Report and Index of

Underway Marine geophysical Data

Vancouver Expedition

Leg 09

(VANC09MV)

R/V Melville

(Issued Jul 2003)

Ports:
Cape Town, South Africa (23-MAR-03)
to
Cape Town, South Africa (02-MAY-03)

Chief Scientist: Niall Slowey
Texas A&M
slowey@ocean.amu.edu

Computer Tech - Dan Jacobson
Resident Tech - Tammy Baiz

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

STS Cruise ID#299

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. (Sections of track with seismic reflection data have a wide black line along the bottom of the profile.)

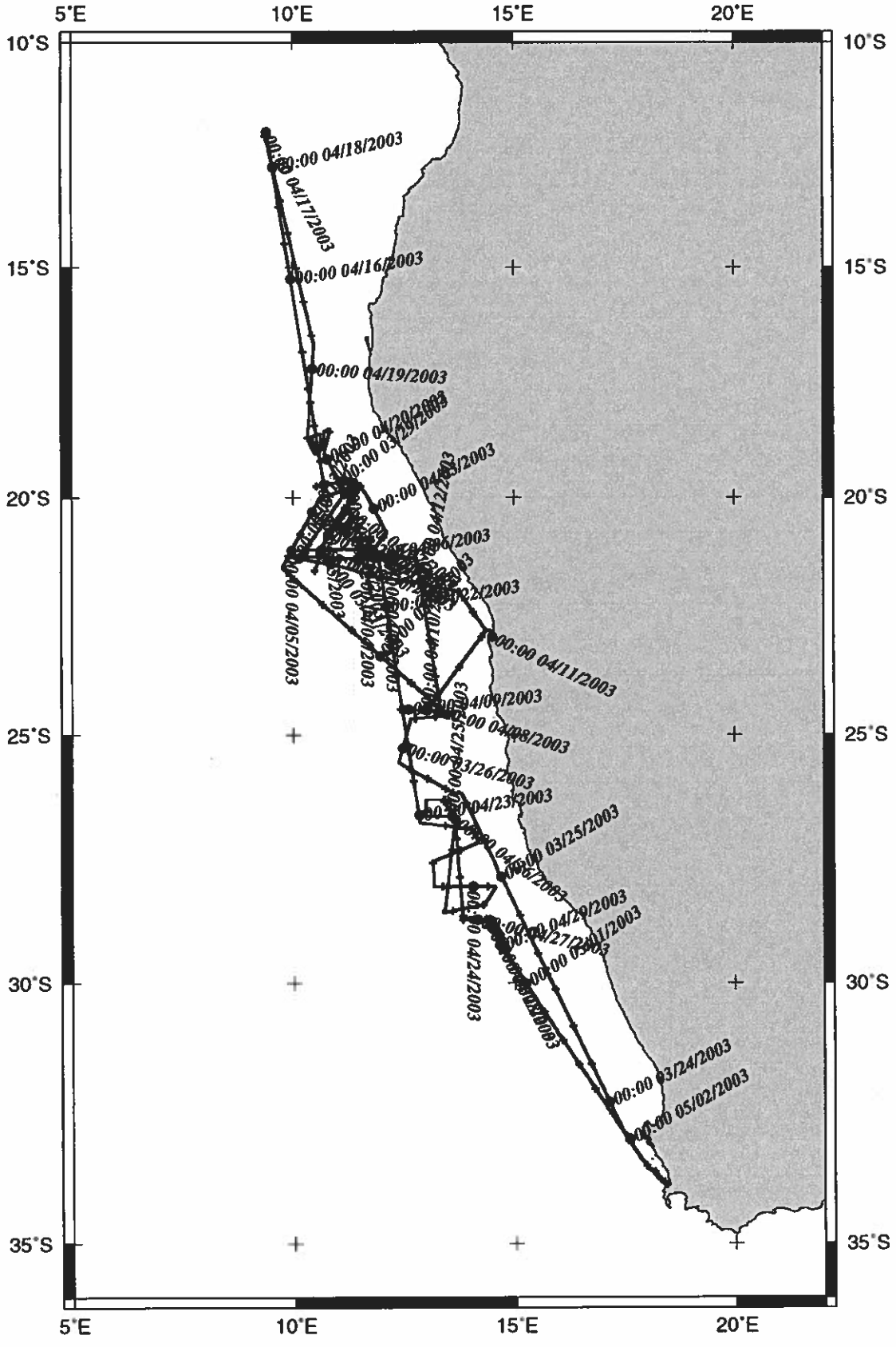
Sample Index - list of begin/end times and positions of all underway records as well as samples and measurements from other disciplines collected on the leg.

Note:
For information on the availability of this current digital data as well as archived digital data contact:

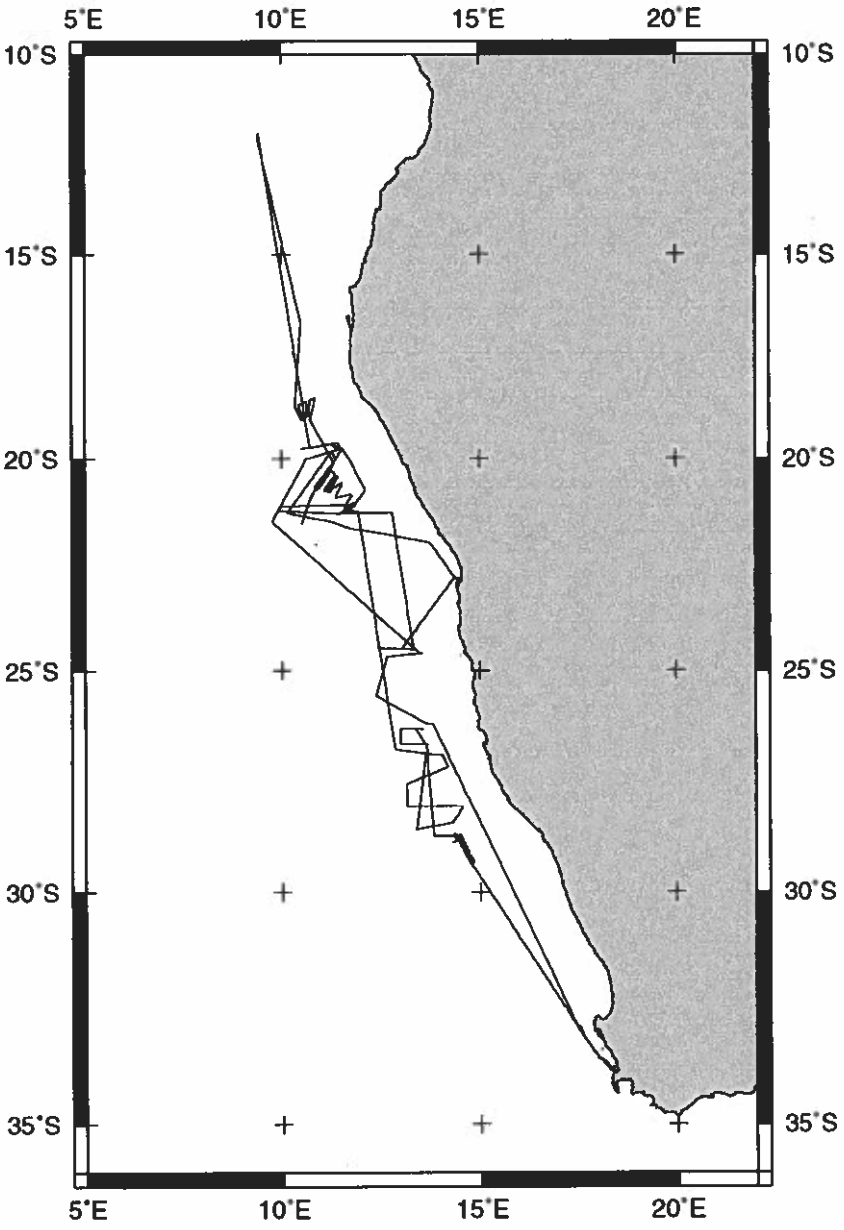
Stephen P. Miller
Geological Data Center
Scripps Institution of Oceanography
La Jolla, California 92093-0220
Phone: (858) 534-1898
Internet email: spmiller@ucsd.edu; or his website: http://SIOExplorer@ucsd.edu

Rev 05/2002

VANC09MV



GMT 2003 Jul 8 13:28:20 :Capetown - Capetown, South Africa 23 March - 02 May 2003:



VANCOUVER EXPEDITION LEG 9 (VANC09MV)

CHIEF SCIENTIST: Niall Slowey, Texas A&M University

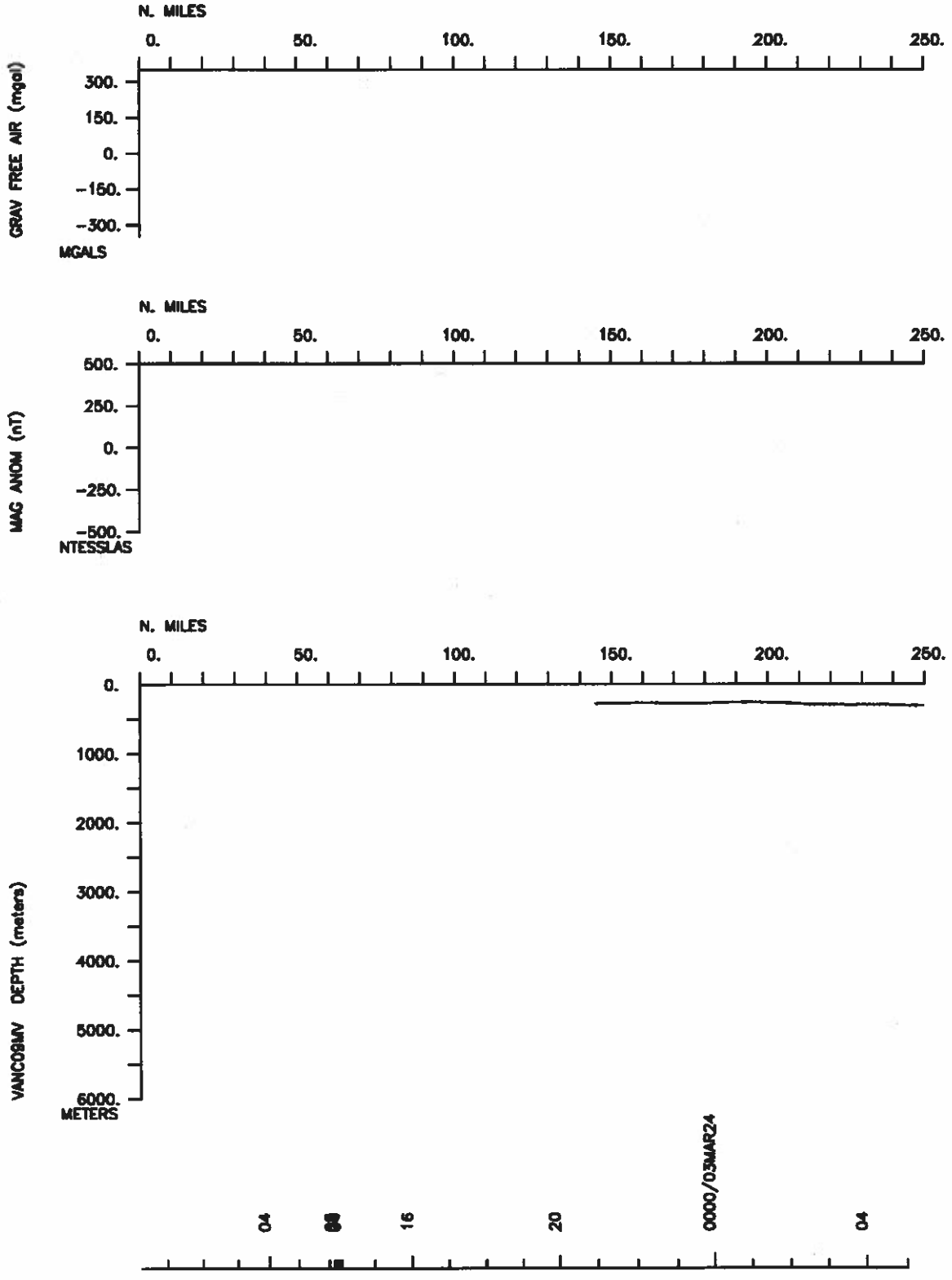
PORTS: Capetown - Capetown, South Africa

