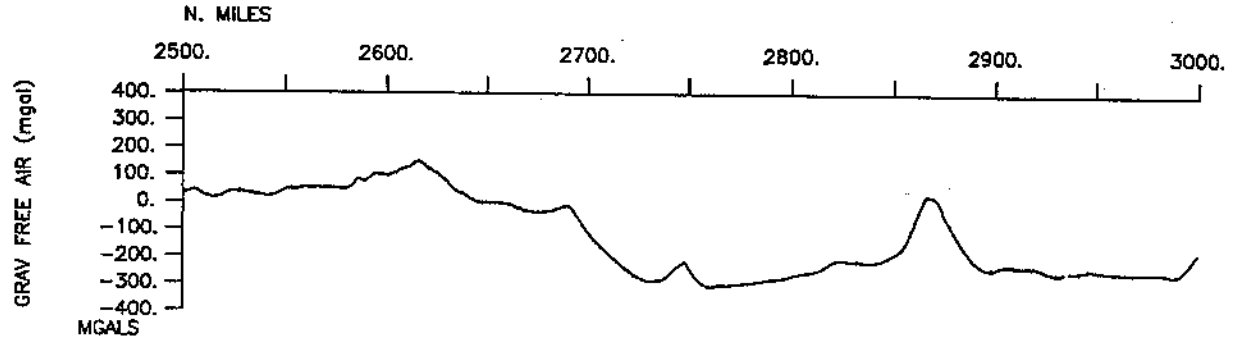
300.
200.
100.
0.
-100.
-200.
-300.
-400.
MGALS
N. MILES
2000.
2100.
2200.
2300.
2400.
2500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
2000.
2100.
2200.
2300.
2400.
2500.
COOK07MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
16
20
0000/01MAR14
04
08
1200/01MAR14
16
20
0000/01MAR15
04
08
1200/01MAR15
16
20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2700.
2800.
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200.
100.
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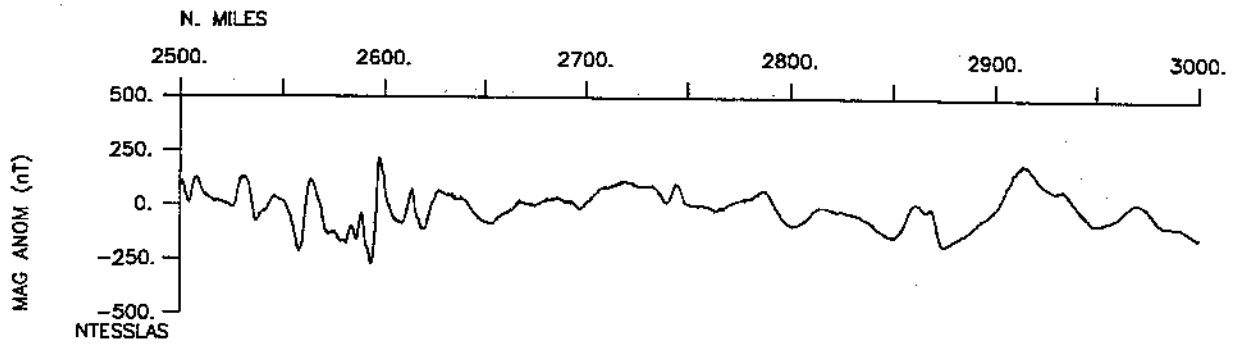
-100.
-200.
-300.
-400.
MGALS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2800.
2900.
3000.
MAG ANOM (nT)
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250.
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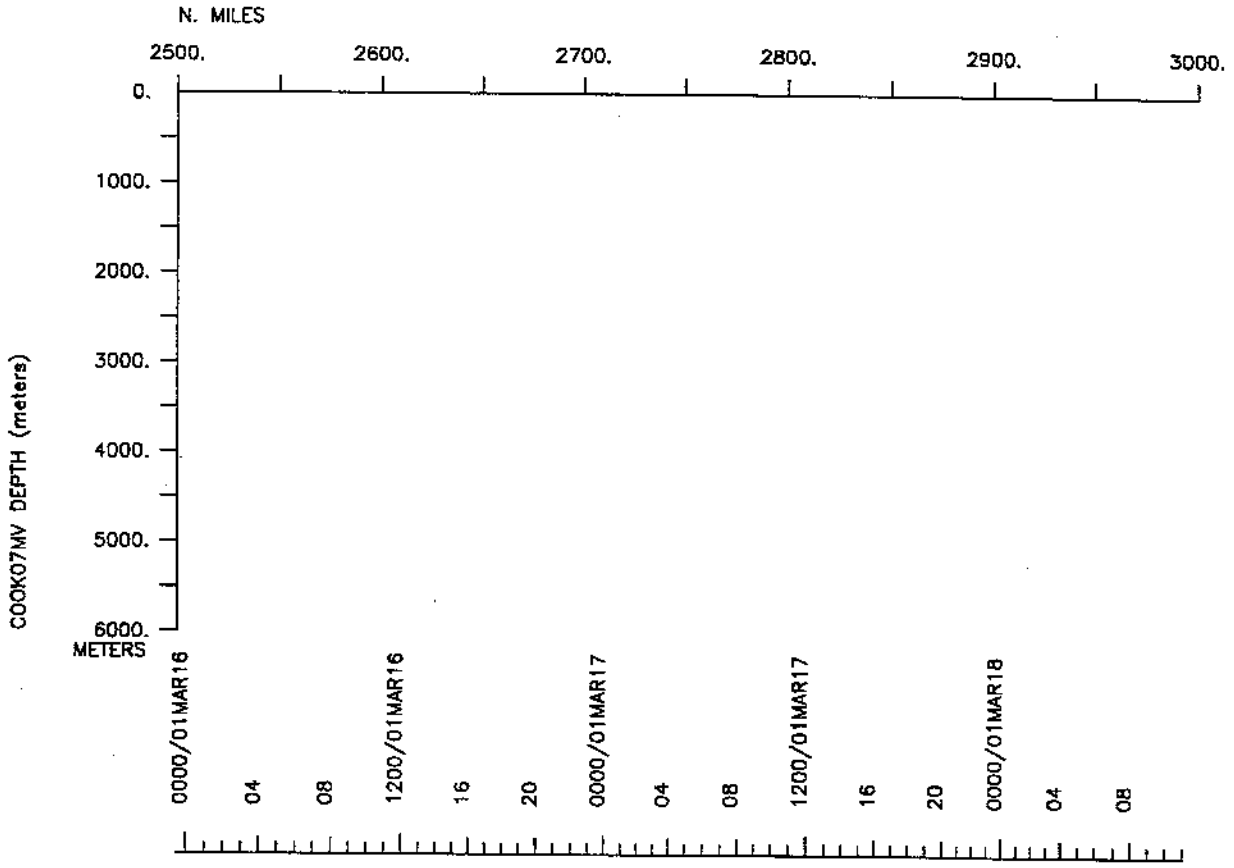
-500.
NTESSLAS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2700.
2800.
2900.
3000.
COOK07MV DEPTH (meters)
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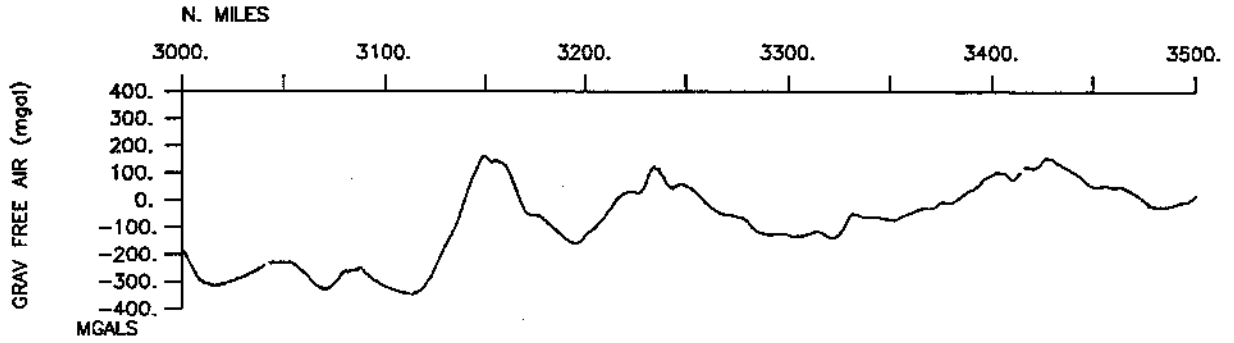
1000.
2000.
3000.
4000.
5000.
6000.
METERS
0000/01MAR16
04
08
1200/01MAR16
16
20
0000/01MAR17
04
08
1200/01MAR17
16
20
0000/01MAR18
04
08


