Report and Index of

Underway Marine Geophysical Data

Seaweed Expedition

Leg 3

(SEAW03RR)

R/V Revelle

(Issued November 2001)

Ports:
Hilo, Hawaii (25 February 2001)
to
Honolulu, Hawaii (25 March 2001)

Chief Scientist: Christian deMoustier
Scripps Institution of Oceanography
cdemoustier@ucsd.edu

Computer Techs – Jim Charters & John Chatwood
No Resident Marine Tech on board

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

STS Cruise ID# 296

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.

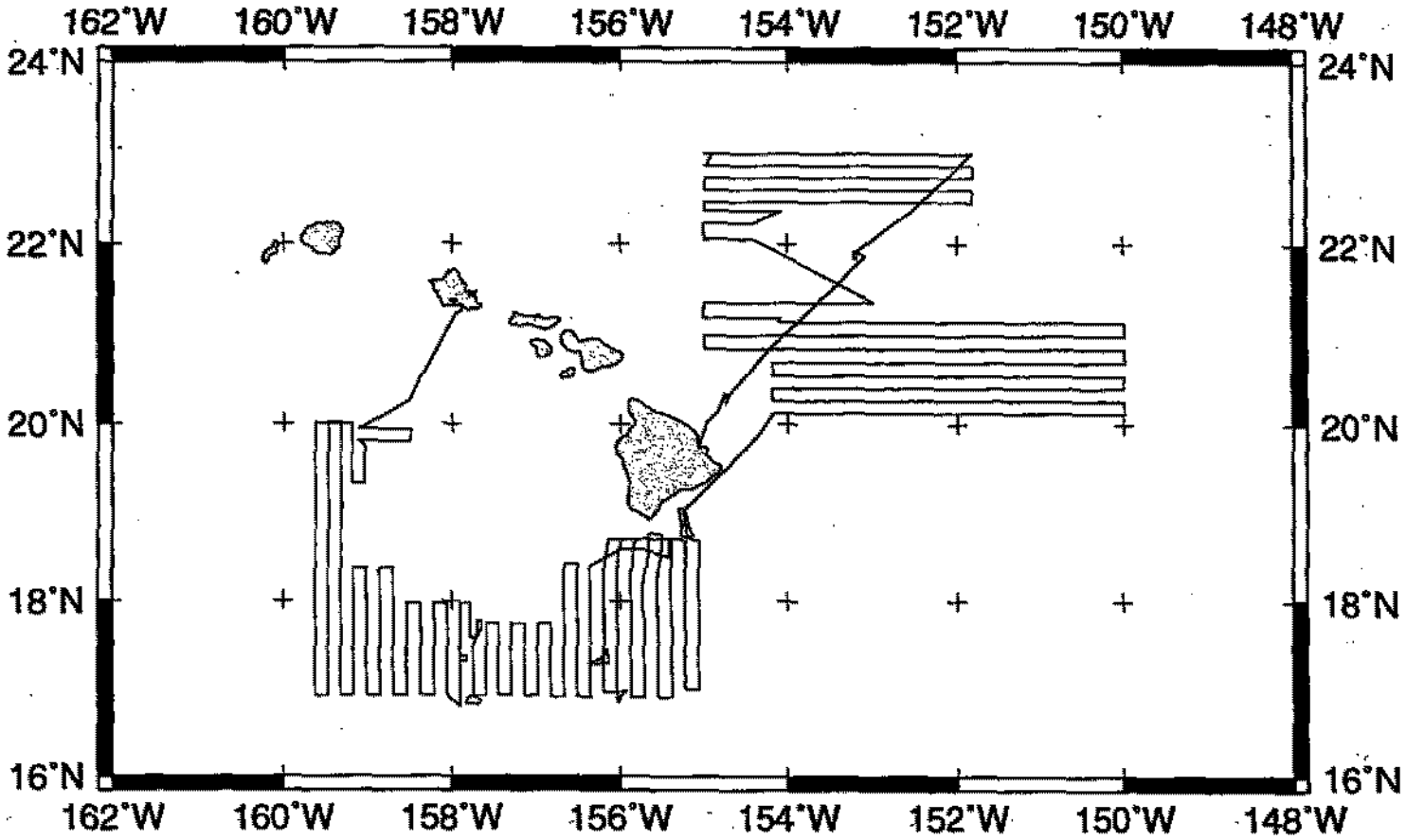
Track Charts– annotated with dates and hour ticks

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



SEAWEED EXPEDITION LEG 3 (SEAW03RR)

CHIEF SCIENTIST: Christian de Moustier, Scripps Institution

PORTS: Hilo - Honolulu, Hawaii

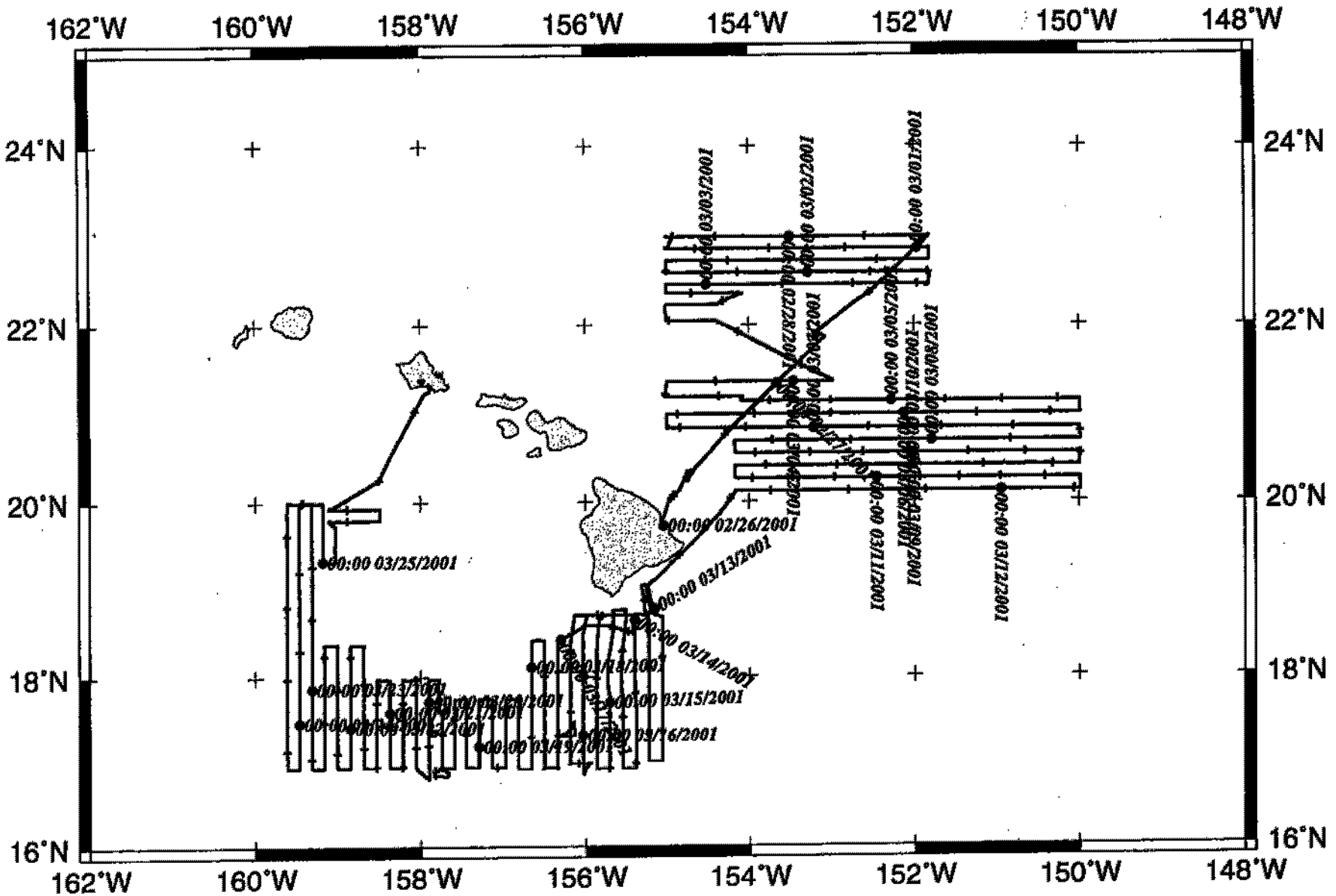
DATES: 25 February - 25 March 2001

SHIP: R/V Revelle

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise-7418 miles	**Magnetics-none collected**
Bathymetry-7410 miles	**Seismic Reflection-none collected**
Sea Beam-7410 miles	**Gravity-none collected**