DATES: 23 March - 2 May 2003

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 5924 miles	**Magnetics-none collected**
Bathymetry - 4998 miles	**Seismic Reflection-none collected**
Multibeam - 4998 miles	**Gravity-collected but not processed**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50.
100.
150.
200.
250.
GRAV FREE AIR (mgal)
300.
150.
0.
-150.
-300.
MGALS
N. MILES
0.
50.
100.
150.
200.
250.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
0.
50.
100.
150.
200.
250.
VANC09MV DEPTH (meters)
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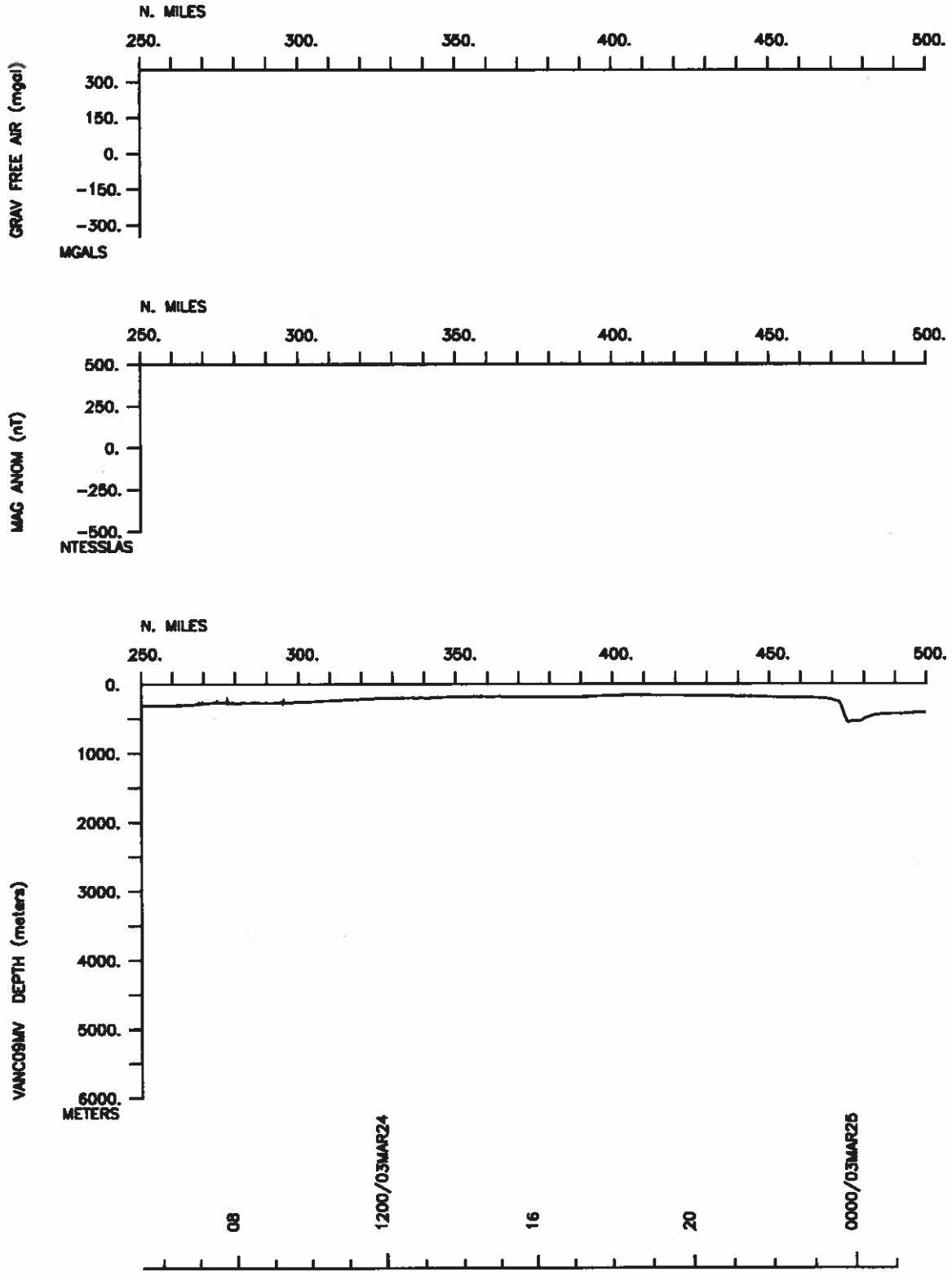
1000.
2000.
3000.
4000.
5000.
6000.
METERS
04
16
20
0000/03MAR24
04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500.
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150.
0.
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-300.
MGALS
N. MILES
250.
300.
350.
400.
450.
500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
250.
300.
350.
400.
450.
500.
VANC09MV DEPTH (meters)
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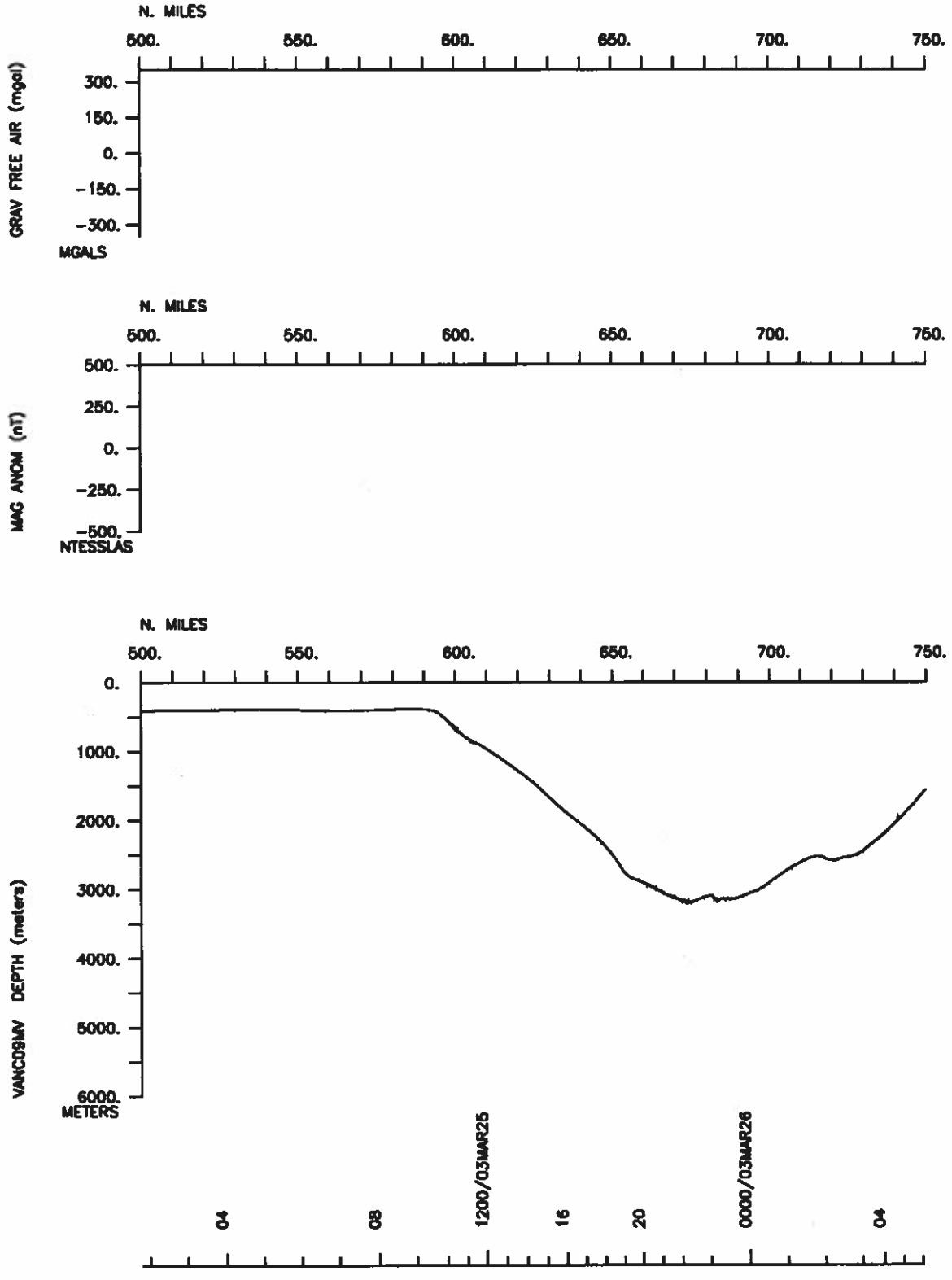
2000.
3000.
4000.
5000.
6000.
METERS
08
1200/03MAR24
16
20
0000/03MAR25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650.
700.
750.
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-300.
MGALS
N. MILES
500.
550.
600.
650.
700.
750.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
500.
550.
600.
650.
700.
750.
VANC09MV DEPTH (meters)
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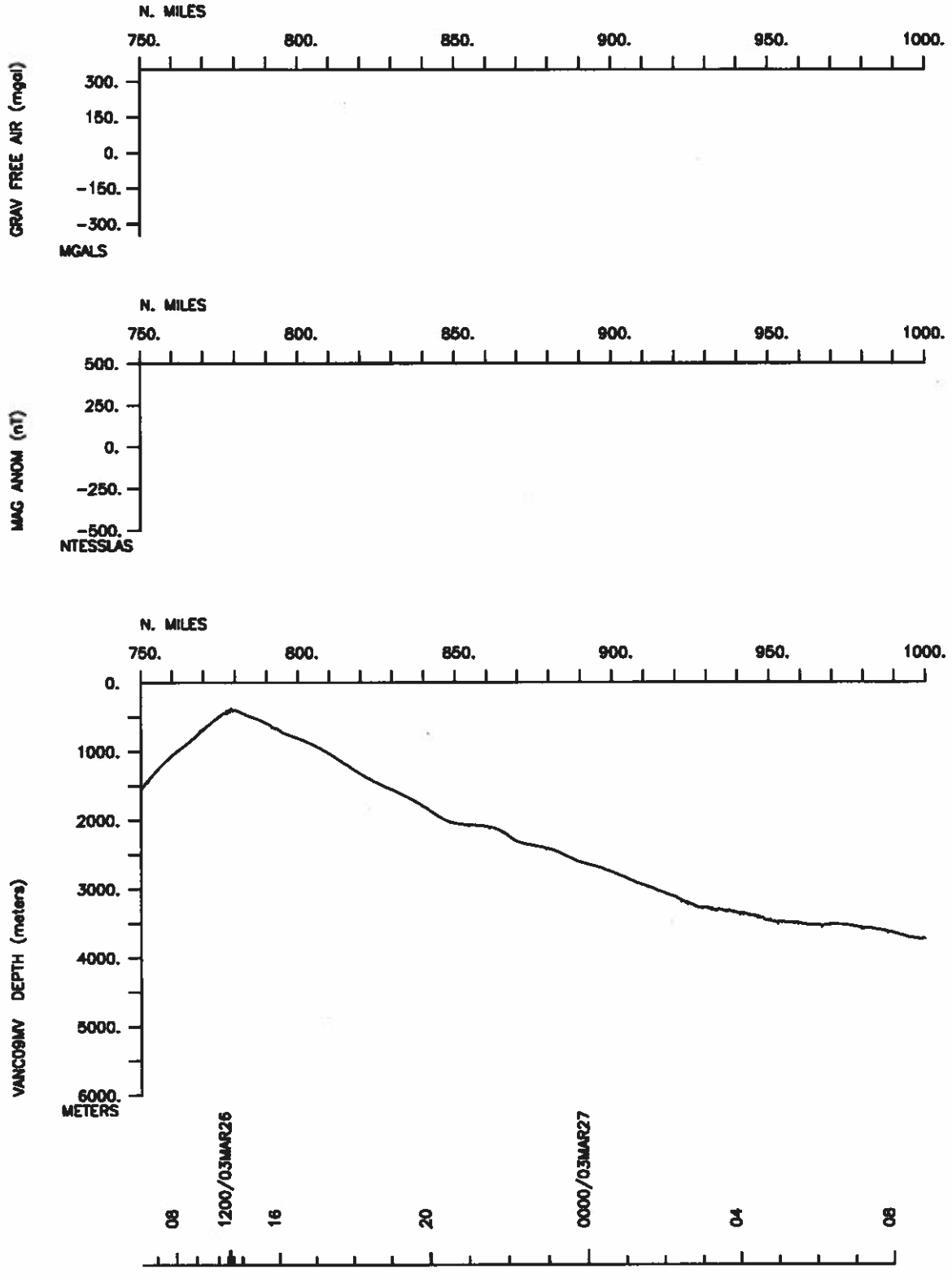
