REPORT AND INDEX OF

UNDERWAY MARINE GEOPHYSICAL DATA

GLORIA EXPEDITION

LEG 8

R/V Melville

(Issued August 1993)

Easter Island (31 May 1993)
to
Acapulco, Mexico (1 July 1993)

Chief Scientist:

John Sinton (University of Hawaii)

Resident Marine Technician - John Boaz

Computer Technician - Ron Moe

No Sea Beam/Underway Processor on board

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

Data Collection and Processing Funded by:
NSF Grant Number OCE91-00522

GDC Cruise I.D.# 261

INFORMAL 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 anomaly 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 if collected on the cruise leg.

NOTE: One or more of the underway data types may not be collected on a given cruise 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, CA 92093-0223. Phone (619)534-2752. Fax (619)534-5306. Internet Email:ssmith@ucsd.edu

1. Files on Exabyte, DAT or 1/2 inch magnetic tape:
   a) Separate time series ASCII files of navigation, single beam depth, gravity and magnetics.
   b) These same data in a merged ASCII file in the MGD77 Exchange format.
   c) SeaBeam depth data (binary, Sun byte order) in SIO Swath Bathymetry format (not available on 1/2" tape).
   d) SeaBeam Sidescan data (not available on 1/2" tape).

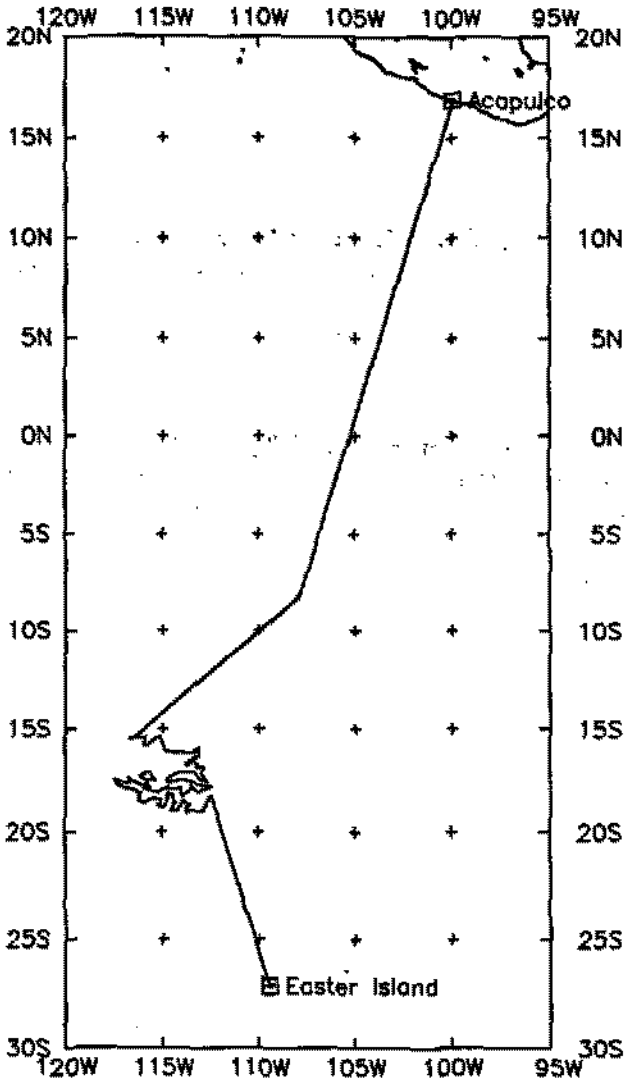
2. Microfilm (35mm flowfilm) or Xerox copies of:
   a) Underway Watch log book.
   b) SeaBeam vertical beam profile/Sidescan records.
   c) Echosounder records - 3.5 kHz frequency.
   d) Magnetometer records.
   e) Seismic reflection profiler records.

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

4. Plots:
   a) Copies of archived 1.2"/degree scale trackplots.
   b) Copies of archived 8"/degree scale SeaBeam depth plots.
   c) Custom plots in Mercator projection:
      1) Track plots.
      2) SeaBeam depth contour plots.
      3) Depth, magnetic or gravity values printed or profiled along track.

SeaBeam 2000 Data Collected in Ancillary Mode

SeaBeam data were collected in "ancillary mode" on this leg. In this mode of operation, no Hardware Technician or SB/Underway Processor were on board and the types of realtime records and post-processed data products are reduced from those available under the fully funded mode.



GLORIA Leg 8 (GLOR08MV)

