REPORT AND INDEX OF

UNDERWAY MARINE GEOPHYSICAL DATA

Oxygen Minimum Zone

(OXMZ01MV)

R/V Melville

(Issued February 2000)

Ports:

San Diego, California (29 October 1999)

to

San Diego, California (22 November 1999)

Chief Scientist:

Alexander vanGeen, Lamont-Doherty
email: avangeen@ldeo.columbia.edu

Computer Technician - Dan Jacobson
Resident Marine Tech - Ron Comer

Post-Cruise Processing and Report Preparation by the
Geological Data Center, Scripps Institution of Oceanography
La Jolla, California 92093-0223

GDC Cruise I.D. #289

REPORT AND INDEX OF NAVIGATION
AND UNDERWAY GEOPHYSICAL DATA

Processed by the Geological Data Center
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 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: One or more of the underway data types may not be collected on a given leg. For information on the availability and reproduction costs of data in the following forms, contact S.M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093-0223. Phone: (619)534-2752, FAX: (619)534-6500, Internet email: ssmith@ucsd.edu

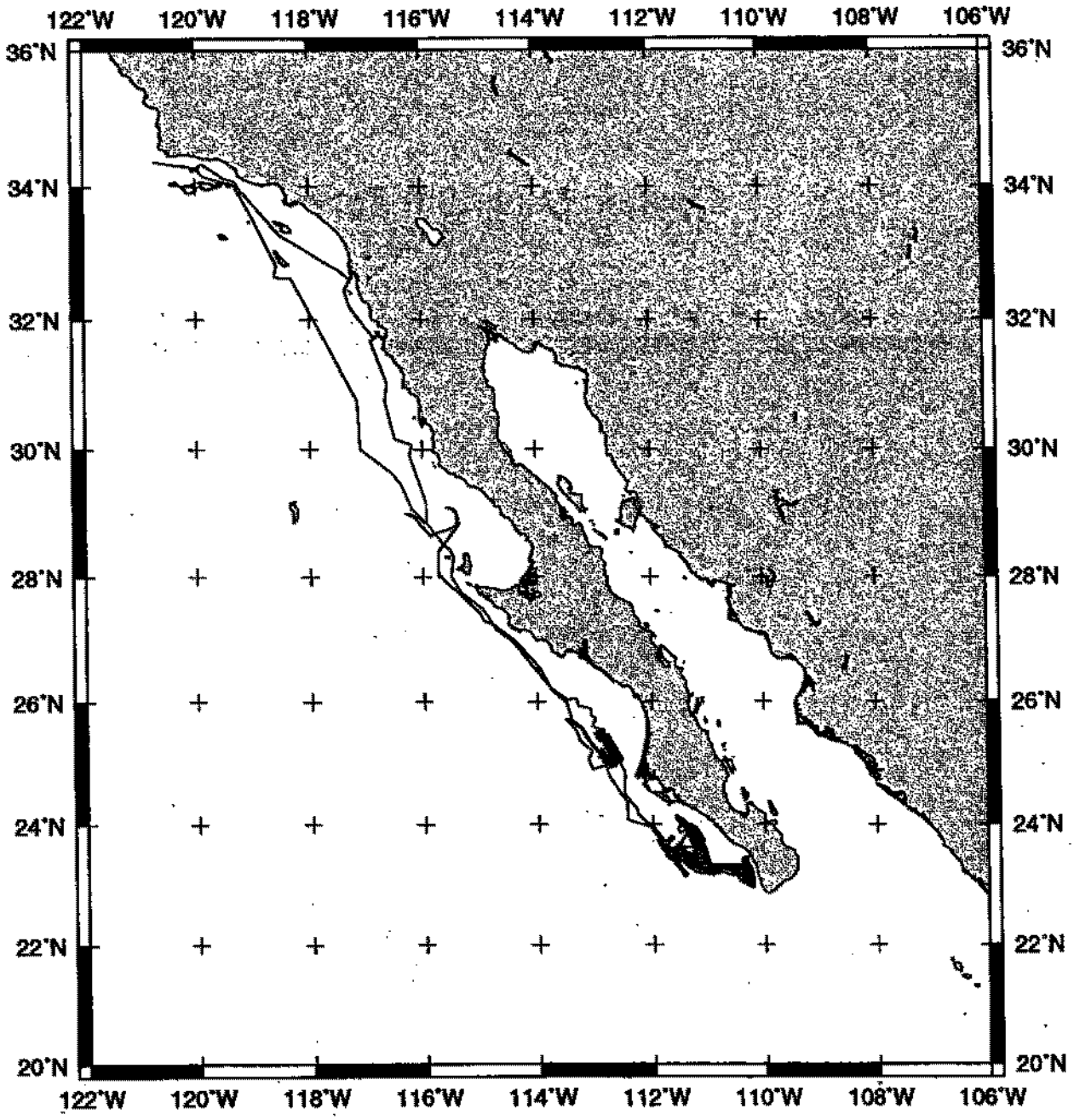
1. Files via ftp or on 8mm (Exabyte) and 4mm (DAT) magnetic tape:
   a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
   b) Above data in a single merged ASCII file in the MGD77 Exchange Format.
   c) SeaBeam depth data (binary, Sun byte order)
   d) SeaBeam Sidescan data.

2. Microfilm (35 mm flowfilm) or hard copies of:
   a) Underway watch log book.
   b) SeaBeam vertical beam profile/Sidescan records.
   c) 3.5 kHz and 12 kHz echosounder records.
   d) Seismic reflection profiler records.

3. Navigation listing with times and positions of fixes and course and speed changes.

4. Custom plots in Mercator projection:
   a) Track plots.
   b) SeaBeam depth contour plots.
   c) Depth, magnetic or gravity values printed or profiled along track.

rev 4/98



OXYGEN MINIMUM ZONE EXPEDITION LEG 01 (OXMZ01MV)

CHIEF SCIENTIST: Alexander vanGeen, Lamont-Doherty

PORTS: San Diego - San Diego, California

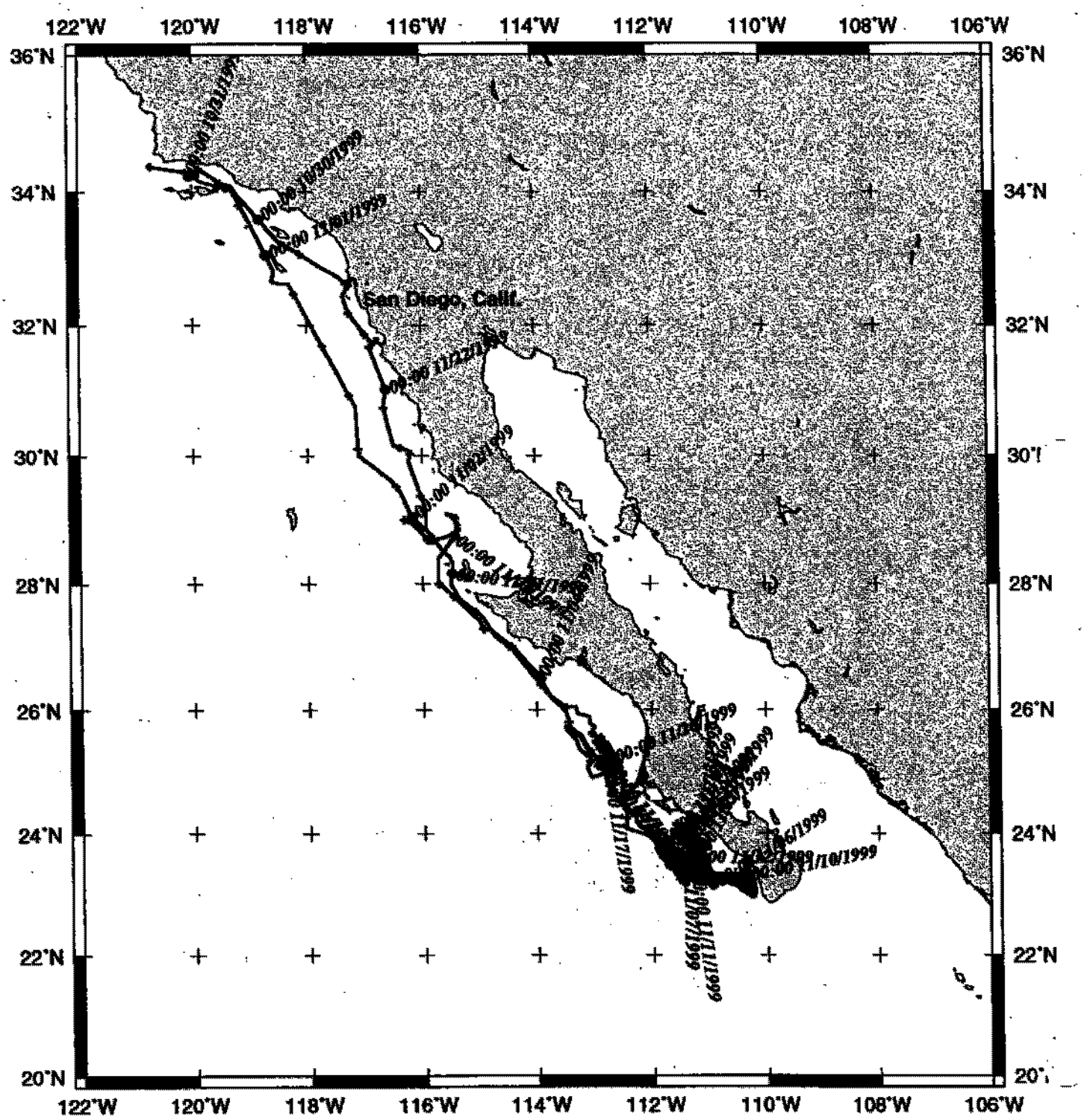
DATES: 29 October - 22 November 1999

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

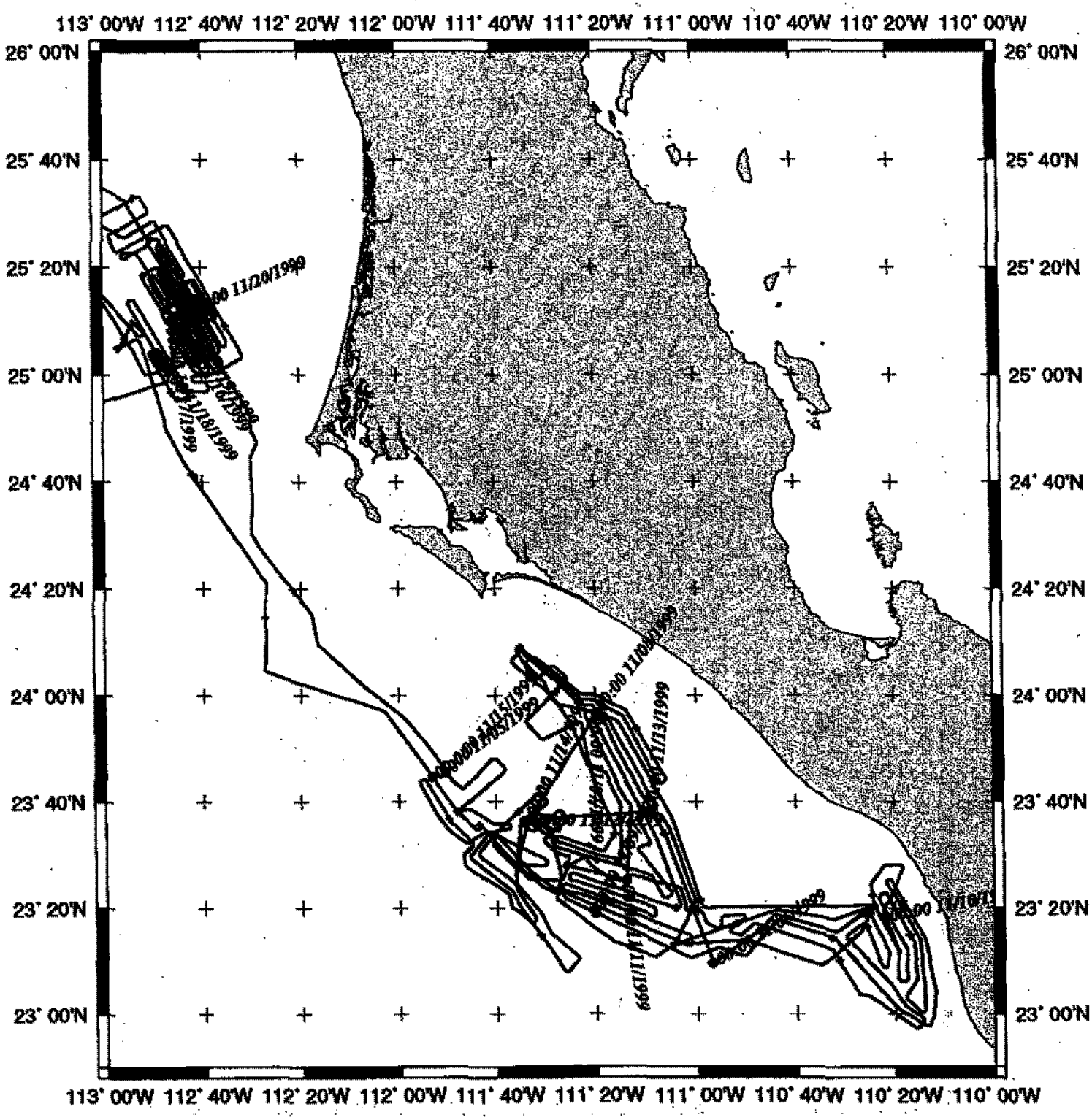
Cruise - 4331 miles	**Magnetics - none collected**
Bathymetry - 4266 miles	**Seismic Reflection - none collected**
Sea Beam - 4266 miles	**Gravity - malfunctioned**