2000.
3000.
4000.
5000.
6000.
METERS
04
08
1200/03MAR25
16
20
0000/03MAR26
04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800.
850.
900.
950.
1000.
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150.
0.
-150.
-300.
MGALS
N. MILES
750.
800.
850.
900.
950.
1000.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
750.
800.
850.
900.
950.
1000.
VANC09MV DEPTH (meters)
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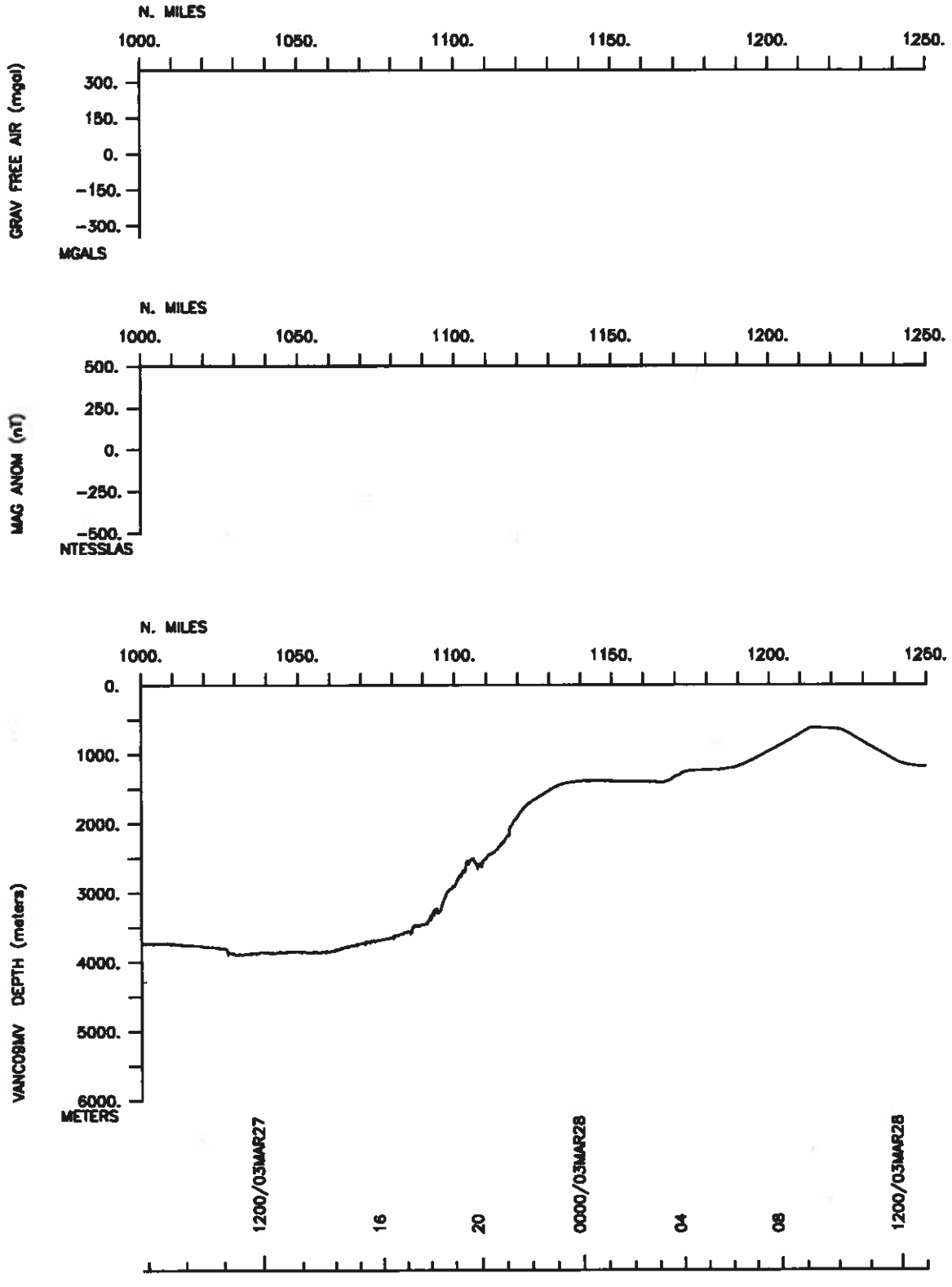
1000.
2000.
3000.
4000.
5000.
6000.
METERS
08
1200/03MAR26
16
20
0000/03MAR27
04
08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-300.
MGALS
N. MILES
1000.
1050.
1100.
1150.
1200.
1250.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
1000.
1050.
1100.
1150.
1200.
1250.
VANC09MV DEPTH (meters)
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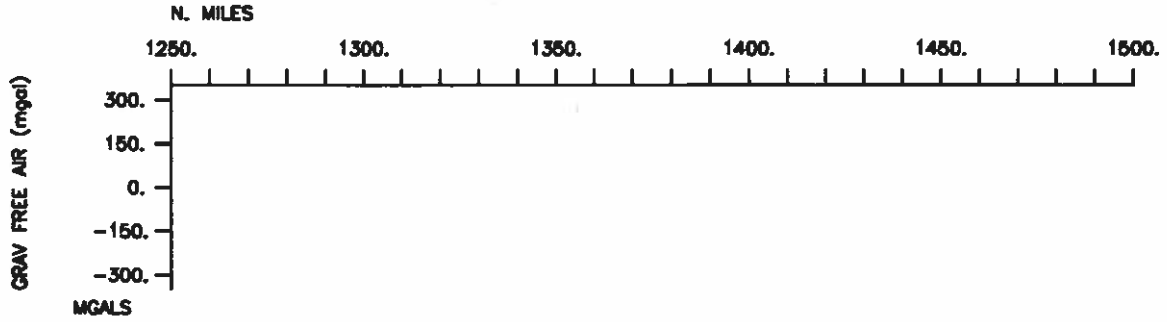
4000.
5000.
6000.
METERS
1200/03MAR27
16
20
0000/03MAR28
04
08
1200/03MAR28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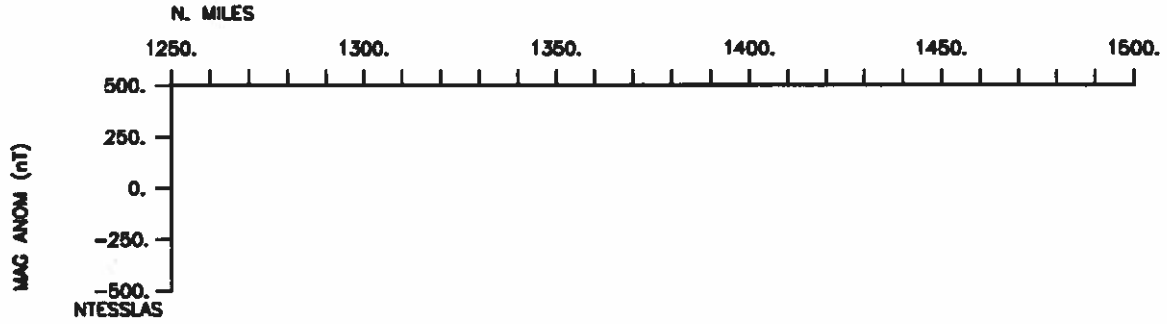
-300.
MGALS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1350.
1400.
1450.
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MAG ANOM (nT)
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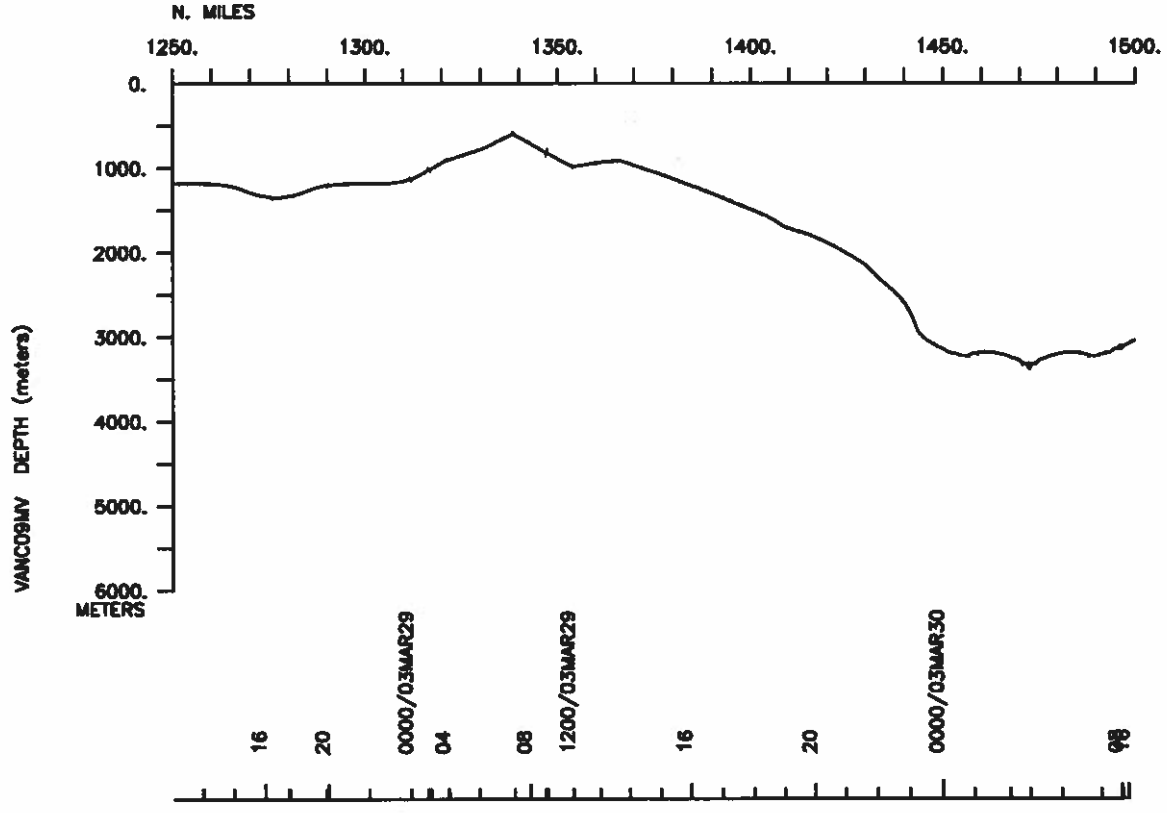
-500.
NTESSLAS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1400.
1450.
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VANC09MV DEPTH (meters)
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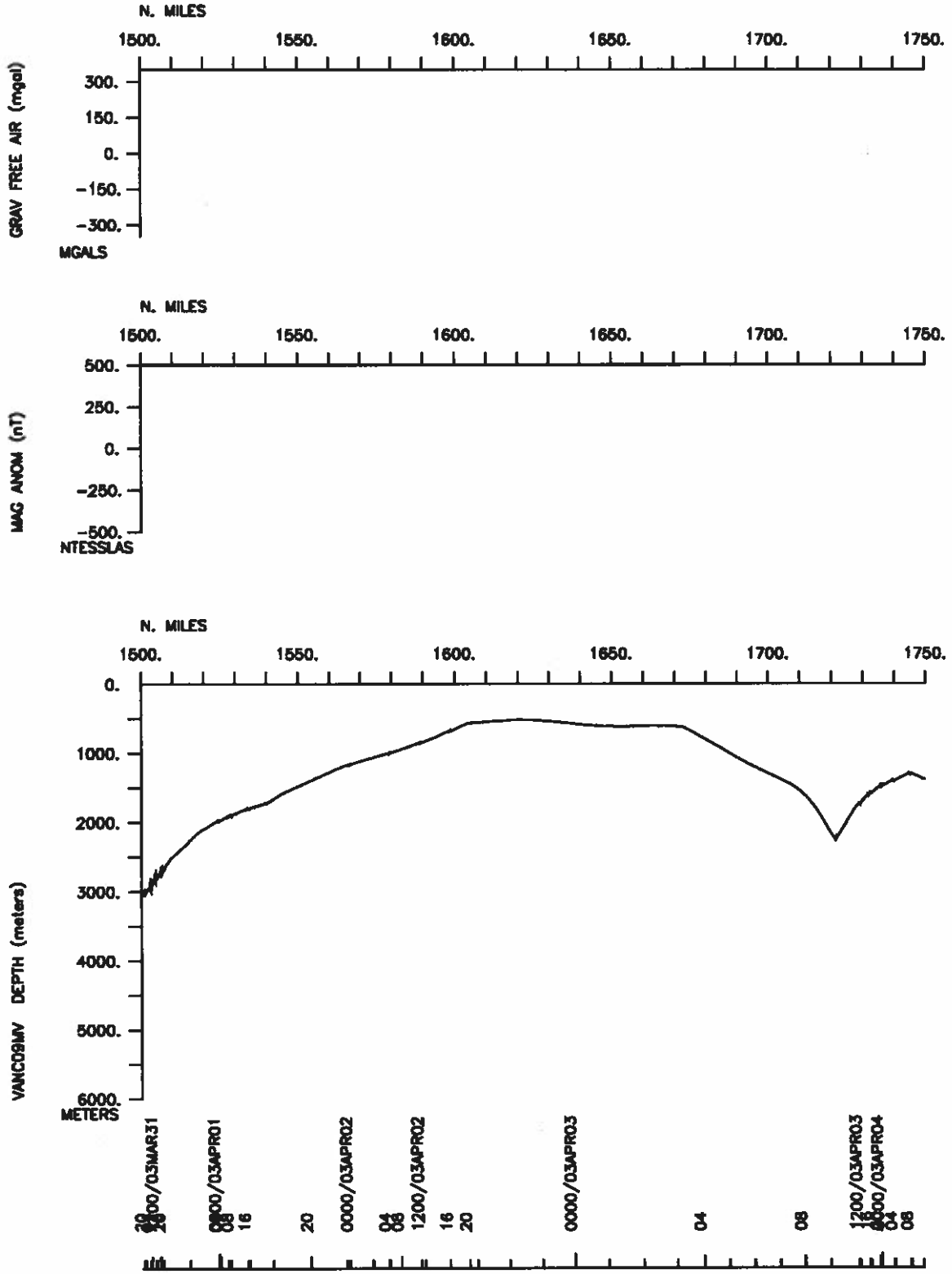