GLORIA EXPEDITION LEG 8

CHIEF SCIENTIST: *John Sinton, University of Hawaii*

PORTS: Easter Island, Chile - Acapulco, Mexico

DATES: 31 May - 1 July 1993

SHIP: R/V Melville

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED

Cruise - 5136 miles

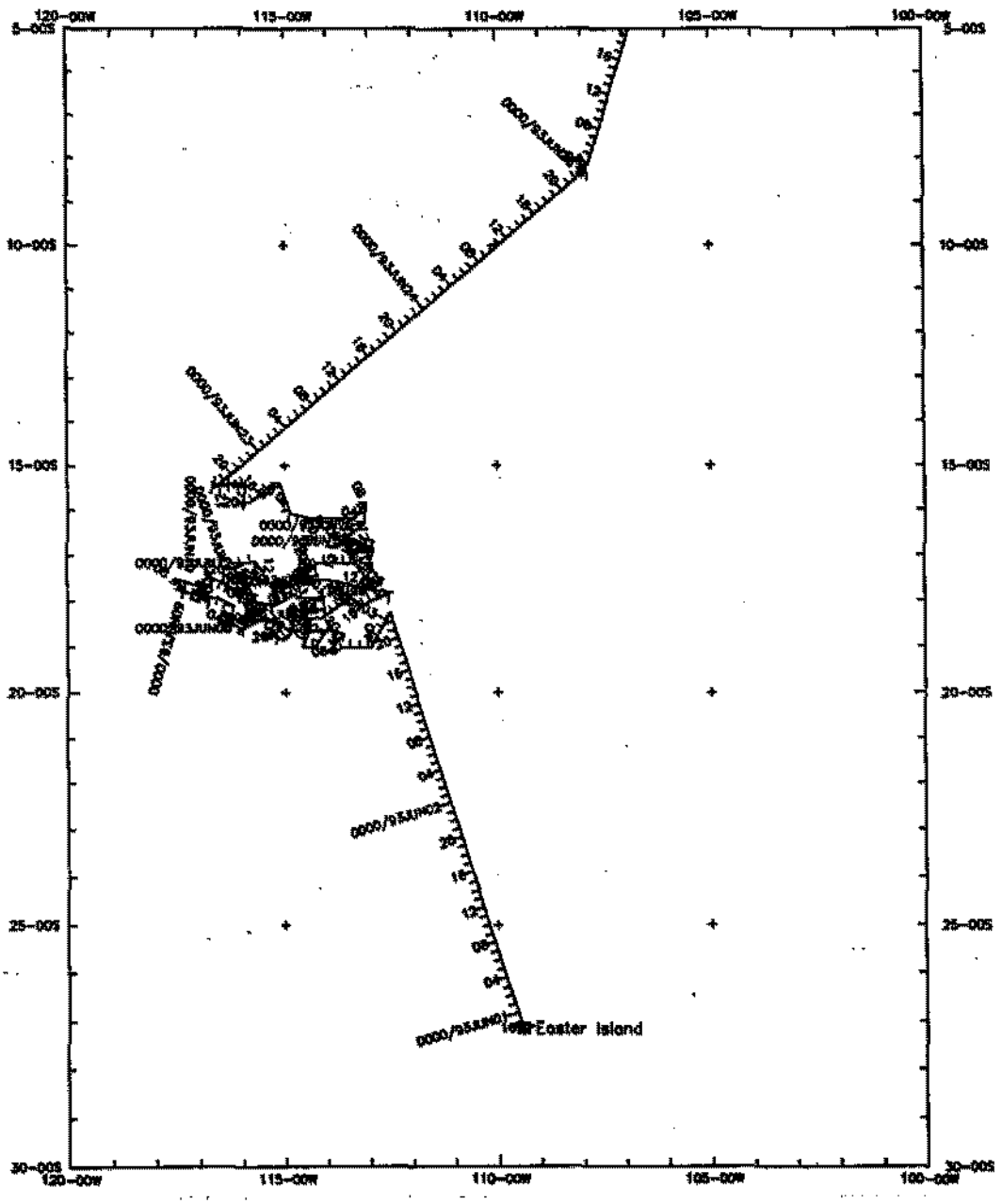
Bathymetry - 4976 miles

Sea Beam - 4976 miles

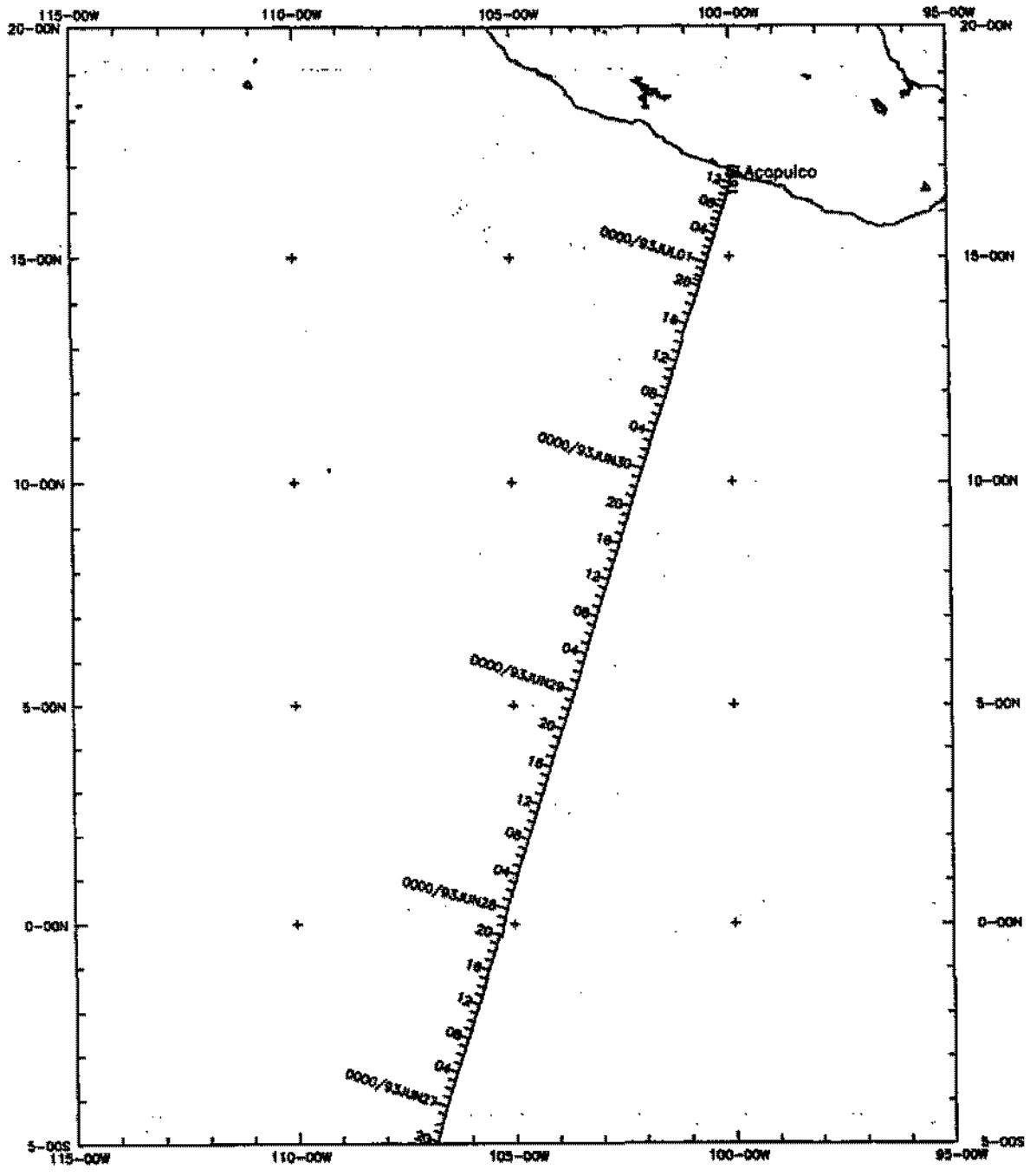
Magnetics -1760 miles

Seismic Reflection - none collected

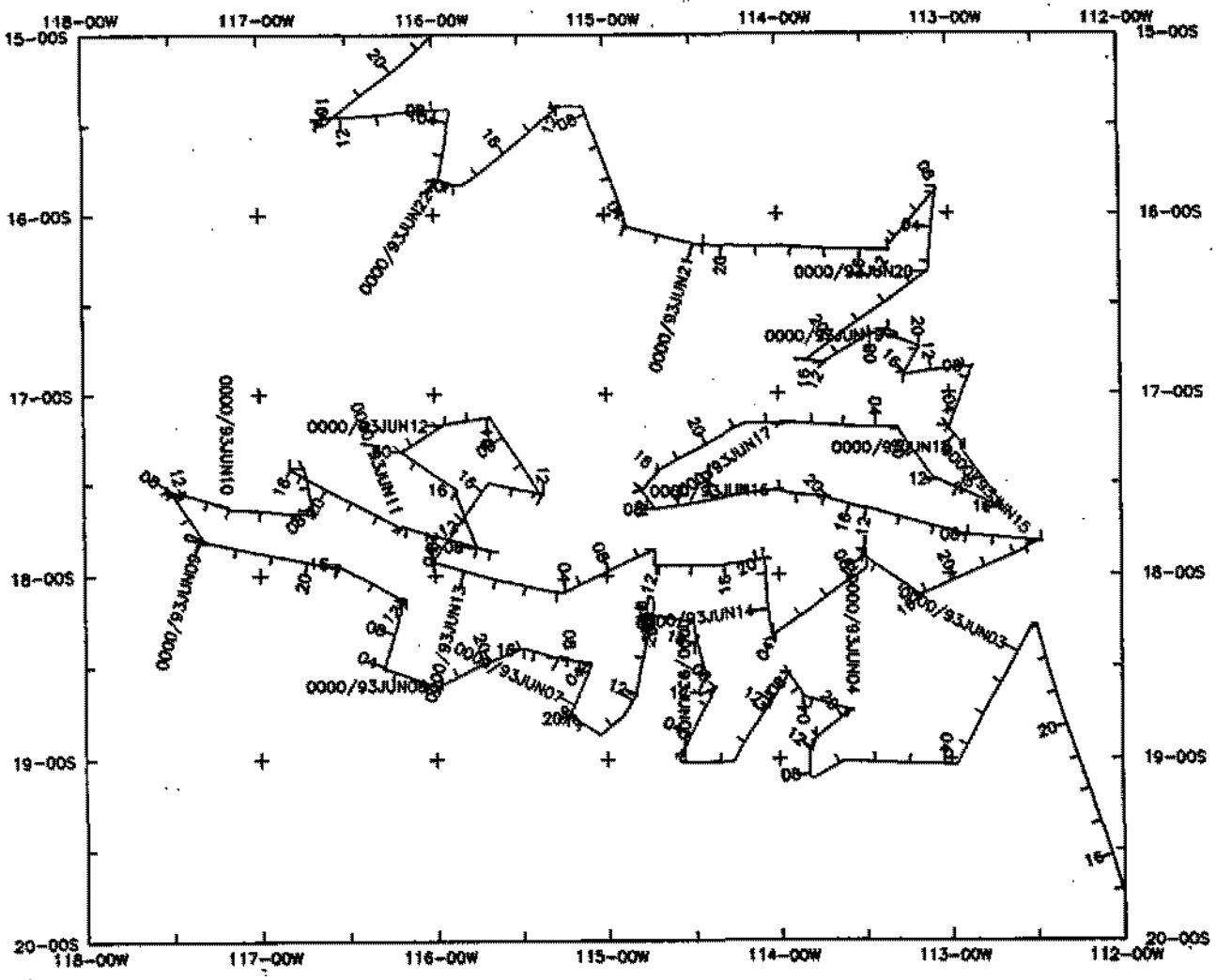
Gravity - collected but not processed