Oxygen Minimum Zone Leg 1



GMT Jan 14 14:43 :San Diego - San Diego, California 29 October - 22 November 1999:

OXMZ01MV Surveys



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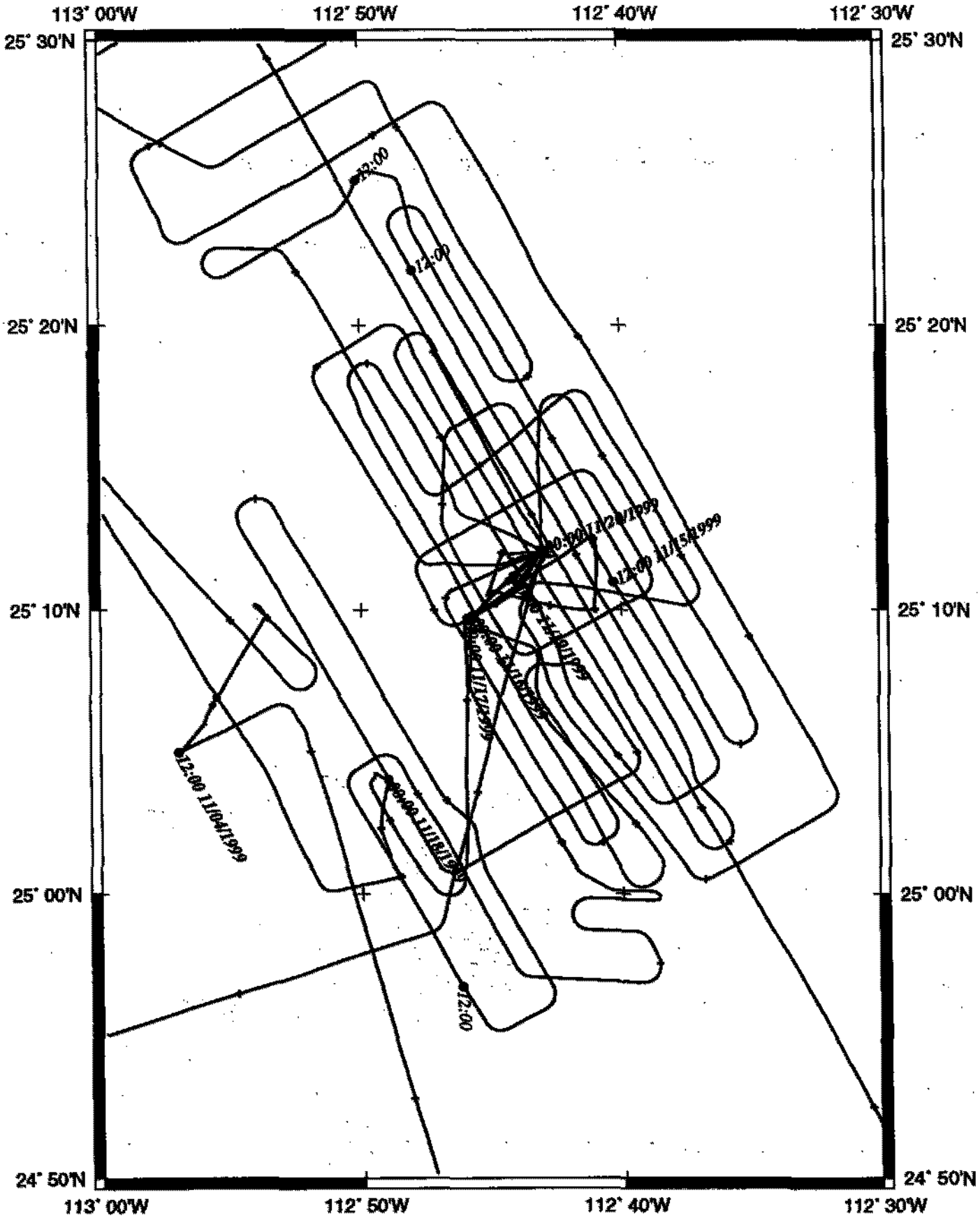

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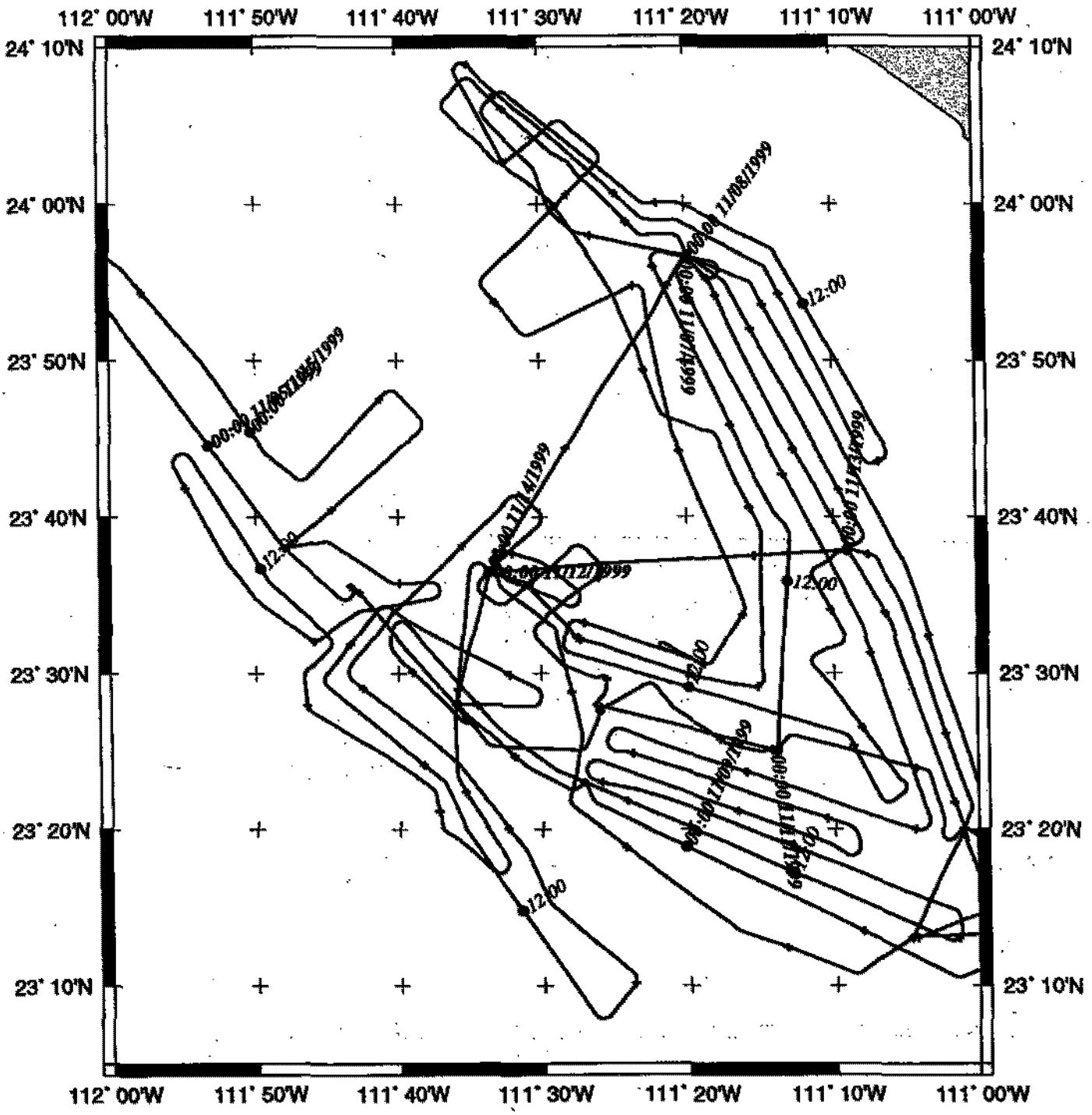

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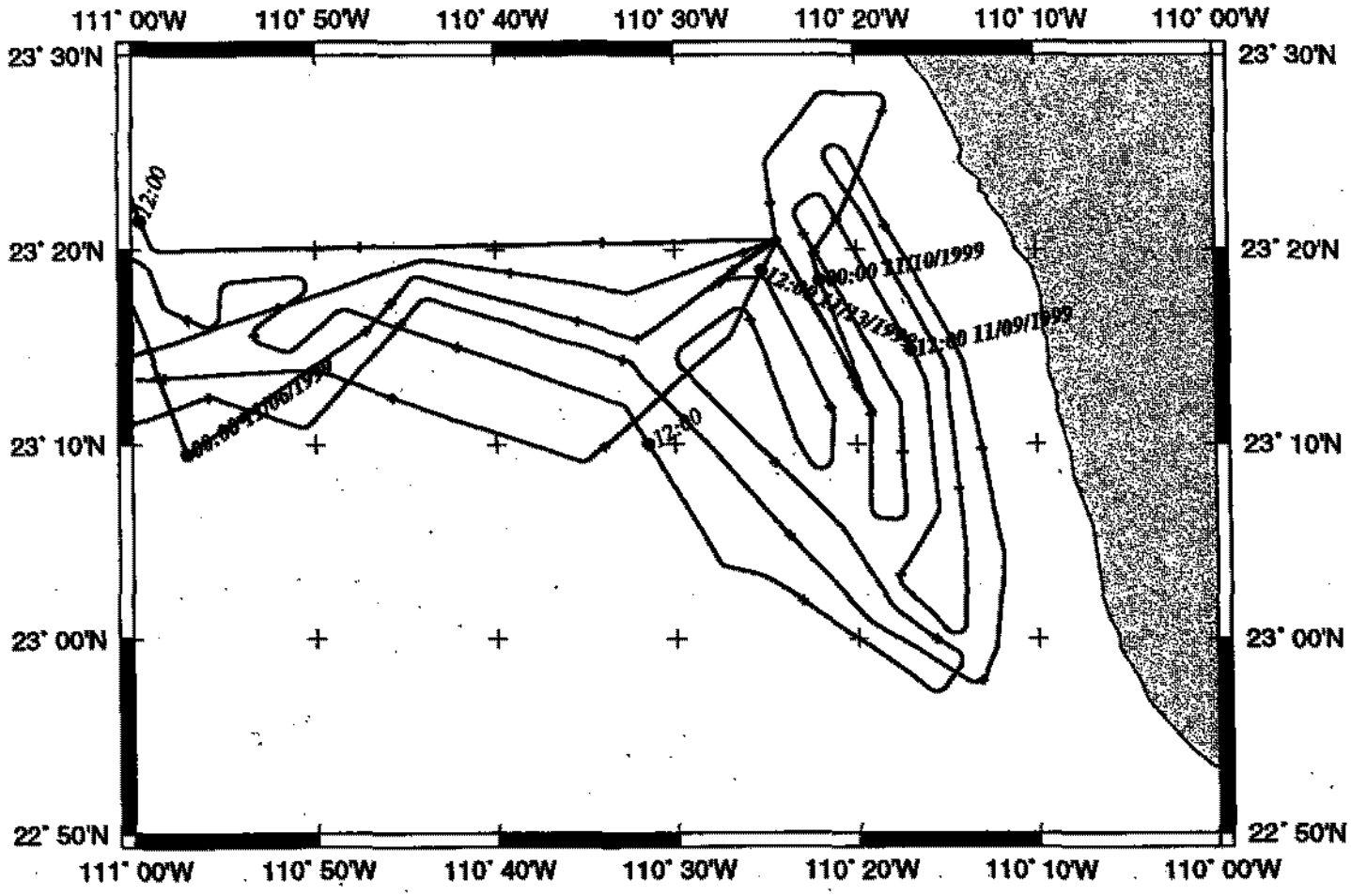