SEAWEED-RR leg 3 Track



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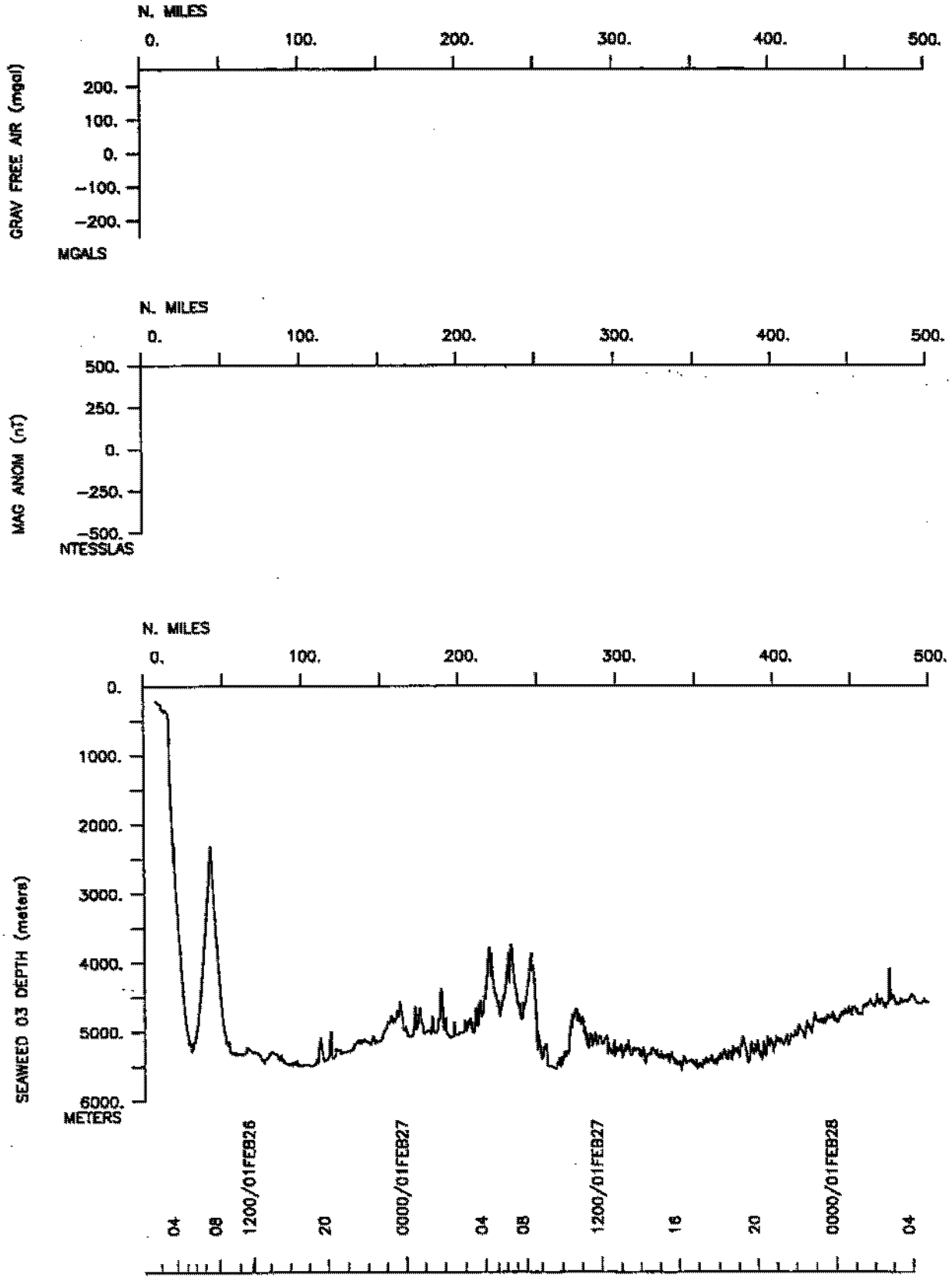
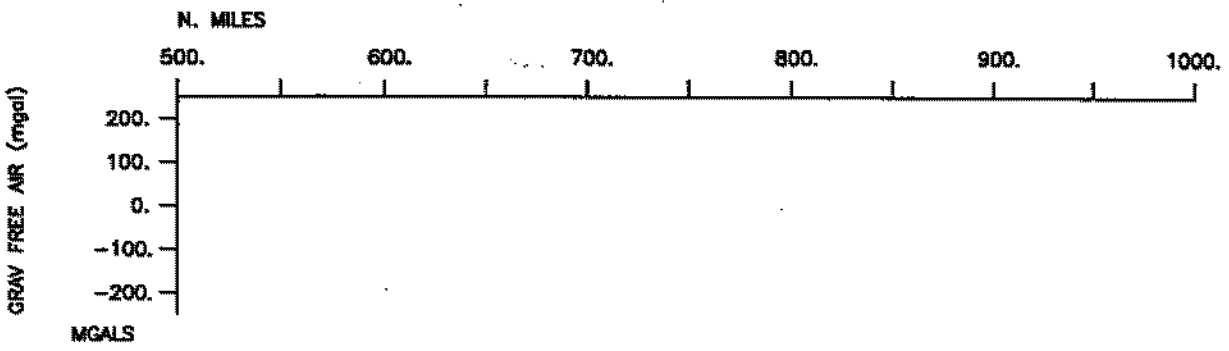
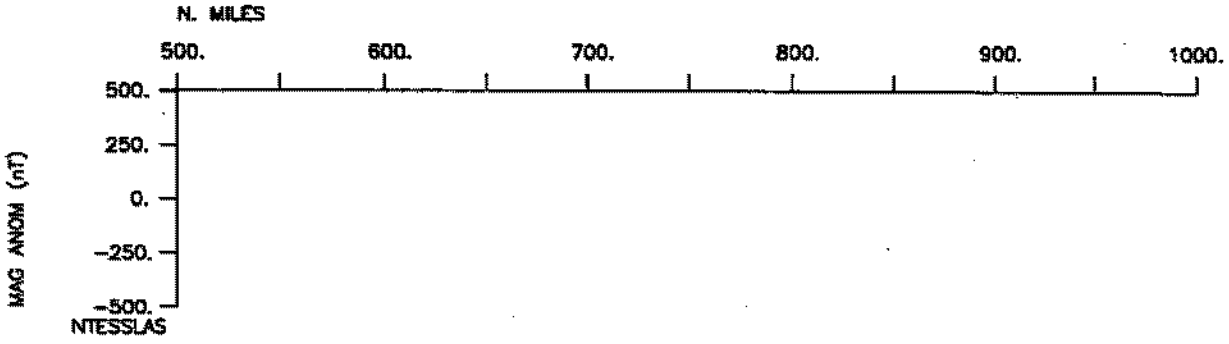
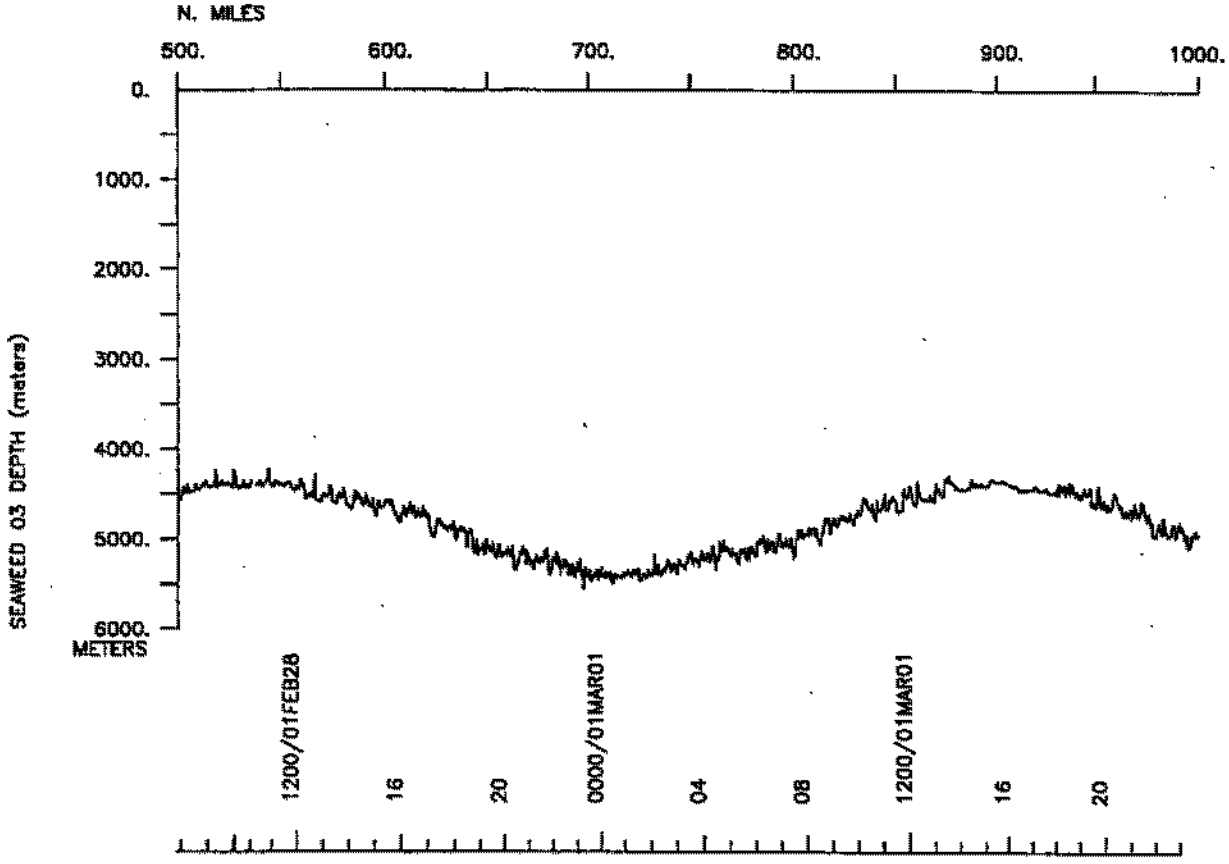
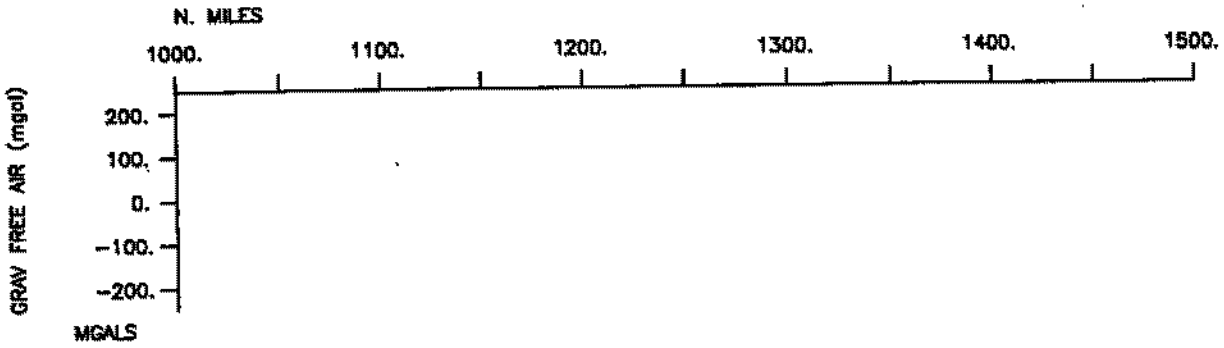
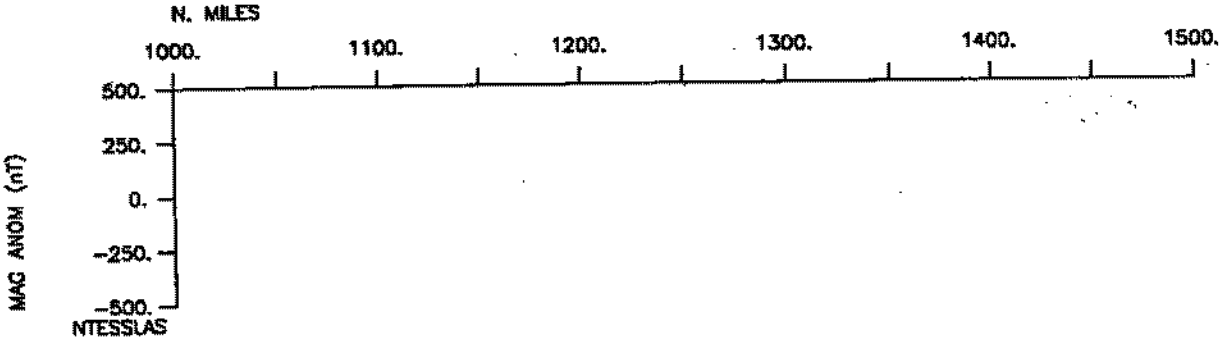

N. MILES
0.
100.
200.
300.
400.
500.
GRAV FREE AIR (mgal)
200.
100.
0.
−100.
−200.
MGALS
N. MILES
0.
100.
200.
300.
400.
500.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
0.
100.
200.
300.
400.
500.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
04
08
1200/01FEB26
20
0000/01FEB27
04
08
1200/01FEB27
16
20
0000/01FEB28
04

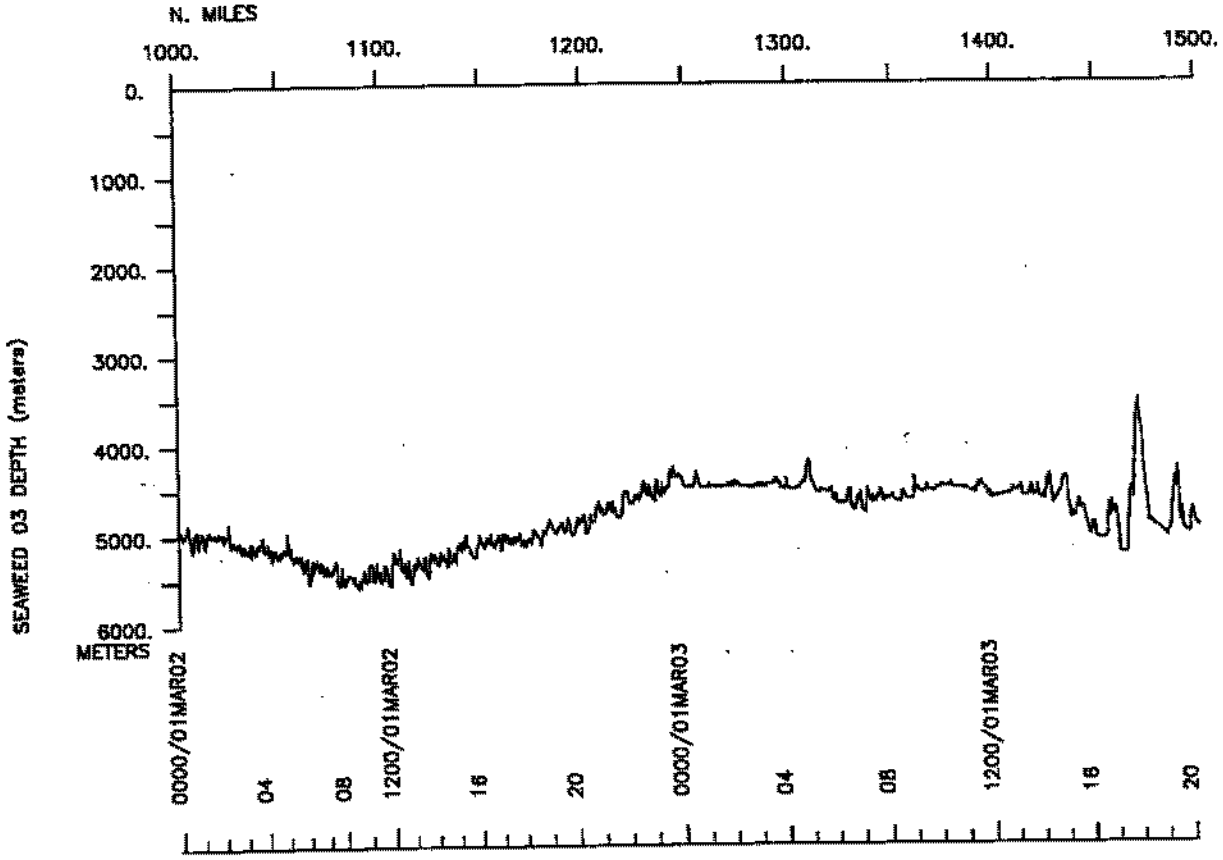

N. MILES
500.
600.
700.
800.
900.
1000.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS

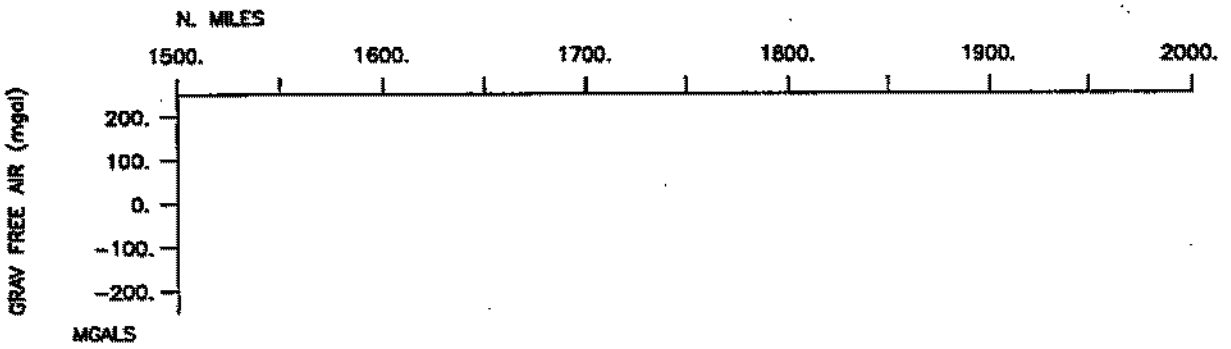

N. MILES
500.
600.
700.
800.
900.
1000.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS

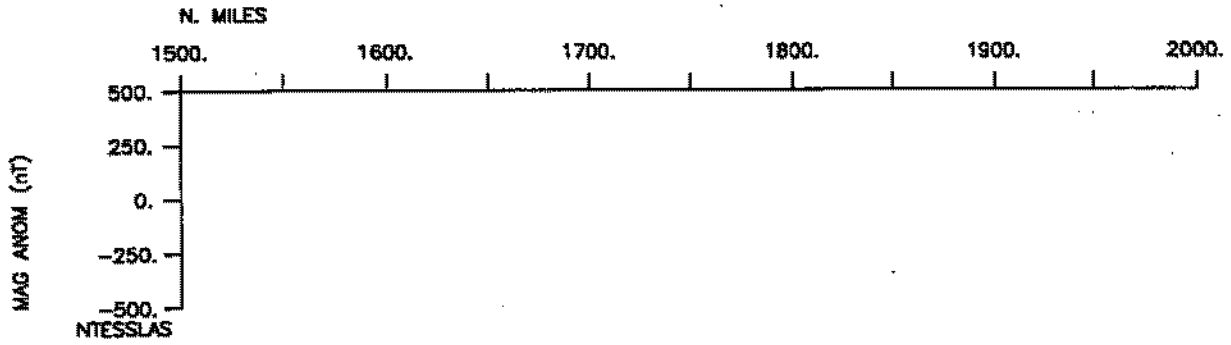

N. MILES
500.
600.
700.
800.
900.
1000.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/01FEB28
16
20
0000/01MAR01
04
08
1200/01MAR01
16
20