GLORIA LEG 8 (GLOR08MV) Plot 1 of 2

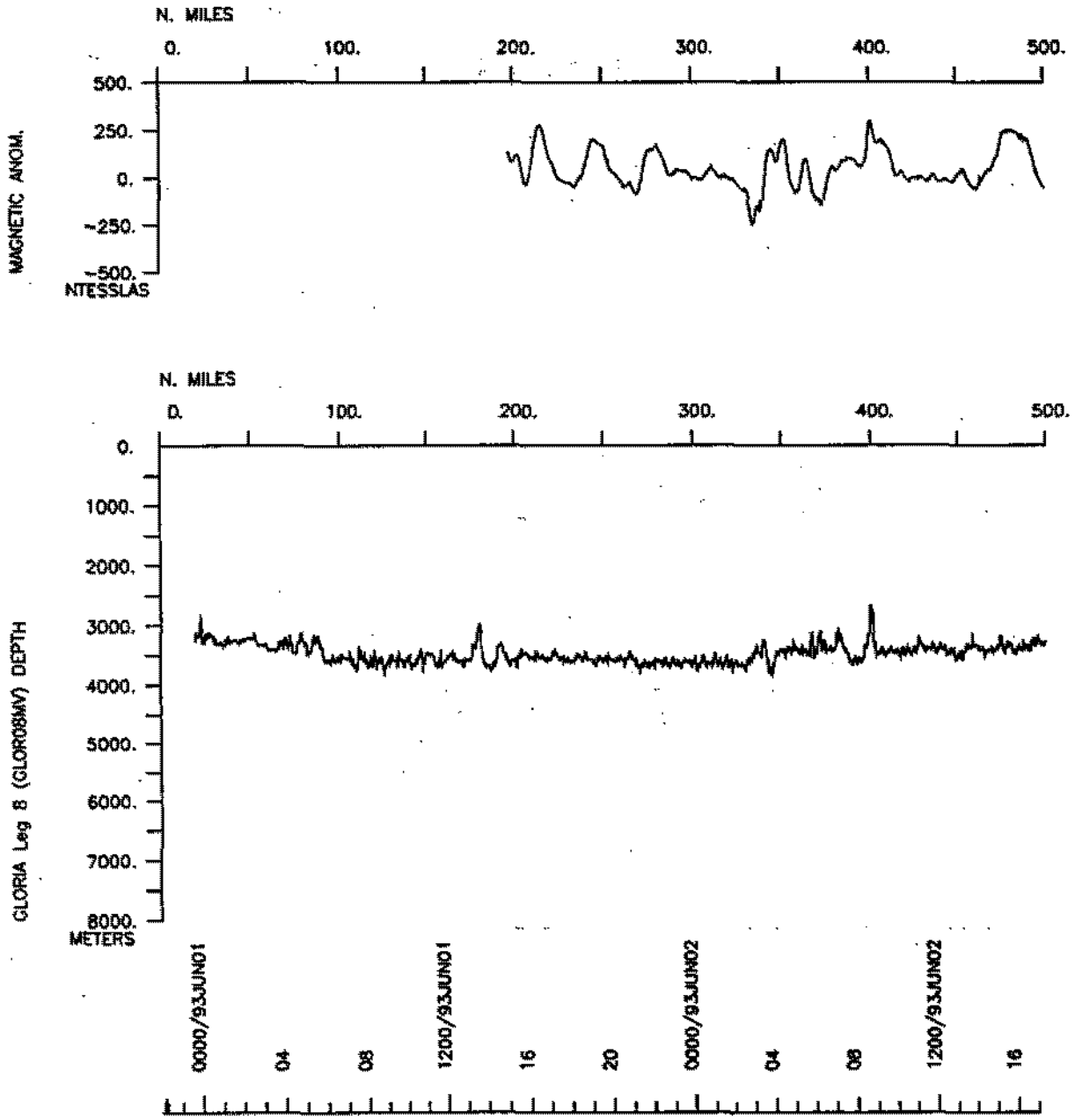


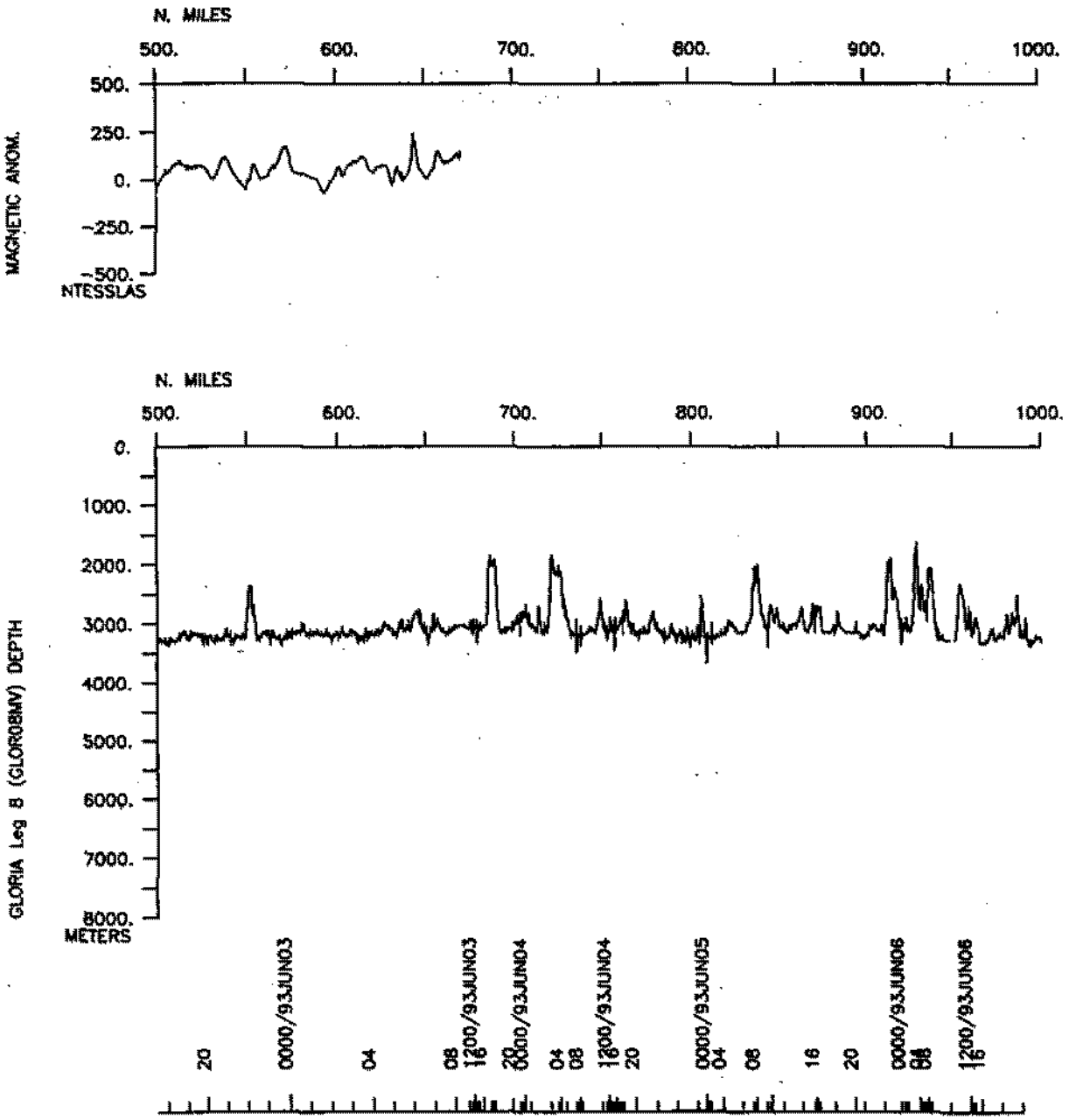
GLORIA LEG 8 (GLOR08MV) Plot 2 of 2

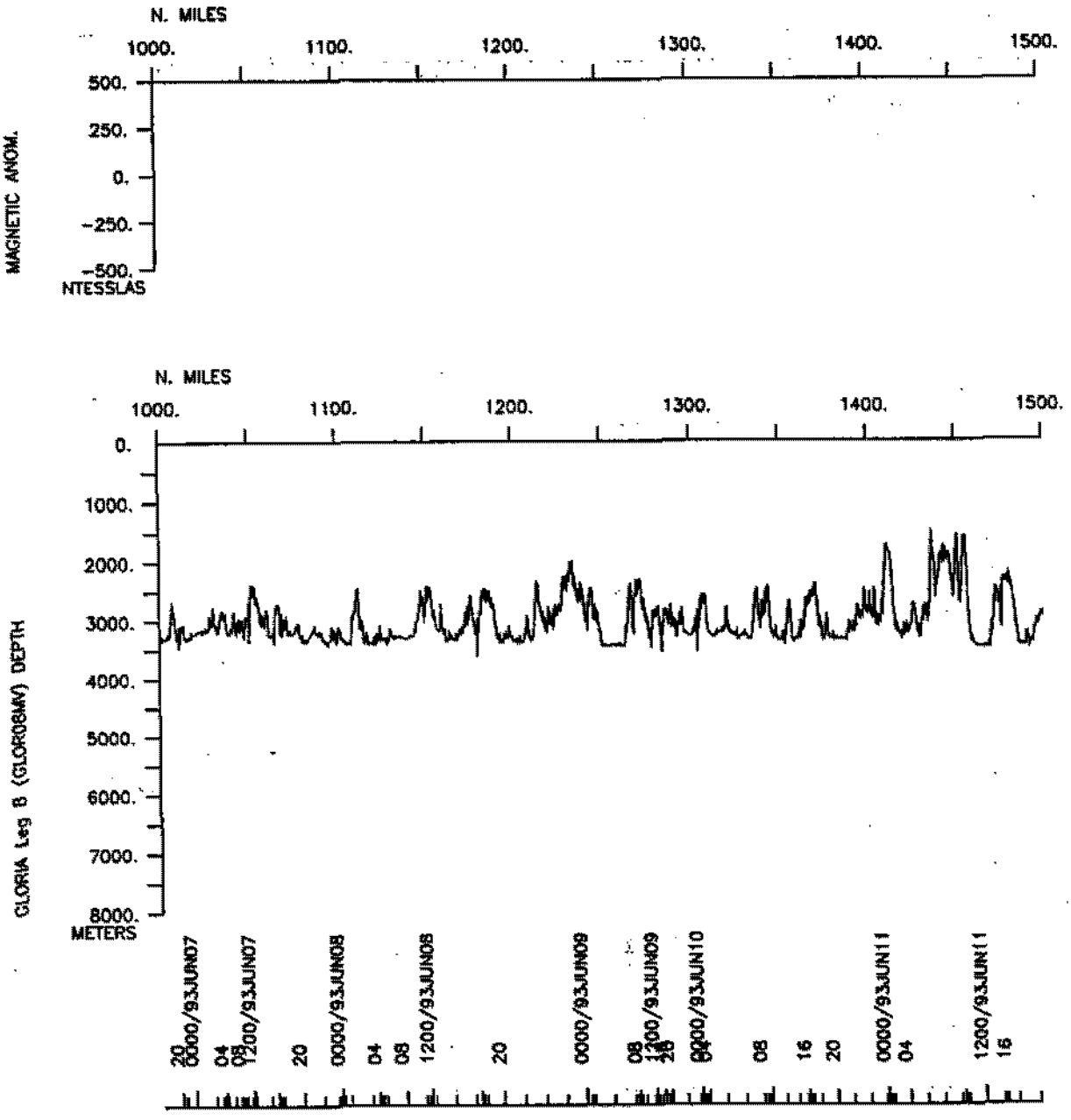


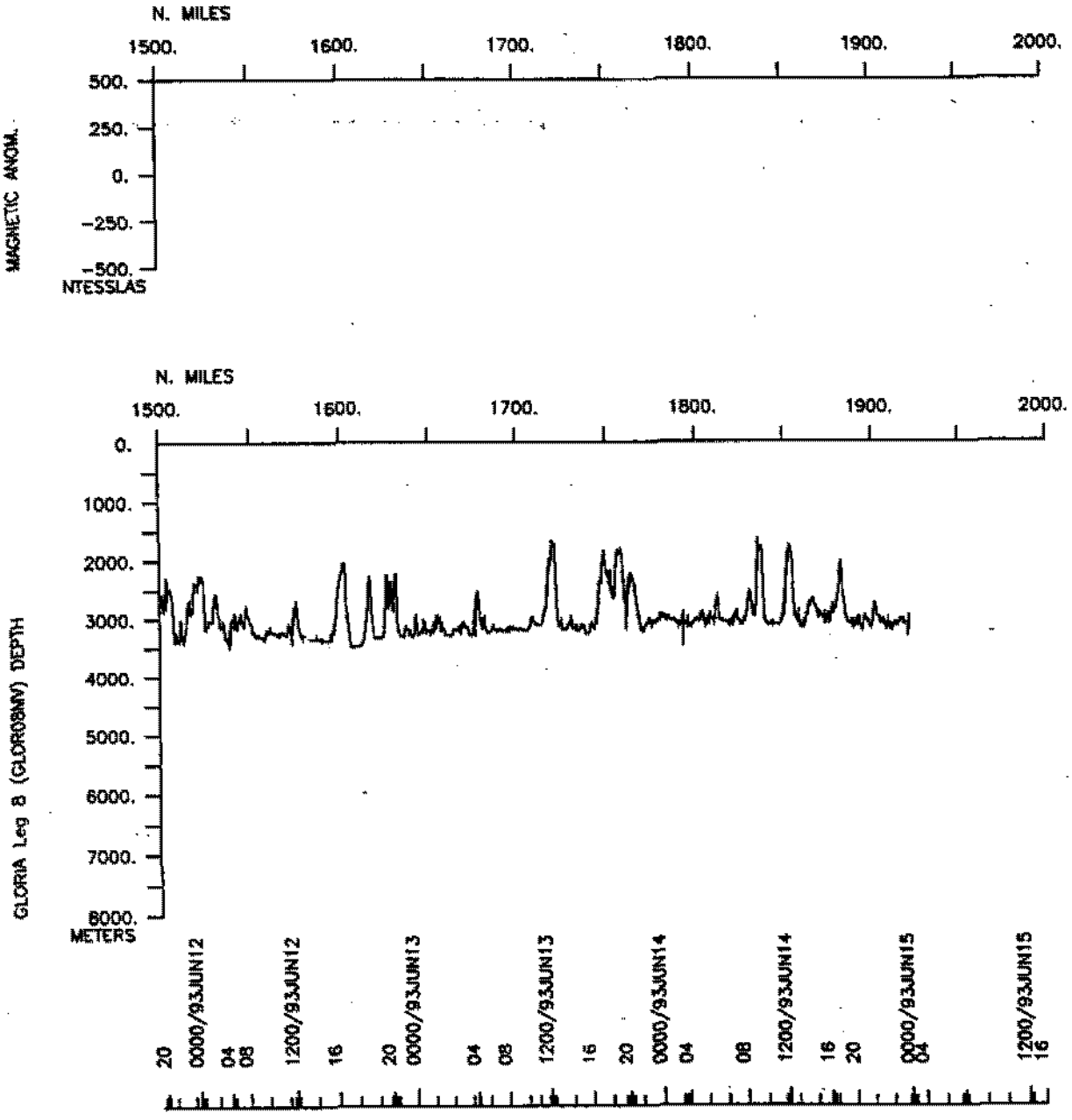
GLORIA LEG 8 Survey Area

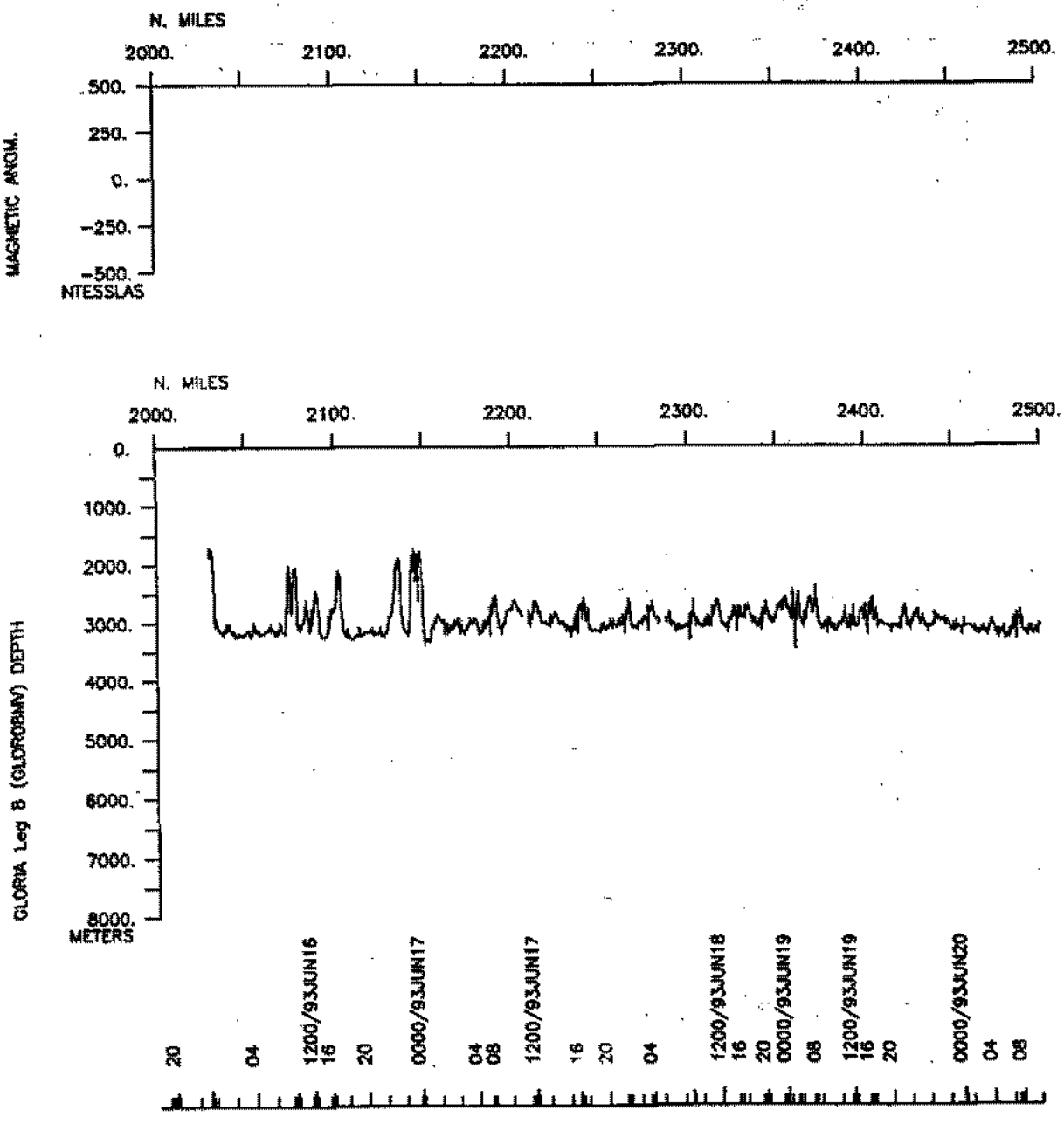
*

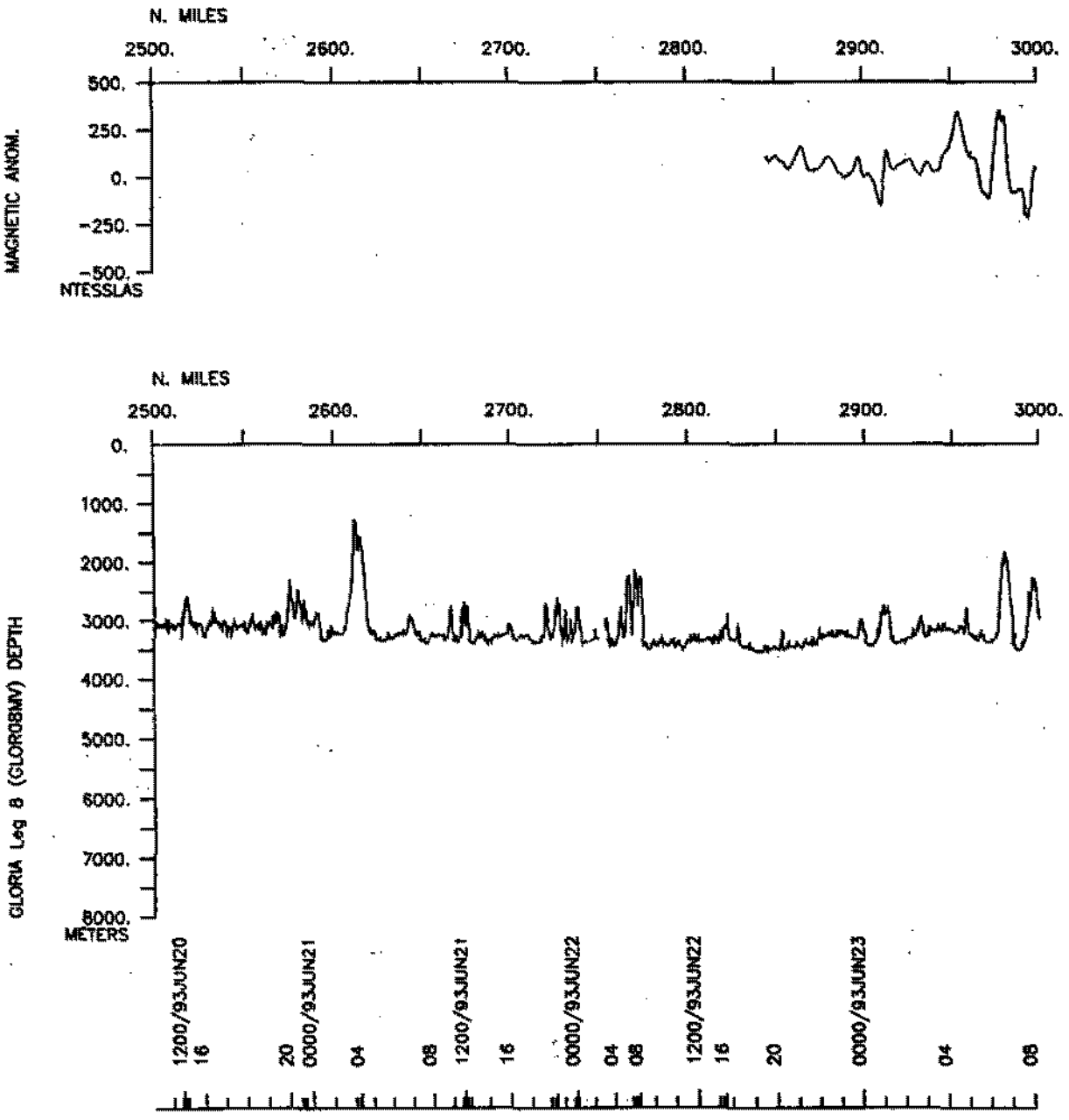

N. MILES
0.
100.
200.
300.
400.
500.
MAGNETIC ANOM.
500.
250.
0.
-250.
-500.
NTESSLAS
N. MILES
0.
100.
200.
300.
400.
500.
GLORIA Leg 8 (GLORI08MV) DEPTH