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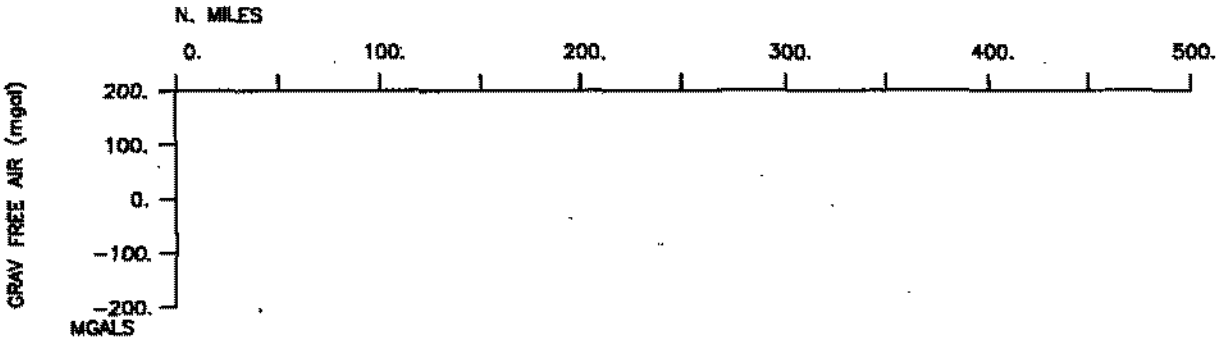
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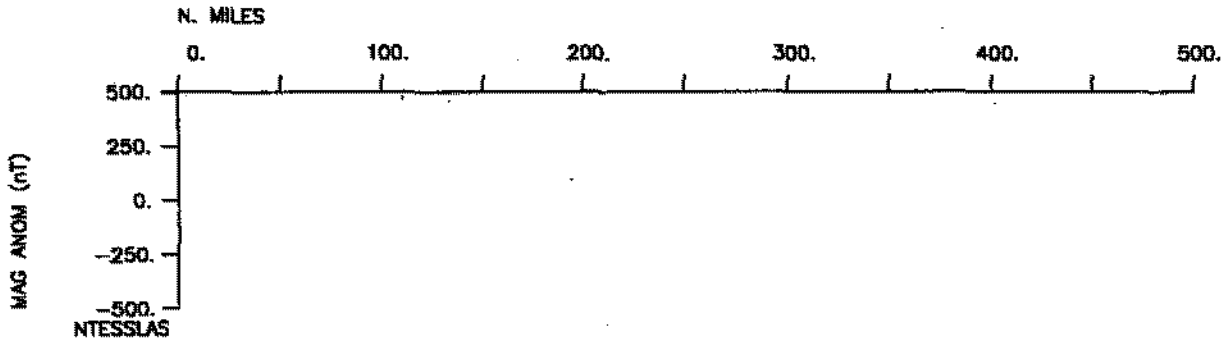
-200.
MGALS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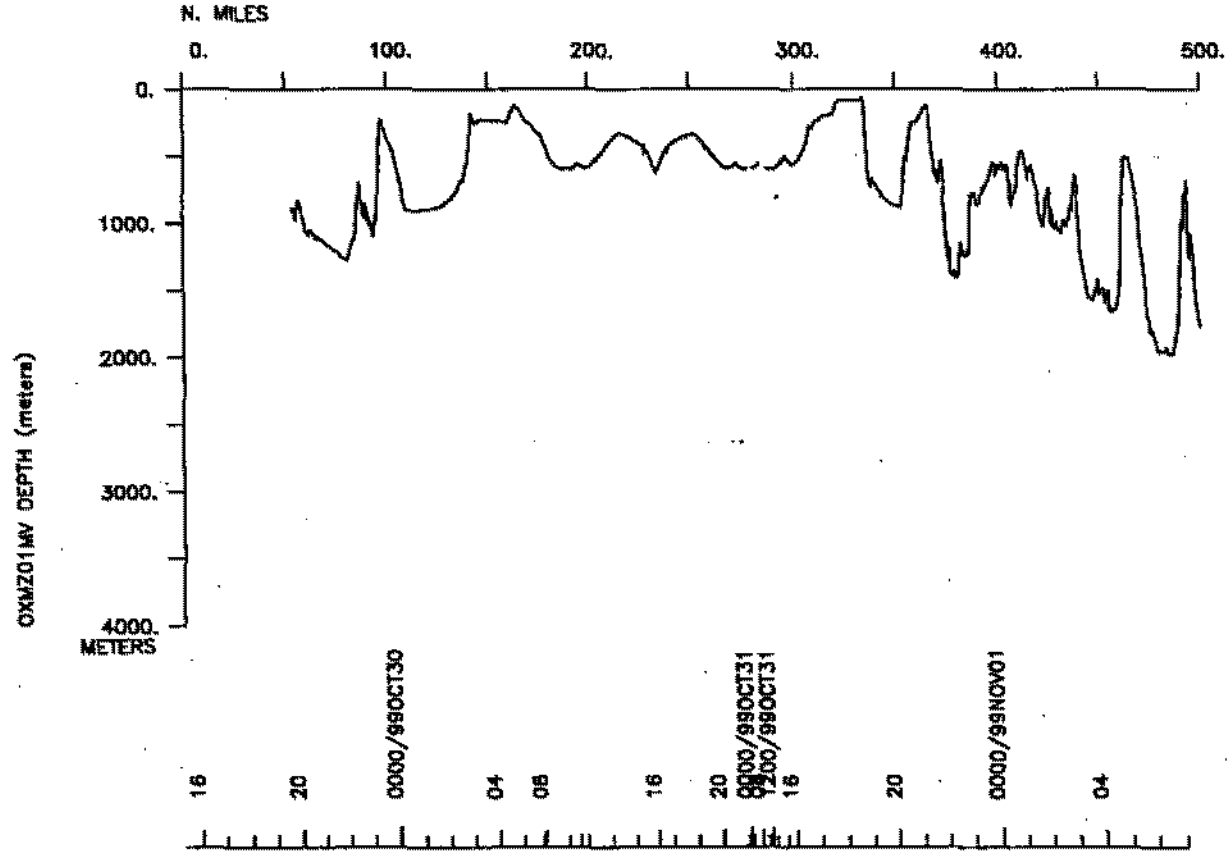
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3000.
4000.
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04
08
16
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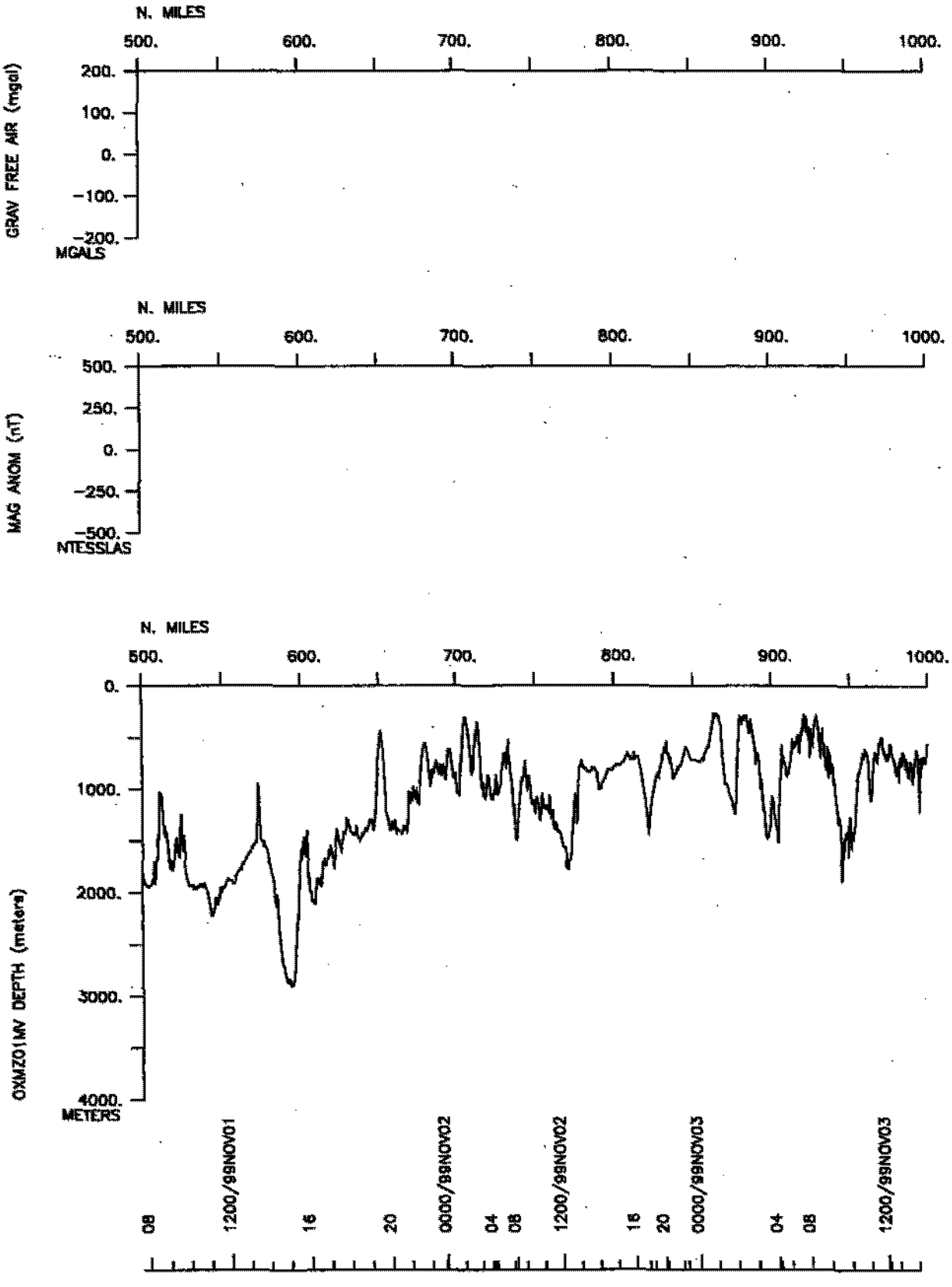
0000/99OCT31
1200/99OCT31
16
20
0000/99NOV01
04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900.
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−100.
−200.
MGALS
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600.
700.
800.
900.
1000.
MAG ANOM (nT)
500.
250.
0.
−250.
−500.
NTESSLAS
N. MILES
500.
600.
700.
800.
900.
1000.
OXMZ01MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
METERS
08
1200/99NOV01