1000.
2000.
3000.
4000.
5000.
6000.
METERS
16
20
0000/03MAR29
04
08
1200/03MAR29
16
20
0000/03MAR30
08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1700.
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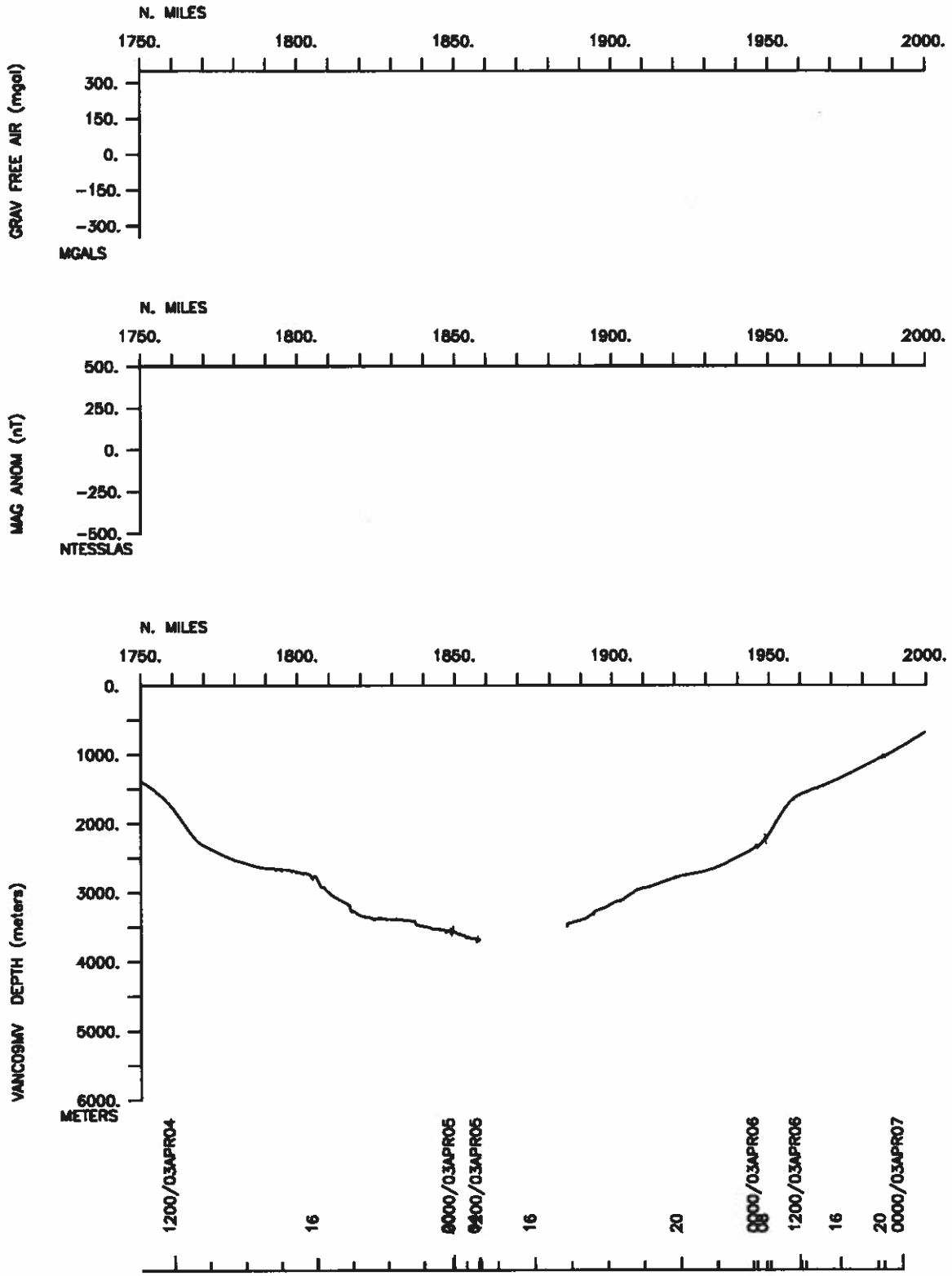
150.
0.
-150.
-300.
MGALS
N. MILES
1500.
1550.
1600.
1650.
1700.
1750.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
1500.
1550.
1600.
1650.
1700.
1750.
VANC09MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/03MAR31
0000/03APR01
0000/03APR02
1200/03APR02
0000/03APR03
1200/03APR03
0000/03APR04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1850.
1900.
1950.
2000.
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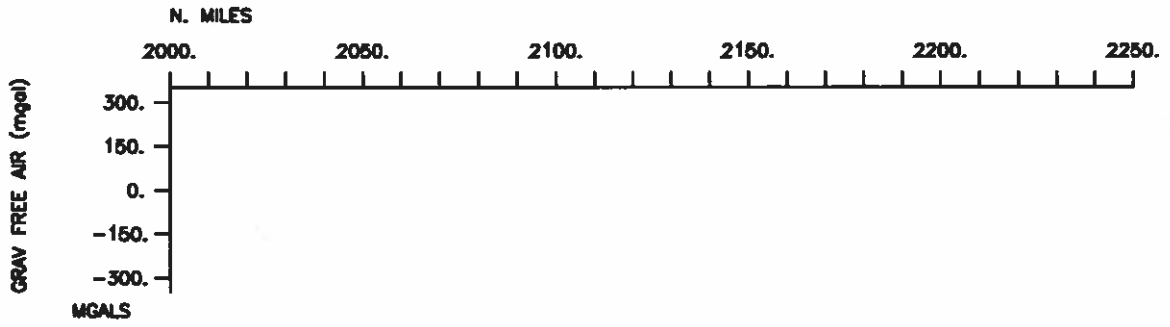
150.
0.
-150.
-300.
MGALS
N. MILES
1750.
1800.
1850.
1900.
1950.
2000.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
1750.
1800.
1850.
1900.
1950.
2000.
VANC09MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/03APR04
16
0000/03APR05
0400/03APR05
16
20
0000/03APR06
1200/03APR06
16
20
0000/03APR07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2100.
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2200.
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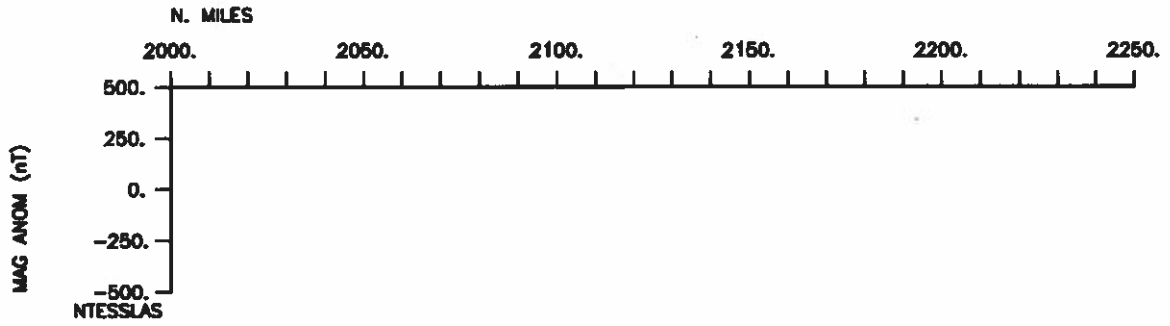
150.
0.
-150.
-300.
MGALS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2050.
2100.
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2200.
2250.
MAG ANOM (nT)
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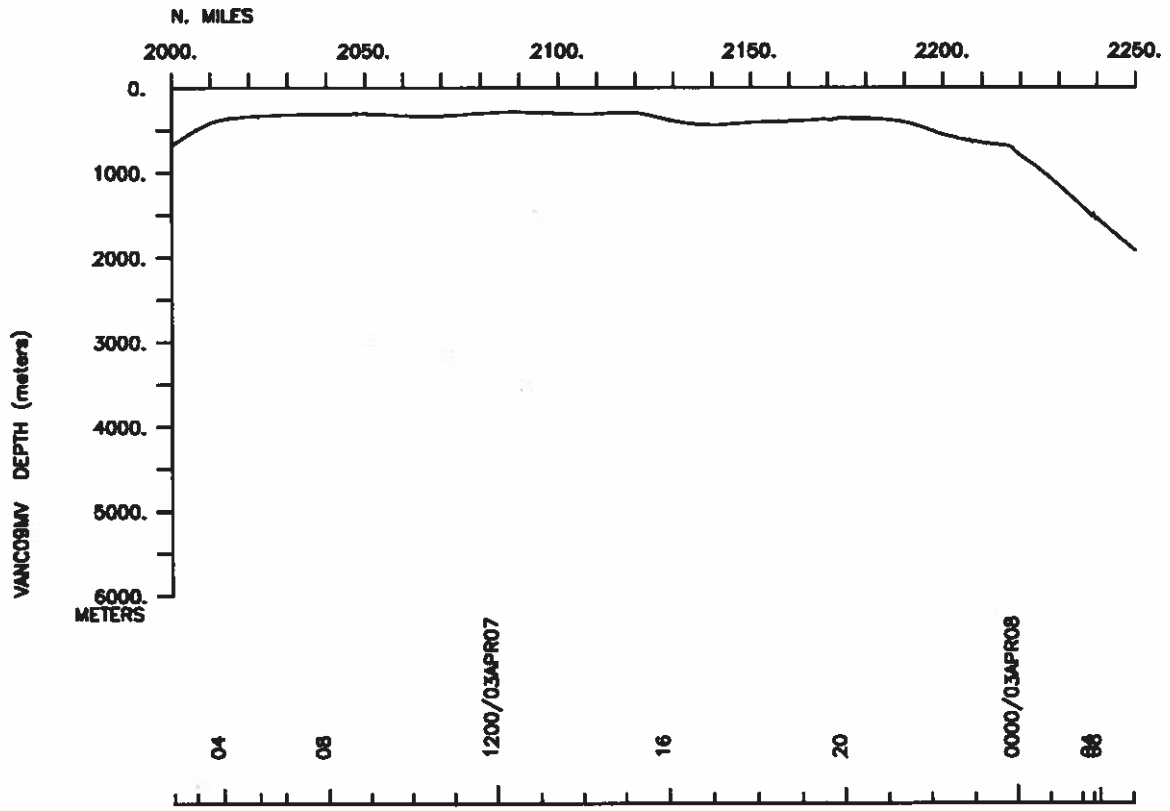
250.
0.
-250.
-500.
NTESSLAS