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
0000/93JUN01
04
08
1200/93JUN01
16
20
0000/93JUN02
04
08
1200/93JUN02
16

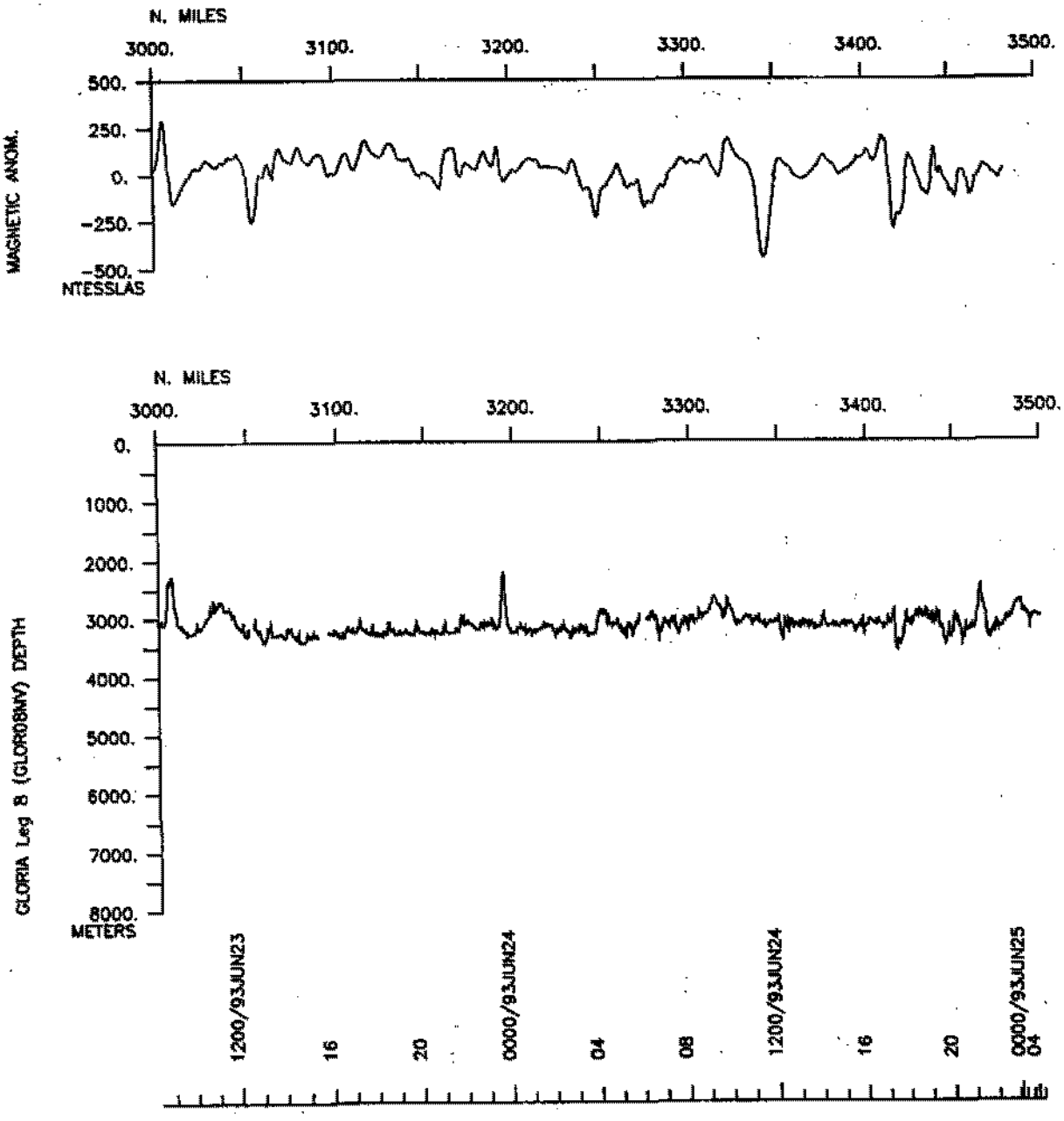

N. MILES
500.
600.
700.
800.
900.
1000.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.
N. MILES
500.
600.
700.
800.
900.
1000.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg 8 (GLOR08MV) DEPTH
20
0000/93JUN03
04
08
1200/93JUN03
16
20
0000/93JUN04
04
08
1200/93JUN04
16
20
0000/93JUN05
04
08
16
20
0000/93JUN06
08
1200/93JUN06
16