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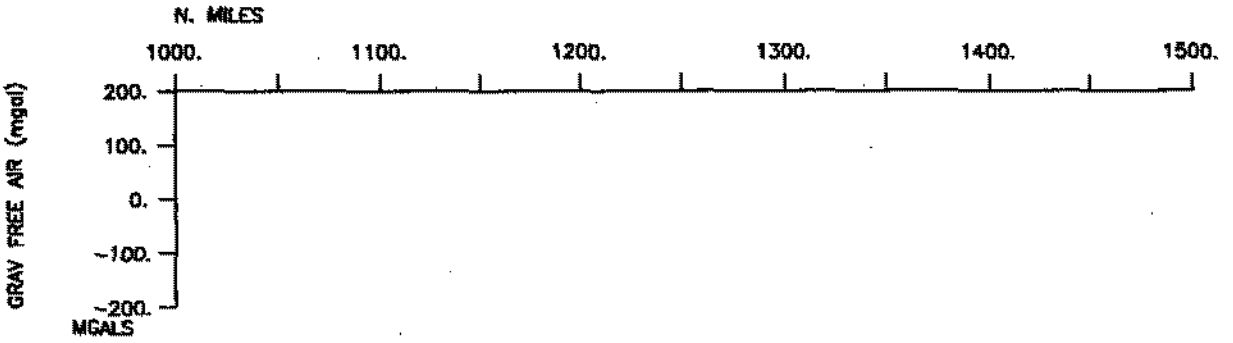
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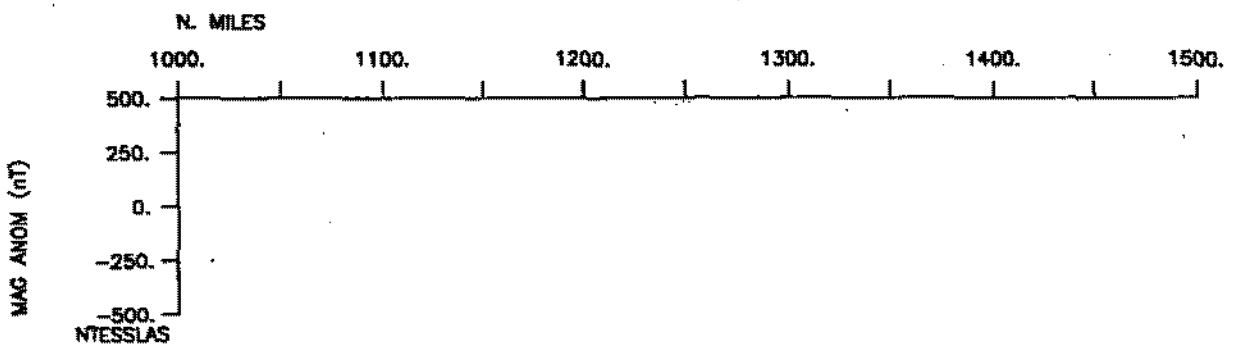
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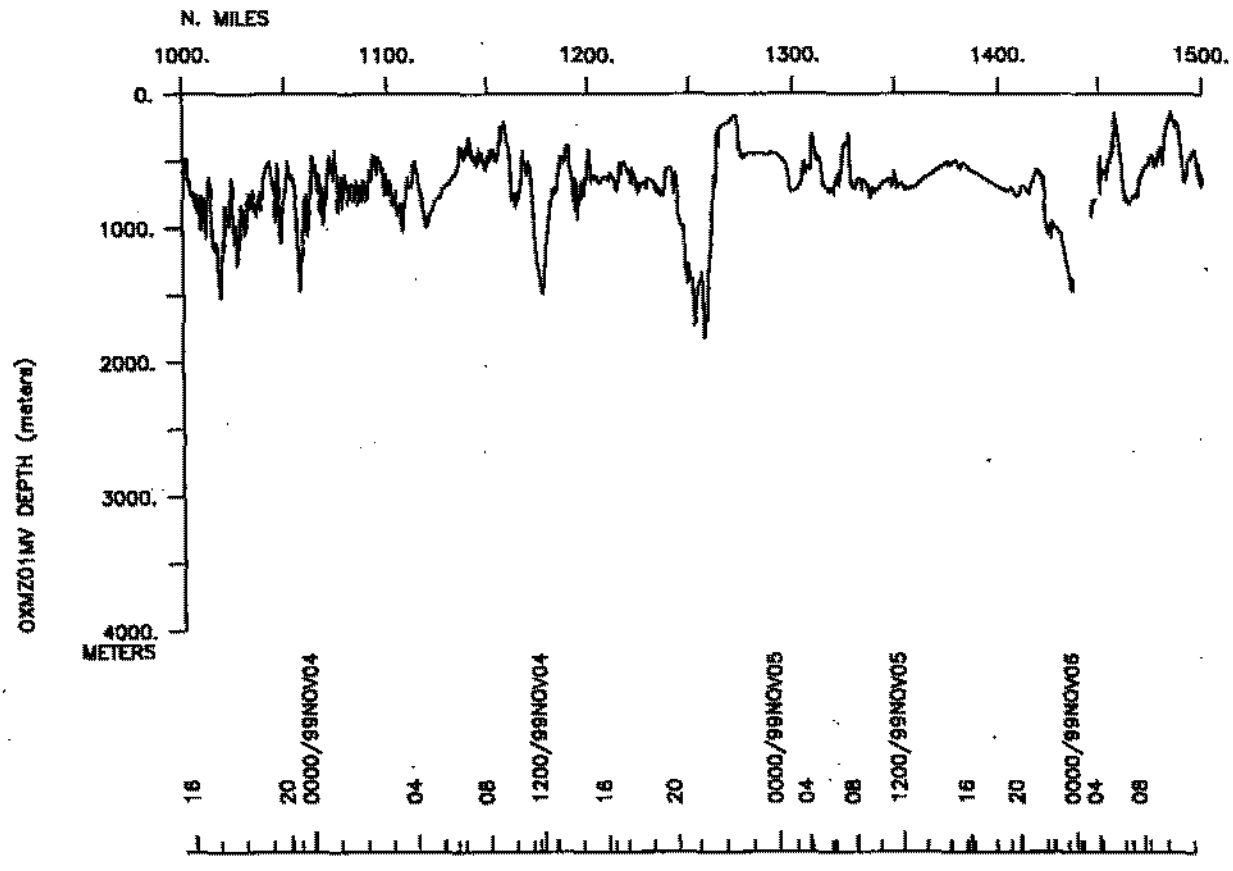
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METERS
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04
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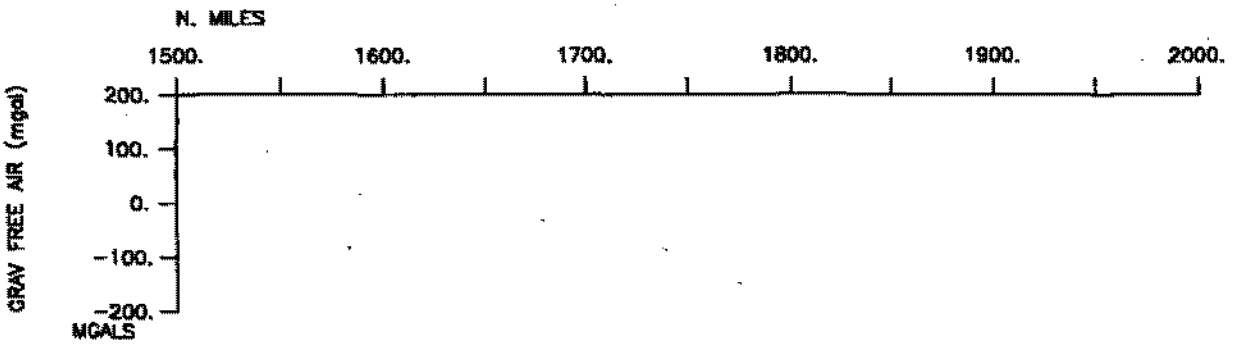
04
08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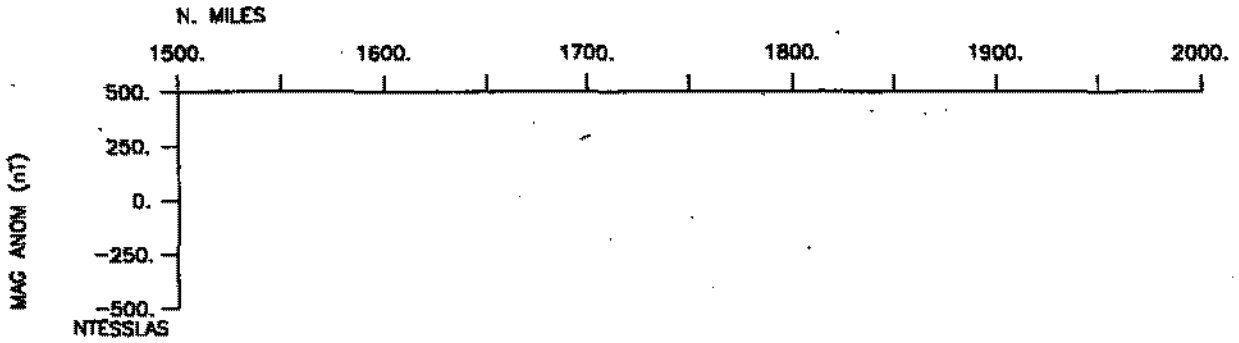
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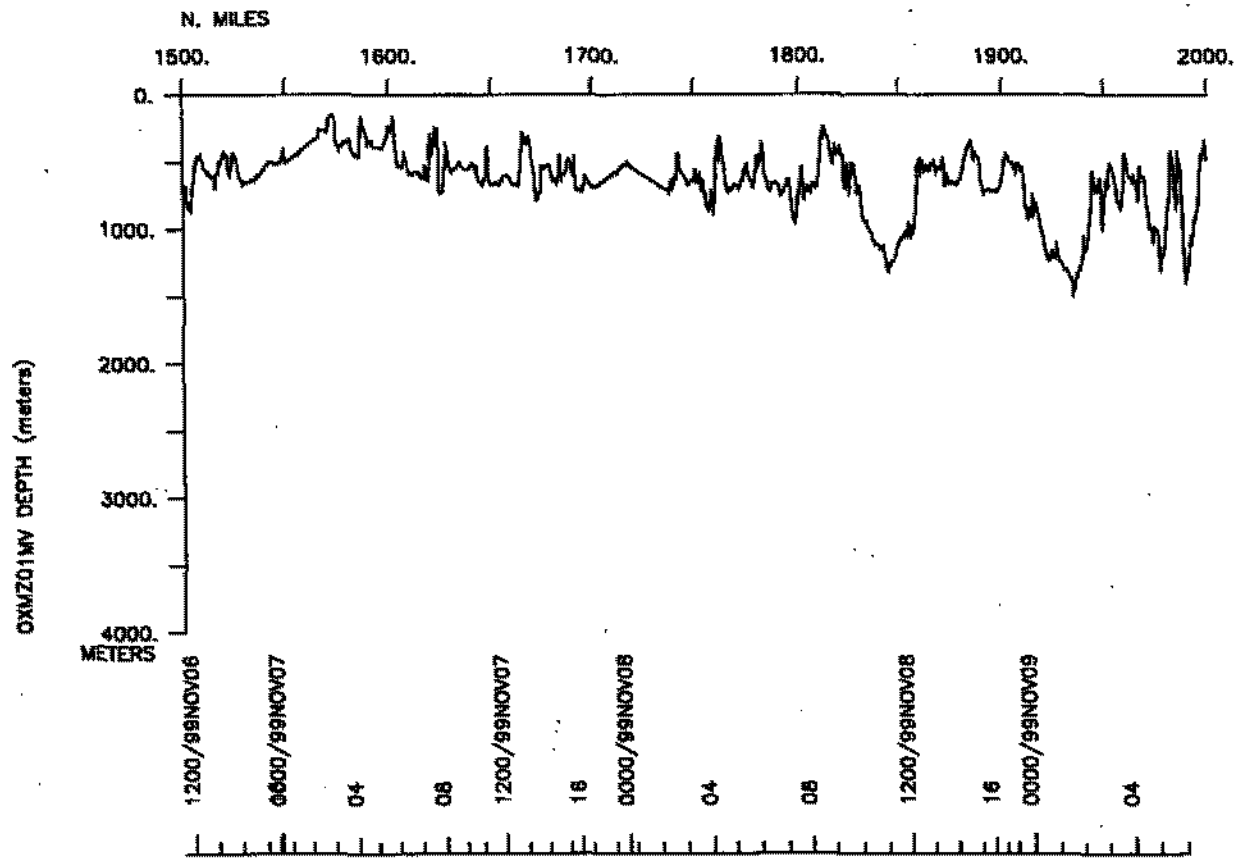
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METERS
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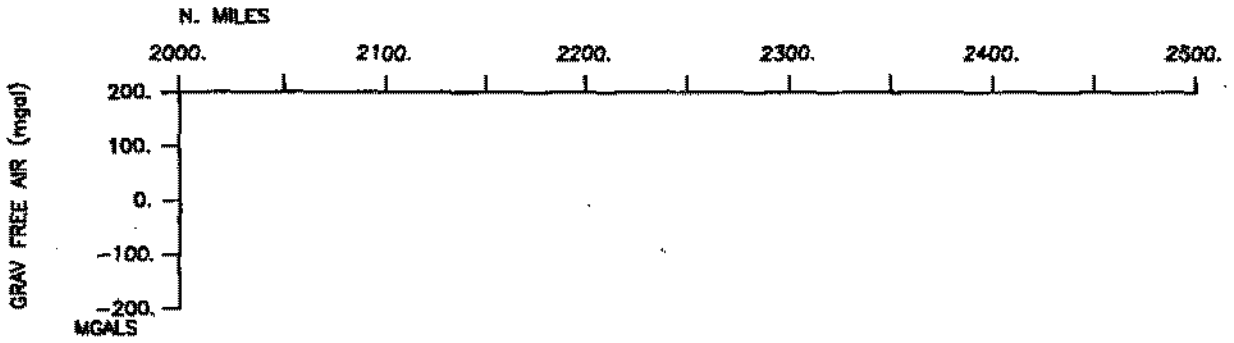
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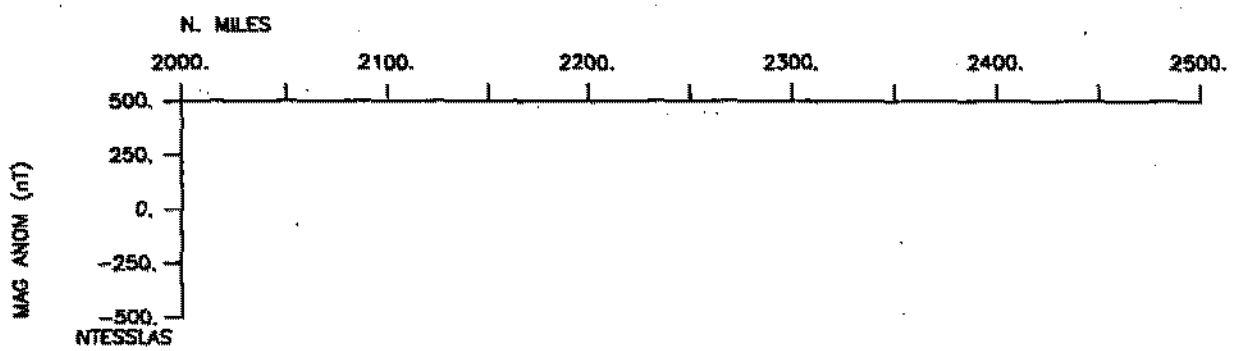
MGALS