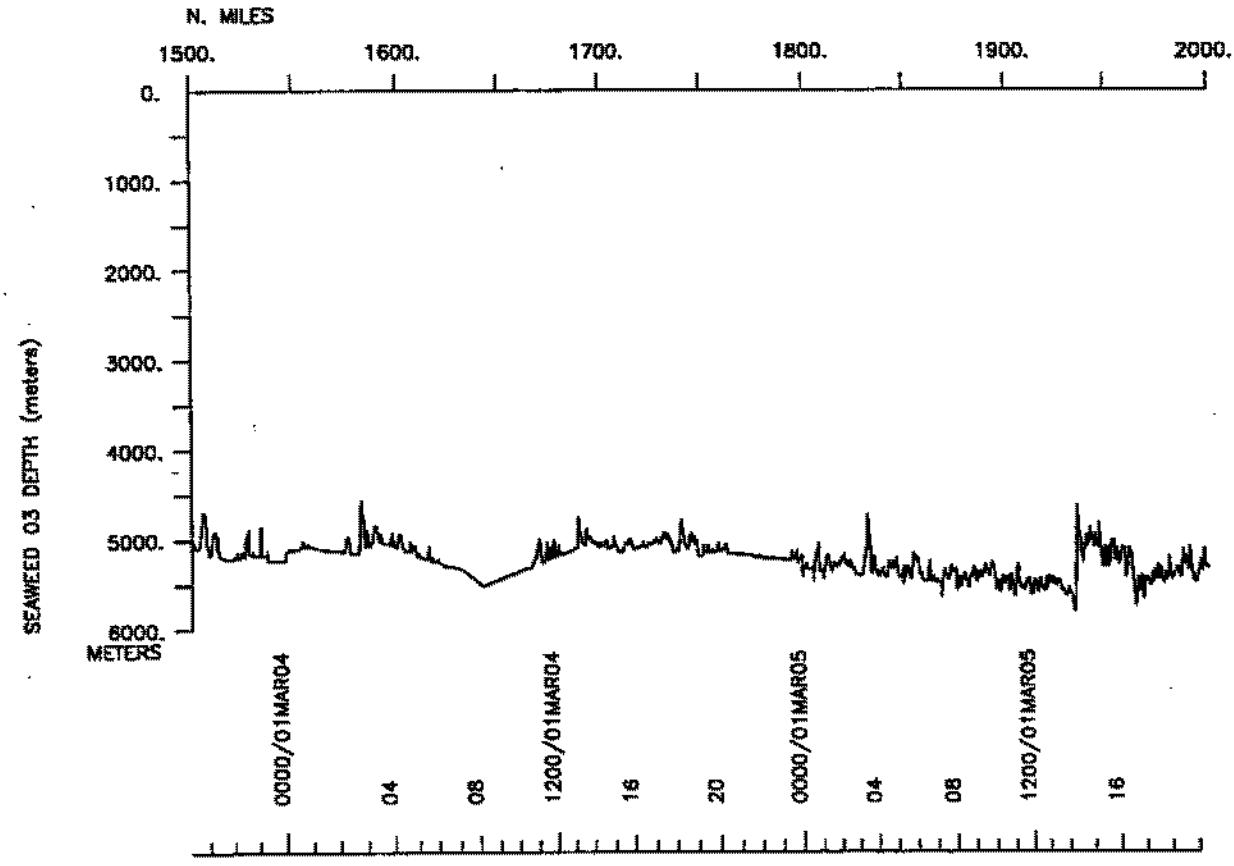

N. MILES
1000.
1100.
1200.
1300.
1400.
1500.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS

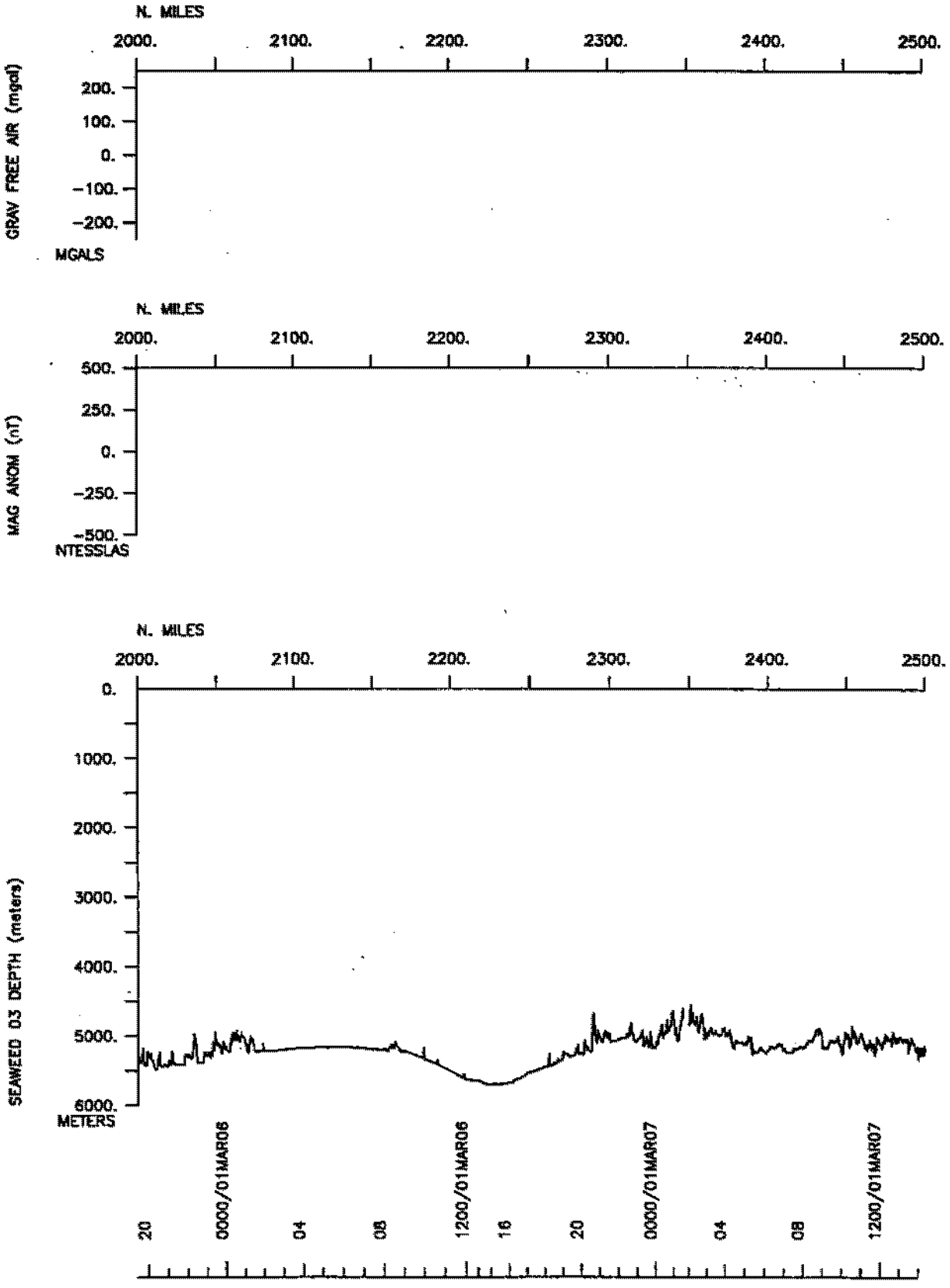

N. MILES
1000.
1100.
1200.
1300.
1400.
1500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS

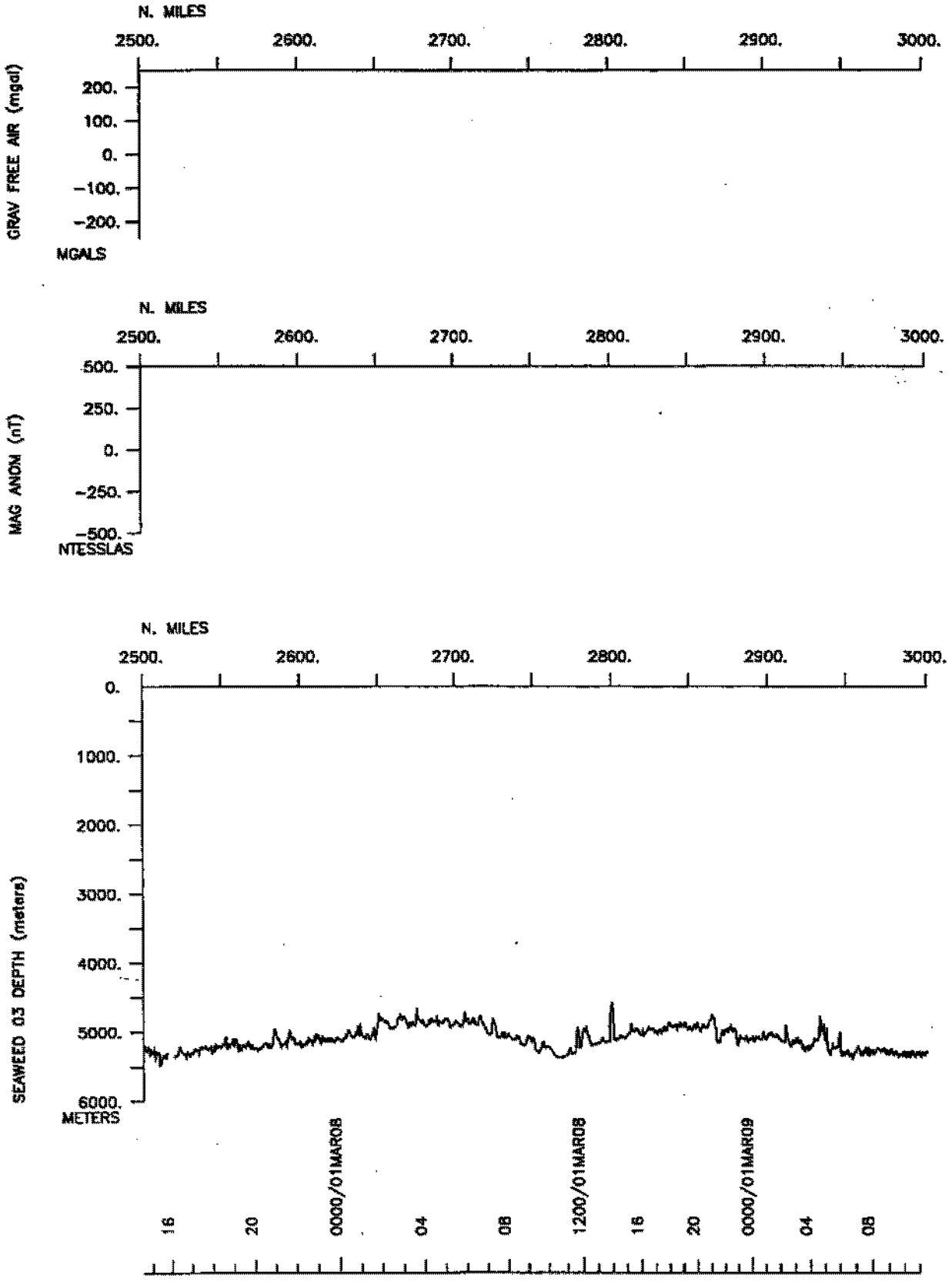

N. MILES
1000.
1100.
1200.
1300.
1400.
1500.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
0000/01MAR02
04
08
1200/01MAR02
16
20
0000/01MAR03
04
08
1200/01MAR03
16
20