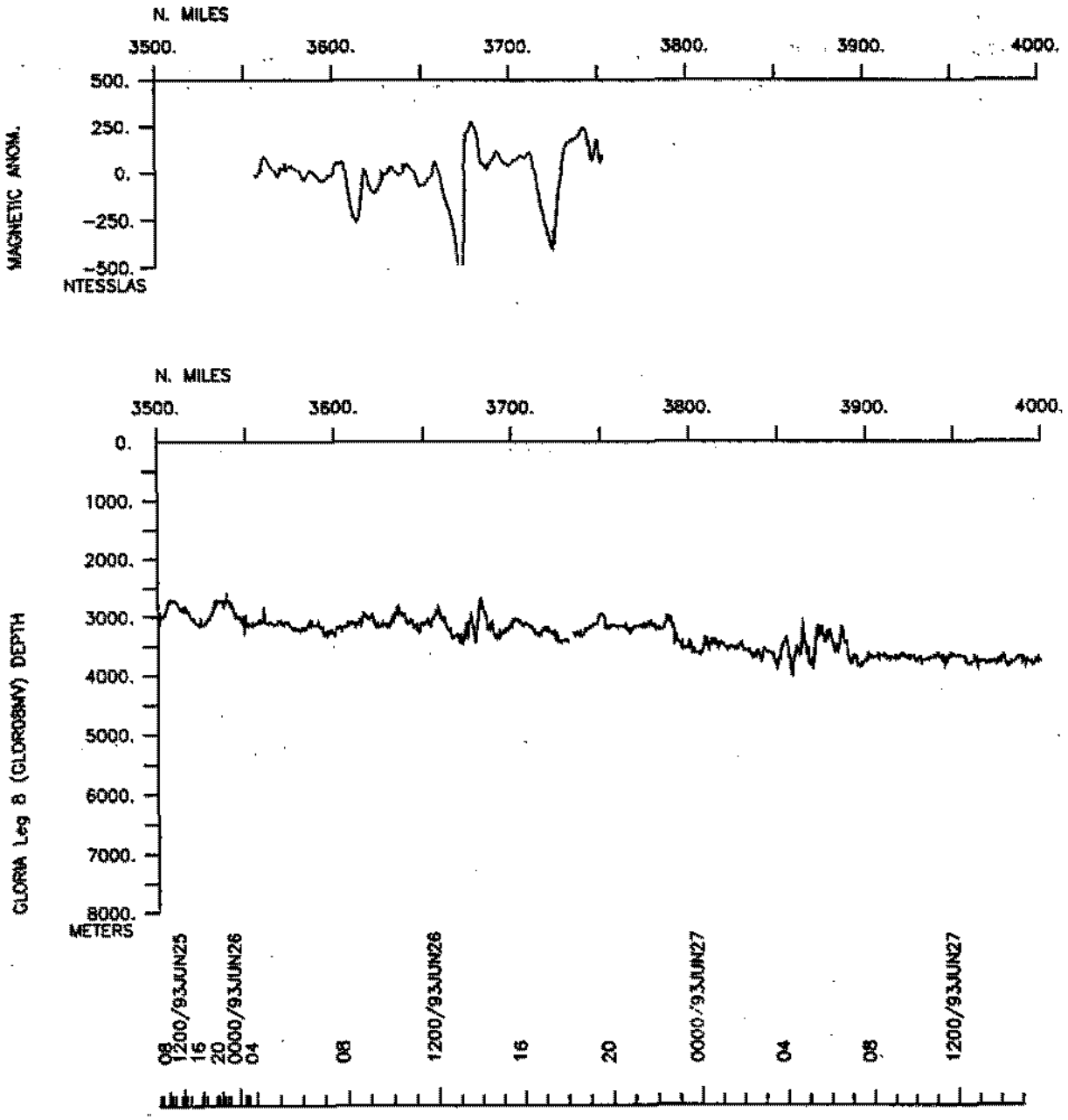

N. MILES
1000.
1100.
1200.
1300.
1400.
1500.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.
N. MILES
1000.
1100.
1200.
1300.
1400.
1500.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg B (GLOR08MV) DEPTH
20 0000/93JUN07
04
08
1200/93JUN07
20
0000/93JUN08
04
08
1200/93JUN08
20
0000/93JUN09
08
1200/93JUN09
0000/93JUN10
08
16
20
0000/93JUN11
04
1200/93JUN11
16

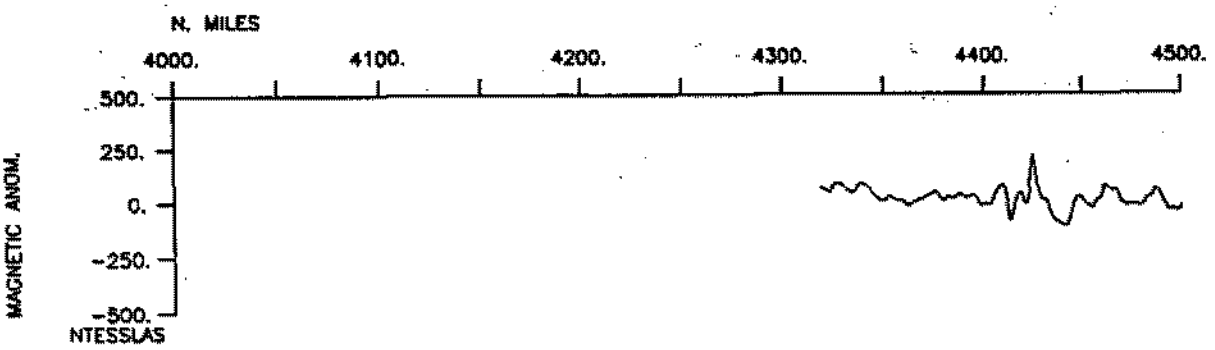

N. MILES
1500.
1600.
1700.
1800.
1900.
2000.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.
N. MILES
1500.
1600.
1700.
1800.
1900.
2000.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg 8 (GLOR08MV) DEPTH
20
0000/93JUN12
04
08
1200/93JUN12
16
20
0000/93JUN13
04
08
1200/93JUN13
16
20
0000/93JUN14
04
08
1200/93JUN14
16
20
0000/93JUN15
04
1200/93JUN15
16

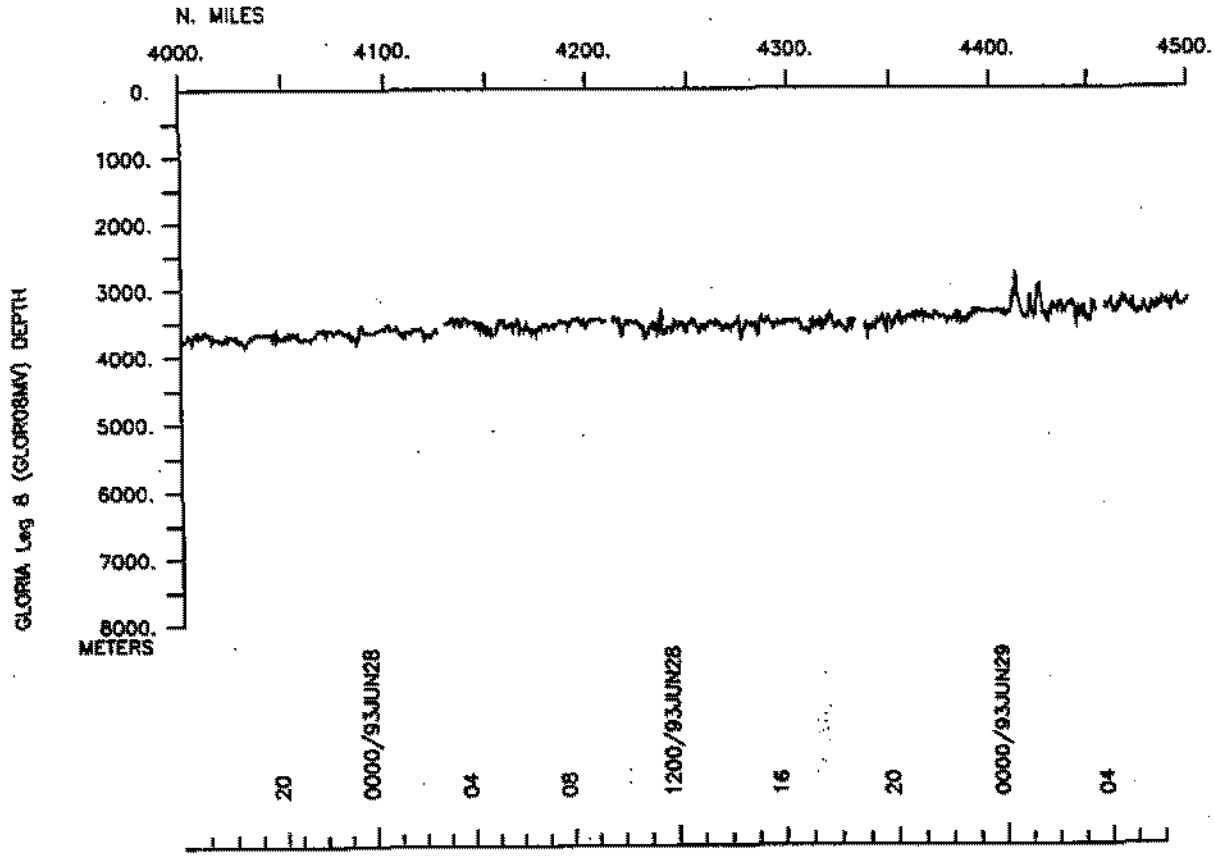

N. MILES
2000.
2100.
2200.
2300.
2400.
2500.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.
N. MILES
2000.
2100.
2200.
2300.
2400.
2500.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg 8 (GLORI08MV) DEPTH
20
04
1200/93JUN16
16
20
0000/93JUN17
04
08
1200/93JUN17
16
20
04
1200/93JUN18
16
20
0000/93JUN19
08
1200/93JUN19
16
20
0000/93JUN20
04
08

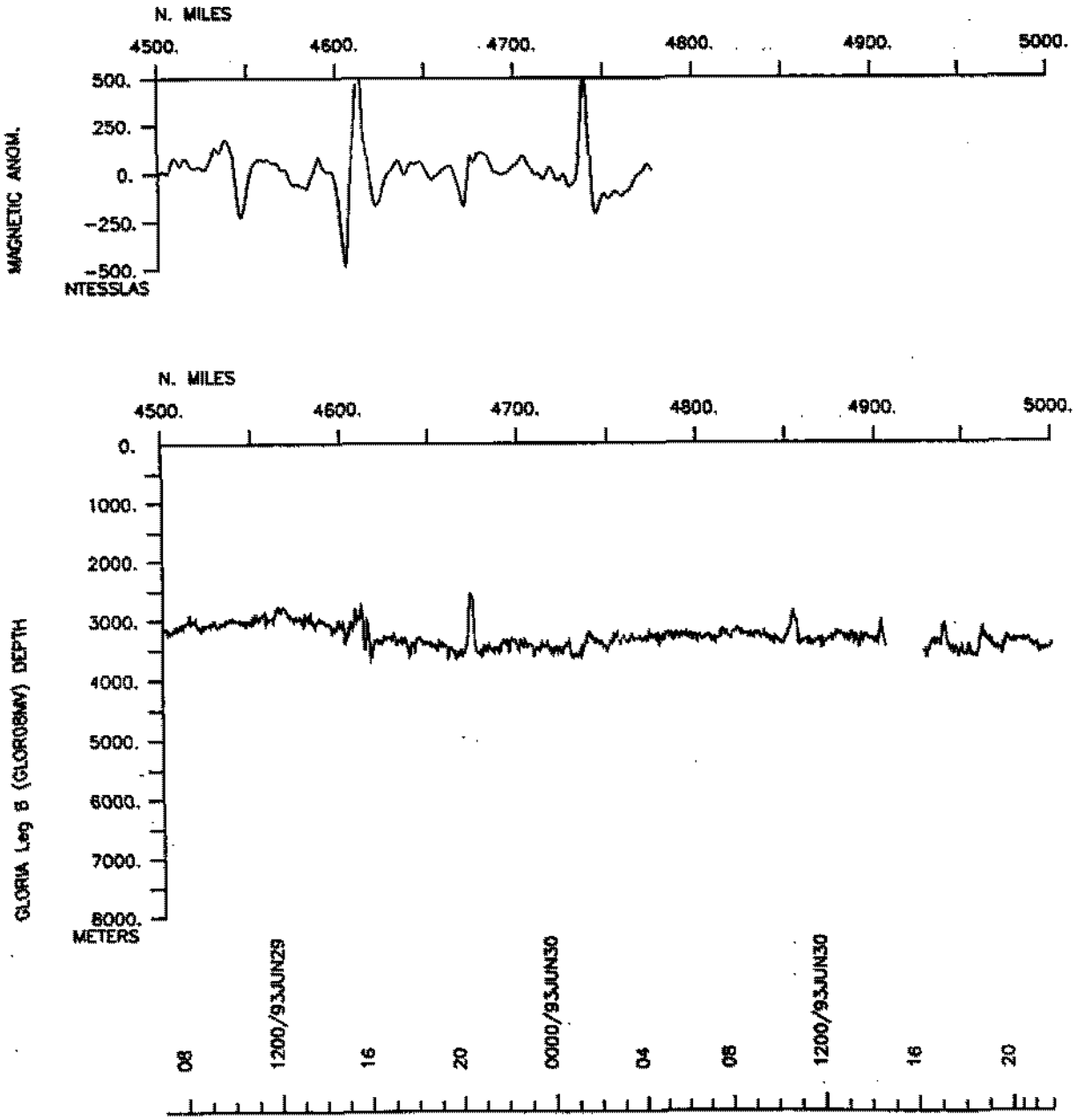

N. MILES
2500.
2600.
2700.
2800.
2900.
3000.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.
N. MILES
2500.
2600.
2700.
2800.
2900.
3000.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg 8 (GLOR08MV) DEPTH
1200/93JUN20
16
20
0000/93JUN21
04
08
1200/93JUN21
16
0000/93JUN22
04
08
1200/93JUN22
16
20
0000/93JUN23
04
08