N. MILES
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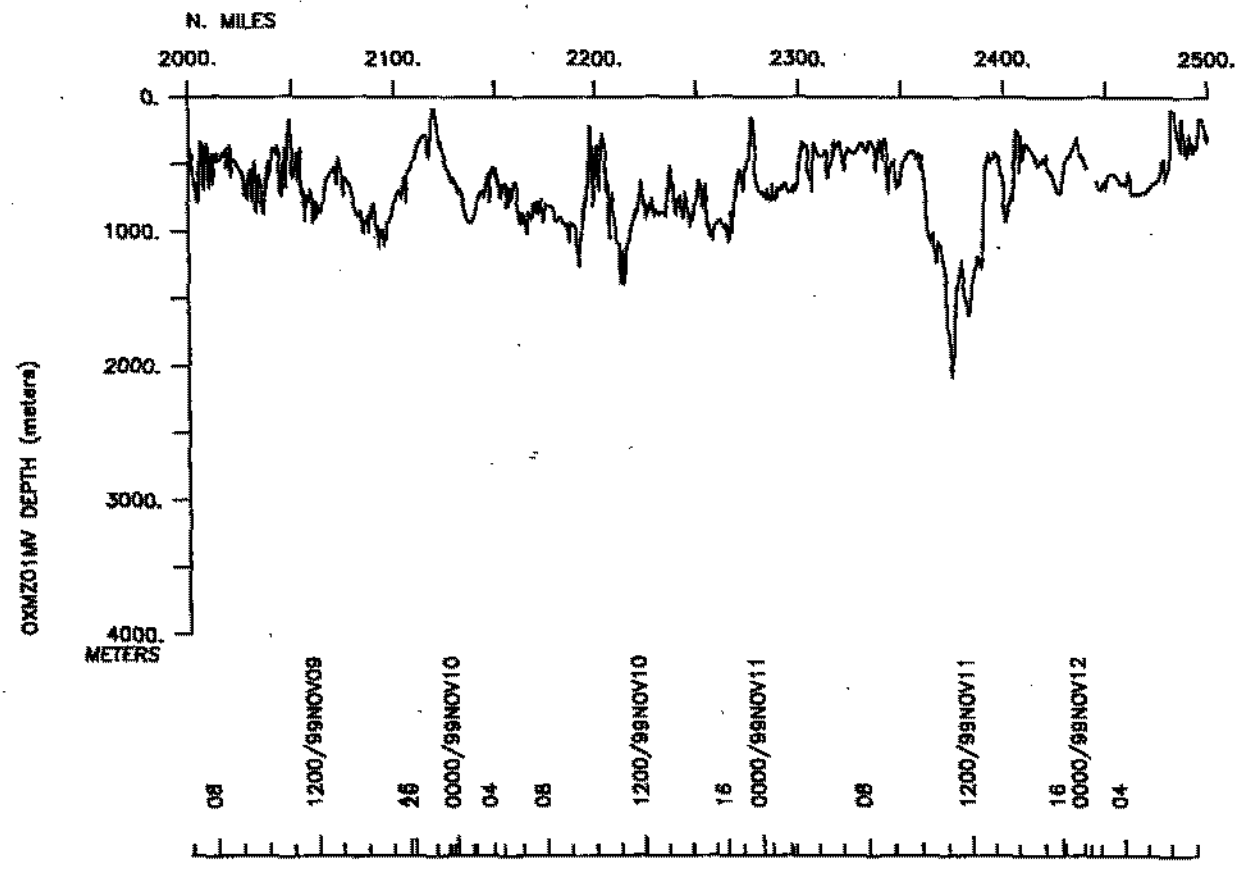
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OXMZ01MV DEPTH (meters)
0.
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2000.
3000.
4000.
METERS
08
1200/99NOV09
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0000/99NOV10
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1200/99NOV11
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0000/99NOV12
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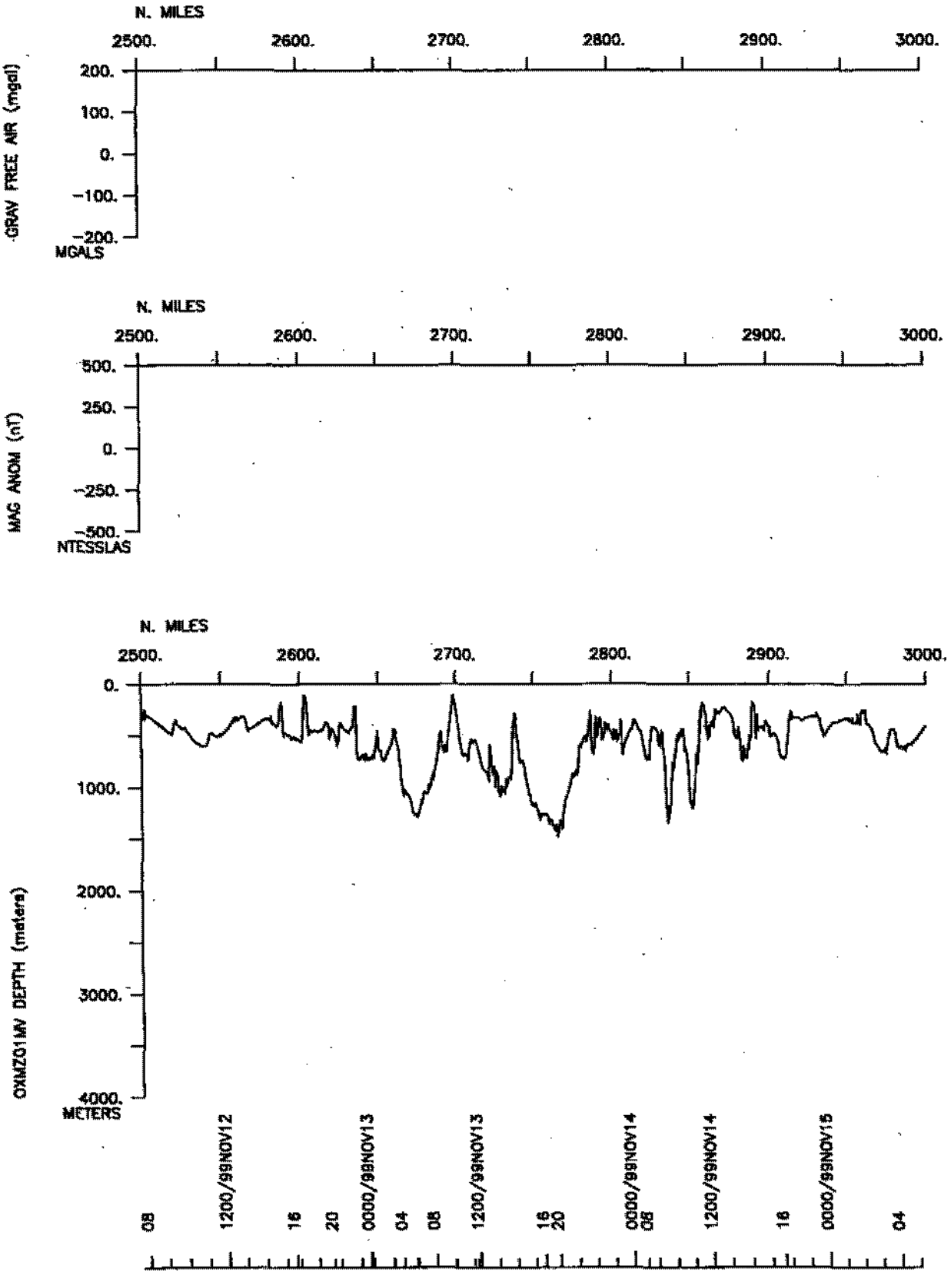
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MGALS
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2600.
2700.
2800.
2900.
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MAG ANOM (nT)
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250.
0.
-250.
-500.
NTESSLAS
N. MILES
2500.
2600.
2700.
2800.
2900.
3000.
OXMZ01MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
METERS
08
1200/99NOV12
16
20
0000/99NOV13
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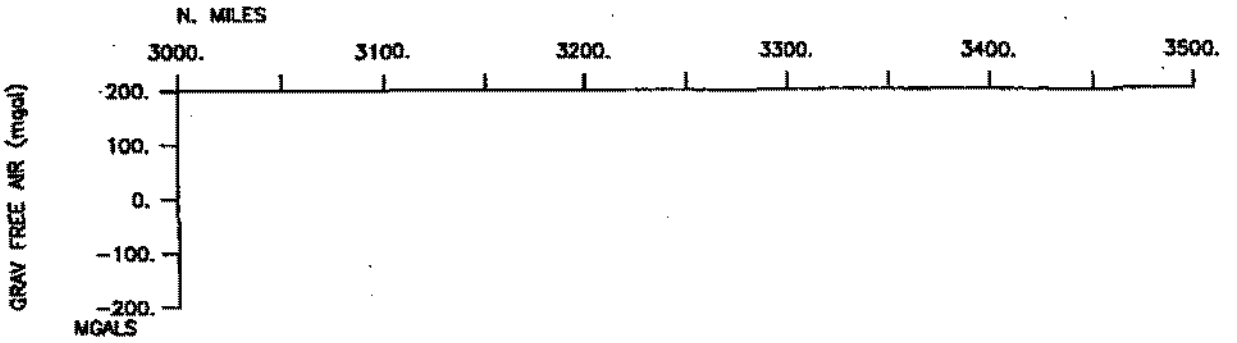
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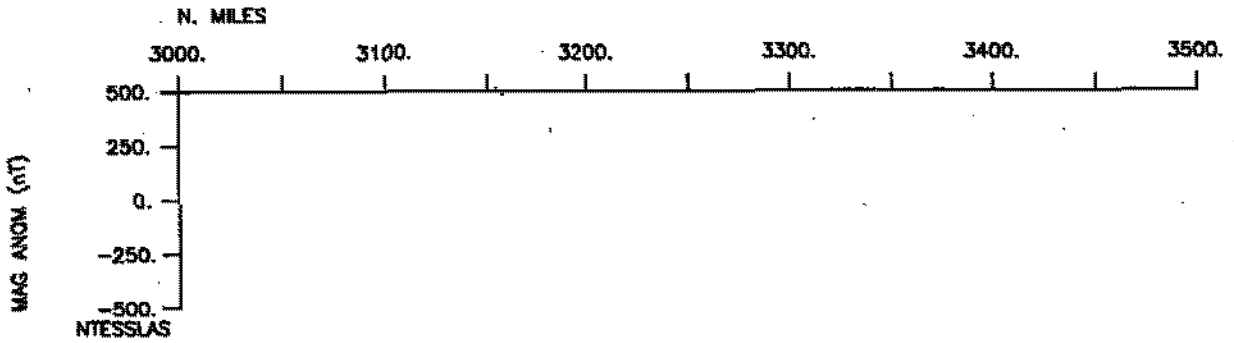
