

BATHYMETRIC AND MAGNETIC TRAVERSES
OVER THE SOUTH WEST MARGIN OF THE
ROCKALL PLATEAU

P. R. MILES

R. R. S. 'Discovery' Cruise 60
26th February - 22nd March 1974

DATA REPORT No. 9

1976

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This document describes geophysical data collected by the Deep Sea Floor Group of the Institute of Oceanographic Sciences (Wormley), and continues the series of I. O. S. Data Reports as shown overleaf. The series is intended to provide an efficient means of documenting the data not only for internal use but also for distribution to the scientific community.

On citing this report in a bibliography the reference should be followed by the words UNPUBLISHED MANUSCRIPT.

PREVIOUS REPORTS IN THIS SERIES

- JONES M.T. 1972 Bathymetric and Magnetic Traverses in the area of Rockall Bank and Kings Trough; R.R.S."Discovery" Cruise 33, National Institute of Oceanography Data Report Geophysics 1 21pp & figs (Unpublished Manuscript)
- JONES M.T. 1973 Bathymetric and Magnetic Traverses across the North Atlantic; N.C. Marcel Bayard, Cantat II Ocean Survey Cruise, National Institute of Oceanography Data Report Geophysics 2 24pp & figs (Unpublished Manuscript)
- OLLIFF N.J. 1973 "GLORIA" in Peake and Freen Deeps and on the Azores-Gibraltar Rise; R.R.S."Discovery" Cruise 43, National Institute of Oceanography Data Report Geophysics 3 20pp & figs (Unpublished Manuscript)
- OLLIFF N.J. 1973 Bathymetric and Magnetic Traverses over the Rockall Plateau; R.R.S."Discovery" Cruise 47, National Institute of Oceanography Data Report Geophysics 4 20pp & figs. (Unpublished Manuscript)
- MILES P.R. 1976 "GLORIA" studies of the Mid-Atlantic Ridge (FAMOUS area) and the Azores-Gibraltar Plate Boundary; R.R.S."Discovery" Cruise 54, Institute of Oceanographic Sciences Data Report No. 8 22pp & figs. (Unpublished Manuscript)

ABSTRACT

This report contains bathymetric and magnetic data collected during Cruise 60 on R. R. S. Discovery in February-March, 1974. The profiles, tables and track charts were all generated automatically from data files stored on disk by the shipboard IBM 1800 computer. Included in the report is a description of methods used in data acquisition and preparation.

CONTENTS

Abstract.....	3
Cruise Objectives.....	9
Instrumentation.....	10
Navigation ..	11
Shipboard Acquisition, Reduction and Storage of Data.....	12
Contents of Shipboard Data Files.....	15
Editing of Data Files.....	17
Data Transfer to National Academy of Sciences Format.....	18
Data Presentation.....	19
References.....	23

Section A : 1:2, 400, 000 Profiles of Reduced Data and P. E. S. Records

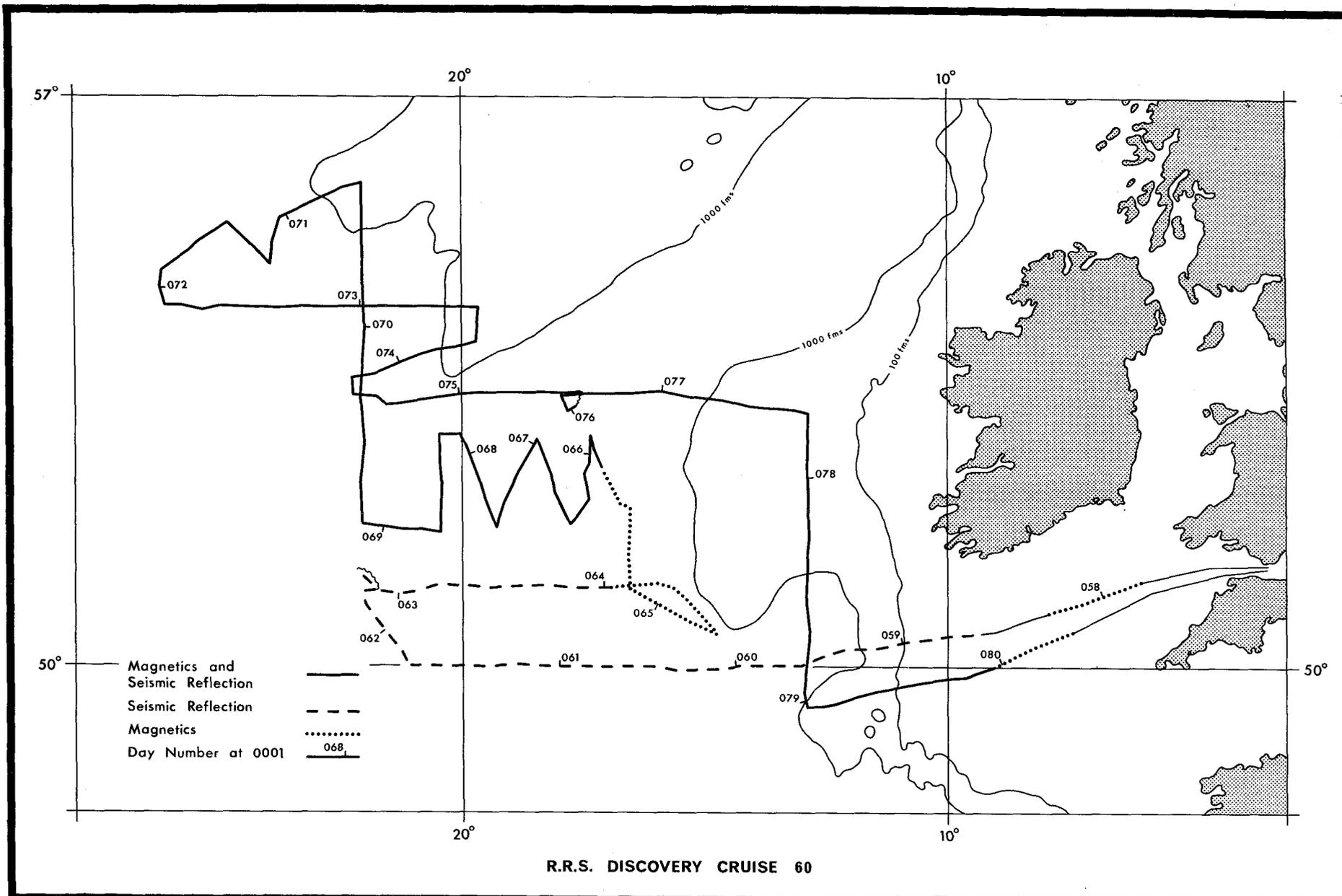
B : Listing of Navigation Points and 1:1, 000, 000 Track Charts