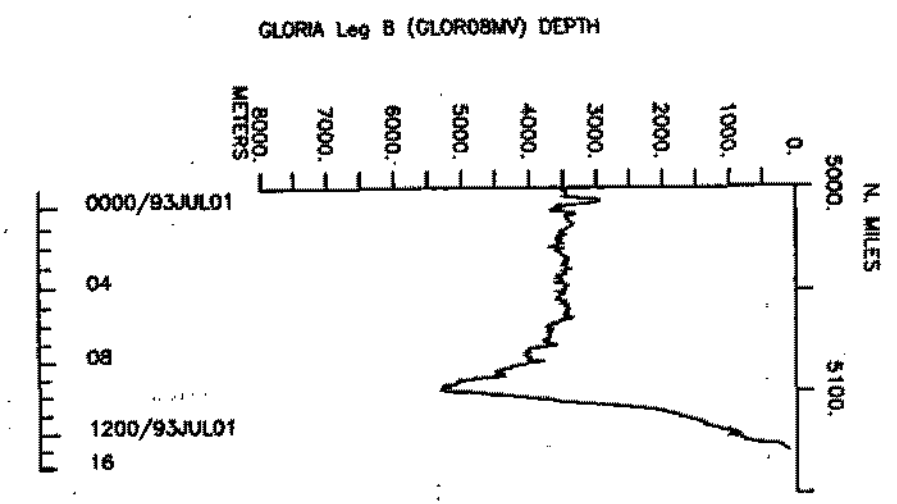

N. MILES
3000.
3100.
3200.
3300.
3400.
3500.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.
N. MILES
3000.
3100.
3200.
3300.
3400.
3500.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg 8 (GLOR08MV) DEPTH
1200/93JUN23
16
20
0000/93JUN24
04
08
1200/93JUN24
16
20
0000/93JUN25
04

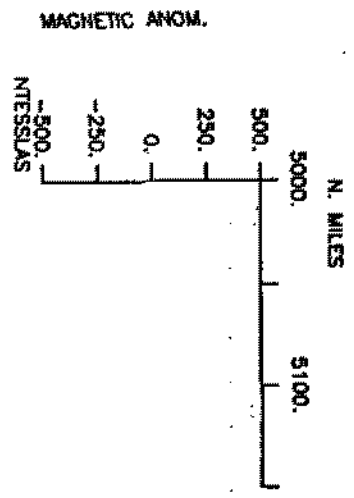

N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.
N. MILES
3500.
3600.
3700.
3800.
3900.
4000.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg 8 (GLORI08MV) DEPTH
08
1200/93JUN25
16
20
0000/93JUN26
04
08
1200/93JUN26
16
20
0000/93JUN27
04
08
1200/93JUN27


N. MILES
4000.
4100.
4200.
4300.
4400.
4500.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.


N. MILES
4000.
4100.
4200.
4300.
4400.
4500.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg 8 (GLOR08MV) DEPTH
20
0000/93JUN28
04
08
1200/93JUN28
16
20
0000/93JUN29
04


N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
500.
250.
0.
-250.
-500.
NTESSLAS
MAGNETIC ANOM.
N. MILES
4500.
4600.
4700.
4800.
4900.
5000.
0.
1000.
2000.
3000.
4000.
5000.
6000.
7000.
8000.
METERS
GLORIA Leg 8 (GLOR08MV) DEPTH
08
1200/93JUN29
16
20
0000/93JUN30
04
08
1200/93JUN30
16
20


GLORIA Leg B (GLOR08MV) DEPTH
8000.
METERS
7000.
6000.
5000.
4000.
3000.
2000.
1000.
0.
5000.
N. MILES
5100.
0000/93JUL01
04
08
1200/93JUL01
16


MAGNETIC ANOM.
-500.
NTESSLAS
-250.
0.
250.
500.
5000.
N. MILES
5100.

S.I.O. SAMPLE INDEX

(Issued August 1993)

GLORIA EXPEDITION

Leg 8

R/V Melville

Easter Island, Chile (31 May 1993)
to
Acapulco, Mexico (1 July 1993)

Chief Scientist:

John Sinton (University of Hawaii)

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. 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 further computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

GDC Cruise I.D.# 261

#*** Ports ***

2200 310593 0 LGPT B Easter Island, Chile 27-09.00S 109-27.00W f GLOR08MV
1400 010793 0 LGPT E Acapulco, Mexico 16-51.00N 99-56.00W f GLOR08MV

#*** Personnel ***

#	********NAME********	******TITLE******	*****AFFILIATION****	**CRID**
PECS UHI	Sinton,J.	Chief Scientist	Univ. of Hawaii	GLOR08MV
PESP UHI	Batiza,R.	Professor	Univ. of Hawaii	GLOR08MV
PERT SIO	Boaz,J.	Res Tech	Scripps Institution	GLOR08MV
PESP UHI	Baily,J.	Research Assist.	Univ. of Hawaii	GLOR08MV
PESP UHI	Cheng,A.	Technician	Univ. of Hawaii	GLOR08MV
PESP UHI	Foss,D.	Research Assist.	Univ. of Hawaii	GLOR08MV
PESP UHI	Hall,L.	Research Assist.	Univ. of Hawaii	GLOR08MV
PESP UHI	Hulsebosch,T.	Faculty	Univ. of Hawaii	GLOR08MV
PESP UHI	Johnson,K.	Geologist	Univ. of Hawaii	GLOR08MV
PEST UHI	Johnson,P.	Student	Univ. of Hawaii	GLOR08MV
PEST UHI	Jurado-chichay,Z.	Student	Univ. of Hawaii	GLOR08MV
PESP SIX	Liu,L.	Geologist	Clayton Environ.	GLOR08MV
PECT SIO	Moe,R.	Computer Eng	Scripps Institution	GLOR08MV
PESP UHI	Nelson,R.	Volunteer	Univ. of Hawaii	GLOR08MV
PESP UHI	Pietruszka,A.	Student	Univ. of Hawaii	GLOR08MV
PESP UHI	Rubin,K	Research Assist.	Univ. of Hawaii	GLOR08MV
PESP UHI	Sinton,J.	Technician	Univ. of Hawaii	GLOR08MV
PESP UHI	Woycke,J.	Research Assist.	Univ. of Hawaii	GLOR08MV
PESP UHI	Yamada	Research Assist.	Univ. of Hawaii	GLOR08MV

#*** 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. Positions are in tenths
#of minutes.

#GMT TIME	DDMMYY 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***										
2300	310593	0	LBUW	B	Underway watch log	GDC	27-00.78S	109-29.23W	g	GLOR08MV
0600	300693	0	LBUW	E	Underway watch log	GDC	11-27.91N	101-37.79W	g	GLOR08MV
1000	030693	0	LBSC	B	rock description	UHI	18-57.12S	113-49.47W	g	GLOR08MV
1500	010793	0	LBSC	E	rock description	UHI	16-50.89N	99-54.30W	g	GLOR08MV
#*** Sea Beam Records (vertical beam and side scan) ***										
2300	310593	0	MBMR	B	v.beam&sidescan r-01	GDC	27-00.78S	109-29.23W	g	GLOR08MV
0700	180693	0	MBMR	E	v.beam&sidescan r-01	GDC	16-55.31S	112-53.66W	g	GLOR08MV
0700	180693	0	MBMR	B	v.beam&sidescan r-02	GDC	16-55.31S	112-53.66W	g	GLOR08MV
1400	010793	0	MBMR	E	v.beam&sidescan r-02	GDC	16-50.76N	99-54.13W	g	GLOR08MV
#*** Echo Sounder Records - pinger only; not microfilmed ***										
?300	010693	0	DPRT	B	12khz r-01	GDC	22-36.11S	111-01.87W	g	GLOR08MV
:100	050693	0	DPRT	E	12khz r-01	GDC	18-10.41S	114-46.02W	g	GLOR08MV
2100	050693	0	DPRT	B	12khz r-02	GDC	18-10.41S	114-46.02W	g	GLOR08MV
1615	080693	0	DPRT	E	12khz r-02	GDC	17-56.06S	116-33.26W	g	GLOR08MV
1619	080693	0	DPRT	B	12khz r-03	GDC	17-56.16S	116-33.23W	g	GLOR08MV
1100	110693	0	DPRT	E	12khz r-03	GDC	17-50.95S	115-45.76W	g	GLOR08MV
1100	110693	0	DPRT	B	12khz r-04	GDC	17-50.95S	115-45.76W	g	GLOR08MV
1010	140693	0	DPRT	E	12khz r-04	GDC	17-53.50S	113-30.94W	g	GLOR08MV
1010	140693	0	DPRT	B	12khz r-05	GDC	17-53.50S	113-30.94W	g	GLOR08MV
1530	160693	0	DPRT	E	12khz r-05	GDC	17-26.30S	114-42.44W	g	GLOR08MV
1535	160693	0	DPRT	B	12khz r-06	GDC	17-26.33S	114-42.40W	g	GLOR08MV
0700	190693	0	DPRT	E	12khz r-06	GDC	16-40.54S	113-27.80W	g	GLOR08MV
0700	190693	0	DPRT	B	12khz r-07	GDC	16-40.54S	113-27.80W	g	GLOR08MV
1600	220693	0	DPRT	E	12khz r-07	GDC	15-30.10S	116-37.53W	g	GLOR08MV
1600	220693	0	DPRT	B	12khz r-08	GDC	15-30.10S	116-37.53W	g	GLOR08MV
0300	260693	0	DPRT	E	12khz r-08	GDC	8-11.22S	107-50.97W	g	GLOR08MV