N. MILES
2000.
2050.
2100.
2150.
2200.
2250.
VANC09MV DEPTH (meters)
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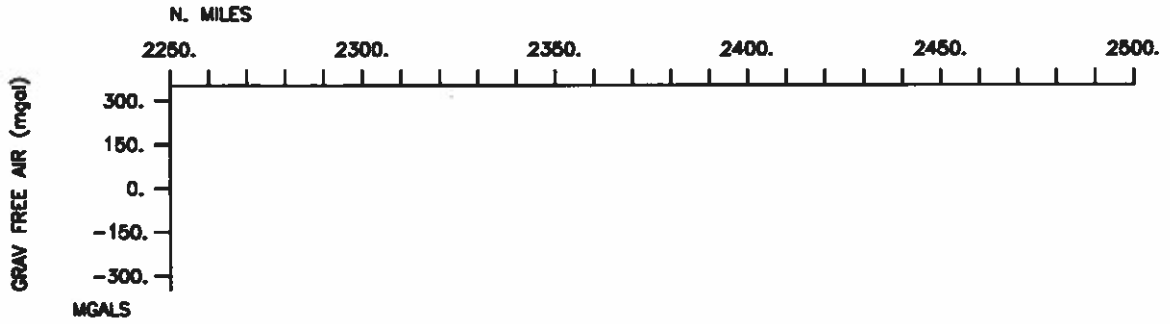
1000.
2000.
3000.
4000.
5000.
6000.
METERS
04
08
1200/03APR07
16
20
0000/03APR08
08