N. MILES
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3200.
3300.
3400.
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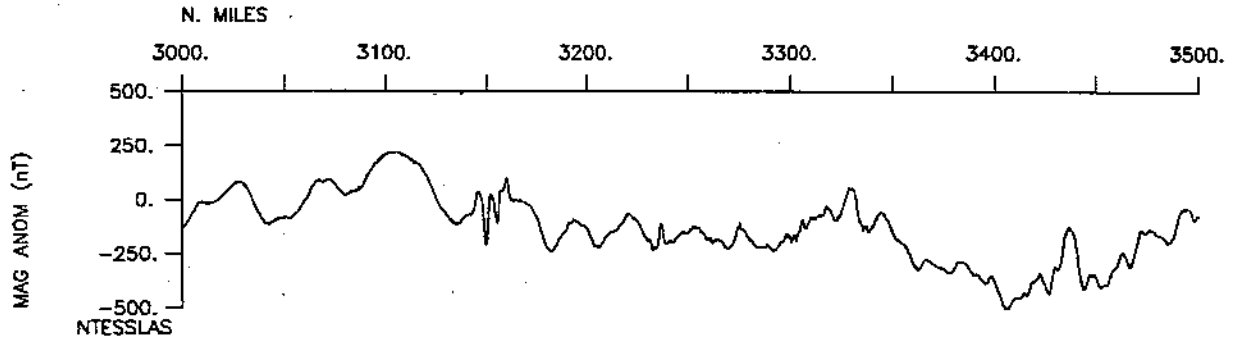
200.
100.
0.
-100.
-200.
-300.
-400.
MGALS


N. MILES
3000.
3100.
3200.
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3400.
3500.
MAG ANOM (nT)
500.
250.
0.
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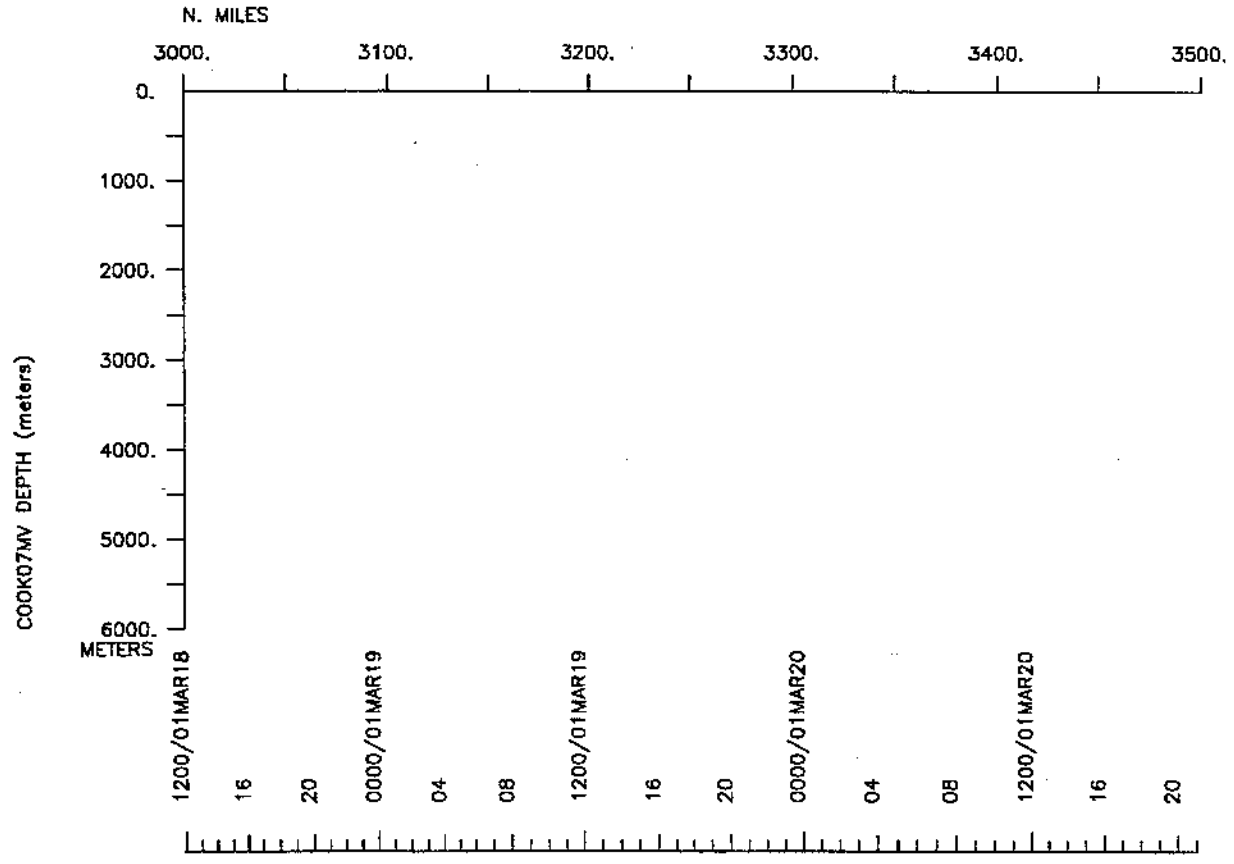
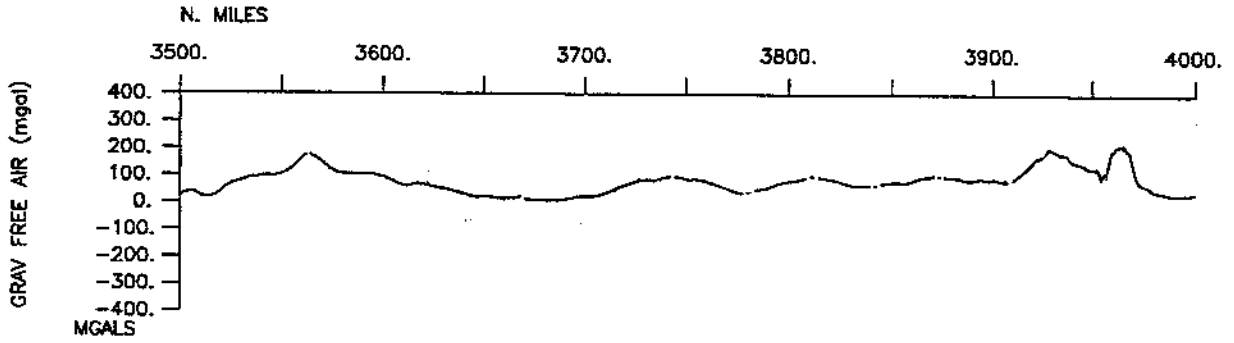
-500.
NTESSLAS


N. MILES
3000.
3100.
3200.
3300.
3400.
3500.
COOK07MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/01MAR18
16
20
0000/01MAR19
04
08
1200/01MAR19
16
20
0000/01MAR20
04
08
1200/01MAR20
16
20