MGALS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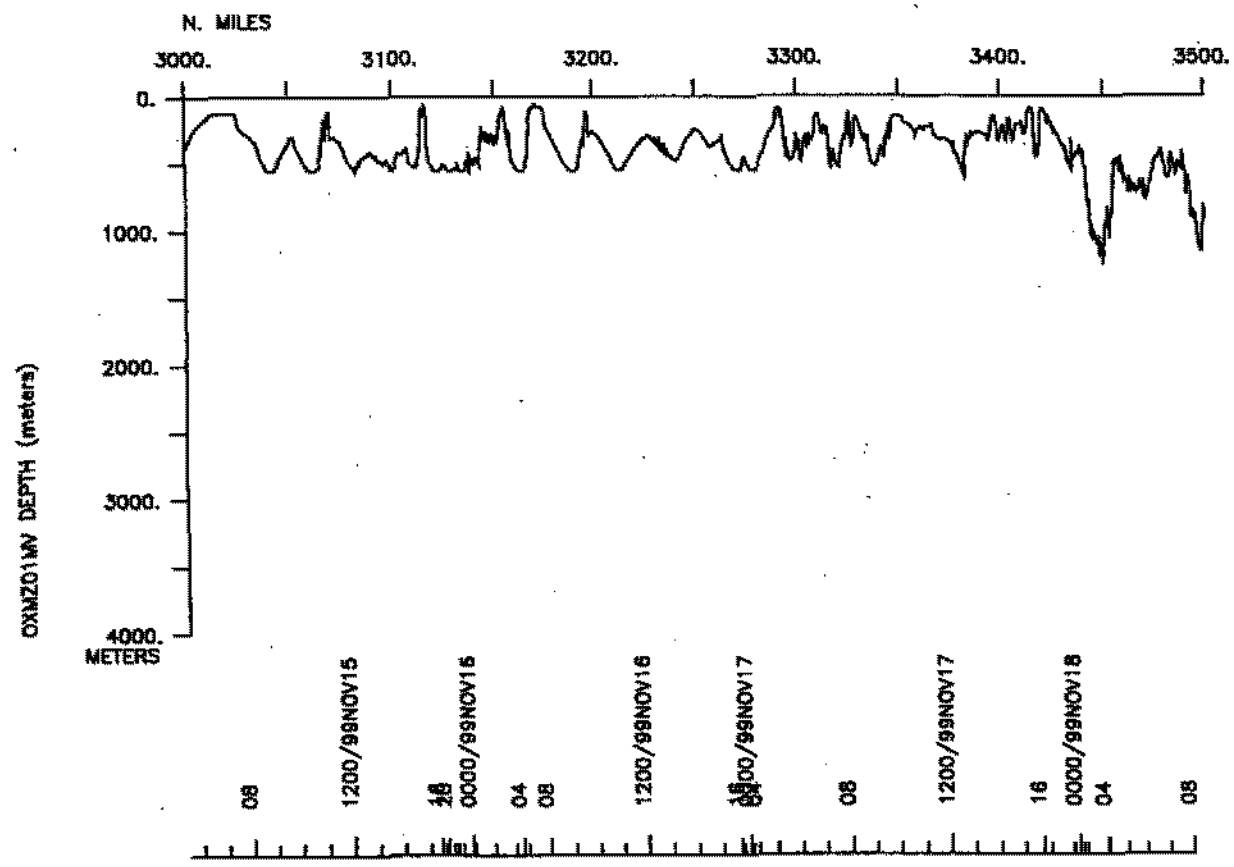
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3000.
4000.
METERS
08
1200/99NOV15
16
0000/99NOV16
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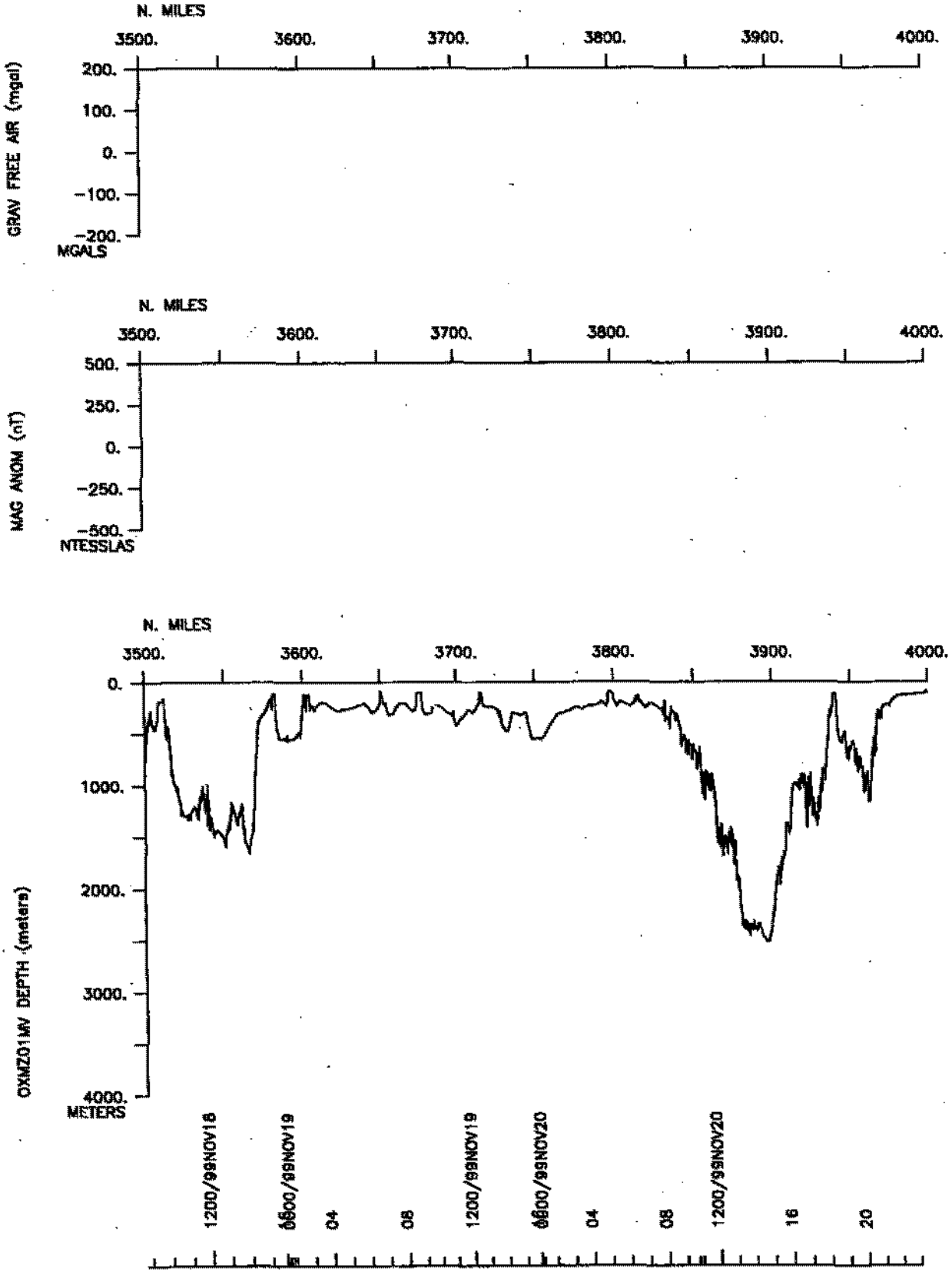
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-100.
-200.
MGALS
N. MILES
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3600.
3700.
3800.
3900.
4000.
MAG ANOM (nT)
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NTESSLAS
N. MILES
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3600.
3700.
3800.
3900.
4000.
OXMZ01MV DEPTH (meters)
0.
1000.
2000.
3000.
4000.
METERS
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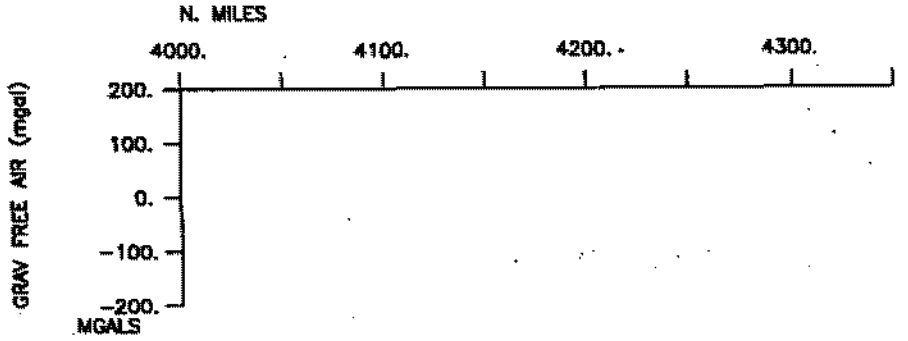
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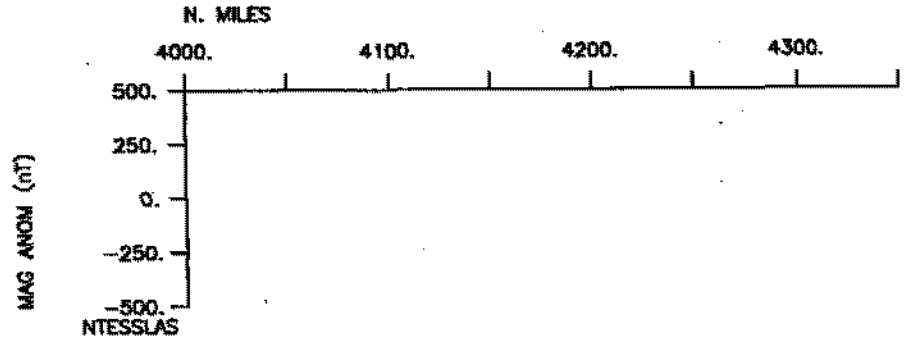
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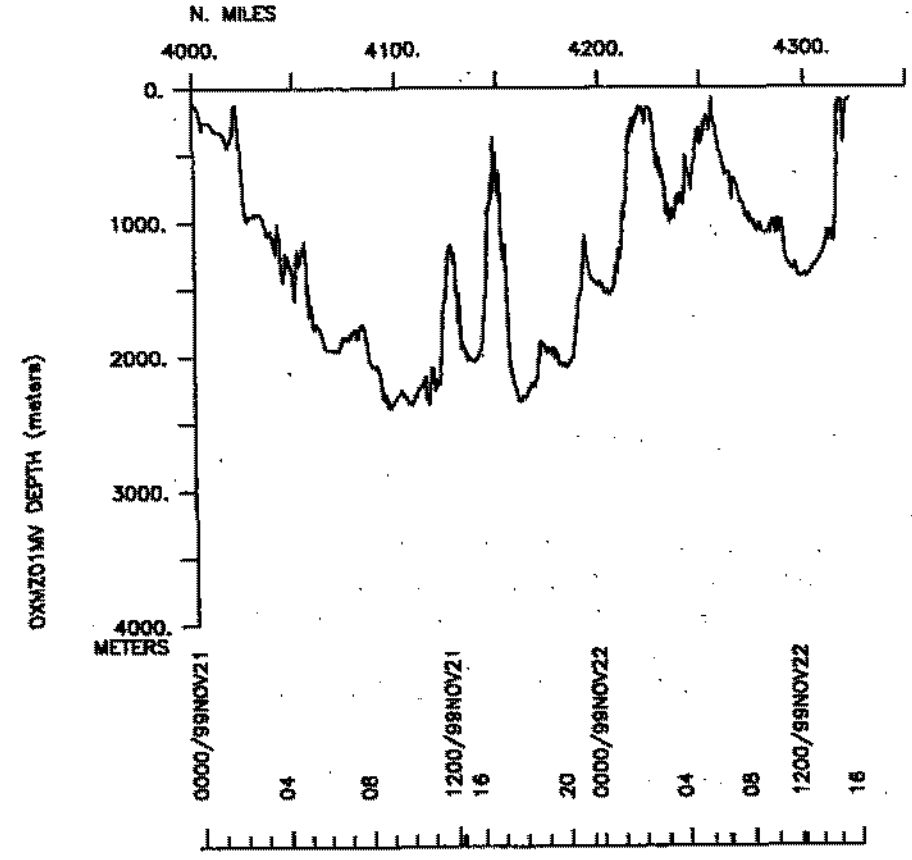
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METERS
0000/99NOV21
04
08
1200/99NOV21
16
20
0000/99NOV22
04
08
1200/99NOV22
16