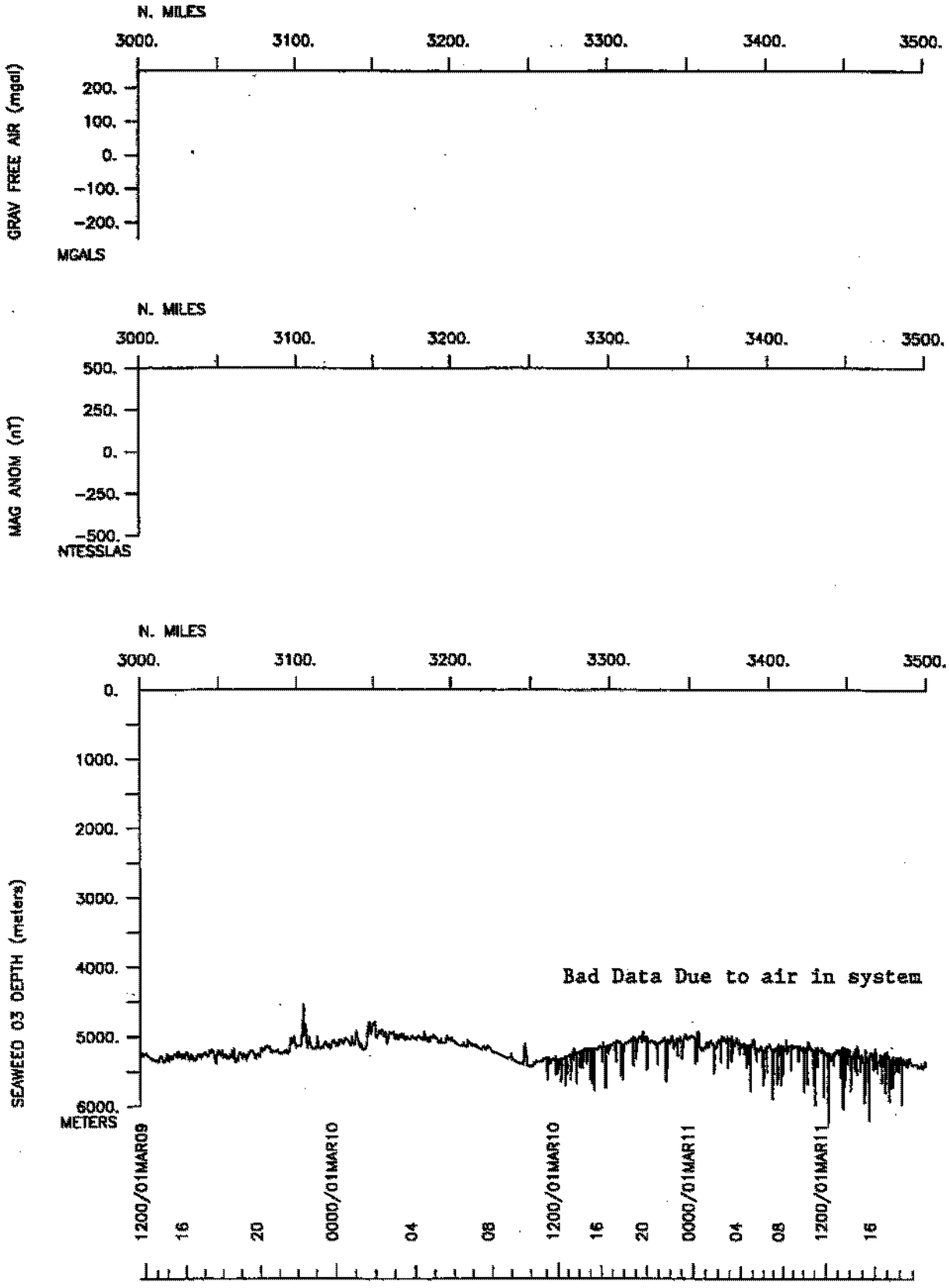

N. MILES
1500.
1600.
1700.
1800.
1900.
2000.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS

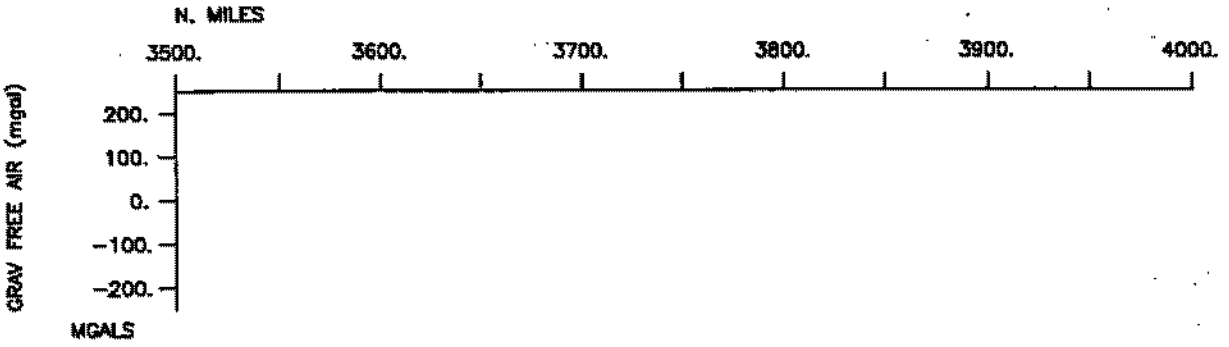

N. MILES
1500.
1600.
1700.
1800.
1900.
2000.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS

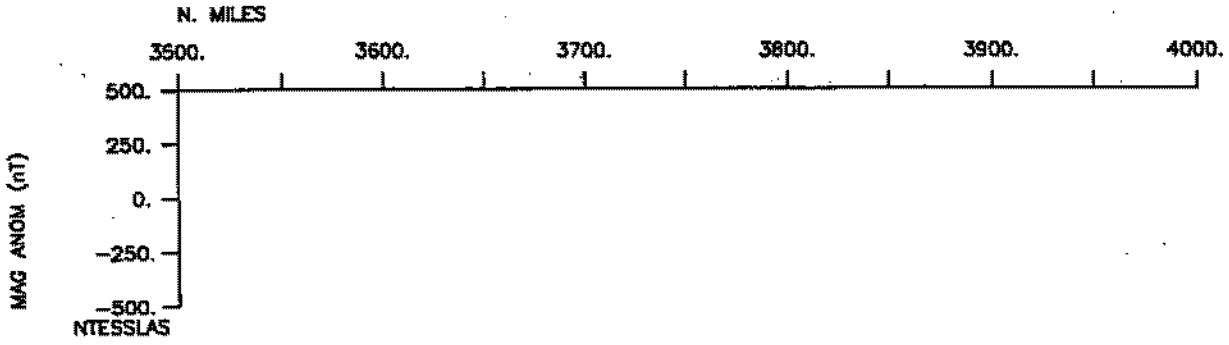

N. MILES
1500.
1600.
1700.
1800.
1900.
2000.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
0000/01MAR04
04
08
1200/01MAR04
16
20
0000/01MAR05
04
08
1200/01MAR05
16

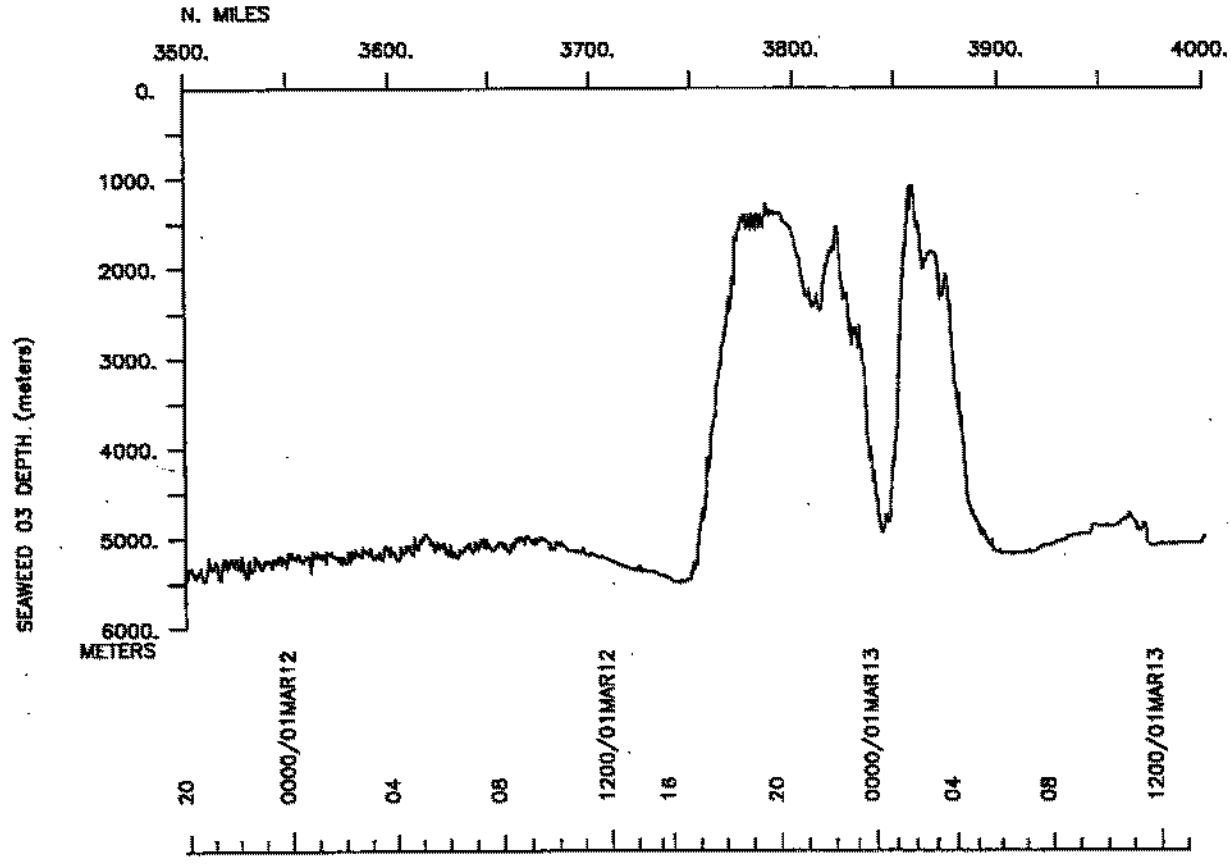

N. MILES
2000.
2100.
2200.
2300.
2400.
2500.
GRAV FREE AIR (mgal)
200.
100.
0.
−100.
−200.
MGALS
N. MILES
2000.
2100.
2200.
2300.
2400.
2500.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
2000.
2100.
2200.
2300.
2400.
2500.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
20
0000/01MAR06
04
08
1200/01MAR06
16
20
0000/01MAR07
04
08
1200/01MAR07

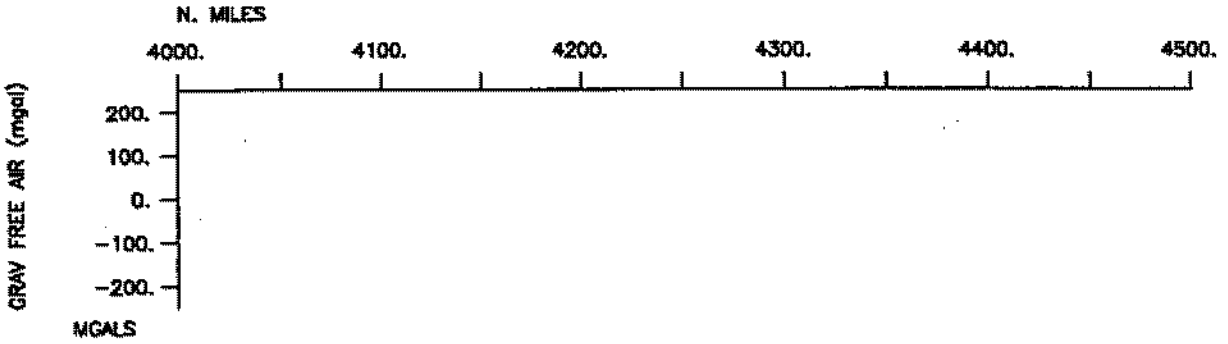

N. MILES
2500.
2600.
2700.
2800.
2900.
3000.
GRAV FREE AIR (mgal)
200.
100.
0.
−100.
−200.
MGALS
N. MILES
2500.
2600.
2700.
2800.
2900.
3000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
2500.
2600.
2700.
2800.
2900.
3000.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
16
20
0000/01MAR08
04
08
1200/01MAR08
16
20
0000/01MAR09
04
08

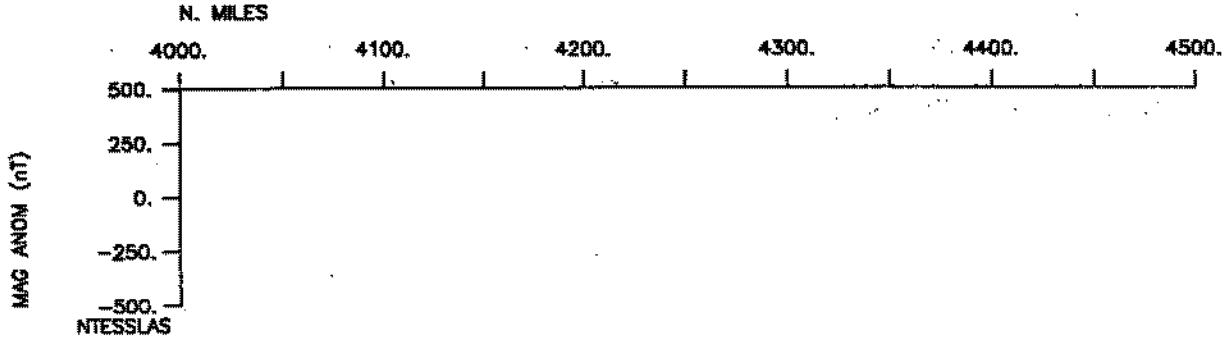

N. MILES
3000.
3100.
3200.
3300.
3400.
3500.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS
N. MILES
3000.
3100.
3200.
3300.
3400.
3500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
3000.
3100.
3200.
3300.
3400.
3500.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
Bad Data Due to air in system
1200/01MAR09
16
20
0000/01MAR10
04
08
1200/01MAR10
16
20
0000/01MAR11
04
08
1200/01MAR11
16