N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
GRAV FREE AIR (mgal)
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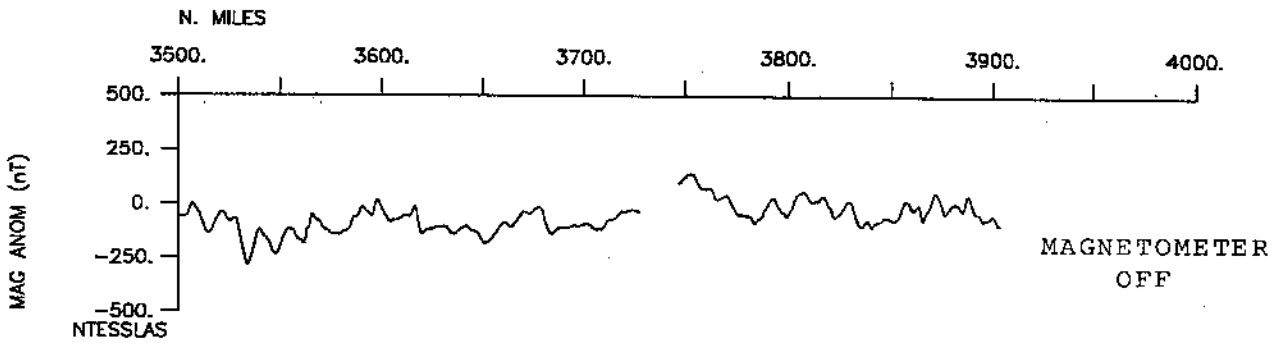
300.
200.
100.
0.
-100.
-200.
-300.
-400.
MGALS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3600.
3700.
3800.
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0.
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-500.
NTESSLAS
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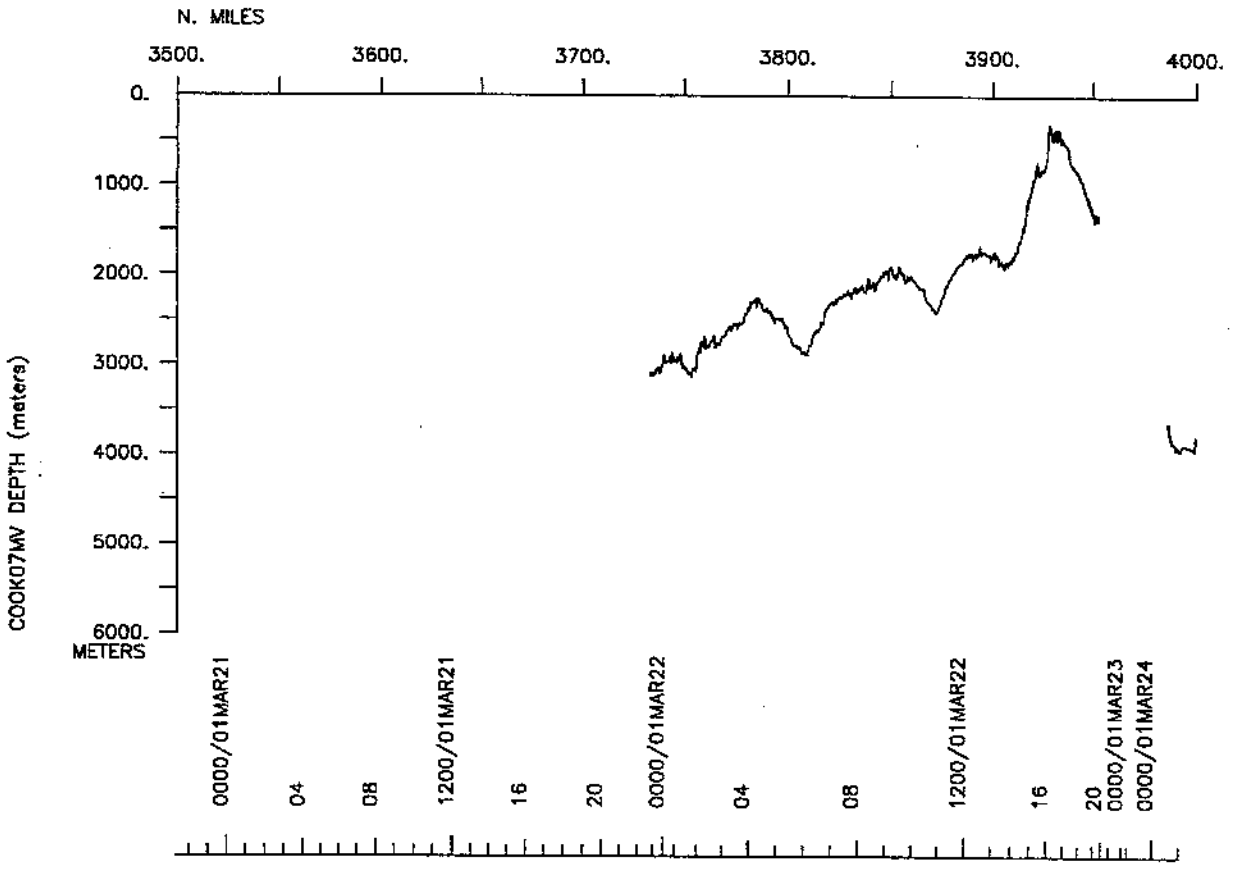
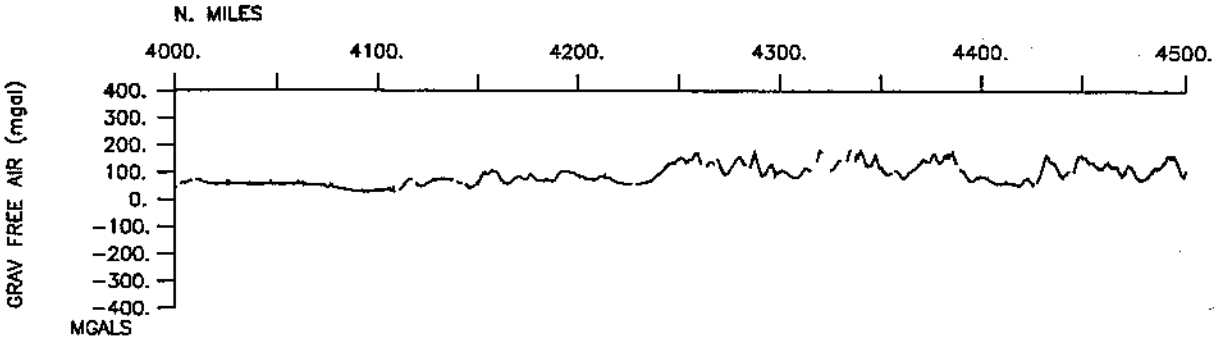