S.I.O. SAMPLE INDEX

Oxygen Minimum Zone Expedition

LEG 1

(OXMZ01MV)

R/V Melville

(Issued February 2000)

Ports:

San Diego, California (29 October 1999)

to

San Diego, California (22 November 1999)

Chief Scientist:

Alexander vanGeen, Lamont-Doherty

The Sample Index is a first level interdisiplinary 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. Geological Data Center 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 Geological Data Center.)

GDC Cruise I.D.# 289

#*** Ports ***

1500 291099 LGPT B San Diego, CA 32-40.00N 117-14.00W f OXMZ01MV
1630 221199 LGPT E San Diego, CA 32-40.00N 117-14.00W f OXMZ01MV

#*** Personnel ***

#		********NAME********	******TITLE******	*****AFFILIATION****	**CRID**
PECS	LDEO	van Geen,Dr.A.	Chief Scientist	Lamont-Doherty	OXMZ01MV
PESP	USGS	Dean,Dr.W.	Scientist	U.S.Geol.Survey	OXMZ01MV
PESP	PRC	Zheng,Dr.Y.	Scientist	Peoples Rep. China	OXMZ01MV
PESP	SIX	Bernhard,Dr.J.	Scientist	U.of So.Carolina	OXMZ01MV
PEXN	MEX	Carriquiry,Dr. J.	Scientist	Mexico	OXMZ01MV
PESP	WHOI	Pearson,Dr.A.	Scientist	Woods Hole	OXMZ01MV
PESP	SIX	Pike,Dr.J.	Scientist	Cardiff U.,Wales,UK	OXMZ01MV
PEMT	OSU	Kalk,P.	Marine tech.	Oregon State Univ.	OXMZ01MV
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PECT	STS	Jacobson,D.	Computer tech.	Scripps Institution	OXMZ01MV
PESP	LDEO	Hanley,J.	Technician	Lamont-Doherty	OXMZ01MV
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PEST	MEX	Ortiz,E.	Grad. Student	U. ABC Mexico	OXMZ01MV
PEST	UCD	Risden,C.	Grad. Student	U.C. Davis	OXMZ01MV
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PEST	PTU	Brunkhurst,G.	Grad. Student	Princeton U.	OXMZ01MV
PEST	UCSB	Cannariato,K.G.	Grad. Student	U.C.Santa Barbara	OXMZ01MV
PEST	SIX	Delviscio,J.	Grad. Student	Wesleyan U.	OXMZ01MV
PEST	GRD	Eakins,B.	Grad. Student	Scripps Institution	OXMZ01MV
PEST	SIX	Abend,H.	Student	Queens College	OXMZ01MV
PEST	UWA	Knapp,A.	Grad. Student	U. of Washington	OXMZ01MV
PEST	UWA	Raker,B.	Grad. Student	U. of Washington	OXMZ01MV
PEST	SIX	Spillekom,I.	Grad. Student	U. of Free Amsterdam	OXMZ01MV
PEST	SIX	Korevaar,A.	Grad. Student	U. of Free Amsterdam	OXMZ01MV
PEST	SIX	Koning	Grad. Student	U. of Free Amsterdam	OXMZ01MV
PEST	SIX	John,T.	Grad. Student	U. of Free Amsterdam	OXMZ01MV