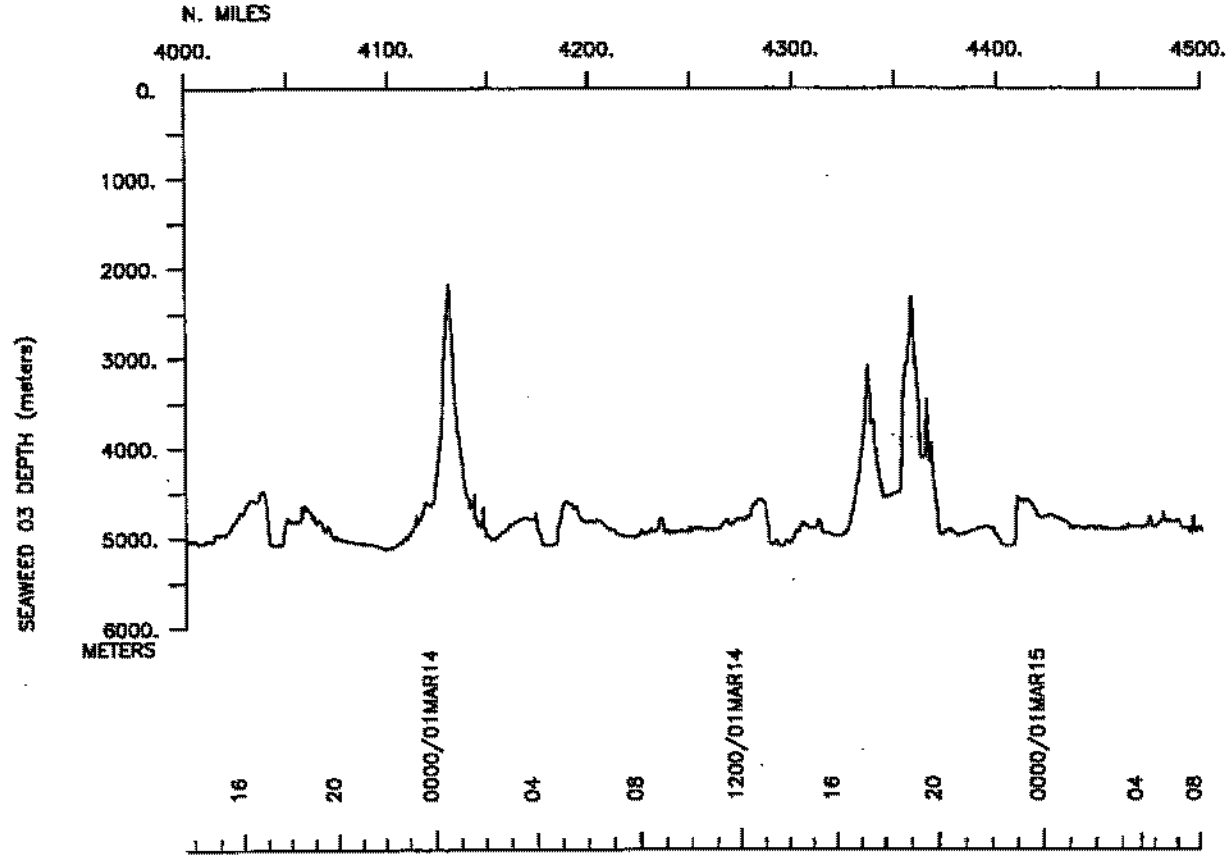

N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS

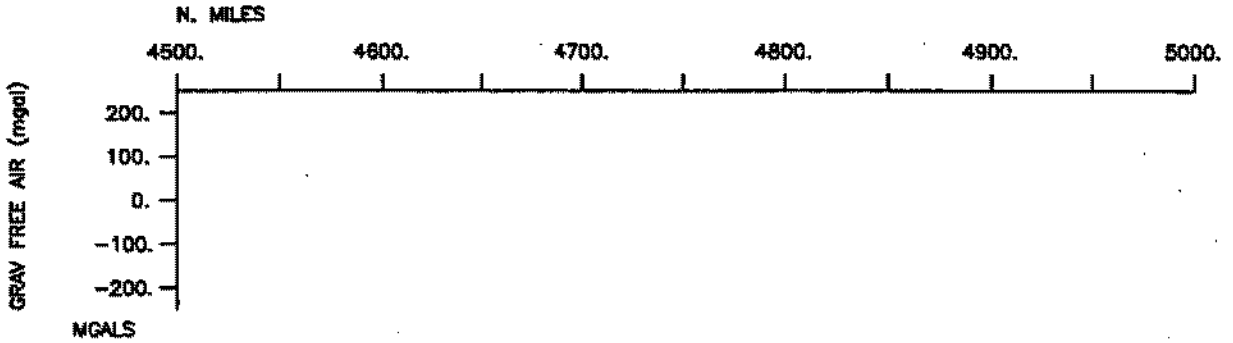

N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS

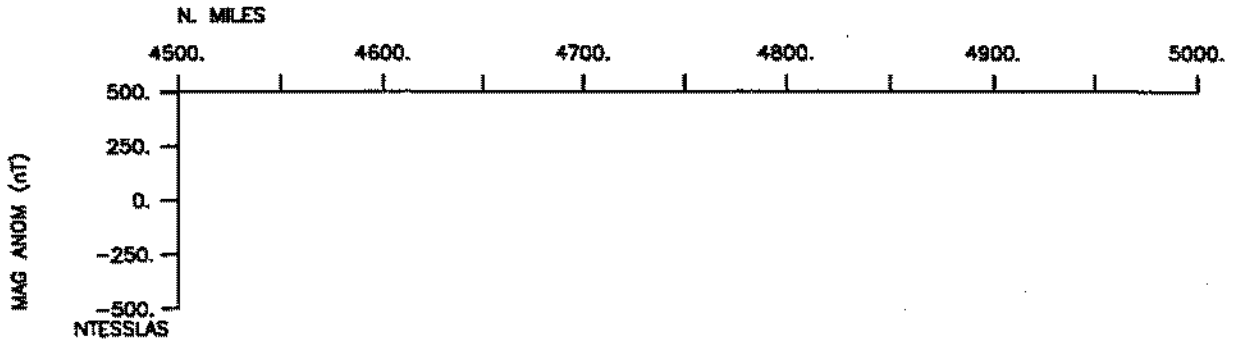

N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
20
0000/01MAR12
04
08
1200/01MAR12
16
20
0000/01MAR13
04
08
1200/01MAR13

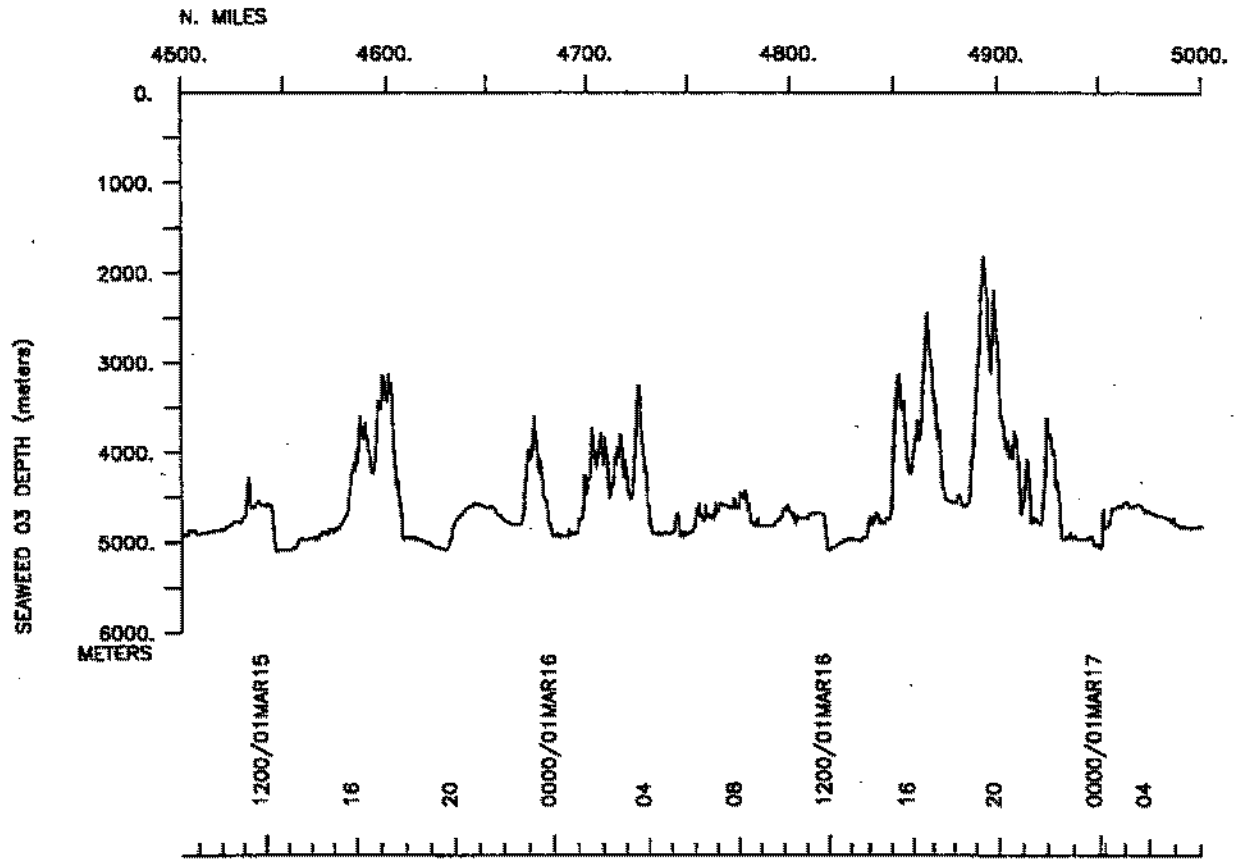

N. MILES
4000.
4100.
4200.
4300.
4400.
4500.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS

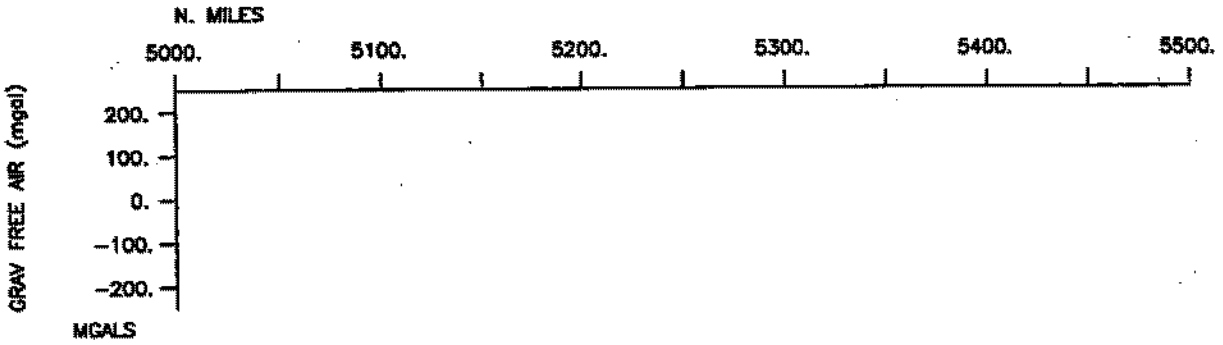

N. MILES
4000.
4100.
4200.
4300.
4400.
4500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS

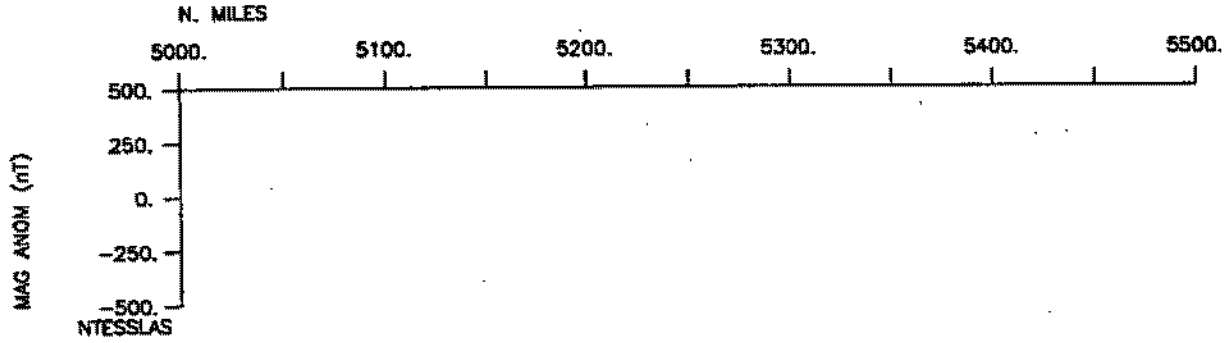

N. MILES
4000.
4100.
4200.
4300.
4400.
4500.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
16
20
0000/01MAR14
04
08
1200/01MAR14
16
20
0000/01MAR15
04
08