N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
COOK07MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
0000/01MAR21
04
08
1200/01MAR21
16
20
0000/01MAR22
04
08
1200/01MAR22
16
20
0000/01MAR23
0000/01MAR24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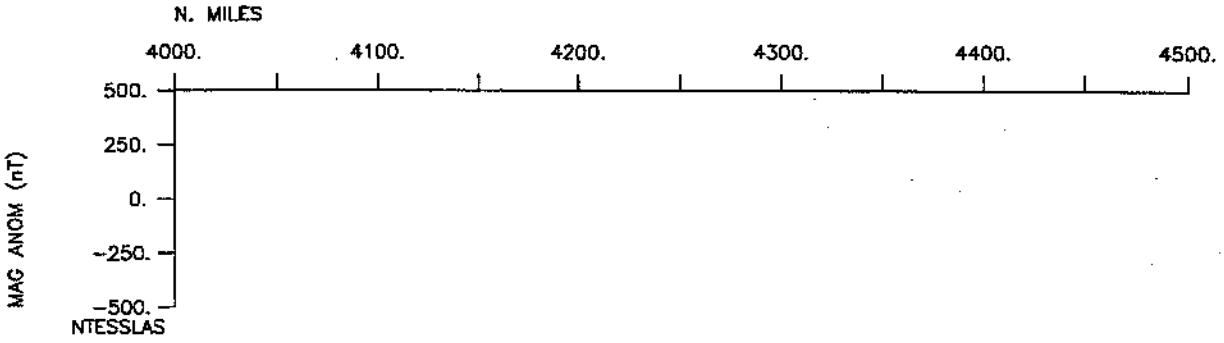
200.
100.
0.
-100.
-200.
-300.
-400.
MGALS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4100.
4200.
4300.
4400.
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MAG ANOM (nT)
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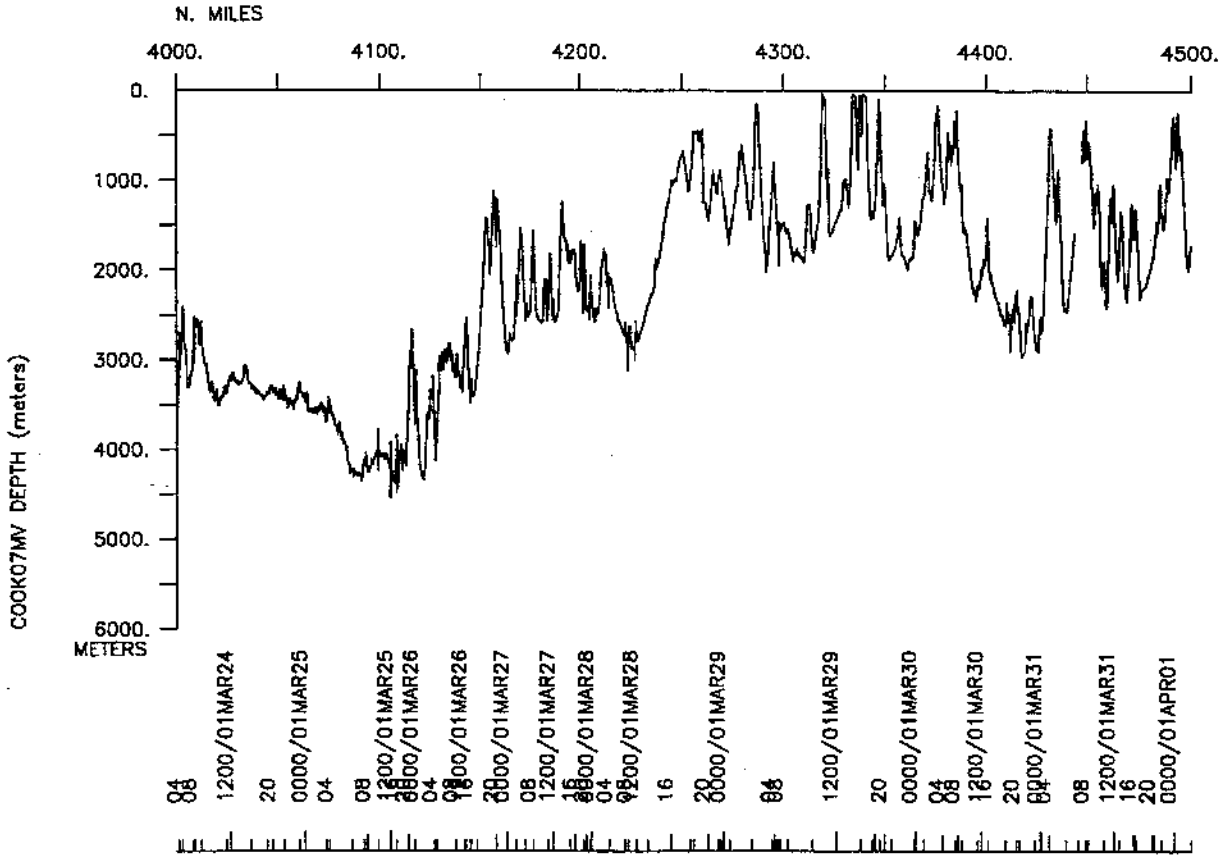
NTESSLAS


N. MILES
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4100.
4200.
4300.
4400.
4500.
COOK07MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/01MAR24
0000/01MAR25
1200/01MAR25
0000/01MAR26
1200/01MAR26
0000/01MAR27
1200/01MAR27
0000/01MAR28
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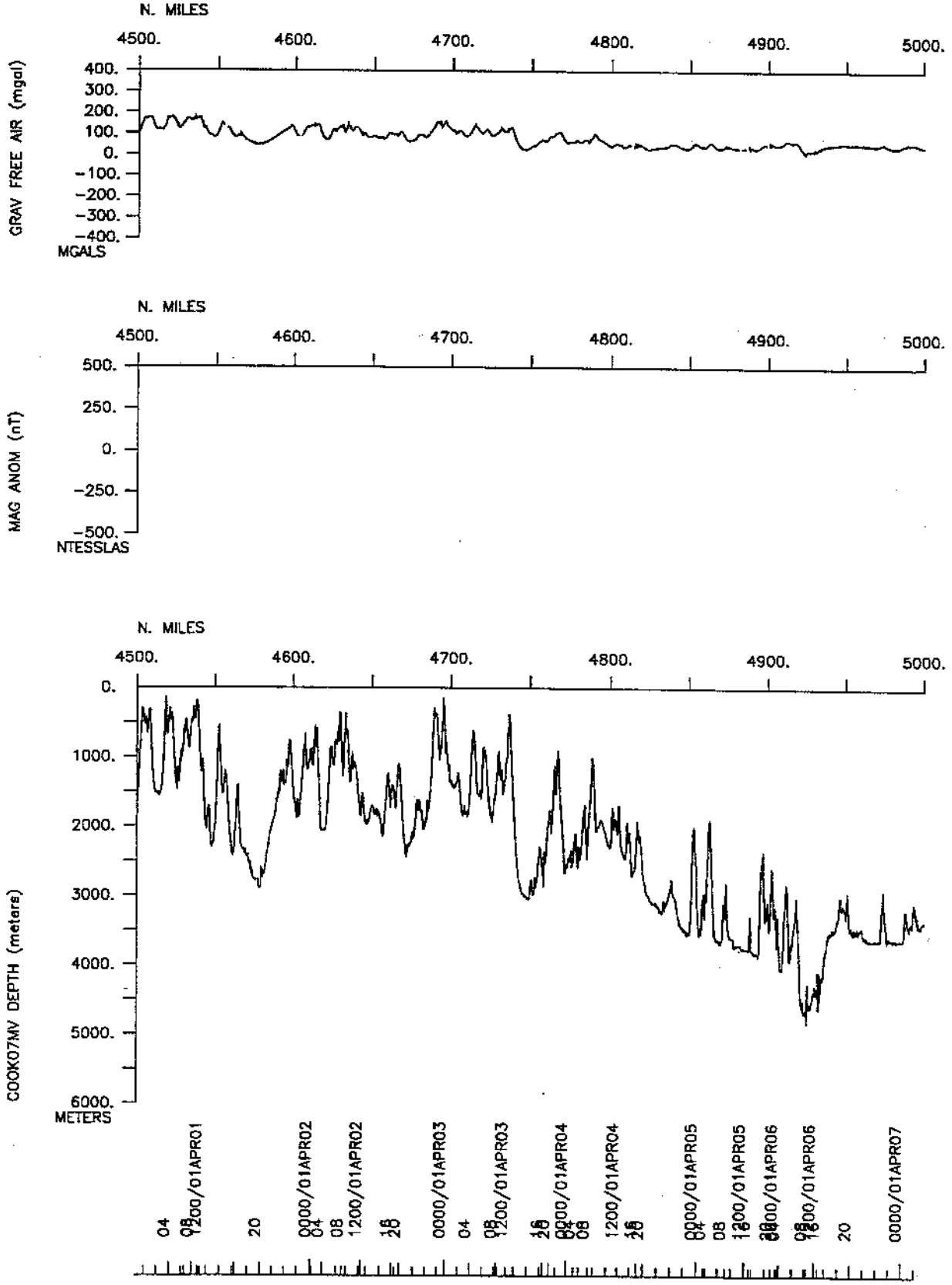
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4700.
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4900.
5000.
GRAV FREE AIR (mgal)
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300.
200.
100.
0.
-100.
-200.
-300.
-400.
MGALS
N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
COOK07MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/01APR01
0000/01APR02
1200/01APR02
0000/01APR03
1200/01APR03
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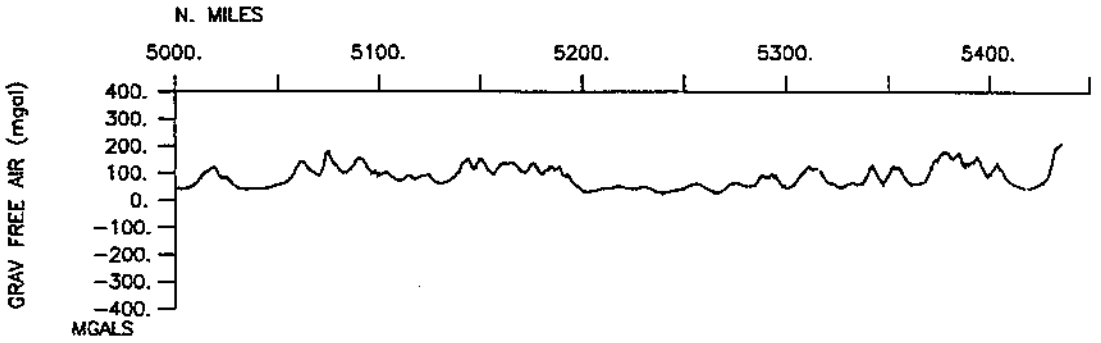
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5200.
5300.
5400.
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200.
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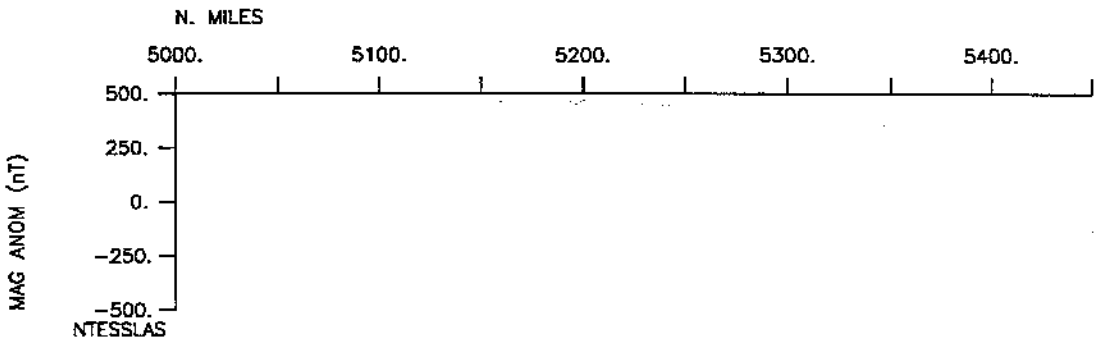
−100.
−200.
−300.
−400.
MGALS