N. MILES
2250.
2300.
2350.
2400.
2450.
2500.
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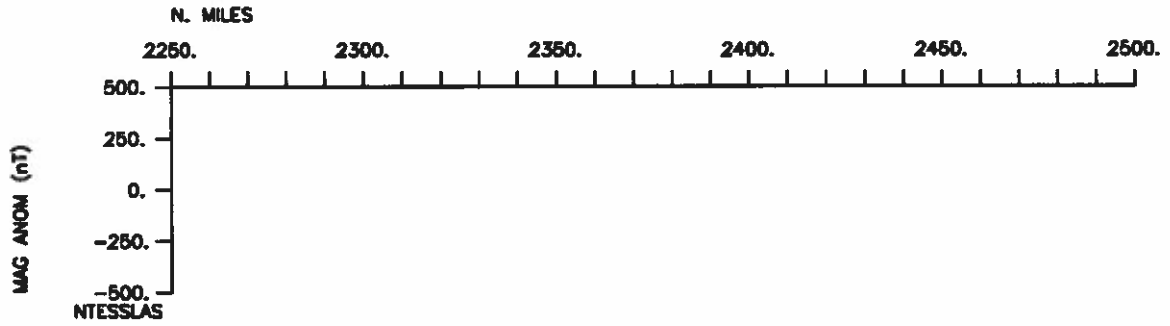
150.
0.
-150.
-300.
MGALS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2400.
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250.
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-250.
-500.
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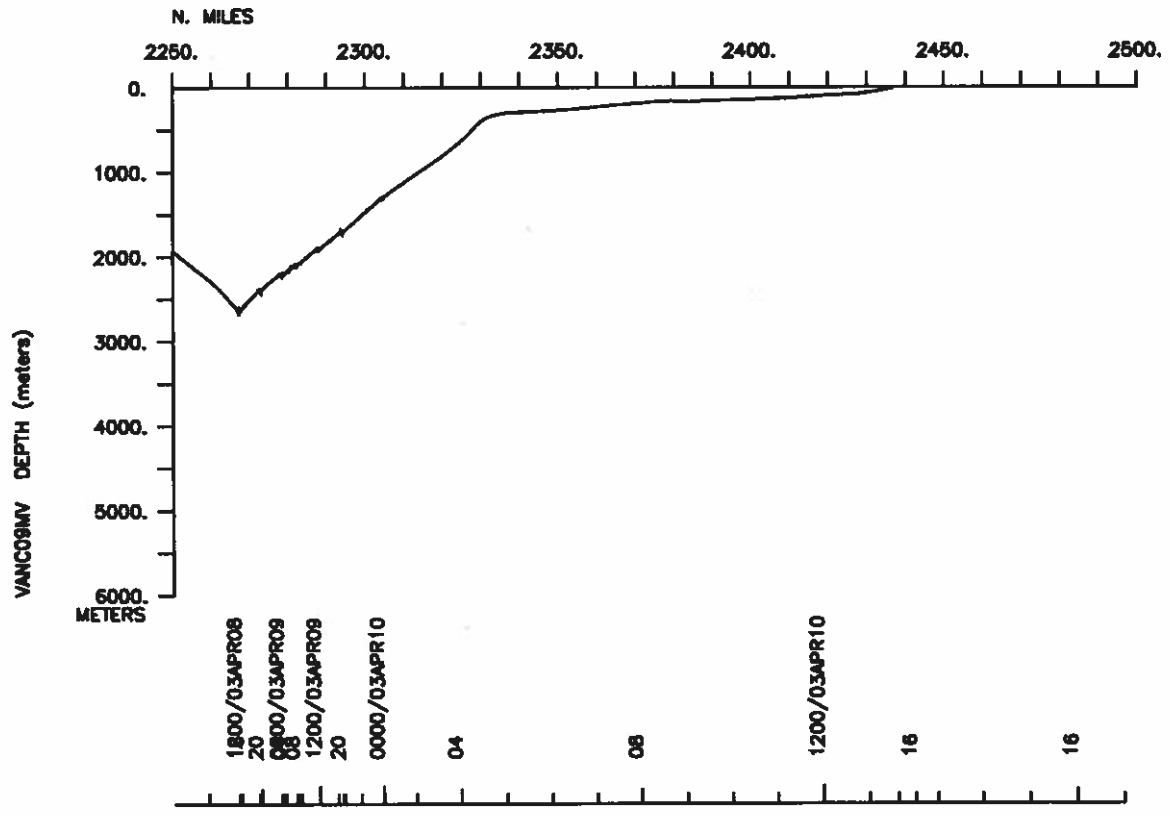
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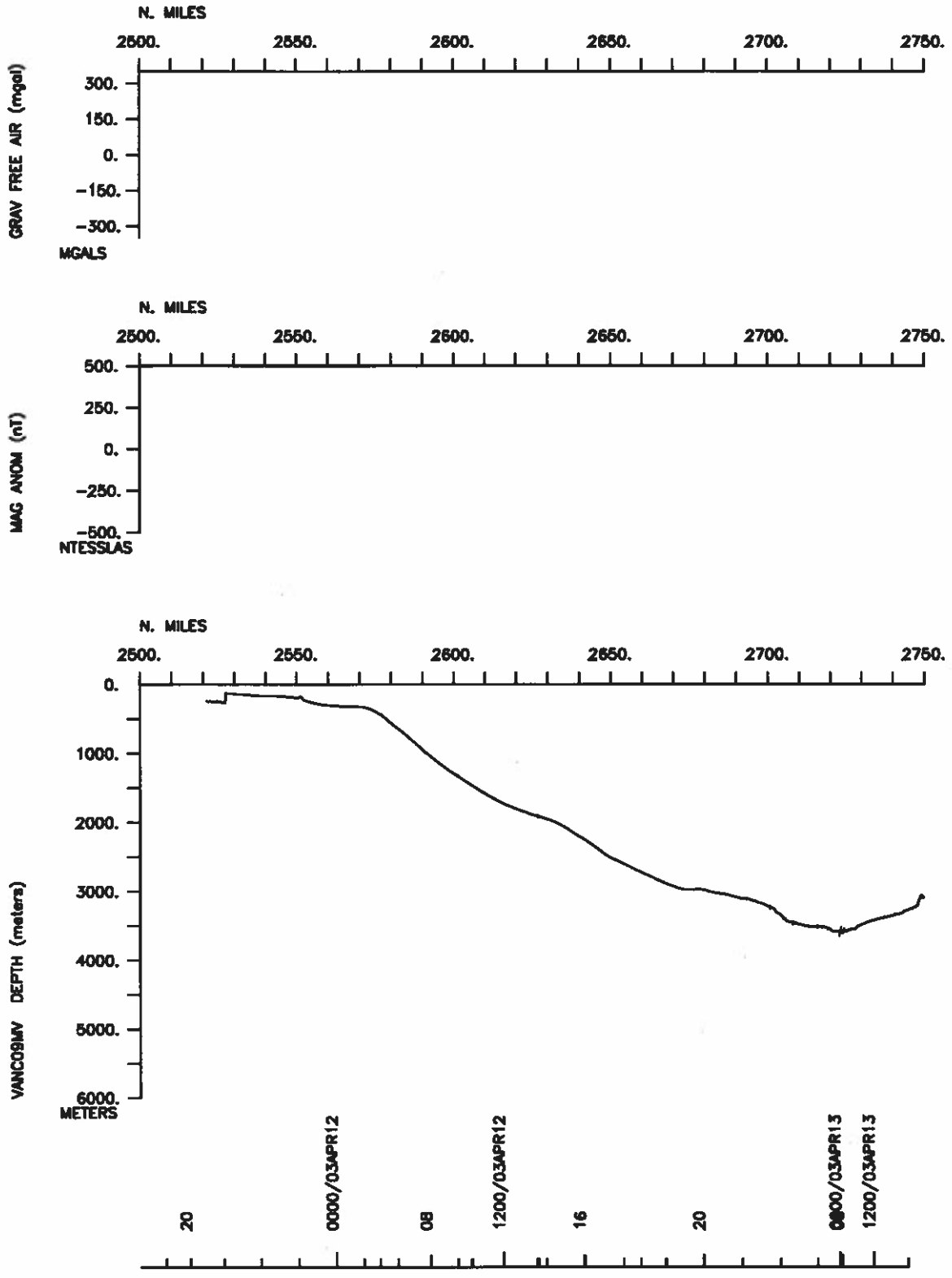
2300.
2350.
2400.
2450.
2500.
VANC09MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/03APR09
0000/03APR10
04
08
1200/03APR10
16
16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2600.
2650.
2700.
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GRAV FREE AIR (mgal)
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-150.
-300.
MGALS
N. MILES
2500.
2550.
2600.
2650.
2700.
2750.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
2500.
2550.
2600.
2650.
2700.
2750.
VANC09MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
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6000.
METERS
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08
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16
20
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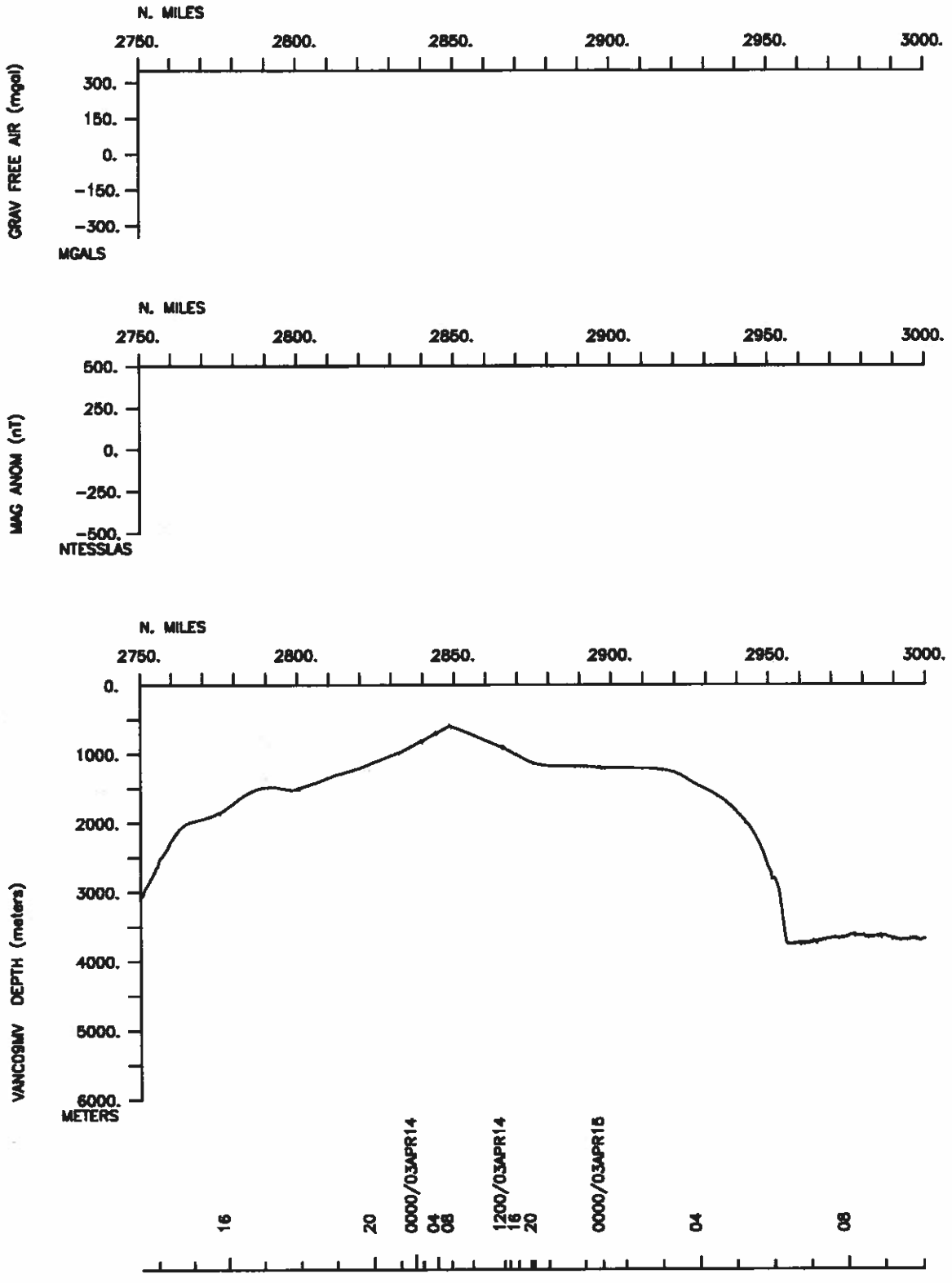
1200/03APR13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2950.
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GRAV FREE AIR (mgal)
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150.
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-150.
-300.
MGALS
N. MILES
2750.
2800.
2850.
2900.
2950.
3000.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
2750.
2800.
2850.
2900.
2950.
3000.
VANC09MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
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04
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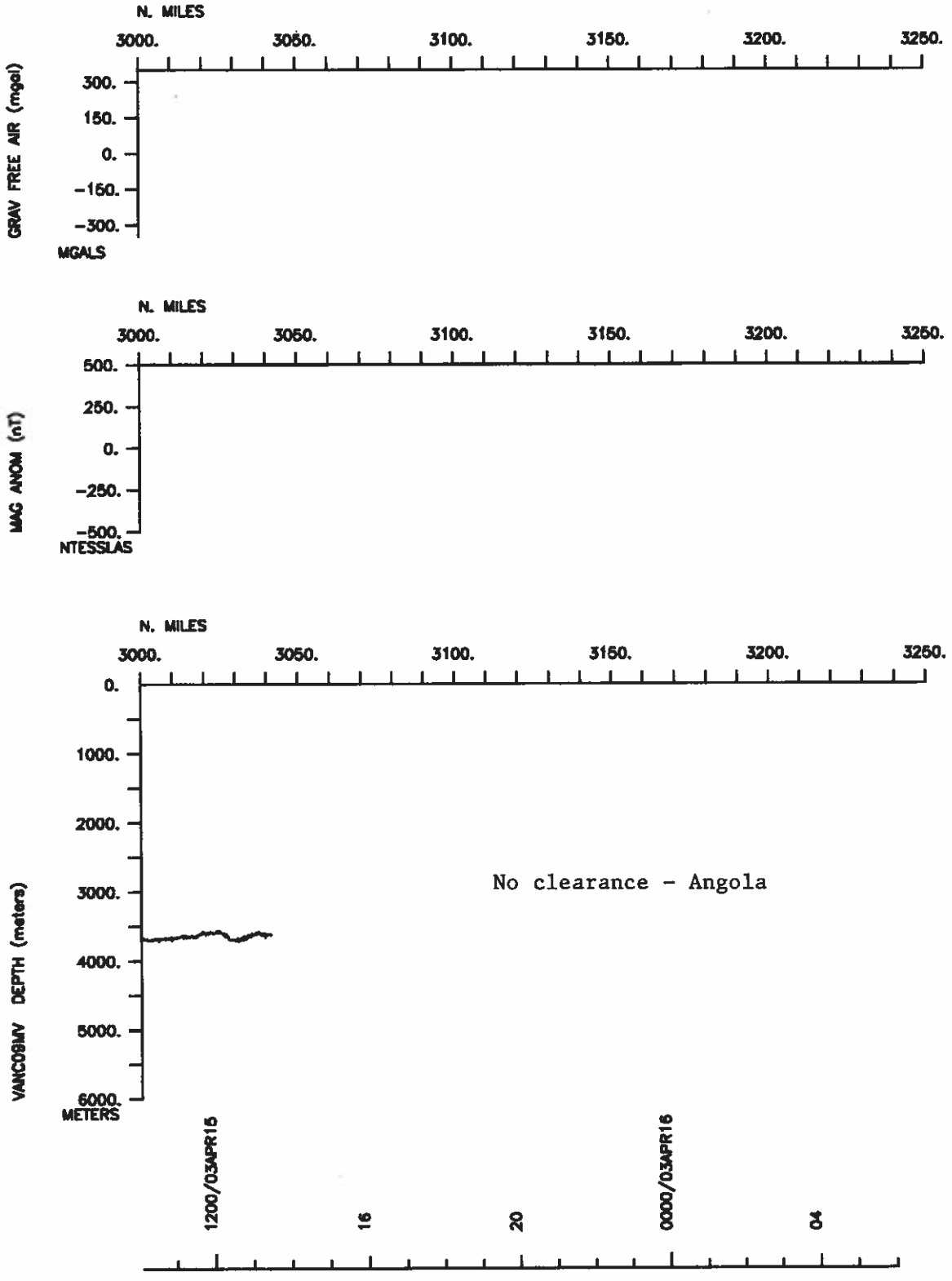
16
20
0000/03APR15
04
08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GRAV FREE AIR (mgal)
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0.
-150.
-300.
MGALS
N. MILES
3000.
3050.
3100.
3150.
3200.
3250.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
3000.
3050.
3100.
3150.
3200.
3250.
VANC09MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
No clearance - Angola
1200/03APR15
16
20
0000/03APR16
04

```
#*** Ports ***

1700 230303    LGPT B Cape Town S.Africa          33-55.01S  18-27.02E f VANC09MV
0821 020503    LGPT E Cape Town S.Africa          33-55.01S  18-27.02E f VANC09MV

1500 100403    LGUS B Walvis Bay, Namibia         22-57.00S  14-30.00E f VANC09MV
1500 110403    LGUS E Walvis Bay, Namibia         22-57.00S  14-30.00E f VANC09MV


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

PECS TAMU Slowey, N.           Chief Scientist    Texas A&M University VANC09MV
PESP GRD  Charles, C.          Scientist          Scripps Institution  VANC09MV
PEST TAMU Brookshire, B.       Grad student       Texas A&M University VANC09MV
PEST TAMU Cain, W.             Grad student       Texas A&M University VANC09MV
PEST TAMU Bayer, M.            Grad student       Texas A&M University VANC09MV
PEST TAMU Hilding-Kronforst,S  Grad student       Texas A&M University VANC09MV
PEST SIO  Mishonov, A.         Grad student       Scripps Institution  VANC09MV
PEST SIO  Munson, J            Grad student       Scripps Institution  VANC09MV
PEST SIO  Mumma, S.            Grad student       Scripps Institution  VANC09MV
PEST SIO  Watson, J.           Grad student       Scripps Institution  VANC09MV
PEST TAMU Rauschenberg, C.     Grad student       Texas A&M University VANC09MV
PEST TAMU Ravula, S.           Grad student       Texas A&M University VANC09MV
PEMT OSU  Kalk, P.             Technician         Oregon State Univ.   VANC09MV
PEMT WHOI Franks, E.           Technician         Woods Hole           VANC09MV
PECT STS  Jacobson, D.         Computer Tech      Scripps Institution  VANC09MV
PERT STS  Baiz, T              Resident Tech      Scripps Institution  VANC09MV
PERT STS  Ravenhill, G.        Resident Tech      Scripps Institution  VANC09MV


#*** 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) ***

1700 230403  0 MBSR B V.Beam & Sidescan    GDC  12-05.63S   9-23.42E g VANC09MV
0554 020503  0 MBSR E V.Beam & Sidescan    GDC  33-45.09S  18-11.48E g VANC09MV


#*** Echo Sounder Records ***

1700 230403  0 DPR3 B 3.5 khz r-01         GDC  12-05.63S   9-23.42E g VANC09MV
0554 020503  0 DPR3 E 3.5 khz r-01         GDC  33-45.09S  18-11.48E g VANC09MV


#*** Acoustic Doppler Current Profiler ***

1700 230403  0 ADCP B 300khz Current meas. GDC  12-05.63S   9-23.42E g VANC09MV
0554 020503  0 ADCP E 300khz Current meas. GDC  33-45.09S  18-11.48E g VANC09MV
```