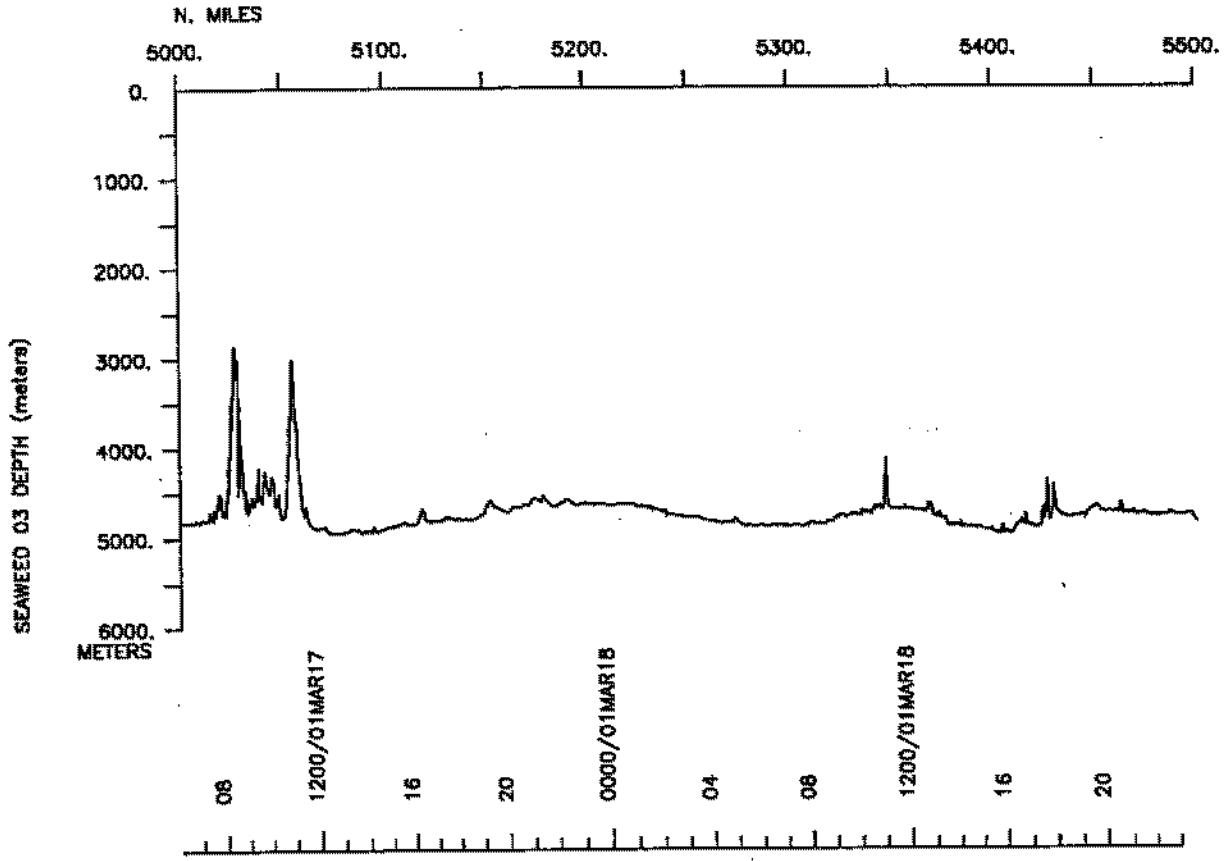

N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
GRAV FREE AIR (mgal)
200.
100.
0.
−100.
−200.
MGALS

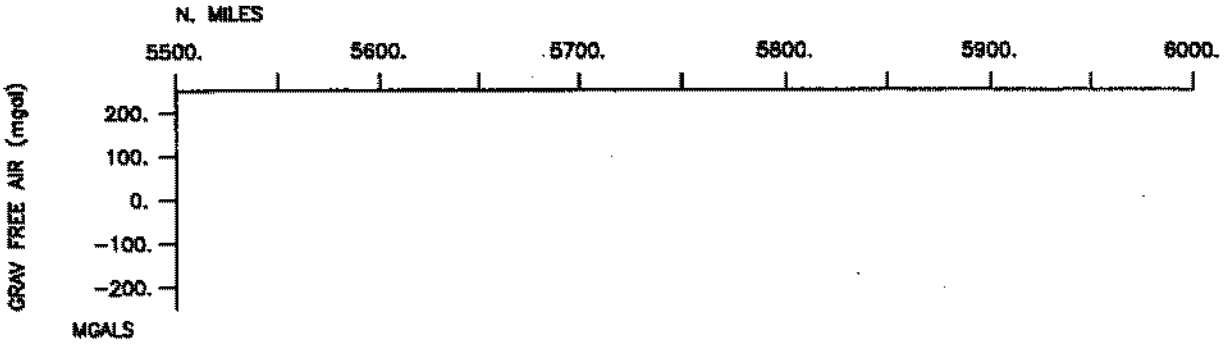

N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS

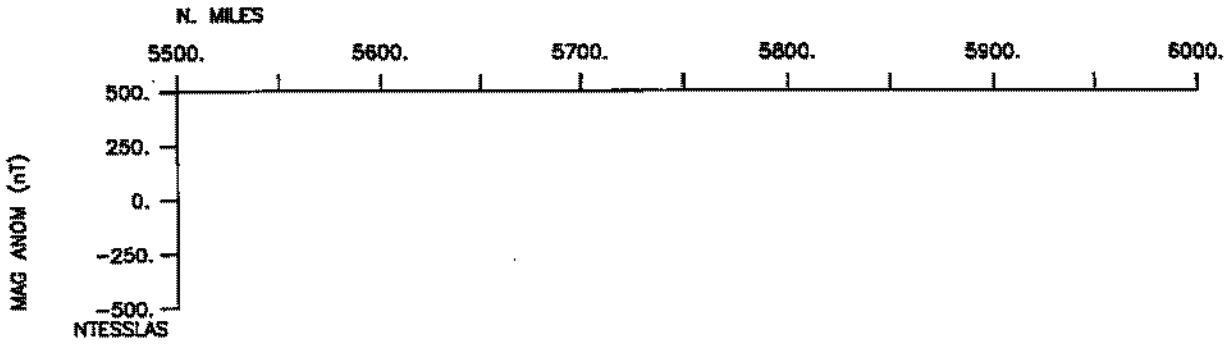

N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
1200/01MAR15
16
20
0000/01MAR16
04
08
1200/01MAR16
16
20
0000/01MAR17
04

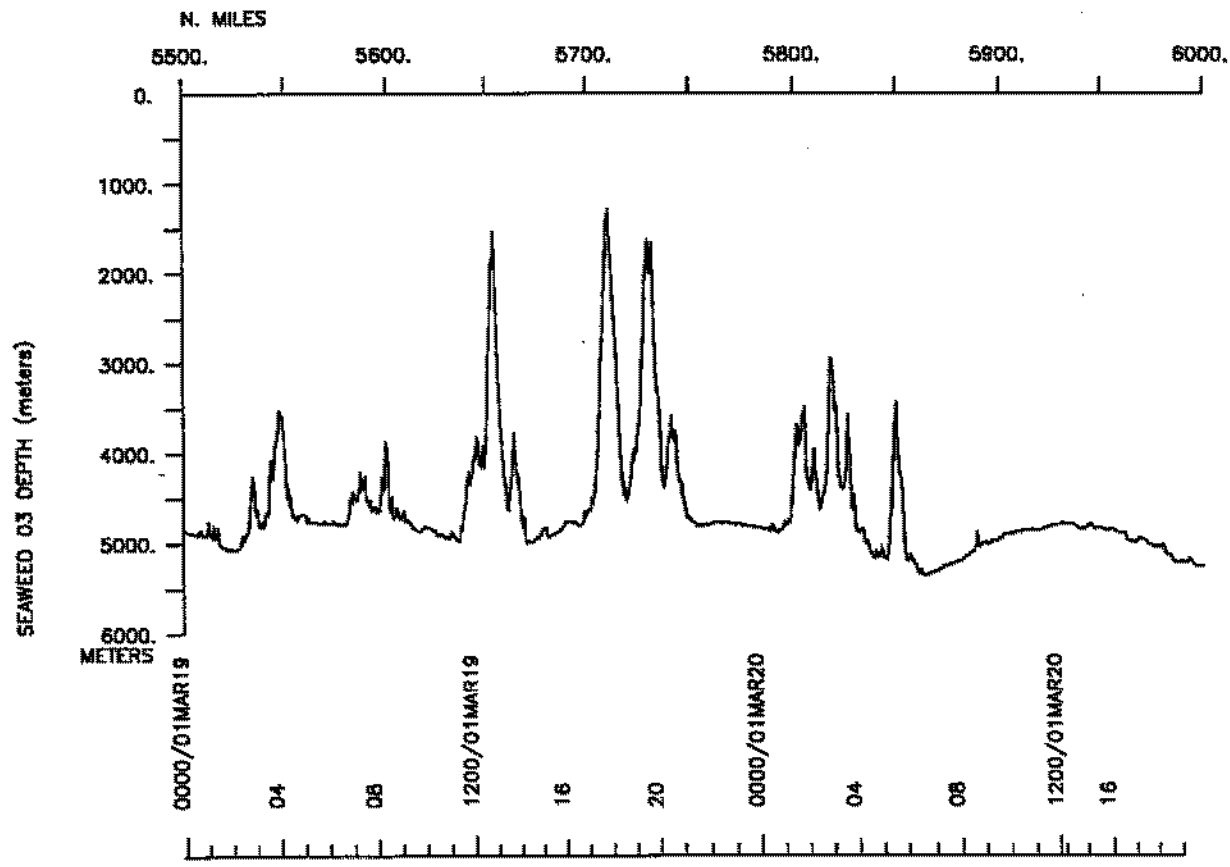

N. MILES
5000.
5100.
5200.
5300.
5400.
5500.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS

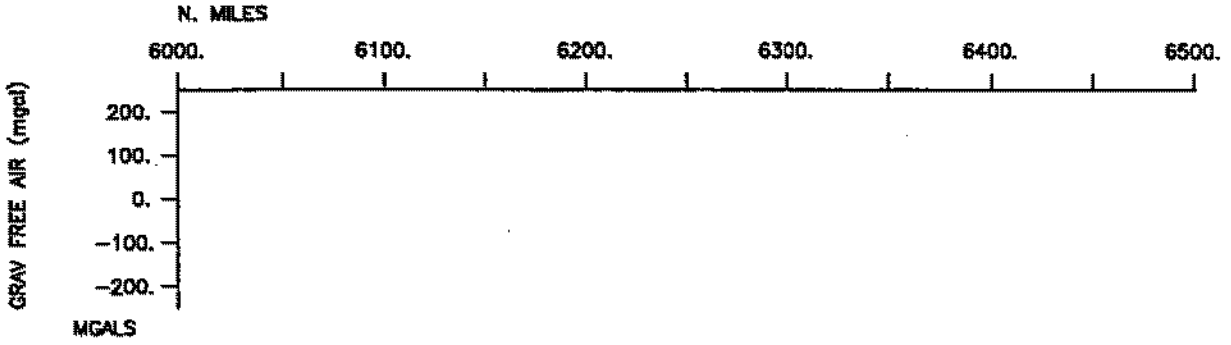

N. MILES
5000.
5100.
5200.
5300.
5400.
5500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS

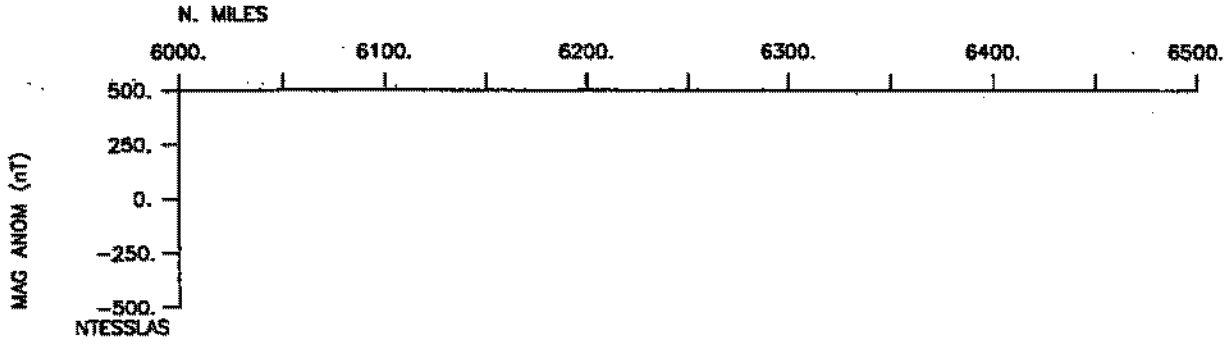

N. MILES
5000.
5100.
5200.
5300.
5400.
5500.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
08
1200/01MAR17
16
20
0000/01MAR18
04
08
1200/01MAR18
16
20