N. MILES
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5200.
5300.
5400.
MAG ANOM (nT)
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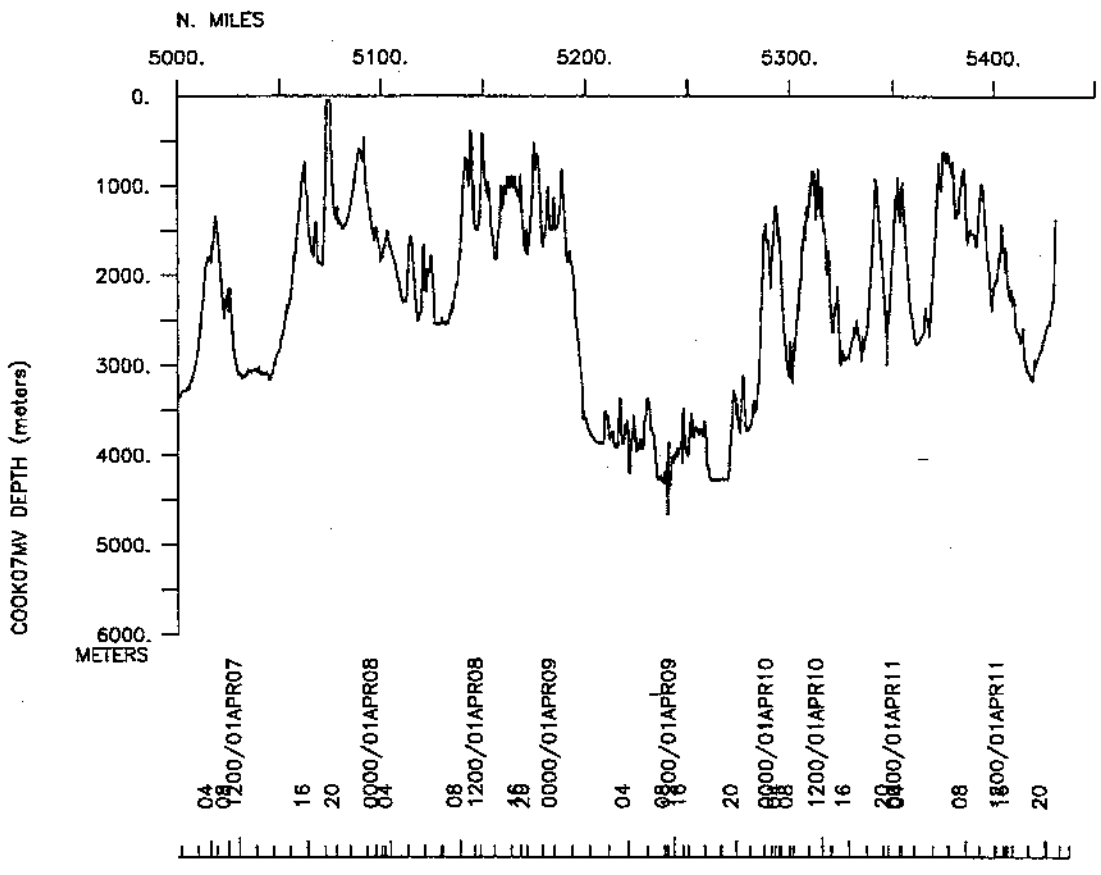
250.
0.
−250.
−500.
NTESSLAS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5000.
5100.
5200.
5300.
5400.
COOK07MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/01APR07
0000/01APR08
1200/01APR08
0000/01APR09
1200/01APR09
0000/01APR10
1200/01APR10
0000/01APR11
1200/01APR11

S.I.O. Sample Index

COOK Expedition

Leg 7

(COOK07MV)

R/V Melville

(Issued May 2001)

PORTS:

Apra, Guam (4 March 2001)
to
Apra, Guam (12 April 2001)

Chief Scientist:

Sherman Bloomer, Oregon State University

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 ***

0553 040301    LGPT B Apra, Guam                  13-27.00N 144-37.00E f COOK07MV
2200 120401    LGPT E Apra, Guam                  13-27.00N 144-37.00E f COOK07MV

2209 220301    LGSS B Apra, Guam                  13-27.00N 144-37.00E f COOK07MV
2230 230301    LGSS E Apra, Guam                  13-27.00N 144-37.00E f COOK07MV

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

PECS OSU  Bloomer, S.          Chief Scientisrt    Oregon State Univ.    COOK07MV
PECS SIX  Stern, R.            Co-Chief Sci.       U. of Texas, Dallas   COOK07MV
PESP SIX  Montgomery, H.       Scientist           U. of Texas, Dallas   COOK07MV
PESP UHI  Edwards, M.          Scientist           Univ. of Hawaii       COOK07MV
PESP SIX  Leybourne, M.        Scientist           U. of Texas, Dallas   COOK07MV
PESP JPN  Ishii, T.            Scientist           Univ. of Tokyo        COOK07MV
PESP JPN  Ikeda, Y.            Scientist           Hokaido University    COOK07MV
PESP UHI  Tottori, S.          Technician          Univ. of Hawaii       COOK07MV
PEST SIX  Hargrove, U.         Grad student        U. of Texas, Dallas   COOK07MV
PEST SIX  Robinson, A.         Grad student        U. of Texas, Dallas   COOK07MV
PEST UHI  Engels, J.           Grad. student       Univ. of Hawaii       COOK07MV
PEST UHI  Becker, N.           Grad. student       Univ. of Hawaii       COOK07MV
PEST SIX  Andrew, T.           Grad. Student       U. of Edinburg,Eng.   COOK07MV
PEST OSU  Bishop, T.           Student             Oregon State Univ.    COOK07MV
PEST OSU  Kohut, E.            Grad. student       Oregon State Univ.    COOK07MV
PEST OSU  McKee, C.            Grad. student       Oregon State Univ.    COOK07MV
PEST OSU  Popham, C.           Student             Oregon State Univ.    COOK07MV
PEST OSU  Williams, R.         Student             Oregon State Univ.    COOK07MV
PEST JPN  Machida, S.          Grad. student       Univ. of Tokyo        COOK07MV
PEST WHOI McKnight, S.         Grad. student       Woods Hole            COOK07MV
PEVL SIX  Myrick, K.           Volunteer           Dallas School Sys.    COOK07MV
PEVL SIX  Ford, R.             Volunteer           Dallas School Sys.    COOK07MV
PECT STS  Silver, M.           Computer tech       Scripps Institution   COOK07MV
PERT STS  Wilson, B.           Resident tech       Scripps Institution   COOK07MV
PERT STS  Baiz, T.             Resident tech       Scripps Institution   COOK07MV