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
#*** Gravity Cores ***										
1845	280303	0	COGV		MEL-VAN-09-002	1288 TAMU	19-43.34S	10-42.71E	g	VANC09MV
2015	280303	0	COGV		MEL-VAN-09-003	1370 TAMU	19-43.34S	10-42.71E	g	VANC09MV
2340	280303	0	COGV		MEL-VAN-09-004	1134 TAMU	19-39.52S	11-05.44E	g	VANC09MV
0141	290303	0	COGV		MEL-VAN-09-005	1020 TAMU	19-38.70S	11-10.32E	g	VANC09MV
0324	290303	0	COGV		MEL-VAN-09-006	908 TAMU	19-37.92S	11-14.95E	g	VANC09MV
0627	290303	0	COGV		MEL-VAN-09-007	600 TAMU	19-44.77S	11-30.81E	g	VANC09MV
0756	290303	0	COGV		MEL-VAN-09-008	702 TAMU	19-45.90S	11-26.82E	g	VANC09MV
0930	290303	0	COGV		MEL-VAN-09-009	820 TAMU	19-47.53S	11-22.50E	g	VANC09MV
1132	290303	0	COGV		MEL-VAN-09-010	980 TAMU	19-49.10S	11-15.50E	g	VANC09MV
0339	300303	0	COGV		MEL-VAN-09-011	347 TAMU	21-33.11S	10-29.99E	g	VANC09MV
0835	300303	0	COGV		MEL-VAN-09-012	3130 TAMU	21-10.89S	10-38.26E	g	VANC09MV
1753	300303	0	COGV		MEL-VAN-09-014	3028 TAMU	21-07.28S	10-39.60E	g	VANC09MV
0134	310303	0	COGV		MEL-VAN-09-016	2944 TAMU	21-05.94S	10-40.10E	g	VANC09MV
0931	310303	0	COGV		MEL-VAN-09-018	2809 TAMU	21-04.81S	10-40.52E	g	VANC09MV
1715	310303	0	COGV		MEL-VAN-09-020	2702 TAMU	21-03.81S	10-40.90E	g	VANC09MV
0040	010403	0	COGV		MEL-VAN-09-022	1979 TAMU	20-47.86S	10-48.49E	g	VANC09MV
0701	010403	0	COGV		MEL-VAN-09-022	1903 TAMU	20-45.35S	10-50.26E	g	VANC09MV
1336	010403	0	COGV		MEL-VAN-09-026	1810 TAMU	20-41.19S	10-53.19E	g	VANC09MV
0304	020403	0	COGV		MEL-VAN-09-030	1008 TAMU	20-05.00S	11-18.68E	g	VANC09MV
0910	020403	0	COGV		MEL-VAN-09-032	850 TAMU	19-56.79S	11-24.45E	g	VANC09MV
1420	020403	0	COGV		MEL-VAN-09-034	685 TAMU	19-49.48S	11-29.38E	g	VANC09MV
1817	020403	0	COGV		MEL-VAN-09-036	578 TAMU	19-45.27S	11-32.56E	g	VANC09MV
1045	030403	0	COGV		MEL-VAN-09-038	1737 TAMU	21-13.51S	11-36.32E	g	VANC09MV
1536	030403	0	COGV		MEL-VAN-09-040	1603 TAMU	21-12.01S	11-38.71E	g	VANC09MV
2031	030403	0	COGV		MEL-VAN-09-042	1501 TAMU	21-10.54S	11-41.15E	g	VANC09MV
0130	040403	0	COGV		MEL-VAN-09-044	1402 TAMU	21-08.35S	11-44.50E	g	VANC09MV
0628	040403	0	COGV		MEL-VAN-09-046	1301 TAMU	21-05.71S	11-48.67E	g	VANC09MV
2256	050403	0	COGV		MEL-VAN-09-051	2344 TAMU	21-18.52S	11-28.10E	g	VANC09MV
0541	060403	0	COGV		MEL-VAN-09-053	2224 TAMU	21-17.23S	11-30.35E	g	VANC09MV
1949	060403	0	COGV		MEL-VAN-09-057	1044 TAMU	21-17.24S	12-10.00E	g	VANC09MV
0304	080403	0	COGV		MEL-VAN-09-061	1501 TAMU	24-29.10S	12-56.71E	g	VANC09MV
1135	080403	0	COGV		MEL-VAN-09-063	2646 TAMU	24-28.00S	12-26.00E	g	VANC09MV
1803	080403	0	COGV		MEL-VAN-09-065	2406 TAMU	24-28.18S	12-31.00E	g	VANC09MV
2348	080403	0	COGV		MEL-VAN-09-067	2205 TAMU	24-28.39S	12-36.57E	g	VANC09MV
0627	090403	0	COGV		MEL-VAN-09-069	2096 TAMU	24-28.51S	12-39.73E	g	VANC09MV
1226	090403	0	COGV		MEL-VAN-09-071	1903 TAMU	24-28.72S	12-45.52E	g	VANC09MV
1750	090403	0	COGV		MEL-VAN-09-073	1701 TAMU	24-28.94S	12-51.30E	g	VANC09MV
0108	240403	0	COGV		MEL-VAN-09-100	1346 TAMU	28-05.01S	14-04.83E	g	VANC09MV
1014	250403	0	COGV		MEL-VAN-09-101	1052 TAMU	26-20.00S	13-27.45E	g	VANC09MV
1148	250403	0	COGV		MEL-VAN-09-102	1126 TAMU	26-20.00S	13-25.85E	g	VANC09MV
1650	250403	0	COGV		MEL-VAN-09-104	1208 TAMU	26-20.00S	13-23.01E	g	VANC09MV
2310	250403	0	COGV		MEL-VAN-09-106	710 TAMU	26-43.81S	13-39.52E	g	VANC09MV
0114	260403	0	COGV		MEL-VAN-09-107	814 TAMU	26-48.29S	13-39.73E	g	VANC09MV
1308	260403	0	COGV		MEL-VAN-09-108	1983 TAMU	28-45.00S	13-50.00E	g	VANC09MV
1507	260403	0	COGV		MEL-VAN-09-109	2014 TAMU	28-45.00S	13-50.00E	g	VANC09MV
1825	260403	0	COGV		MEL-VAN-09-110	1483 TAMU	28-33.75S	13-49.00E	g	VANC09MV
2247	260403	0	COGV		MEL-VAN-09-112	1061 TAMU	28-45.00S	14-09.00E	g	VANC09MV
0303	270403	0	COGV		MEL-VAN-09-114	547 TAMU	28-45.00S	14-20.00E	g	VANC09MV
0552	270403	0	COGV		MEL-VAN-09-116	391 TAMU	28-45.00S	14-24.00E	g	VANC09MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
#*** Piston Cores ***										
1211	300303	0	COPS		MEL-VAN-09-013	3101	TAMU 21-10.89S	10-38.26E	g	VANC09MV
2107	300303	0	COPS		MEL-VAN-09-015	2997	TAMU 21-07.28S	10-39.61E	g	VANC09MV
0511	310303	0	COPS		MEL-VAN-09-017	2928	TAMU 21-05.94S	10-40.10E	g	VANC09MV
1233	310303	0	COPS		MEL-VAN-09-019	2791	TAMU 21-04.81S	10-40.52E	g	VANC09MV
1941	310303	0	COPS		MEL-VAN-09-021	2681	TAMU 21-03.82S	10-40.90E	g	VANC09MV
0310	010403	0	COPS		MEL-VAN-09-023	1959	TAMU 20-47.85S	10-48.49E	g	VANC09MV
0925	010403	0	COPS		MEL-VAN-09-025	1880	TAMU 20-45.35S	10-50.26E	g	VANC09MV
1620	010403	0	COPS		MEL-VAN-09-027	1780	TAMU 20-41.19S	10-53.19E	g	VANC09MV
2305	010403	0	COPS		MEL-VAN-09-029	1143	TAMU 20-15.79S	11-13.61E	g	VANC09MV
0507	020403	0	COPS		MEL-VAN-09-033	984	TAMU 20-04.99S	11-18.69E	g	VANC09MV
1105	020403	0	COPS		MEL-VAN-09-033	827	TAMU 19-56.80S	11-24.46E	g	VANC09MV
1525	020403	0	COPS		MEL-VAN-09-035	661	TAMU 19-49.48S	11-29.38E	g	VANC09MV
1924	020403	0	COPS		MEL-VAN-09-037	567	TAMU 19-45.27S	11-32.56E	g	VANC09MV
1233	030403	0	COPS		MEL-VAN-09-039	1718	TAMU 21-13.51S	11-36.32E	g	VANC09MV
1735	030403	0	COPS		MEL-VAN-09-041	1579	TAMU 21-12.01S	11-38.70E	g	VANC09MV
2158	030403	0	COPS		MEL-VAN-09-043	1478	TAMU 21-10.55S	11-41.15E	g	VANC09MV
0316	040403	0	COPS		MEL-VAN-09-045	1382	TAMU 21-08.35S	11-44.50E	g	VANC09MV
0806	040403	0	COPS		MEL-VAN-09-047	1279	TAMU 21-05.71S	11-48.67E	g	VANC09MV
2153	040403	0	COPS		MEL-VAN-09-048	3569	TAMU 21-07.66S	9-57.96E	g	VANC09MV
0430	050403	0	COPS		MEL-VAN-09-049	3677	TAMU 21-14.38S	9-54.07E	g	VANC09MV
0133	060403	0	COPS		MEL-VAN-09-052	2326	TAMU 21-18.52S	11-28.09E	g	VANC09MV
0831	060403	0	COPS		MEL-VAN-09-054	2202	TAMU 21-17.24S	11-30.35E	g	VANC09MV
2106	060403	0	COPS		MEL-VAN-09-058	1037	TAMU 21-17.24S	12-10.00E	g	VANC09MV
0450	080403	0	COPS		MEL-VAN-09-062	1481	TAMU 24-29.10S	12-56.71E	g	VANC09MV
1419	080403	0	COPS		MEL-VAN-09-064	2617	TAMU 24-28.00S	12-26.00E	g	VANC09MV
1803	080403	0	COPS		MEL-VAN-09-065	2406	TAMU 24-28.18S	12-31.00E	g	VANC09MV