#*** 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 #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	P C	CRUISE LEG-SHIP
#*** Underway Data Curator - S. M. Smith ext. 42752 ***									
#*** Log Books ***									
1500 291099	0	LBUW	B	Underway log book	GDC	32-42.40N	117-14.18W	g	OXMZ01MV
1544 221199	0	LBUW	E	Underway log book	GDC	32-33.77N	117-17.18W	g	OXMZ01MV
#*** Digital Gravity ***									
1500 291099	0	GVDR	B	digital gravity	GDC	32-42.40N	117-14.18W	g	OXMZ01MV
1630 221199	0	GVDR	E	digital gravity	GDC	32-39.98N	117-13.63W	g	OXMZ01MV
#*** Integrated Meteorological Acquisition System **									
2354 291099	0	IMET	B	weather parameters	GDC	33-34.26N	118-48.71W	g	OXMZ01MV
1630 221199	0	IMET	E	weather parameters	GDC	32-39.98N	117-13.63W	g	OXMZ01MV
#*** Acoustic Doppler Current Profiler ***									
1600 291099	0	ADCP	B	acoustic doppler	GDC	32-37.51N	117-18.17W	g	OXMZ01MV
1630 221199	0	ADCP	E	current profiler	GDC	32-39.98N	117-13.63W	g	OXMZ01MV
#*** Sea Beam Records ***									
2133 291099	0	MBSR	B	v.beam&sidescan r-01	GDC	33-13.57N	118-25.65W	g	OXMZ01MV
0406 031199	0	MBSR	E	v.beam&sidescan r-01	GDC	27-59.90N	115-43.12W	g	OXMZ01MV
0543 031199	0	MBSR	B	v.beam&sidescan r-02	GDC	27-59.90N	115-43.13W	g	OXMZ01MV
0828 061199	0	MBSR	E	v.beam&sidescan r-02	GDC	23-20.40N	110-24.38W	g	OXMZ01MV
0912 061199	0	MBSR	B	v.beam&sidescan r-03	GDC	23-20.43N	110-24.39W	g	OXMZ01MV
1547 111199	0	MBSR	E	v.beam&sidescan r-03	GDC	23-27.99N	111-35.93W	g	OXMZ01MV
2150 111199	0	MBSR	B	v.beam&sidescan r-04	GDC	23-28.04N	111-35.91W	g	OXMZ01MV
0000 141199	0	MBSR	E	v.beam&sidescan r-04	GDC	23-36.48N	111-33.38W	g	OXMZ01MV
0005 141199	0	MBSR	B	v.beam&sidescan r-05	GDC	23-36.51N	111-33.43W	g	OXMZ01MV
0044 181199	0	MBSR	E	v.beam&sidescan r-05	GDC	25-02.33N	112-49.28W	g	OXMZ01MV
0135 181199	0	MBSR	B	v.beam&sidescan r-06	GDC	25-02.26N	112-49.29W	g	OXMZ01MV
1312 191199	0	MBSR	E	v.beam&sidescan r-06	GDC	25-19.96N	112-51.09W	g	OXMZ01MV
1338 191199	0	MBSR	B	v.beam&sidescan r-07	GDC	25-15.66N	112-48.45W	g	OXMZ01MV
1544 221199	0	MBSR	E	v.beam&sidescan r-07	GDC	32-33.77N	117-17.18W	g	OXMZ01MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	P C	CRUISE LEG-SHIP
#*** Echo Sounder Records ***										
0117	301099	0	DPR3	B	Knudson 3.5khz r-01	GDC	33-47.30N	119-02.15W	g	OXMZ01MV
0400	031199	0	DPR3	E	Knudsen 3.5khz r-01	GDC	28-00.06N	115-43.04W	g	OXMZ01MV
0543	031199	0	DPR3	B	Knudson 3.5khz r-02	GDC	27-59.90N	115-43.13W	g	OXMZ01MV
0641	061199	0	DPR3	E	Knudsen 3.5khz r-02	GDC	23-15.41N	110-32.09W	g	OXMZ01MV
0725	061199	0	DPR3	B	Knudson 3.5khz r-03	GDC	23-15.43N	110-32.03W	g	OXMZ01MV
1547	111199	0	DPR3	E	Knudsen 3.5khz r-03	GDC	23-27.99N	111-35.93W	g	OXMZ01MV
2150	111199	0	DPR3	B	Knudson 3.5khz r-04	GDC	23-28.04N	111-35.91W	g	OXMZ01MV
0634	141199	0	DPR3	E	Knudsen 3.5khz r-04	GDC	23-28.03N	111-35.92W	g	OXMZ01MV
0655	141199	0	DPR3	B	Knudson 3.5khz r-05	GDC	23-28.04N	111-35.91W	g	OXMZ01MV
0044	181199	0	DPR3	E	Knudsen 3.5khz r-05	GDC	25-02.33N	112-49.28W	g	OXMZ01MV
0135	181199	0	DPR3	B	Knudson 3.5khz r-06	GDC	25-02.26N	112-49.29W	g	OXMZ01MV
0028	211199	0	DPR3	E	Knudsen 3.5khz r-06	GDC	28-14.64N	115-27.88W	g	OXMZ01MV
0033	211199	0	DPR3	B	Knudson 3.5khz r-07	GDC	28-15.50N	115-27.77W	g	OXMZ01MV
1544	221199	0	DPR3	E	Knudsen 3.5khz r-07	GDC	32-33.77N	117-17.18W	g	OXMZ01MV
#*** King Kong Gravity Cores ***										
1125	311099	0	COKK		gravity core 1 557m	LDEO	34-14.00N	120-03.00W	g	OXMZ01MV
1457	311099	0	COKK		gravity core 2 496m	LDEO	34-18.00N	119-56.00W	g	OXMZ01MV
2312	011199	0	COKK		gravity core 3 920m	LDEO	29-03.50N	116-10.50W	g	OXMZ01MV
0312	021199	0	COKK		gravity core 4 1105m	LDEO	28-56.00N	116-03.75W	g	OXMZ01MV
0445	021199	0	COKK		gravity core 5 1053m	LDEO	28-55.98N	116-04.32W	g	OXMZ01MV
2020	021199	0	COKK		gravity core 6 601m	LDEO	29-02.11N	115-24.62W	g	OXMZ01MV
2243	021199	0	COKK		gravity core 7 605m	LDEO	28-51.47N	115-19.85W	g	OXMZ01MV
1247	031199	0	COKK		gravity core 8 680m	LDEO	27-16.97N	114-54.50W	g	OXMZ01MV
2031	031199	0	COKK		gravity core 9 641m	LDEO	26-32.28N	113-57.25W	g	OXMZ01MV
0603	041199	0	COKK		gravity core 10 607m	LDEO	25-33.37N	113-13.15W	g	OXMZ01MV
1010	041199	0	COKK		gravity core 11 555m	LDEO	25-09.71N	112-53.63W	g	OXMZ01MV
1632	041199	0	COKK		gravity core 12 558m	LDEO	24-41.54N	112-42.21W	g	OXMZ01MV
0106	051199	0	COKK		gravity core 13 718m	LDEO	23-38.00N	111-48.00W	g	OXMZ01MV
0422	051199	0	COKK		gravity core 14 552m	LDEO	23-35.48N	111-43.25W	g	OXMZ01MV
0615	051199	0	COKK		gravity core 15 713m	LDEO	23-27.99N	111-35.92W	g	OXMZ01MV
0821	051199	0	COKK		gravity core 16 780m	LDEO	23-27.57N	111-25.97W	g	OXMZ01MV
1022	051199	0	COKK		gravity core 17 715m	LDEO	23-24.98N	111-13.93W	g	OXMZ01MV
1510	051199	0	COKK		gravity core 18 505m	LDEO	23-56.64N	111-19.79W	g	OXMZ01MV
1621	051199	0	COKK		gravity core 19 535m	LDEO	23-55.24N	111-18.47W	g	OXMZ01MV
1904	051199	0	COKK		gravity core 20 727m	LDEO	23-37.84N	111-09.01W	g	OXMZ01MV
2148	051199	0	COKK		gravity core 21 976m	LDEO	23-20.06N	111-01.02W	g	OXMZ01MV
0415	061199	0	COKK		gravity core 22 798m	LDEO	23-15.79N	110-47.22W	g	OXMZ01MV
0639	061199	0	COKK		gravity core 23 808m	LDEO	23-15.41N	110-32.08W	g	OXMZ01MV
0843	061199	0	COKK		gravity core 24 554m	LDEO	23-20.42N	110-24.38W	g	OXMZ01MV
0922	071199	0	COKK		gravity core 25 565m	LDEO	23-30.59N	111-18.91W	g	OXMZ01MV
2247	081199	0	COKK		gravity core 26 532m	LDEO	23-23.01N	111-27.11W	g	OXMZ01MV
2159	091199	0	COKK		gravity core 27 545m	LDEO	23-21.50N	110-21.00W	g	OXMZ01MV
2312	091199	0	COKK		gravity core 28 611m	LDEO	23-19.80N	110-22.30W	g	OXMZ01MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	P C	CRUISE LEG-SHIP
0103	101199	0	COKK		gravity core 29 934m	LDEO	23-11.50N	110-19.19W	g	OXMZ01MV
0505	101199	0	COKK		gravity core 30 707m	LDEO	23-18.30N	110-27.53W	g	OXMZ01MV
2046	111199	0	COKK		gravity core 31 715m	LDEO	23-28.03N	111-35.91W	g	OXMZ01MV
2331	111199	0	COKK		gravity core 32 440m	LDEO	23-36.50N	111-33.50W	g	OXMZ01MV
0052	121199	0	COKK		gravity core 33 518m	LDEO	23-35.74N	111-30.69W	g	OXMZ01MV
0216	121199	0	COKK		gravity core 34 638m	LDEO	23-32.25N	111-27.50W	g	OXMZ01MV
1613	121199	0	COKK		gravity core 35 504m	LDEO	23-56.63N	111-19.79W	g	OXMZ01MV
0005	131199	0	COKK		gravity core 36 711m	LDEO	23-37.86N	111-09.04W	g	OXMZ01MV
0302	131199	0	COKK		gravity core 37 974m	LDEO	23-20.08N	111-01.02W	g	OXMZ01MV
0538	131199	0	COKK		gravity core 381269m	LDEO	23-13.06N	111-04.74W	g	OXMZ01MV
1105	131199	0	COKK		gravity core 39 544m	LDEO	23-20.44N	110-24.38W	g	OXMZ01MV
2103	141199	0	COKK		gravity core 40 720m	LDEO	23-38.03N	111-48.00W	g	OXMZ01MV
1731	151199	0	COKK		gravity core 41 542m	LDEO	25-12.00N	112-43.00W	g	OXMZ01MV
1850	151199	0	COKK		gravity core 42 532m	LDEO	25-12.00N	112-44.50W	g	OXMZ01MV
2008	151199	0	COKK		gravity core 43 501m	LDEO	25-10.50N	112-45.00W	g	OXMZ01MV
2126	151199	0	COKK		gravity core 44 532m	LDEO	25-09.99N	112-40.99W	g	OXMZ01MV
2251	151199	0	COKK		gravity core 45 494m	LDEO	25-12.50N	112-41.00W	g	OXMZ01MV
0017	161199	0	COKK		gravity core 46 439m	LDEO	25-09.70N	112-45.80W	g	OXMZ01MV
0422	161199	0	COKK		gravity core 47 542m	LDEO	25-12.01N	112-43.01W	g	OXMZ01MV
0536	161199	0	COKK		gravity core 48 541m	LDEO	25-12.02N	112-43.01W	g	OXMZ01MV
2343	161199	0	COKK		gravity core 49 442m	LDEO	25-09.71N	112-45.80W	g	OXMZ01MV
0054	171199	0	COKK		gravity core 50 442m	LDEO	25-09.72N	112-45.80W	g	OXMZ01MV
2353	171199	0	COKK		gravity core 51 480m	LDEO	25-04.01N	112-48.96W	g	OXMZ01MV
0103	181199	0	COKK		gravity core 52 441m	LDEO	25-02.30N	112-49.30W	g	OXMZ01MV
0213	181199	0	COKK		gravity core 53 400m	LDEO	25-00.60N	112-48.50W	g	OXMZ01MV
2325	181199	0	COKK		gravity core 54 537m	LDEO	25-11.07N	112-44.22W	g	OXMZ01MV
0053	191199	0	COKK		gravity core 55 542m	LDEO	25-12.08N	112-43.00W	g	OXMZ01MV
1003	201199	0	COKK		gravity core 56 670m	LDEO	26-12.95N	113-46.12W	g	OXMZ01MV
0558	211199	0	COKK		gravity core 57 521m	LDEO	29-02.80N	115-56.03W	g	OXMZ01MV
#*** Piston Cores ***										
0302	311099	0	COPS		piston core 1 594m	LDEO	34-14.00N	120-03.00W	g	OXMZ01MV
0817	311099	0	COPS		piston core 2 590m	LDEO	34-16.03N	119-57.97W	g	OXMZ01MV
2043	061199	0	COPS		piston core 3 502m	LDEO	23-56.66N	111-19.79W	g	OXMZ01MV
1620	071199	0	COPS		piston core 4 728m	LDEO	23-37.84N	111-09.01W	g	OXMZ01MV
1651	081199	0	COPS		piston core 5 705m	LDEO	23-28.00N	111-35.93W	g	OXMZ01MV
1633	091199	0	COPS		piston core 6 548m	LDEO	23-20.43N	110-24.38W	g	OXMZ01MV
1650	101199	0	COPS		piston core 7 978m	LDEO	23-20.06N	111-01.02W	g	OXMZ01MV
1655	111199	0	COPS		piston core 8 705m	LDEO	23-28.02N	111-35.91W	g	OXMZ01MV
1701	131199	0	COPS		piston core 9 1260m	LDEO	23-13.11N	111-04.75W	g	OXMZ01MV
0034	141199	0	COPS		piston core 10 432m	LDEO	23-36.54N	111-33.50W	g	OXMZ01MV
1636	141199	0	COPS		piston core 11 712m	LDEO	23-38.01N	111-48.00W	g	OXMZ01MV
1655	161199	0	COPS		piston core 12 542m	LDEO	25-12.03N	112-43.00W	g	OXMZ01MV
1642	171199	0	COPS		piston core 13 442m	LDEO	25-09.73N	112-45.80W	g	OXMZ01MV
1802	181199	0	COPS		piston core 14 541m	LDEO	25-12.07N	112-43.00W	g	OXMZ01MV
1750	191199	0	COPS		piston core 15 537m	LDEO	25-11.08N	112-44.22W	g	OXMZ01MV
2258	191199	0	COPS		piston core 16 542m	LDEO	25-12.09N	112-43.00W	g	OXMZ01MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER		DISP CODE	LATITUDE	LONGITUDE	P C	CRUISE LEG-SHIP
#*** Piston Trip Cores ***											
0302	311099	0	COPS		trip core	1	594m LDEO	34-14.00N	120-03.00W	g	OXMZ01MV
0817	311099	0	COPS		trip core	2	590m LDEO	34-16.03N	119-57.97W	g	OXMZ01MV
2043	061199	0	COPS		trip core	3	502m LDEO	23-56.66N	111-19.79W	g	OXMZ01MV
1620	071199	0	COPS		trip core	4	728m LDEO	23-37.84N	111-09.01W	g	OXMZ01MV
1651	081199	0	COPS		trip core	5	705m LDEO	23-28.00N	111-35.93W	g	OXMZ01MV
1633	091199	0	COPS		trip core	6	548m LDEO	23-20.43N	110-24.38W	g	OXMZ01MV
1650	101199	0	COPS		trip core	7	978m LDEO	23-20.06N	111-01.02W	g	OXMZ01MV
1655	111199	0	COPS		trip core	8	705m LDEO	23-28.02N	111-35.91W	g	OXMZ01MV
1701	131199	0	COPS		trip core	9	1260m LDEO	23-13.11N	111-04.75W	g	OXMZ01MV
0034	141199	0	COPS		trip core	10	432m LDEO	23-36.54N	111-33.50W	g	OXMZ01MV
1636	141199	0	COPS		trip core	11	712m LDEO	23-38.01N	111-48.00W	g	OXMZ01MV
1655	161199	0	COPS		trip core	12	542m LDEO	25-12.03N	112-43.00W	g	OXMZ01MV
1642	171199	0	COPS		trip core	13	442m LDEO	25-09.73N	112-45.80W	g	OXMZ01MV
1802	181199	0	COPS		trip core	14	541m LDEO	25-12.07N	112-43.00W	g	OXMZ01MV
1750	191199	0	COPS		trip core	15	537m LDEO	25-11.08N	112-44.22W	g	OXMZ01MV
2258	191199	0	COPS		trip core	16	542m LDEO	25-12.09N	112-43.00W	g	OXMZ01MV
#*** Multicores ***											
0956	301099	0	COXX		multicore	1	550m LDEO	34-16.00N	119-58.00W	g	OXMZ01MV
2308	301099	0	COXX		multicore	2	592m LDEO	34-14.00N	120-03.00W	g	OXMZ01MV
0022	311099	0	COXX		multicore	3	588m LDEO	34-14.00N	120-03.00W	g	OXMZ01MV
1147	311099	0	COXX		multicore	4	589m LDEO	34-14.00N	120-03.00W	g	OXMZ01MV
1250	311099	0	COXX		multicore	5	587m LDEO	34-14.00N	120-03.00W	g	OXMZ01MV
1630	061199	0	COXX		multicore	6	504m LDEO	23-56.64N	111-19.79W	g	OXMZ01MV
1716	061199	0	COXX		multicore	7	504m LDEO	23-56.64N	111-19.79W	g	OXMZ01MV
1817	061199	0	COXX		multicore	8	504m LDEO	23-56.65N	111-19.79W	g	OXMZ01MV
2047	071199	0	COXX		multicore	9	711m LDEO	23-37.85N	111-09.01W	g	OXMZ01MV
2357	071199	0	COXX		multicore	10	508m LDEO	23-56.67N	111-19.78W	g	OXMZ01MV
2041	081199	0	COXX		multicore	11	704m LDEO	23-28.01N	111-35.92W	g	OXMZ01MV
0324	101199	0	COXX		multicore	12	542m LDEO	23-20.44N	110-24.38W	g	OXMZ01MV
1909	101199	0	COXX		multicore	13	984m LDEO	23-20.07N	111-01.02W	g	OXMZ01MV
2139	101199	0	COXX		multicore	14	980m LDEO	23-20.08N	111-01.02W	g	OXMZ01MV
1918	121199	0	COXX		multicore	15	445m LDEO	23-36.51N	111-33.50W	g	OXMZ01MV
2020	121199	0	COXX		multicore	16	445m LDEO	23-36.52N	111-33.50W	g	OXMZ01MV
2113	121199	0	COXX		multicore	17	445m LDEO	23-36.53N	111-33.50W	g	OXMZ01MV
0316	141199	0	COXX		multicore	18	433m LDEO	23-36.55N	111-33.51W	g	OXMZ01MV
0653	141199	0	COXX		multicore	19	727m LDEO	23-28.04N	111-35.91W	g	OXMZ01MV
1924	141199	0	COXX		multicore	20	712m LDEO	23-38.02N	111-48.00W	g	OXMZ01MV
2123	161199	0	COXX		multicore	21	541m LDEO	25-12.04N	112-43.00W	g	OXMZ01MV
2230	161199	0	COXX		multicore	22	550m LDEO	25-12.05N	112-43.00W	g	OXMZ01MV
0254	171199	0	COXX		multicore	23	550m LDEO	25-12.06N	112-43.00W	g	OXMZ01MV
2024	171199	0	COXX		multicore	24	450m LDEO	25-09.74N	112-45.80W	g	OXMZ01MV
2109	171199	0	COXX		multicore	25	450m LDEO	25-09.75N	112-45.80W	g	OXMZ01MV
2137	181199	0	COXX		multicore	26	530m LDEO	25-11.05N	112-44.22W	g	OXMZ01MV
2227	181199	0	COXX		multicore	27	537m LDEO	25-11.06N	112-44.22W	g	OXMZ01MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER		DISP CODE	LATITUDE	LONGITUDE	P C	CRUISE LEG-SHIP
#*** Conductivity, Temperature, Depth ***											
0646	301099	0	TDCT		Seabird 12	1 66m	ODF	34-20.04N	119-52.16W	g	OXMZ01MV
1632	301099	0	TDCT		Seabird 12	2 604m	ODF	34-22.06N	120-44.03W	g	OXMZ01MV
2140	301099	0	TDCT		Seabird 12	3 583m	ODF	34-14.00N	120-03.00W	g	OXMZ01MV
0755	021199	0	TDCT		Seabird 12	4 1413m	ODF	28-59.99N	116-18.98W	g	OXMZ01MV
1832	021199	0	TDCT		Seabird 12	5 1440m	ODF	29-05.98N	115-34.59W	g	OXMZ01MV
0443	031199	0	TDCT		Seabird 12	6 1486m	ODF	27-59.90N	115-43.12W	g	OXMZ01MV
2214	031199	0	TDCT		Seabird 12	7 1434m	ODF	26-31.58N	114-01.83W	g	OXMZ01MV
1209	041199	0	TDCT		Seabird 12	8 1400m	ODF	25-04.98N	112-57.00W	g	OXMZ01MV
0215	051199	0	TDCT		Seabird 12	9 712m	ODF	23-38.00N	111-48.00W	g	OXMZ01MV
0007	061199	0	TDCT		Seabird 12	101443m	ODF	23-09.50N	110-57.00W	g	OXMZ01MV
2318	061199	0	TDCT		Seabird 12	11 502m	ODF	23-56.66N	111-19.79W	g	OXMZ01MV
1910	071199	0	TDCT		Seabird 12	12 715m	ODF	23-37.86N	111-09.00W	g	OXMZ01MV
1854	081199	0	TDCT		Seabird 12	13 706m	ODF	23-28.01N	111-35.92W	g	OXMZ01MV
1837	091199	0	TDCT		Seabird 12	14 542m	ODF	23-20.44N	110-24.38W	g	OXMZ01MV
0033	111199	0	TDCT		Seabird 12	15 702m	ODF	23-24.92N	111-14.02W	g	OXMZ01MV
0321	111199	0	TDCT		Seabird 12	16 700m	ODF	23-27.65N	111-26.02W	g	OXMZ01MV
1623	151199	0	TDCT		Seabird 12	17 540m	ODF	25-12.00N	112-43.00W	g	OXMZ01MV
1308	211199	0	TDCT		Seabird 12	181439m	ODF	30-04.00N	116-11.00W	g	OXMZ01MV
2209	211199	0	TDCT		Seabird 12	191442m	ODF	31-01.00N	116-37.00W	g	OXMZ01MV
1050	221199	0	TDCT		Seabird 12	201404m	ODF	32-11.00N	117-16.00W	g	OXMZ01MV
#***			End Sample Index								OXMZ01MV