#*** 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
#---------- -- ---- -------------------------- ---- --------- ---------- - --------

#*** Digital Underway Data Curator - Geological Data Center ext. 41898 *
#*** Analog Underway Data Curator - Shipboard Technical Support Group - 41899 *


#*** Log Books ***

0553 040301  0 LBUW B Underway watch log    STS  13-25.18N 144-40.02E g COOK07MV
2055 110401  0 LBUW E Underway watch log    STS  13-27.17N 144-35.31E g COOK07MV


#*** Sea Beam Digital Data (vertical beam and side scan) ***

0730 040301  0 MBSR B vbeam&sidescan        STS  13-27.13N 144-29.10E g COOK07MV
2052 110401  0 MBSR E vbeam&sidescan        STS  13-27.13N 144-35.04E g COOK07MV
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#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
#*** Digital Gravity ***										
0553	030401	0	GVDD	B	Gravity data	GDC	16-54.27N	145-39.82E	g	COOK07MV
2200	110401	0	GVDD	E	Gravity data	GDC	13-26.31N	144-39.82E	g	COOK07MV
#*** Digital Magnetics (Earth Total Field) ***										
0925	040301	0	MGDD	B	Digital mag data	GDC	13-19.92N	144-18.63E	g	COOK07MV
1323	220301	0	MGDD	E	Digital mag data	GDC	13-49.48N	145-13.01E	g	COOK07MV
#*** Integrated Meteorological Data Aquisition ***										
0553	040301	0	IMET	B	Weather measurements	GDC	13-25.18N	144-40.02E	g	COOK07MV
2200	110401	0	IMET	E	Weather measurements	GDC	13-26.31N	144-39.82E	g	COOK07MV
#*** Acoustic Doppler Current Profiler ***										
0553	040301	0	ADCP	B	300khz current meas.	GDC	13-25.18N	144-40.02E	g	COOK07MV
2200	110401	0	ADCP	E	300khz current meas.	GDC	13-26.31N	144-39.82E	g	COOK07MV
#*** Towed Sidescan Sonar ***										
0837	040301	0	DPSS	B	HMR1seafl mapping	UHI	13-23.48N	144-23.81E	g	COOK07MV
2242	210301	0	DPSS	E	HMR1seafl mapping	UHI	13-25.95N	145-28.78E	g	COOK07MV
#*** Rock Dredges ***										
0200	240301	0	DRRO	B	Rock dredge 1	OSU	13-26.31N	144-39.82E	g	COOK07MV
0544	240301	0	DRRO	E	Rock dredge 1	OSU	13-26.11N	144-03.75E	g	COOK07MV
0643	240301	0	DRRO	B	Rock dredge 2	OSU	13-30.50N	143-58.49E	g	COOK07MV
0936	240301	0	DRRO	E	Rock dredge 2	OSU	13-30.55N	143-58.32E	g	COOK07MV
1520	250301	0	DRRO	B	Rock dredge 3	OSU	14-35.00N	144-06.00E	g	COOK07MV
1920	250301	0	DRRO	E	Rock dredge 3	OSU	14-34.88N	144-06.57E	g	COOK07MV
2033	250301	0	DRRO	B	Rock dredge 4	OSU	14-35.69N	144-14.88E	g	COOK07MV
0058	260301	0	DRRO	E	Rock dredge 4	OSU	14-35.78N	144-14.57E	g	COOK07MV
0150	260301	0	DRRO	B	Rock dredge 5	OSU	14-34.35N	144-22.00E	g	COOK07MV
0350	260301	0	DRRO	E	Rock dredge 5	OSU	14-34.00N	144-24.00E	g	COOK07MV
0703	260301	0	DRRO	B	Rock dredge 6	OSU	14-37.50N	144-33.39E	g	COOK07MV
1023	260301	0	DRRO	E	Rock dredge 6	OSU	14-37.11N	144-33.42E	g	COOK07MV
1116	260301	0	DRRO	B	Rock dredge 7	OSU	14-36.21N	144-36.88E	g	COOK07MV
1422	260301	0	DRRO	E	Rock dredge 7	OSU	14-35.88N	144-36.90E	g	COOK07MV
1500	260301	0	DRRO	B	Rock dredge 8	OSU	14-34.20N	144-38.40E	g	COOK07MV
1821	260301	0	DRRO	E	Rock dredge 8	OSU	14-34.37N	144-38.70E	g	COOK07MV
2027	260301	0	DRRO	B	Rock dredge 9	OSU	14-36.21N	144-36.88E	g	COOK07MV
2321	260301	0	DRRO	E	Rock dredge 9	OSU	14-36.61N	144-45.39E	g	COOK07MV
0043	270301	0	DRRO	B	Rock dredge 10	OSU	14-42.02N	144-53.18E	g	COOK07MV
0408	270301	0	DRRO	E	Rock dredge 10	OSU	14-41.90N	144-53.34E	g	COOK07MV
0538	270301	0	DRRO	B	Rock dredge 11	OSU	14-36.40N	144-58.99E	g	COOK07MV
0757	270301	0	DRRO	E	Rock dredge 11	OSU	14-36.30N	144-59.12E	g	COOK07MV

#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
0853 270301	0	DRRO	B	Rock dredge 12	OSU	14-37.51N	144-52.26E	g	COOK07MV
1136 270301	0	DRRO	E	Rock dredge 12	OSU	14-37.41N	144-52.45E	g	COOK07MV
1301 270301	0	DRRO	B	Rock dredge 13	OSU	14-34.81N	145-03.15E	g	COOK07MV
1532 270301	0	DRRO	E	Rock dredge 13	OSU	14-34.61N	145-03.41E	g	COOK07MV
1700 270301	0	DRRO	B	Rock dredge 14	OSU	14-39.90N	145-00.10E	g	COOK07MV
1943 270301	0	DRRO	E	Rock dredge 14	OSU	14-39.57N	145-00.39E	g	COOK07MV
2035 270301	0	DRRO	B	Rock dredge 15	OSU	14-41.20N	144-58.60E	g	COOK07MV
2346 270301	0	DRRO	E	Rock dredge 15	OSU	14-41.38N	144-58.88E	g	COOK07MV
0100 280301	0	DRRO	B	Rock dredge 16	OSU	14-46.10N	145-06.19E	g	COOK07MV
0409 280301	0	DRRO	E	Rock dredge 16	OSU	14-45.91N	145-05.82E	g	COOK07MV
0518 280301	0	DRRO	B	Rock dredge 17	OSU	14-46.48N	144-56.98E	g	COOK07MV
0923 280301	0	DRRO	E	Rock dredge 17	OSU	14-46.27N	144-57.58E	g	COOK07MV
1128 280301	0	DRRO	B	Rock dredge 18	OSU	14-48.50N	144-57.75E	g	COOK07MV
1410 280301	0	DRRO	E	Rock dredge 18	OSU	14-48.50N	144-58.34E	g	COOK07MV
1729 280301	0	DRRO	B	Rock dredge 19	OSU	14-54.70N	145-14.35E	g	COOK07MV
1905 280301	0	DRRO	E	Rock dredge 19	OSU	14-54.61N	145-14.69E	g	COOK07MV
2043 280301	0	DRRO	B	Rock dredge 20	OSU	14-58.00N	145-11.60E	g	COOK07MV
2330 280301	0	DRRO	E	Rock dredge 20	OSU	14-58.00N	145-12.75E	g	COOK07MV
0315 290301	0	DRRO	B	Rock dredge 21	OSU	15-02.01N	145-12.46E	g	COOK07MV
0540 290301	0	DRRO	E	Rock dredge 21	OSU	15-02.28N	145-12.83E	g	COOK07MV
0635 290301	0	DRRO	B	Rock dredge 22	OSU	15-03.50N	145-10.89E	g	COOK07MV
0933 290301	0	DRRO	E	Rock dredge 22	OSU	15-03.19N	145-11.19E	g	COOK07MV
1550 290301	0	DRRO	X	Rock dredge 23	OSU	15-01.83N	145-25.41E	g	COOK07MV
1929 290301	0	DRRO	B	Rock dredge 24	OSU	14-46.10N	145-06.19E	g	COOK07MV
2135 290301	0	DRRO	E	Rock dredge 24	OSU	15-05.95N	145-23.75E	g	COOK07MV
2327 290301	0	DRRO	B	Rock dredge 25	OSU	15-11.90N	145-24.65E	g	COOK07MV
0230 300301	0	DRRO	E	Rock dredge 25	OSU	15-11.74N	145-24.93E	g	COOK07MV
0522 300301	0	DRRO	B	Rock dredge 26	OSU	15-18.25N	145-26.75E	g	COOK07MV
0635 300301	0	DRRO	E	Rock dredge 26	OSU	15-18.38N	145-26.73E	g	COOK07MV
0744 300301	0	DRRO	B	Rock dredge 27	OSU	15-17.95N	145-26.75E	g	COOK07MV
0930 300301	0	DRRO	E	Rock dredge 27	OSU	15-17.98N	145-26.52E	g	COOK07MV
1312 300301	0	DRRO	B	Rock dredge 28	OSU	15-20.80N	145-22.09E	g	COOK07MV
1550 300301	0	DRRO	E	Rock dredge 28	OSU	15-20.80N	145-22.44E	g	COOK07MV
1808 300301	0	DRRO	B	Rock dredge 29	OSU	15-28.50N	145-27.20E	g	COOK07MV
2235 300301	0	DRRO	E	Rock dredge 29	OSU	15-31.48N	145-31.19E	g	COOK07MV
2335 300301	0	DRRO	B	Rock dredge 30	OSU	15-31.62N	145-30.79E	g	COOK07MV
0320 310301	0	DRRO	E	Rock dredge 30	OSU	15-31.60N	145-31.07E	g	COOK07MV
0755 310301	0	DRRO	B	Rock dredge 31	OSU	15-35.21N	145-34.85E	g	COOK07MV
0933 310301	0	DRRO	E	Rock dredge 31	OSU	15-35.45N	145-34.70E	g	COOK07MV