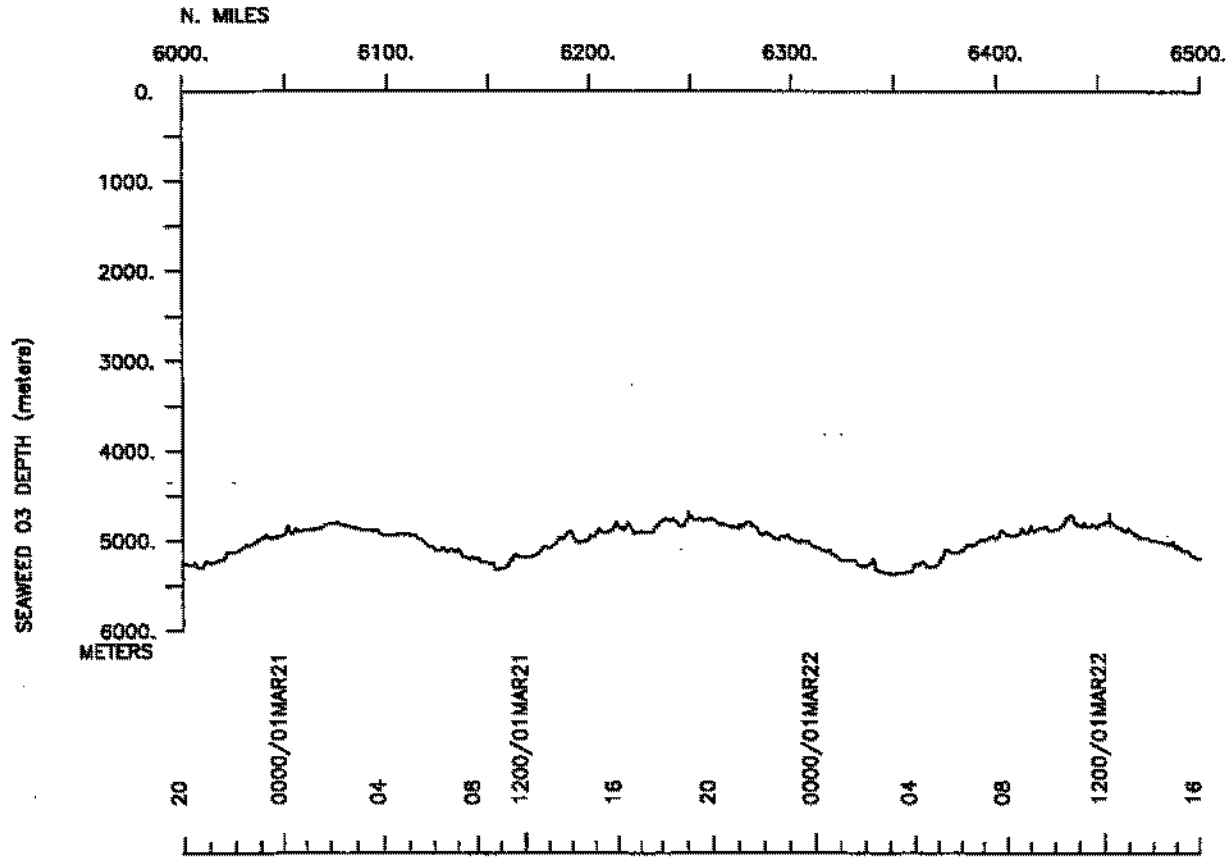

N. MILES
5500.
5600.
5700.
5800.
5900.
6000.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS


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.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
0000/01MAR19
04
08
1200/01MAR19
16
20
0000/01MAR20
04
08
1200/01MAR20
16


N. MILES
6000.
6100.
6200.
6300.
6400.
6500.
GRAV FREE AIR (mgal)
200.
100.
0.
-100.
-200.
MGALS


N. MILES
6000.
6100.
6200.
6300.
6400.
6500.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS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6200.
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1000.
2000.
3000.
4000.
5000.
6000.
METERS
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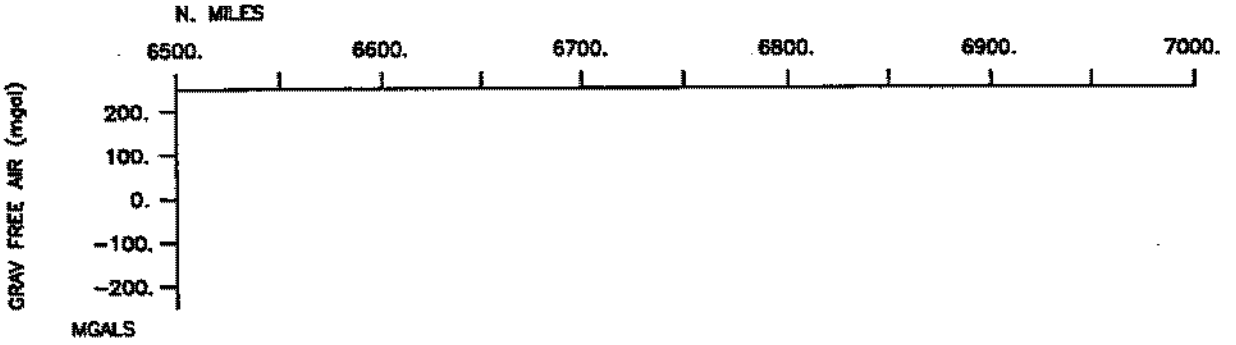
0000/01MAR21
04
08
1200/01MAR21
16
20
0000/01MAR22
04
08
1200/01MAR22
16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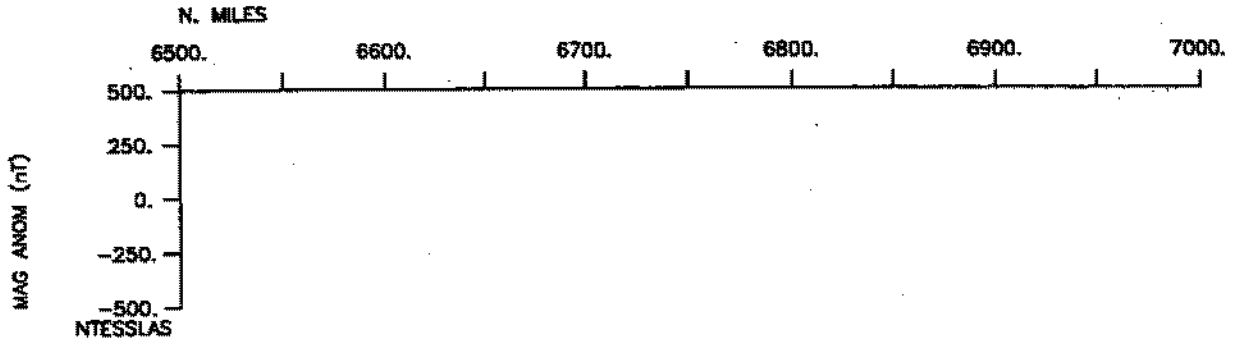
-200.
MGALS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MAG ANOM (nT)
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0.
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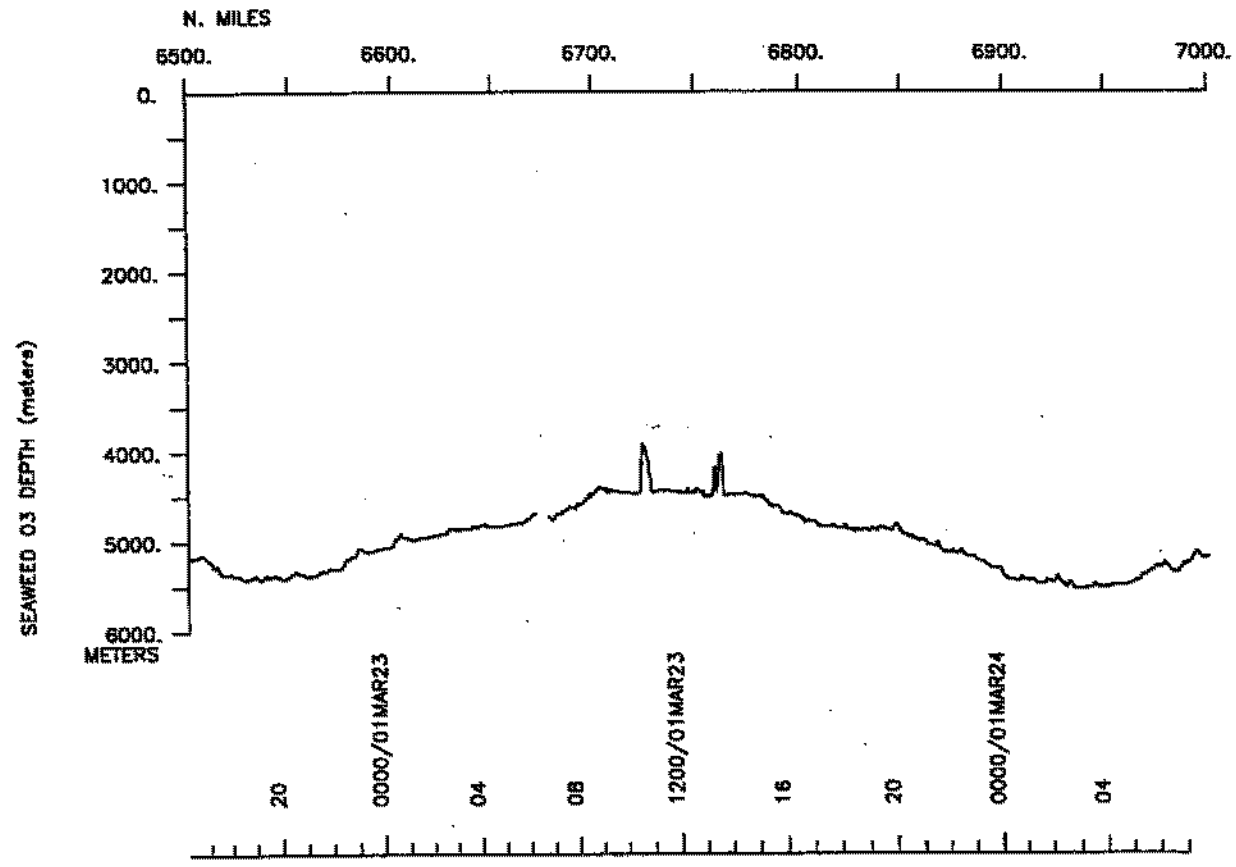
-500.
NTESSLAS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6600.
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6800.
6900.
7000.
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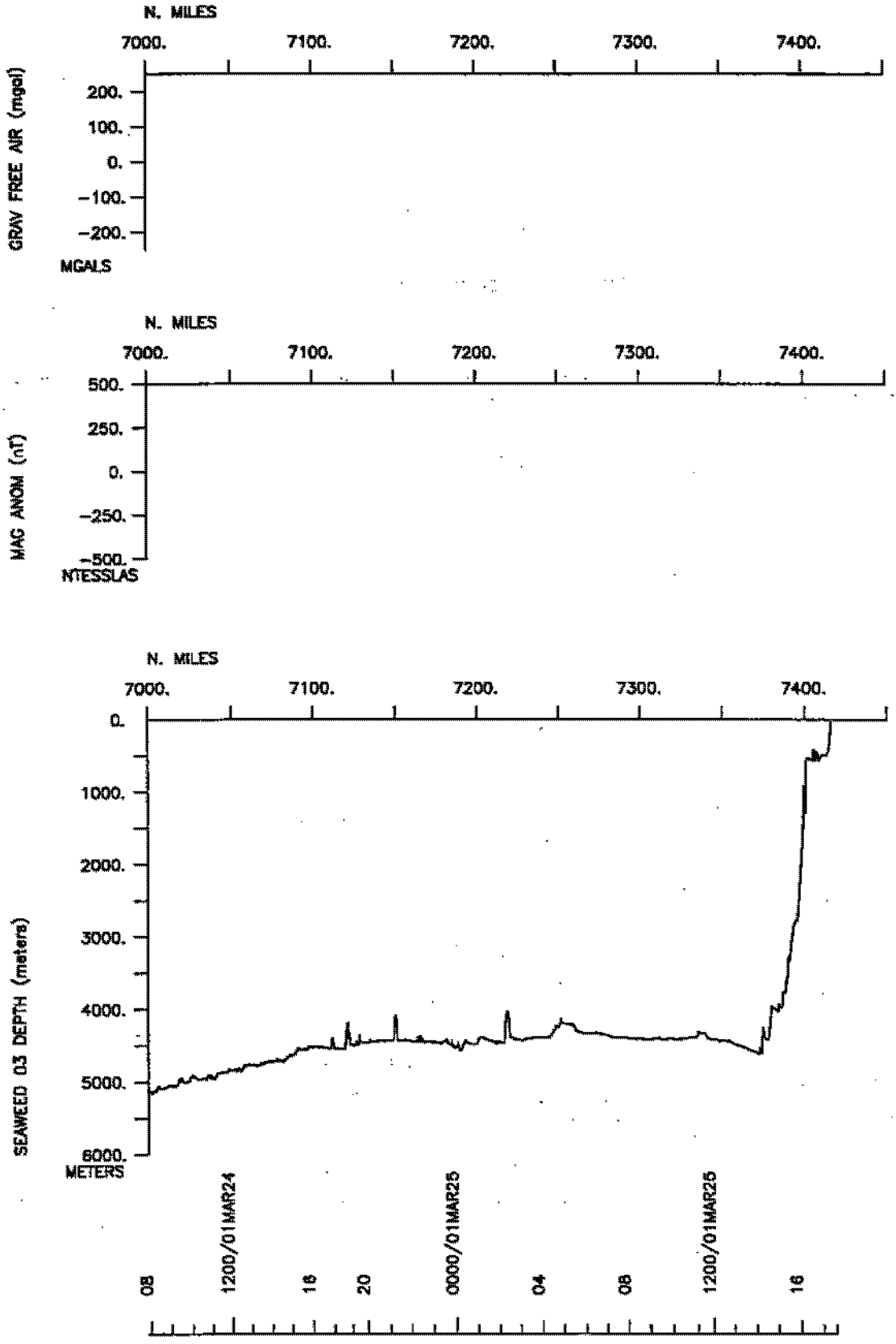
1000.
2000.
3000.
4000.
5000.
6000.
METERS
20
0000/01MAR23
04
08
1200/01MAR23
16
20
0000/01MAR24
04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7400.
GRAV FREE AIR (mgal)
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100.
0.
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-200.
MGALS
N. MILES
7000.
7100.
7200.
7300.
7400.
MAG ANOM (nT)
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
7000.
7100.
7200.
7300.
7400.
SEAWEED 03 DEPTH (meters)
0.
1000.
2000.
3000.
4000.
5000.
6000.
METERS
08
1200/01MAR24
16
20
0000/01MAR25
04
08
1200/01MAR25
16

S.I.O. Sample Index

Seaweed Expedition

Leg 3

(SEAW03RR)

R/V Revelle

(Issued November 2001)

PORTS:

Hilo, Hawaii (25 February 2001)
to
Honolulu, Hawaii (25 March 2001)

Chief Scientist: Christian deMoustier
Scripps Institution of Oceanography

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 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.)