2013	080403	0	COPS		MEL-VAN-09-066	2384	TAMU 24-28.18S	12-31.00E	g	VANC09MV
0211	090403	0	COPS		MEL-VAN-09-068	2179	TAMU 24-28.39S	12-36.57E	g	VANC09MV
0846	090403	0	COPS		MEL-VAN-09-070	2072	TAMU 24-28.51S	12-39.72E	g	VANC09MV
1433	090403	0	COPS		MEL-VAN-09-072	1880	TAMU 24-28.72S	12-45.52E	g	VANC09MV
1934	090403	0	COPS		MEL-VAN-09-074	1677	TAMU 24-28.94S	12-51.30E	g	VANC09MV
0051	100403	0	COPS		MEL-VAN-09-075	1283	TAMU 24-29.33S	13-02.01E	g	VANC09MV
2134	130403	0	COPS		MEL-VAN-09-087	962	TAMU 19-49.09S	11-15.50E	g	VANC09MV
0107	140403	0	COPS		MEL-VAN-09-088	794	TAMU 19-47.53S	11-22.50E	g	VANC09MV
0417	140403	0	COPS		MEL-VAN-09-089	679	TAMU 19-45.90S	11-26.82E	g	VANC09MV
0725	140403	0	COPS		MEL-VAN-09-090	579	TAMU 19-44.77S	11-30.80E	g	VANC09MV
1140	140403	0	COPS		MEL-VAN-09-091	885	TAMU 19-37.92S	11-14.95E	g	VANC09MV
1505	140403	0	COPS		MEL-VAN-09-092	1001	TAMU 19-38.70S	11-10.33E	g	VANC09MV
1825	140403	0	COPS		MEL-VAN-09-093	1111	TAMU 19-39.52S	11-05.44E	g	VANC09MV
2323	140403	0	COPS		MEL-VAN-09-094	1186	TAMU 19-43.34S	10-42.71E	g	VANC09MV
1018	200403	0	COPS		MEL-VAN-09-099	1186	TAMU 20-13.50S	11-11.22E	g	VANC09MV
1345	250403	0	COPS		MEL-VAN-09-103	1081	TAMU 26-20.00S	13-25.85E	g	VANC09MV
1805	250403	0	COPS		MEL-VAN-09-105	1183	TAMU 26-20.00S	13-23.02E	g	VANC09MV
1211	300303	0	COPG		MEL-VAN-09-013	3101	TAMU 21-10.89S	10-38.26E	g	VANC09MV
0511	310303	0	COPG		MEL-VAN-09-017	2928	TAMU 21-05.94S	10-40.10E	g	VANC09MV
2153	040403	0	COPG		MEL-VAN-09-048	3569	TAMU 21-07.66S	9-57.96E	g	VANC09MV
0430	050403	0	COPG		MEL-VAN-09-049	3677	TAMU 21-14.38S	9-54.07E	g	VANC09MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
#*** Temperature, Depth, Conductivity ***										
1202	260303	0	TDCT	B	MEL-VAN-09-001	500	TAMU	24-36.05S 13-31.08E	g	VANC09MV
1236	260303	0	TDCT	E	N C PQG		TAMU	24-35.98S 13-31.41E	g	VANC09MV
1914	110403	0	TDCT	B	MEL-VAN-09-076	101	TAMU	22-00.00S 13-45.00E	g	VANC09MV
1941	110403	0	TDCT	E	N C PQG		TAMU	22-00.00S 13-45.00E	g	VANC09MV
0211	120403	0	TDCT	B	MEL-VAN-09-077	400	TAMU	21-48.10S 12-41.05E	g	VANC09MV
0241	120403	0	TDCT	E	N C PQG		TAMU	21-48.10S 12-41.05E	g	VANC09MV
0332	120403	0	TDCT	B	MEL-VAN-09-078	400	TAMU	21-48.10S 12-41.05E	g	VANC09MV
0428	120403	0	TDCT	E	N C PQG		TAMU	21-48.10S 12-41.05E	g	VANC09MV
0546	120403	0	TDCT	B	MEL-VAN-09-079	400	TAMU	21-48.10S 12-41.05E	g	VANC09MV
0613	120403	0	TDCT	E	N C PQG		TAMU	21-48.10S 12-41.05E	g	VANC09MV
0908	120403	0	TDCT	B	MEL-VAN-09-080	760	TAMU	21-43.99S 12-15.00E	g	VANC09MV
1018	120403	0	TDCT	E	N C PQG		TAMU	21-44.00S 12-15.00E	g	VANC09MV
1312	120403	0	TDCT	B	MEL-VAN-09-081	829	TAMU	21-40.00S 11-48.00E	g	VANC09MV
1433	120403	0	TDCT	E	N C PQG		TAMU	21-40.00S 11-48.00E	g	VANC09MV
1736	120403	0	TDCT	B	MEL-VAN-09-082	500	TAMU	21-29.98S 11-14.96E	g	VANC09MV
1808	120403	0	TDCT	E	N C PQG		TAMU	21-30.00S 11-15.00E	g	VANC09MV
2355	120403	0	TDCT	B	MEL-VAN-09-083	3300	TAMU	21-17.20S 10-08.45E	g	VANC09MV
0348	130403	0	TDCT	E	N C PQG		TAMU	21-17.21S 10-08.45E	g	VANC09MV
0444	130403	0	TDCT	B	MEL-VAN-09-084	900	TAMU	21-17.21S 10-08.45E	g	VANC09MV
0557	130403	0	TDCT	E	N C PQG		TAMU	21-17.21S 10-08.45E	g	VANC09MV
0710	130403	0	TDCT	B	MEL-VAN-09-085	2000	TAMU	21-17.21S 10-08.45E	g	VANC09MV
0833	130403	0	TDCT	E	N C PQG		TAMU	21-17.21S 10-08.45E	g	VANC09MV
0927	130403	0	TDCT	B	MEL-VAN-09-086	2000	TAMU	21-17.21S 10-08.45E	g	VANC09MV
1056	130403	0	TDCT	E	N C PQG		TAMU	21-17.21S 10-08.45E	g	VANC09MV
1636	160403	0	TDCT	B	MEL-VAN-09-95	4300	TAMU	12-00.00S 9-25.00E	g	VANC09MV
1949	160403	0	TDCT	E	N C PQG		TAMU	12-00.00S 9-25.00E	g	VANC09MV
2308	160403	0	TDCT	B	MEL-VAN-09-96	3000	TAMU	12-00.00S 9-25.00E	g	VANC09MV
0113	170403	0	TDCT	E	N C PQG		TAMU	12-00.00S 9-25.00E	g	VANC09MV
0207	170403	0	TDCT	B	MEL-VAN-O9-97	3000	TAMU	12-00.00S 9-25.00E	g	VANC09MV
0413	170403	0	TDCT	E	N C PQG		TAMU	12-00.00S 9-25.00E	g	VANC09MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
#*** Multi-Cores ***										
1228	050403	0	COMC		MEL-VAN-09-050	3702 TAMU	21-14.37S	9-54.07E	g	VANC09MV
1340	060403	0	COMC		MEL-VAN-09-055	1595 TAMU	21-17.23S	11-42.00E	g	VANC09MV
1801	060403	0	COMC		MEL-VAN-09-056	1048 TAMU	21-17.24S	12-10.00E	g	VANC09MV
0232	070403	0	COMC		MEL-VAN-09-059	511 TAMU	21-17.24S	12-30.79E	g	VANC09MV
0536	070403	0	COMC		MEL-VAN-09-060	331 TAMU	21-17.31S	12-48.09E	g	VANC09MV
0642	200403	0	COMC		MEL-VAN-09-098	1007 TAMU	20-04.99S	11-18.69E	g	VANC09MV
1507	260403	0	COMC		MEL-VAN-09-109	2014 TAMU	28-45.00S	13-50.00E	g	VANC09MV
2031	260403	0	COMC		MEL-VAN-09-111	1515 TAMU	28-45.19S	14-03.79E	g	VANC09MV
0021	270403	0	COMC		MEL-VAN-09-113	1066 TAMU	28-45.00S	14-09.00E	g	VANC09MV
0401	270403	0	COMC		MEL-VAN-09-115	544 TAMU	28-45.00S	14-20.00E	g	VANC09MV
0646	270403	0	COMC		MEL-VAN-09-117	391 TAMU	28-45.00S	14-24.00E	g	VANC09MV
#*** Expendable Bathythermographs ***										
1253	250303	0	BTXP		Tf_00014.edf	GDC	26-03.62S	13-21.15E	g	VANC09MV
1741	260303	0	BTXP		Tf_00015.edf	GDC	24-14.14S	13-03.28E	g	VANC09MV
1022	270303	0	BTXP		Tf_00016.edf	GDC	21-57.21S	10-17.60E	g	VANC09MV
1129	280303	0	BTXP		Tf_00017.edf	GDC	19-38.61S	11-10.86E	g	VANC09MV
0703	300303	0	BTXP		Tf_00018.edf	GDC	21-15.44S	10-36.56E	g	VANC09MV
1708	050403	0	BTXP		Tf_00019.edf	GDC	21-15.80S	10-26.30E	g	VANC09MV
0822	080403	0	BTXP		Tf_00020.edf	GDC	24-28.99S	12-52.71E	g	VANC09MV
0850	120403	0	BTXP		Tf_00021.edf	GDC	21-44.08S	12-15.49E	g	VANC09MV
1547	130403	0	BTXP		Tf_00022.edf	GDC	20-35.56S	10-40.23E	g	VANC09MV
0047	190403	0	BTXP		Tf_00023.edf	GDC	17-20.98S	10-26.20E	g	VANC09MV
0825	200403	0	BTXP		Tf_00024.edf	GDC	20-06.94S	11-16.98E	g	VANC09MV
1545	210403	0	BTXP		Tf_00025.edf	GDC	21-04.51S	11-52.30E	g	VANC09MV
1205	220403	0	BTXP		Tf_00026.edf	GDC	24-29.51S	12-28.58E	g	VANC09MV
1705	230403	0	BTXP		Tf_00027.edf	GDC	27-47.07S	13-09.40E	g	VANC09MV
0721	250403	0	BTXP		Tf_00028.edf	GDC	26-20.00S	13-17.33E	g	VANC09MV
0933	260403	0	BTXP		Tf_00029.edf	GDC	28-12.10S	13-47.09E	g	VANC09MV
#					End Sample Index					VANC09MV