#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1222 310301	0	DRRO	B	Rock dredge 32	OSU	15-39.70N	145-36.35E	g	COOK07MV
1430 310301	0	DRRO	E	Rock dredge 32	OSU	15-39.93N	145-36.24E	g	COOK07MV
1623 310301	0	DRRO	B	Rock dredge 33	OSU	15-43.41N	145-36.88E	g	COOK07MV
1850 310301	0	DRRO	E	Rock dredge 33	OSU	15-43.60N	145-37.09E	g	COOK07MV
2042 310301	0	DRRO	B	Rock dredge 34	OSU	15-53.00N	145-44.00E	g	COOK07MV
2257 310301	0	DRRO	E	Rock dredge 34	OSU	15-53.16N	145-44.23E	g	COOK07MV
0524 010401	0	DRRO	B	Rock dredge 36	OSU	15-57.25N	145-42.00E	g	COOK07MV
0702 010401	0	DRRO	E	Rock dredge 36	OSU	15-57.42N	145-42.24E	g	COOK07MV
1024 010401	0	DRRO	B	Rock dredge 37	OSU	15-55.00N	145-35.60E	g	COOK07MV
1220 010401	0	DRRO	E	Rock dredge 37	OSU	15-55.15N	145-35.85E	g	COOK07MV
1525 010401	0	DRRO	B	Rock dredge 38	OSU	15-56.64N	145-31.21E	g	COOK07MV
1740 010401	0	DRRO	E	Rock dredge 38	OSU	15-56.74N	145-31.56E	g	COOK07MV
0023 020401	0	DRRO	B	Rock dredge 39	OSU	16-24.29N	145-47.38E	g	COOK07MV
0305 020401	0	DRRO	E	Rock dredge 39	OSU	16-24.55N	145-47.35E	g	COOK07MV
0603 020401	0	DRRO	B	Rock dredge 40	OSU	16-33.80N	145-47.00E	g	COOK07MV
0818 020401	0	DRRO	E	Rock dredge 40	OSU	16-34.06N	145-46.92E	g	COOK07MV
1025 020401	0	DRRO	B	Rock dredge 41	OSU	16-43.28N	145-43.23E	g	COOK07MV
1309 020401	0	DRRO	E	Rock dredge 41	OSU	16-43.52N	145-43.67E	g	COOK07MV
1629 020401	0	DRRO	B	Rock dredge 42	OSU	16-42.90N	145-35.50E	g	COOK07MV
1930 020401	0	DRRO	E	Rock dredge 42	OSU	16-43.26N	145-35.77E	g	COOK07MV
2350 020401	0	DRRO	B	Rock dredge 43	OSU	16-51.90N	145-46.66E	g	COOK07MV
0143 030401	0	DRRO	E	Rock dredge 43	OSU	16-52.00N	145-46.80E	g	COOK07MV
0618 030401	0	DRRO	B	Rock dredge 44	OSU	16-53.10N	145-40.00E	g	COOK07MV
0836 030401	0	DRRO	E	Rock dredge 44	OSU	16-53.30N	145-40.12E	g	COOK07MV
1000 030401	0	DRRO	B	Rock dredge 45	OSU	16-57.79N	145-43.49E	g	COOK07MV
1159 030401	0	DRRO	E	Rock dredge 45	OSU	16-58.08N	145-43.59E	g	COOK07MV
1527 030401	0	DRRO	B	Rock dredge 46	OSU	17-12.20N	145-35.00E	g	COOK07MV
1920 030401	0	DRRO	E	Rock dredge 46	OSU	17-12.39N	145-35.37E	g	COOK07MV
2045 030401	0	DRRO	B	Rock dredge 47	OSU	17-15.30N	145-33.50E	g	COOK07MV
2255 030401	0	DRRO	E	Rock dredge 47	OSU	17-15.52N	145-33.65E	g	COOK07MV
0048 040401	0	DRRO	B	Rock dredge 48	OSU	17-16.34N	145-37.54E	g	COOK07MV
0427 040401	0	DRRO	E	Rock dredge 48	OSU	17-16.64N	145-37.22E	g	COOK07MV
0604 040401	0	DRRO	B	Rock dredge 49	OSU	17-15.11N	145-42.07E	g	COOK07MV
0829 040401	0	DRRO	E	Rock dredge 49	OSU	17-15.31N	145-42.16E	g	COOK07MV
1104 040401	0	DRRO	B	Rock dredge 50	OSU	17-24.15N	145-51.57E	g	COOK07MV
1404 040401	0	DRRO	E	Rock dredge 50	OSU	17-24.31N	145-51.91E	g	COOK07MV
1553 040401	0	DRRO	B	Rock dredge 51	OSU	17-27.21N	145-47.95E	g	COOK07MV
1906 040401	0	DRRO	E	Rock dredge 51	OSU	17-27.40N	145-47.80E	g	COOK07MV
0100 050401	0	DRRO	B	Rock dredge 52	OSU	17-22.49N	145-17.57E	g	COOK07MV
0445 050401	0	DRRO	E	Rock dredge 52	OSU	17-22.64N	145-17.87E	g	COOK07MV
0645 050401	0	DRRO	B	Rock dredge 53	OSU	17-18.30N	145-18.19E	g	COOK07MV
1029 050401	0	DRRO	E	Rock dredge 53	OSU	17-18.44N	145-18.46E	g	COOK07MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1235	050401	0	DRRO	B	Rock dredge 54	OSU	17-13.84N	145-14.30E	g	COOK07MV
1645	050401	0	DRRO	E	Rock dredge 54	OSU	17-14.05N	145-14.65E	g	COOK07MV
1840	050401	0	DRRO	B	Rock dredge 55	OSU	17-17.75N	145-07.21E	g	COOK07MV
2220	050401	0	DRRO	E	Rock dredge 55	OSU	17-18.10N	145-07.40E	g	COOK07MV
2317	050401	0	DRRO	B	Rock dredge 56	OSU	17-17.59N	145-04.68E	g	COOK07MV
0345	060401	0	DRRO	E	Rock dredge 56	OSU	17-17.92N	145-05.02E	g	COOK07MV
0634	060401	0	DRRO	B	Rock dredge 57	OSU	17-16.20N	144-47.91E	g	COOK07MV
1112	060401	0	DRRO	E	Rock dredge 57	OSU	17-16.50N	144-48.20E	g	COOK07MV
1300	060401	0	DRRO	B	Rock dredge 58	OSU	17-12.60N	144-49.20E	g	COOK07MV
1724	060401	0	DRRO	E	Rock dredge 58	OSU	17-12.90N	144-49.50E	g	COOK07MV
0356	070401	0	DRRO	B	Rock dredge 59	OSU	15-57.50N	145-27.50E	g	COOK07MV
0634	070401	0	DRRO	E	Rock dredge 59	OSU	15-57.59N	145-27.23E	g	COOK07MV
0804	070401	0	DRRO	B	Rock dredge 60	OSU	15-53.40N	145-25.09E	g	COOK07MV
1108	070401	0	DRRO	E	Rock dredge 60	OSU	15-53.60N	145-24.90E	g	COOK07MV
1751	070401	0	DRRO	B	Rock dredge 61	OSU	15-01.70N	145-26.32E	g	COOK07MV
1954	070401	0	DRRO	E	Rock dredge 61	OSU	15-01.81N	145-26.39E	g	COOK07MV