#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
#*** Magnetics (Earth Total Field) Records ***									
1447 010693	0	MGRA	B	Magnetics r-01	GDC	24-06.75S	110-30.71W	g	GLOR08MV
0600 300693	0	MGRA	E	Magnetics r-01	GDC	11-27.91N	101-37.79W	g	GLOR08MV
#*** Camera ***									
1539 040693	0	CATB		Camera sled 35mm	UHI	18-43.44S	114-03.97W	g	GLOR08MV
#*** Dredges ***									
1000 030693	0	DRRO	B	rock dredge 62 3127m	UHI	18-57.12S	113-49.47W	g	GLOR08MV
1048 030693	0	DRRO	E	rock dredge 62 1955m	UHI	18-57.00S	113-49.12W	g	GLOR08MV
1320 030693	0	DRRO	B	rock dredge 63 3127m	UHI	18-57.16S	113-49.48W	g	GLOR08MV
1444 030693	0	DRRO	E	rock dredge 63 3127m	UHI	18-56.78S	113-48.72W	g	GLOR08MV
1709 030693	0	DRRO	B	rock dredge 64 1955m	UHI	18-52.99S	113-47.27W	g	GLOR08MV
1810 030693	0	DRRO	E	rock dredge 64 1955m	UHI	18-53.42S	113-47.14W	g	GLOR08MV
2128 030693	0	DRRO	B	rock dredge 65 2955m	UHI	18-44.08S	113-35.53W	g	GLOR08MV
2349 030693	0	DRRO	E	rock dredge 65 2955m	UHI	18-44.22S	113-34.51W	g	GLOR08MV
0310 040693	0	DRRO	B	rock dredge 66 2178m	UHI	18-39.65S	113-51.88W	g	GLOR08MV
0400 040693	0	DRRO	E	rock dredge 66 2178m	UHI	18-39.17S	113-51.79W	g	GLOR08MV
0635 040693	0	DRRO	B	rock dredge 67 3209m	UHI	18-32.53S	113-56.65W	g	GLOR08MV
0748 040693	0	DRRO	E	rock dredge 67 3209m	UHI	18-31.85S	113-56.52W	g	GLOR08MV
1131 040693	0	DRRO	B	rock dredge 68 3119m	UHI	18-43.48S	114-04.07W	g	GLOR08MV
1255 040693	0	DRRO	E	rock dredge 68 3119m	UHI	18-42.66S	114-03.68W	g	GLOR08MV
2329 040693	0	DRRO	B	rock dredge 69 3239m	UHI	18-58.34S	114-33.50W	g	GLOR08MV
0219 050693	0	DRRO	E	rock dredge 69 3239m	UHI	18-57.31S	114-34.44W	g	GLOR08MV
0624 050693	0	DRRO	B	rock dredge 70 2345m	UHI	18-36.87S	114-22.82W	g	GLOR08MV
0724 050693	0	DRRO	E	rock dredge 70 2345m	UHI	18-36.59S	114-22.84W	g	GLOR08MV
1002 050693	0	DRRO	B	rock dredge 71 3024m	UHI	18-39.00S	114-27.96W	g	GLOR08MV
1125 050693	0	DRRO	E	rock dredge 71 3024m	UHI	18-38.43S	114-28.46W	g	GLOR08MV

#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1535 050693	0	DRRO	B	rock dredge 72 2900m	UHI	18-22.78S	114-30.00W	g	GLOR08MV
1714 050693	0	DRRO	E	rock dredge 72 2900m	UHI	18-21.95S	114-29.20W	g	GLOR08MV
0001 060693	0	DRRO	B	rock dredge 73 3085m	UHI	18-13.90S	114-44.04W	g	GLOR08MV
0156 060693	0	DRRO	E	rock dredge 73 3085m	UHI	18-12.39S	114-43.97W	g	GLOR08MV
0435 060693	0	DRRO	B	rock dredge 74 2736m	UHI	18-18.11S	114-47.98W	g	GLOR08MV
0531 060693	0	DRRO	E	rock dredge 74 2736m	UHI	18-17.85S	114-47.71W	g	GLOR08MV
0720 060693	0	DRRO	B	rock dredge 75 2724m	UHI	18-18.13S	114-46.38W	g	GLOR08MV
0916 060693	0	DRRO	E	rock dredge 75 2724m	UHI	18-17.33S	114-45.16W	g	GLOR08MV
1322 060693	0	DRRO	B	rock dredge 76 3157m	UHI	18-39.32S	114-50.14W	g	GLOR08MV
1442 060693	0	DRRO	E	rock dredge 76 3157m	UHI	18-38.46S	114-49.90W	g	GLOR08MV
2058 060693	0	DRRO	B	rock dredge 77 3301m	UHI	18-46.38S	115-12.85W	g	GLOR08MV
2215 060693	0	DRRO	E	rock dredge 77 3301m	UHI	18-46.39S	115-13.84W	g	GLOR08MV
0232 070693	0	DRRO	B	rock dredge 78 3107m	UHI	18-28.65S	115-05.89W	g	GLOR08MV
0416 070693	0	DRRO	E	rock dredge 78 3107m	UHI	18-28.48S	115-06.47W	g	GLOR08MV
0727 070693	0	DRRO	B	rock dredge 79 3061m	UHI	18-27.62S	115-13.27W	g	GLOR08MV
0836 070693	0	DRRO	E	rock dredge 79 3061m	UHI	18-27.21S	115-13.53W	g	GLOR08MV
1148 070693	0	DRRO	B	rock dredge 80 2860m	UHI	18-26.93S	115-17.08W	g	GLOR08MV
1325 070693	0	DRRO	E	rock dredge 80 2860m	UHI	18-26.84S	115-17.85W	g	GLOR08MV
1621 070693	0	DRRO	B	rock dredge 81 3217m	UHI	18-24.22S	115-29.01W	g	GLOR08MV
1759 070693	0	DRRO	E	rock dredge 81 3217m	UHI	18-23.98S	115-29.84W	g	GLOR08MV
2317 080693	0	DRRO	B	rock dredge 82 3333m	UHI	18-36.56S	115-58.20W	g	GLOR08MV
0036 080693	0	DRRO	E	rock dredge 82 3333m	UHI	18-~~13.05~~ 36.08S	11~~4-43.~~5-58.1W	g	GLOR08MV
0440 080693	0	DRRO	B	rock dredge 83 3308m	UHI	18-30.28S	116-17.68W	g	GLOR08MV
0541 080693	0	DRRO	E	rock dredge 83 3308m	UHI	18-30.45S	116-17.88W	g	GLOR08MV
1014 080693	0	DRRO	B	rock dredge 84 2913m	UHI	18-07.55S	116-11.10W	g	GLOR08MV
1153 080693	0	DRRO	E	rock dredge 84 2913m	UHI	18-08.02S	116-10.41W	g	GLOR08MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1624	080693	0	DRRO	B	rock dredge 85 3184m	UHI	17-56.30S	116-33.24W	g	GLOR08MV
1757	080693	0	DRRO	E	rock dredge 85 3184m	UHI	17-57.00S	116-33.15W	g	GLOR08MV
0115	090693	0	DRRO	B	rock dredge 86 3162m	UHI	17-48.75S	117-18.67W	g	GLOR08MV
0312	090693	0	DRRO	E	rock dredge 86 3162m	UHI	17-49.47S	117-18.54W	g	GLOR08MV
0709	090693	0	DRRO	B	rock dredge 87 2751m	UHI	17-30.54S	117-31.73W	g	GLOR08MV
0853	090693	0	DRRO	E	rock dredge 87 2751m	UHI	17-31.07S	117-32.09W	g	GLOR08MV
1138	090693	0	DRRO	X	rock dredge 88 3249m	UHI	17-33.71S	117-26.22W	g	GLOR08MV
1717	090693	0	DRRO	B	rock dredge 89 3245m	UHI	17-33.70S	117-26.22W	g	GLOR08MV
2003	090693	0	DRRO	E	rock dredge 89 3245m	UHI	17-33.20S	117-25.92W	g	GLOR08MV
0004	100693	0	DRRO	B	rock dredge 90 2935m	UHI	17-37.62S	117-11.17W	g	GLOR08MV
0302	100693	0	DRRO	E	rock dredge 90 2935m	UHI	17-38.15S	117-10.51W	g	GLOR08MV
0808	100693	0	DRRO	B	rock dredge 91 3004m	UHI	17-38.30S	116-42.95W	g	GLOR08MV
1115	100693	0	DRRO	E	rock dredge 91 3004m	UHI	17-38.42S	116-42.29W	g	GLOR08MV
1528	100693	0	DRRO	B	rock dredge 92 3132m	UHI	17-24.36S	116-49.98W	g	GLOR08MV
1733	100693	0	DRRO	E	rock dredge 92 3132m	UHI	17-25.07S	116-49.42W	g	GLOR08MV
2355	100693	0	DRRO	B	rock dredge 93 2400m	UHI	17-44.39S	116-11.92W	g	GLOR08MV
0212	110693	0	DRRO	E	rock dredge 93 2400m	UHI	17-44.06S	116-11.11W	g	GLOR08MV
0816	110693	0	DRRO	B	rock dredge 94 2531m	UHI	17-50.57S	115-46.91W	g	GLOR08MV
1031	110693	0	DRRO	E	rock dredge 94 2531m	UHI	17-50.94S	115-45.77W	g	GLOR08MV
1407	110693	0	DRRO	B	rock dredge 95 2622m	UHI	17-32.40S	115-53.11W	g	GLOR08MV
1544	110693	0	DRRO	E	rock dredge 95 2622m	UHI	17-31.87S	115-52.38W	g	GLOR08MV
1927	110693	0	DRRO	B	rock dredge 96 2769m	UHI	17-18.81S	116-12.10W	g	GLOR08MV
2040	110693	0	DRRO	E	rock dredge 96 2769m	UHI	17-18.78S	116-11.60W	g	GLOR08MV
0009	120693	0	DRRO	B	rock dredge 97 2345m	UHI	17-10.16S	115-57.28W	g	GLOR08MV
0127	120693	0	DRRO	E	rock dredge 97 2345m	UHI	17-09.93S	115-57.25W	g	GLOR08MV

#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
0447 120693	0	DRRO	B	rock dredge 98 3266m	UHI	17-07.80S	115-41.56W	g	GLOR08MV
0610 120693	0	DRRO	E	rock dredge 98 3266m	UHI	17-07.82S	115-40.90W	g	GLOR08MV
1119 120693	0	DRRO	B	rock dredge 99 3243m	UHI	17-33.98S	115-22.95W	g	GLOR08MV
1306 120693	0	DRRO	E	rock dredge 99 3243m	UHI	17-33.28S	115-22.25W	g	GLOR08MV
1926 120693	0	DRRO	B	rock dredge100 2720m	UHI	17-55.71S	116-01.27W	g	GLOR08MV
2216 120693	0	DRRO	E	rock dredge100 2720m	UHI	17-55.38S	116-00.82W	g	GLOR08MV
0414 130693	0	DRRO	B	rock dredge101 2877m	UHI	18-05.44S	115-14.88W	g	GLOR08MV
0536 130693	0	DRRO	E	rock dredge101 2877m	UHI	18-04.99S	115-14.64W	g	GLOR08MV
0746 130693	0	DRRO	B	rock dredge102 2485m	UHI	17-59.56S	115-01.71W	g	GLOR08MV
1308 130693	0	DRRO	E	rock dredge102 2485m	UHI	17-56.84S	114-42.79W	g	GLOR08MV
1949 130693	0	DRRO	B	rock dredge103 2702m	UHI	17-54.49S	114-05.77W	g	GLOR08MV
2145 130693	0	DRRO	E	rock dredge103 2702m	UHI	17-54.73S	114-05.21W	g	GLOR08MV
0207 140693	0	DRRO	B	rock dredge104 3076m	UHI	18-19.87S	114-02.51W	g	GLOR08MV
0402 140693	0	DRRO	E	rock dredge104 3076m	UHI	18-19.26S	114-01.72W	g	GLOR08MV
1101 140693	0	DRRO	B	rock dredge105 2844m	UHI	17-53.51S	113-30.89W	g	GLOR08MV
.250 140693	0	DRRO	E	rock dredge105 2844m	UHI	17-54.04S	113-30.38W	g	GLOR08MV
1643 140693	0	DRRO	B	rock dredge106 3003m	UHI	18-06.95S	113-10.22W	g	GLOR08MV
1755 140693	0	DRRO	E	rock dredge106 3003m	UHI	18-06.41S	113-09.79W	g	GLOR08MV
2353 140693	0	DRRO	B	rock dredge107 3030m	UHI	17-49.61S	112-29.01W	g	GLOR08MV
0156 150693	0	DRRO	E	rock dredge107 3030m	UHI	17-49.27S	112-28.06W	g	GLOR08MV
0647 150693	0	DRRO	B	rock dredge108 2926m	UHI	17-47.23S	112-53.62W	g	GLOR08MV
0758 150693	0	DRRO	E	rock dredge108 2926m	UHI	17-47.36S	112-53.22W	g	GLOR08MV
1302 150693	0	DRRO	B	rock dredge109 2929m	UHI	17-38.22S	113-30.00W	g	GLOR08MV
1431 150693	0	DRRO	E	rock dredge109 2929m	UHI	17-38.63S	113-29.42W	g	GLOR08MV
1739 150693	0	DRRO	B	rock dredge110 2442m	UHI	17-34.76S	113-43.77W	g	GLOR08MV
2115 150693	0	DRRO	E	rock dredge110 2442m	UHI	17-34.86S	113-41.99W	g	GLOR08MV
0016 160693	0	DRRO	B	rock dredge111 1832m	UHI	17-32.34S	113-58.54W	g	GLOR08MV
0113 160693	0	DRRO	E	rock dredge111 1832m	UHI	17-32.18S	113-58.79W	g	GLOR08MV
0645 160693	0	DRRO	B	rock dredge112 2634m	UHI	17-38.45S	114-44.45W	g	GLOR08MV
0807 160693	0	DRRO	E	rock dredge112 2634m	UHI	17-38.33S	114-43.76W	g	GLOR08MV