STS Cruise ID# 296

#*** Ports ***

0530 260201 LGPT B Hilo, Hawaii 19-44.00N 155-04.00W f SEAW03RR
1800 250301 LGPT E Honolulu, Hawaii 21-18.00N 157-52.00W f SEAW03RR

#*** Personnel ***

#		********NAME********	******TITLE******	*****AFFILIATION****	**CRID**
PECS	MPL	Chris deMoustier	Chief Scientist	Scripps Instutition	SEAW03RR
PECT	STS	James Charters	Computer Tech	Scripps Instutition	SEAW03RR
PECT	STS	John Chatwood	Computer Tech	Scripps Instutition	SEAW03RR
PESP	STS	Rob Palomares	CTD tech	Scripps Instutition	SEAW03RR
PESP	STS	Kristin Sanborn	Data Processor	Scripps Instutition	SEAW03RR
PESP	STS	Mikael LeGleau	Student	Scripps Instutition	SEAW03RR
PESP	STS	Uta Peckman	Data Processor	Scripps Instutition	SEAW03RR
PESP	NAVO	Theresa Anoskey	Data Processor	NAVO	SEAW03RR

#*** 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 TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP

#*** Underway Data Curator - Shipboard Technical Support Group ext.41899 ***
#*** Digital Data Curator - Geological Data Center, S.P. Miller, ext.41898 ***

#*** Log Books ***

0200 260201 0 LBUW B Underway log books STS 19-43.92N 155-03.28W g SEAW03RR
1732 050301 0 LBUW E Underway log books STS 20-59.01N 150-41.73W g SEAW03RR

#*** MultiBeam Digital Date ***

0246 260201 0 MBSI B SIMRAD multibeam STS 19-50.30N 155-02.82W g SEAW03RR
1727 250301 0 MBSI E SIMRAD multibeam STS 21-17.21N 157-52.59W g SEAW03RR

#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
***** Conductivity, Temperature, Depth *****									
1021 260201	0	TCTD	B	SeaBird 911+2 bottle	SIO	20-18.92N	154-43.24W	g	SEAW03RR
1235 260201	0	TCTD	E	depth 5410.0	SIO	20-18.92N	154-43.25W	g	SEAW03RR
0720 280201	0	TCTD	B	SeaBird 911+2 bottle	SIO	22-60.00N	154-55.64W	g	SEAW03RR
0818 280201	0	TCTD	E	depth 2020.5	SIO	22-60.00N	154-55.64W	g	SEAW03RR
0800 020301	0	TCTD	B	SeaBird 911+2 bottle	SIO	22-36.00N	151-50.00W	g	SEAW03RR
0951 020301	0	TCTD	E	depth 2020.6	SIO	22-36.00N	151-50.00W	g	SEAW03RR
1242 060301	0	TCTD	B	SeaBird 911+2 bottle	SIO	20-59.11N	155-00.36W	g	SEAW03RR
1409 060301	0	TCTD	E	depth 1513.7	SIO	20-59.11N	155-00.35W	g	SEAW03RR
1247 090301	0	TCTD	B	SeaBird 911+2 bottle	SIO	20-24.03N	149-59.69W	g	SEAW03RR
1416 090301	0	TCTD	E	depth 1514.0	SIO	20-24.03N	149-59.67W	g	SEAW03RR
1358 120301	0	TCTD	B	SeaBird 911+2 bottle	SIO	20-06.71N	154-10.19W	g	SEAW03RR
1523 120301	0	TCTD	E	depth 1514.4	SIO	20-06.71N	154-10.18W	g	SEAW03RR
0349 150301	0	TCTD	B	SeaBird 911+2 bottle	SIO	16-54.48N	155-42.42W	g	SEAW03RR
0513 150301	0	TCTD	E	depth 1509.2	SIO	16-54.48N	155-42.41W	g	SEAW03RR
0018 170301	0	TCTD	B	SeaBird 911+2 bottle	SIO	18-24.40N	156-19.97W	g	SEAW03RR
0143 170301	0	TCTD	E	depth 1513.6	SIO	18-24.36N	156-19.95W	g	SEAW03RR
1203 200301	0	TCTD	B	SeaBird 911+2 bottle	SIO	17-58.44N	158-03.63W	g	SEAW03RR
1335 200301	0	TCTD	E	depth 1512.5	SIO	17-58.44N	158-03.62W	g	SEAW03RR
0759 210301	0	TCTD	B	SeaBird 911+2 bottle	SIO	16-56.01N	158-32.01W	g	SEAW03RR
0859 210301	0	TCTD	E	depth 2018.5	SIO	16-56.00N	158-32.00W	g	SEAW03RR
1757 240301	0	TCTD	B	SeaBird 911+2 bottle	SIO	20-00.59N	159-35.72W	g	SEAW03RR
1918 240301	0	TCTD	E	depth 1513.9	SIO	20-00.57N	159-35.72W	g	SEAW03RR

#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
***** Expendable Bathythermographs *****									
0351 260201	0	BTXP		MK12 #154	T-5	GDC	20-01.48N	154-58.58W	g SEAW03RR
1013 260201	0	BTXP		MK12 #155	T-5	GDC	20-18.93N	154-43.23W	g SEAW03RR
0509 270201	0	BTXP		MK12 #156	T-5	GDC	21-49.77N	153-13.54W	g SEAW03RR
1639 270201	0	BTXP		MK12 #157	T-5	GDC	23-00.07N	151-49.63W	g SEAW03RR
1050 280201	0	BTXP		MK12 #158	T-5	GDC	22-51.99N	154-54.83W	g SEAW03RR
2136 280201	0	BTXP		MK12 #159	T-5	GDC	22-52.00N	152-28.97W	g SEAW03RR
0104 010301	0	BTXP		MK12 #160	T-5	GDC	22-47.13N	151-49.17W	g SEAW03RR
1020 010301	0	BTXP		MK12 #161	T-5	GDC	22-43.98N	153-52.46W	g SEAW03RR
1710 010301	0	BTXP		MK12 #162	T-5	GDC	22-35.98N	154-46.11W	g SEAW03RR
1649 020301	0	BTXP		MK12 #163	T-5	GDC	22-27.99N	152-53.71W	g SEAW03RR
0304 030301	0	BTXP		MK12 #170	T-5	GDC	22-21.98N	154-54.38W	g SEAW03RR
0700 030301	0	BTXP		MK12 #172	T-5	GDC	22-21.26N	154-06.11W	g SEAW03RR
2131 030301	0	BTXP		MK12 #173	T-5	GDC	21-23.43N	153-03.69W	g SEAW03RR
0710 050301	0	BTXP		MK12 #174	T-5	GDC	21-08.02N	151-05.05W	g SEAW03RR
2047 050301	0	BTXP		MK12 #175	T-5	GDC	20-58.98N	151-25.20W	g SEAW03RR
0416 060301	0	BTXP		MK12 #178	T-5	GDC	20-59.00N	153-04.41W	g SEAW03RR
0120 070301	0	BTXP		MK12 #181	T-5	GDC	20-49.99N	152-57.77W	g SEAW03RR
1547 070301	0	BTXP		MK12 #183	T-5	GDC	20-49.65N	149-59.71W	g SEAW03RR
0458 080301	0	BTXP		MK12 #185	T-5	GDC	20-40.99N	153-00.44W	g SEAW03RR
1000 080301	0	BTXP		MK12 #186	T-5	GDC	20-40.54N	154-10.75W	g SEAW03RR
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1724 080301	0	BTXP		MK12 #191	T-5	GDC	20-32.47N	153-02.33W	g SEAW03RR
2219 090301	0	BTXP		MK12 #192	T-5	GDC	20-24.00N	151-39.58W	g SEAW03RR
0636 100301	0	BTXP		MK12 #193	T-5	GDC	20-23.99N	153-30.92W	g SEAW03RR
1958 100301	0	BTXP		MK12 #198	T-5	GDC	20-15.51N	152-58.63W	g SEAW03RR

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER		DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1522	110301	0	BTXP		MK12 #203	T-5	GDC	20-15.50N	150-30.38W	g	SEAW03RR
0438	120301	0	BTXP		MK12 #204	T-5	GDC	20-07.02N	152-00.48W	g	SEAW03RR
2217	120301	0	BTXP		MK12 #205	T-5	GDC	19-02.23N	155-14.03W	g	SEAW03RR
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0104	140301	0	BTXP		MK12 #207	T-5	GDC	18-25.54N	155-24.00W	g	SEAW03RR
0125	140301	0	BTXP		MK12 #208	T-5	GDC	18-21.24N	155-24.00W	g	SEAW03RR
1432	140301	0	BTXP		MK12 #209	T-5	GDC	18-00.59N	155-33.83W	g	SEAW03RR
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1639	250301	0	BTXP		MK12 #244	Fast_Deep	GDC	21-09.45N	157-59.37W	g	SEAW03RR
#***					End Sample Index						SEAW03RR

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# MGD77 header file description and data (Type 4 header; Y2K compliant)
# (lines beginning with # are comments only and do not appear in the header
# record.  smsmith, gdcultra 22sep2000
#
# column,1         2         3         4         5         6         7         8
#2345678901234567890123456789012345678901234567890123456789012345678901234567890
#|-cruise identifier
#        |-format acronym("MGD77")
#        |     |-NGDC data center file number(leave blank)
#        |     |                parameter codes
#        |     |                |-----depths          5 = present in file
#        |     |                |-----mags            3 = collected, not in file
#        |     |                |-----grav            1 = no collected
#        |     |                |-----h.r.seis. (3.5 khz)
#        |     |                |-----d.p.seis. (seis. reflection)
#        |     |                |-----file creation date (yyyymmdd)
#        |     |                |       |-contributing institution
4SEAW03RRMGD77                 51111120010306SCRIPPS INSTITUTION OF OCEANOGRAPHY    01
#                                |--platform code (ship = 1)
#                                |-platform type ("SHIP")
#country          |platform name |     |chief scientist(s)
USA               R/V Revelle    1SHIP  Christian de Moustier                      02
#project, cruise & leg                                |funding
Seaweed Expedition LEG 03                             NAVY                         03
#begin date (yyyymmdd)            |end date (yyyymmdd)
#       |port(city,country)       |       |port(city,country)
20010225Hilo, Hawaii              20010325Honolulu, Hawaii                        04
#navigation instrumentation       |position determination method
TRIMBLE TASMAN P(Y) GPS           LINEAR FIT TO 60 SEC FIXES                      05
#bathymetry instrumentation       |additional forms of depth data
SIMRAD EM120                      DIGITAL MAG. TAPE                               06
#magnetics instrumentation        |additional forms of magnetic data
                                                                                  07
#gravity instrumentation          |additional forms of gravity data
                                                                                  08
#seismic instrumentation          |formats of seismic data
                                                                                  09
# data format description (in Fortran) for seq. no. 10-11
A(I1,A8,F5.2,I4,3I2,F5.3,F8.5,F9.5,I1,F6.4,F6.1,I2,I1,3F6.1,I1,F5.1,F6.0,         10
F7.1,F6.1,F5.1,A5,A6,I1)                                                          11
#bathymetry
#digitizing rate(min)
#| |-sampling rate
#| |              |-sound velocity(meters/sec)
#| |              |     |-dep datum code
#| |              |     | |-interpolation scheme
0101PING IN H2O15000  1 MINUTE VALUES EXTRACTED FROM SEABEAM VERTICAL BEAM        12
#magnetics
#digitizing rate(min)
#| |-sampling rate(sec)
#| | |-sensor tow dist.(meters)
#| | |   |-sensor depth (meters)
#| | |   |     |-horizontal sensor separation(meters)
#| | |   |     |   |-reference field
#| | |   |     |   |       |-method of deriving residual field
                                                                                  13
#gravity
#|digitizing rate (min)
#  |-sampling rate(sec)
#  | |-code
#  | |-theoretical grav. formula(in plain language)
#  | |                   |-code
#  | |                   |-reference system (in plain language)
#  | |                   |                  |-corrections applied
                                                                                  14
#gravity continued
#|departure base station gravity(mgal)
#       |-departure base station description
#       |
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#|     |                              |-arrival base station gravity(mgal)
#|     |                                    |-arrival base stat. description
                                                                          15
#          10 degree area identifiers
#|no. of area identifiers (col 1-2) . col 3 is blank, then starting with
# column 4 for the next two lines, there are 4 columns separated by
# commas for each area identifiers.
                                                                          16
                                                                          17
#seq. line no's. 18-24 are reserved for additional documentation.
PROCESSED BY SHIPBOARD COMPUTER GROUP, SCRIPPS INSTITUTION OF OCEANOGRAPHY  18
                                                                          19
DEPTHS CORRECTED FOR 5 METER SHIP DRAFT.                                  20
NAVIGATION: DR BETWEEN 1  MINUTE INTERVAL GPS FIXES, GPS PRESENT 24 HRS/DAY 21
                                                                          22
                                                                          23
                                                                          24
```