2242	070401	0	DRRO	B	Rock dredge 62	OSU	14-52.29N	145-10.83E	g	COOK07MV
0045	080401	0	DRRO	E	Rock dredge 62	OSU	14-52.45N	145-10.92E	g	COOK07MV
0830	080401	0	DRRO	B	Rock dredge 63	OSU	14-20.79N	144-51.10E	g	COOK07MV
1158	080401	0	DRRO	E	Rock dredge 63	OSU	14-20.00N	144-51.23E	g	COOK07MV
1444	080401	0	DRRO	B	Rock dredge 64	OSU	14-17.30N	144-54.19E	g	COOK07MV
1650	080401	0	DRRO	E	Rock dredge 64	OSU	14-17.55N	144-54.54E	g	COOK07MV
1736	080401	0	DRRO	B	Rock dredge 65	OSU	14-16.21N	144-56.51E	g	COOK07MV
1954	080401	0	DRRO	E	Rock dredge 65	OSU	14-16.25N	144-56.70E	g	COOK07MV
2152	080401	0	DRRO	B	Rock dredge 66	OSU	14-18.96N	144-50.93E	g	COOK07MV
2351	080401	0	DRRO	E	Rock dredge 66	OSU	14-19.01N	144-51.10E	g	COOK07MV
0632	090401	0	DRRO	B	Rock dredge 67	OSU	14-16.00N	144-00.00E	g	COOK07MV
1127	090401	0	DRRO	E	Rock dredge 67	OSU	14-16.30N	144-00.30E	g	COOK07MV
1249	090401	0	DRRO	B	Rock dredge 68	OSU	14-10.20N	143-58.10E	g	COOK07MV
1634	090401	0	DRRO	E	Rock dredge 68	OSU	14-10.27N	143-58.43E	g	COOK07MV
2152	090401	0	DRRO	B	Rock dredge 69	OSU	14-02.57N	144-36.68E	g	COOK07MV
0136	100401	0	DRRO	E	Rock dredge 69	OSU	14-01.03N	144-40.78E	g	COOK07MV
0231	100401	0	DRRO	B	Rock dredge 70	OSU	14-01.01N	144-37.38E	g	COOK07MV
0448	100401	0	DRRO	E	Rock dredge 70	OSU	14-01.19N	144-37.61E	g	COOK07MV
0554	100401	0	DRRO	B	Rock dredge 71	OSU	13-56.50N	144-37.59E	g	COOK07MV
0938	100401	0	DRRO	E	Rock dredge 71	OSU	13-56.66N	144-37.81E	g	COOK07MV
1203	100401	0	DRRO	B	Rock dredge 72	OSU	13-46.90N	144-39.25E	g	COOK07MV
1420	100401	0	DRRO	E	Rock dredge 72	OSU	13-47.09N	144-39.48E	g	COOK07MV
1825	100401	0	DRRO	B	Rock dredge 73	OSU	13-42.61N	144-23.28E	g	COOK07MV
2151	100401	0	DRRO	E	Rock dredge 73	OSU	13-42.70N	144-22.97E	g	COOK07MV
2254	100401	0	DRRO	B	Rock dredge 74	OSU	13-38.05N	144-24.10E	g	COOK07MV
0107	110401	0	DRRO	E	Rock dredge 74	OSU	13-38.09N	144-24.34E	g	COOK07MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
0153	110401	0	DRRO	B	Rock dredge 75	OSU	13-37.80N	144-23.50E	g	COOK07MV
0405	110401	0	DRRO	E	Rock dredge 75	OSU	13-38.00N	144-23.70E	g	COOK07MV
1107	110401	0	DRRO	B	Rock dredge 76	OSU	13-22.10N	144-35.35E	g	COOK07MV
1341	110401	0	DRRO	E	Rock dredge 76	OSU	13-22.20N	144-35.60E	g	COOK07MV
1505	110401	0	DRRO	B	Rock dredge 77	OSU	13-23.80N	144-34.75E	g	COOK07MV
1729	110401	0	DRRO	E	Rock dredge 77	OSU	13-23.95N	144-35.00E	g	COOK07MV
#*** Glass/Wax Cores ***										
1146	240301	0	CORG		wax core 1	OSU	13-20.00N	143-45.00E	g	COOK07MV
1338	240301	0	CORG		wax core 1	OSU	13-20.00N	143-45.00E	g	COOK07MV
1514	240301	0	CORG		wax core 2	OSU	13-28.99N	143-47.99E	g	COOK07MV
1701	240301	0	CORG		wax core 2	OSU	13-29.00N	143-48.00E	g	COOK07MV
1830	240301	0	CORG		wax core 3	OSU	13-38.49N	143-51.99E	g	COOK07MV
1920	240301	0	CORG		wax core 3	OSU	13-38.50N	143-52.00E	g	COOK07MV
2152	240301	0	CORG		wax core 4	OSU	13-51.18N	143-54.87E	g	COOK07MV
2334	240301	0	CORG		wax core 4	OSU	13-51.20N	143-54.90E	g	COOK07MV
0150	250301	0	CORG		wax core 5	OSU	14-04.99N	143-57.01E	g	COOK07MV
0350	250301	0	CORG		wax core 5	OSU	14-05.00N	143-57.00E	g	COOK07MV
0546	250301	0	CORG		wax core 6	OSU	14-20.98N	144-03.39E	g	COOK07MV
0747	250301	0	CORG		wax core 6	OSU	14-21.06N	144-03.38E	g	COOK07MV
0836	250301	0	CORG		wax core 7	OSU	14-26.98N	144-05.96E	g	COOK07MV
1046	250301	0	CORG		wax core 7	OSU	14-27.00N	144-06.00E	g	COOK07MV
1148	250301	0	CORG		wax core 8	OSU	14-33.04N	144-06.28E	g	COOK07MV
1410	250301	0	CORG		wax core 8	OSU	14-33.00N	144-06.30E	g	COOK07MV
#*** Open Net ***										
0210	080401	0	ON1M	B	Oblique tow 300m	SIO	14-53.00N	145-08.76E	g	COOK07MV
0241	080401	0	ON1M	E	Oblique tow 300m	SIO	14-53.77N	145-09.05E	g	COOK07MV
#***					End Sample Index					COOK07MV

Report and Index of

Underway Marine Geophysical Data

Cook Expedition

Leg 7A

(COOK7AMV)

R/V Melville

(Issued May 2001)

Ports:
Apra, Guam (13 April 2001)
to
Naha, Okinawa (21 May 2001)

No Chief Scientist: Transit Leg
to shipyard in Guam
to Naha, Okinawa

Computer Tech - Marc Silver

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

GDC Cruise ID# 295

S.I.O. Sample Index

COOK Expedition

Leg 7A

(COOK7AMV)

R/V Melville

(Issued May 2001)

PORTS:

Apra, Guam (13 April 2001)
to
Naha, Okinawa (21 May 2001)

No Chief Scientist: Transit Leg
to shipyard in Guam
to Naha, Okinawa

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