#GMT DDMMYY #TIME DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1047 160693	0	DRRO	B	rock dredge113 3022m	UHI	17-31.80S	114-48.04W	g	GLOR08MV
1301 160693	0	DRRO	E	rock dredge113 3022m	UHI	17-31.85S	114-47.46W	g	GLOR08MV
1548 160693	0	DRRO	B	rock dredge114 3060m	UHI	17-26.28S	114-42.37W	g	GLOR08MV
1720 160693	0	DRRO	E	rock dredge114 3060m	UHI	17-25.39S	114-42.15W	g	GLOR08MV
2329 160693	0	DRRO	B	rock dredge115 2201m	UHI	17-10.16S	113-59.13W	g	GLOR08MV
0022 170693	0	DRRO	E	rock dredge115 2201m	UHI	17-09.93S	113-58.86W	g	GLOR08MV
0542 170693	0	DRRO	B	rock dredge116 2863m	UHI	17-11.35S	113-18.31W	g	GLOR08MV
0715 170693	0	DRRO	E	rock dredge116 2863m	UHI	17-12.05S	113-18.14W	g	GLOR08MV
1107 170693	0	DRRO	B	rock dredge117 2942m	UHI	17-29.05S	113-05.14W	g	GLOR08MV
1223 170693	0	DRRO	E	rock dredge117 2942m	UHI	17-28.91S	113-04.42W	g	GLOR08MV
1625 170693	0	DRRO	B	rock dredge118 2923m	UHI	17-38.17S	112-41.93W	g	GLOR08MV
1747 170693	0	DRRO	E	rock dredge118 2923m	UHI	17-37.82S	112-41.50W	g	GLOR08MV
2155 170693	0	DRRO	B	rock dredge119 2971m	UHI	17-18.91S	112-55.90W	g	GLOR08MV
2336 170693	0	DRRO	E	rock dredge119 2971m	UHI	17-18.51S	112-54.64W	g	GLOR08MV
0224 180693	0	DRRO	B	rock dredge120 2900m	UHI	17-10.81S	113-00.96W	g	GLOR08MV
0433 180693	0	DRRO	E	rock dredge120 2900m	UHI	17-10.80S	112-59.95W	g	GLOR08MV
0827 180693	0	DRRO	B	rock dredge121 3003m	UHI	16-51.26S	112-52.03W	g	GLOR08MV
0938 180693	0	DRRO	E	rock dredge121 3003m	UHI	16-51.01S	112-51.58W	g	GLOR08MV
1350 180693	0	DRRO	B	rock dredge122 2896m	UHI	16-53.88S	113-16.39W	g	GLOR08MV
1532 180693	0	DRRO	E	rock dredge122 2896m	UHI	16-53.44S	113-15.58W	g	GLOR08MV
1849 180693	0	DRRO	B	rock dredge123 3000m	UHI	16-45.53S	113-11.11W	g	GLOR08MV
2002 180693	0	DRRO	E	rock dredge123 3000m	UHI	16-44.76S	113-10.71W	g	GLOR08MV
2240 180693	0	DRRO	B	rock dredge124 2822m	UHI	16-41.80S	113-18.76W	g	GLOR08MV
0019 190693	0	DRRO	E	rock dredge124 2822m	UHI	16-41.00S	113-17.89W	g	GLOR08MV
0234 190693	0	DRRO	B	rock dredge125 2925m	UHI	16-39.00S	113-21.70W	g	GLOR08MV
0411 190693	0	DRRO	E	rock dredge125 2925m	UHI	16-38.99S	113-21.02W	g	GLOR08MV
0645 190693	0	DRRO	B	rock dredge126 2823m	UHI	16-40.69S	113-28.19W	g	GLOR08MV
0754 190693	0	DRRO	E	rock dredge126 2823m	UHI	16-40.46S	113-27.70W	g	GLOR08MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
1135	190693	0	DRRO	B	rock dredge127 3041m	UHI	16-49.80S	113-44.30W	g	GLOR08MV
1307	190693	0	DRRO	E	rock dredge127 3041m	UHI	16-49.86S	113-43.60W	g	GLOR08MV
1600	190693	0	DRRO	B	rock dredge128 2957m	UHI	16-48.72S	113-50.73W	g	GLOR08MV
1800	190693	0	DRRO	E	rock dredge128 2957m	UHI	16-48.79S	113-50.33W	g	GLOR08MV
0045	200693	0	DRRO	B	rock dredge129 3121m	UHI	16-19.76S	113-07.31W	g	GLOR08MV
0200	200693	0	DRRO	E	rock dredge129 3121m	UHI	16-19.56S	113-07.29W	g	GLOR08MV
0615	200693	0	DRRO	B	rock dredge130 3010m	UHI	15-51.34S	113-04.32W	g	GLOR08MV
0703	200693	0	DRRO	E	rock dredge130 3010m	UHI	15-51.68S	113-04.24W	g	GLOR08MV
1130	200693	0	DRRO	B	rock dredge131 3007m	UHI	16-11.62S	113-21.45W	g	GLOR08MV
1416	200693	0	DRRO	E	rock dredge131 3007m	UHI	16-12.40S	113-20.71W	g	GLOR08MV
2136	200693	0	DRRO	B	rock dredge132 2800m	UHI	16-10.08S	114-26.06W	g	GLOR08MV
2247	200693	0	DRRO	E	rock dredge132 2800m	UHI	16-10.30S	114-26.08W	g	GLOR08MV
0248	210693	0	DRRO	B	rock dredge133 1622m	UHI	16-04.30S	114-52.47W	g	GLOR08MV
0341	210693	0	DRRO	E	rock dredge133 1622m	UHI	16-04.55S	114-52.50W	g	GLOR08MV
1029	210693	0	DRRO	B	rock dredge134 3035m	UHI	15-24.20S	115-15.54W	g	GLOR08MV
257	210693	0	DRRO	E	rock dredge134 3035m	UHI	15-23.95S	115-15.31W	g	GLOR08MV
1910	210693	0	DRRO	B	rock dredge135 3033m	UHI	15-49.83S	115-53.02W	g	GLOR08MV
2037	210693	0	DRRO	E	rock dredge135 3033m	UHI	15-50.15S	115-52.61W	g	GLOR08MV
2331	210693	0	DRRO	B	rock dredge136 3147m	UHI	15-48.02S	115-59.43W	g	GLOR08MV
0116	220693	0	DRRO	E	rock dredge136 3147m	UHI	15-48.72S	115-58.57W	g	GLOR08MV
0554	220693	0	DRRO	B	rock dredge137 2350m	UHI	15-24.93S	115-58.85W	g	GLOR08MV
0824	220693	0	DRRO	E	rock dredge137 2350m	UHI	15-24.92S	115-58.65W	g	GLOR08MV
1413	220693	0	DRRO	B	rock dredge138 3324m	UHI	15-29.32S	116-38.33W	g	GLOR08MV
1645	220693	0	DRRO	E	rock dredge138 3324m	UHI	15-30.12S	116-37.50W	g	GLOR08MV
0009	250693	0	DRRO	B	rock dredge139 2762m	UHI	8-20.28S	107-59.19W	g	GLOR08MV
0033	250693	0	DRRO	E	rock dredge139 2762m	UHI	8-20.42S	107-59.25W	g	GLOR08MV
0259	250693	0	DRRO	B	rock dredge140 3035m	UHI	8-17.73S	107-54.87W	g	GLOR08MV
0340	250693	0	DRRO	E	rock dredge140 3035m	UHI	8-17.34S	107-55.14W	g	GLOR08MV

#GMT TIME	DDMMYY DATE	TZ	SAMP CODE	B E	SAMPLE IDENTIFIER	DISP CODE	LATITUDE	LONGITUDE	p c	CRUISE LEG-SHIP
0617	250693	0	DRRO	B	rock dredge141 3004m	UHI	8-13.53S	107-53.24W	g	GLOR08MV
0651	250693	0	DRRO	E	rock dredge141 3004m	UHI	8-12.93S	107-53.32W	g	GLOR08MV
0859	250693	0	DRRO	B	rock dredge142 2745m	UHI	8-10.02S	107-56.61W	g	GLOR08MV
0934	250693	0	DRRO	E	rock dredge142 2745m	UHI	8-10.13S	107-56.25W	g	GLOR08MV
1205	250693	0	DRRO	B	rock dredge143 2859m	UHI	8-15.75S	107-55.92W	g	GLOR08MV
1303	250693	0	DRRO	E	rock dredge143 2859m	UHI	8-15.29S	107-55.96W	g	GLOR08MV
1538	250693	0	DRRO	B	rock dredge144 3140m	UHI	8-22.16S	107-52.45W	g	GLOR08MV
1726	250693	0	DRRO	E	rock dredge144 3140m	UHI	8-19.79S	107-54.88W	g	GLOR08MV
2208	250693	0	DRRO	B	rock dredge145 2711m	UHI	8-15.42S	107-57.97W	g	GLOR08MV
2241	250693	0	DRRO	E	rock dredge145 2711m	UHI	8-15.26S	107-57.55W	g	GLOR08MV
0123	260693	0	DRRO	B	rock dredge146 3132m	UHI	8-11.44S	107-50.74W	g	GLOR08MV
0239	260693	0	DRRO	E	rock dredge146 3132m	UHI	8-11.21S	107-50.93W	g	GLOR08MV
#*** Rock Glass Core ***										
1846	250693	0	CORG		glass core 3 2730m	UHI	8-17.71S	107-58.49W	g	GLOR08MV
2013	250693	0	CORG		glass core 4 2730m	UHI	8-15.90S	107-57.85W	g	GLOR08MV
#*** Continuous Recorded Gravity ***										
2200	310593	0	GVCR	B	digital gravity	GDC	27-08.56S	109-26.33W	g	GLOR08MV
1400	010793	0	GVCR	E	digital gravity	GDC	16-50.76N	99-54.13W	g	GLOR08MV
#*** End sample index										GLOR08MV