C : Tables of Total Magnetic Field and Uncorrected Depth

D : Tables of Magnetic Anomaly and Corrected Depth

E : Station Position Tables

Profile Location Sheet - Inside back cover.



R.R.S. DISCOVERY CRUISE 60

FIG(1)

CRUISE OBJECTIVES

The principal objectives of this cruise were to execute seismic reflection profiles on the south west margin of the Rockall Plateau and in the south western approaches to the English Channel which, with magnetic and bathymetric measurements, velocity data from Disposable Sonobuoys and dredging, would fulfil the following aims:

- (a) To examine the nature of continent-ocean boundary on the south west margin of Rockall Plateau with particular emphasis on the relationship of spreading rate changes to the structural and stratigraphic history.
- (b) Comparison of the continental margin with the 76 m. y. spreading discontinuity in the oceanic crust to the west of Porcupine Bank.
- (c) Comparative study of ensimatic rift margins at 52°N 21°W, 53°N 25°W.
- (d) Eastward extension of the Gibbs Fracture Zone and southward extension of the east margin of Rockall Plateau.
- (e) Comparative geological history of the Celtic Sea, Porcupine Seabight and Rockall Trough.
- (f) JOIDES site surveys in the Hatton-Rockall Basin and in the Rockall Trough.
- (g) Dredging on Fangon Bank, Edoras Bank and Porcupine Bank.
- (h) Disposable sonobuoys were to be used to obtain velocity data in areas of thick sediments. Trials to measure the efficiency and performance of the new hydrographic winch and comparisons of noise levels between I. O. S. and small diameter Geomecanique arrays.

INSTRUMENTATION

Magnetics: A Varian V-75 proton magnetometer was operated throughout the cruise, the instrument malfunctioning twice through pre-amp and power supply failure. The data were recorded in analogue form on a chart recorder and also stored in digital form on the shipboard computer as two minute values. Erroneous data, normally caused by radio transmission interference from the ship, were corrected during the editing of the data files on board. No corrections were made for either daily variation or the effect of the ship's heading.

Bathymetry: An I. O. S. Mark III Precision Echo-Sounder was used to record continuous soundings on a mifax display at an assumed velocity of 800fms/sec. Except when the ship was on station, readings were made at six minute intervals and manually entered into the computer. Matthews corrections were automatically applied by the computer from the navigation data.

NAVIGATION

The following navigational aids were used:

- (a) Satellite Navigation System using two Magnavox 702CA receivers working in conjunction with the shipboard IBM 1800 computer.
- (b) LORAN - C

The computer was used throughout the cruise to control the navigation and regular checks were made on its performance using manually prepared bridge plots. The satellite navigation was used as the prime navaid throughout the cruise owing to problems over the logging of LORAN - C fixes.

The ship's position was determined from satellite fixes used in conjunction with a dead reckoning derived by the computer from inputs of the I. O. S. two component EM log and the gyrocompass. For each accepted satellite pass the dead reckoning was automatically adjusted by the computer to agree with the satellite fixes, the amount of adjustment being attributed to a 'current' which was used to compute adjusted values of the ship's position at two minute intervals. As the computed current can be considered the sum of actual ocean current, satellite fix error and EM log calibration error, all satellite fixes giving rise to a current greater than 2 knots were rejected as erroneous. After a track update, dead reckoning continues from the last accepted satellite fix.

SHIPBOARD ACQUISITION, REDUCTION AND STORAGE OF DATA

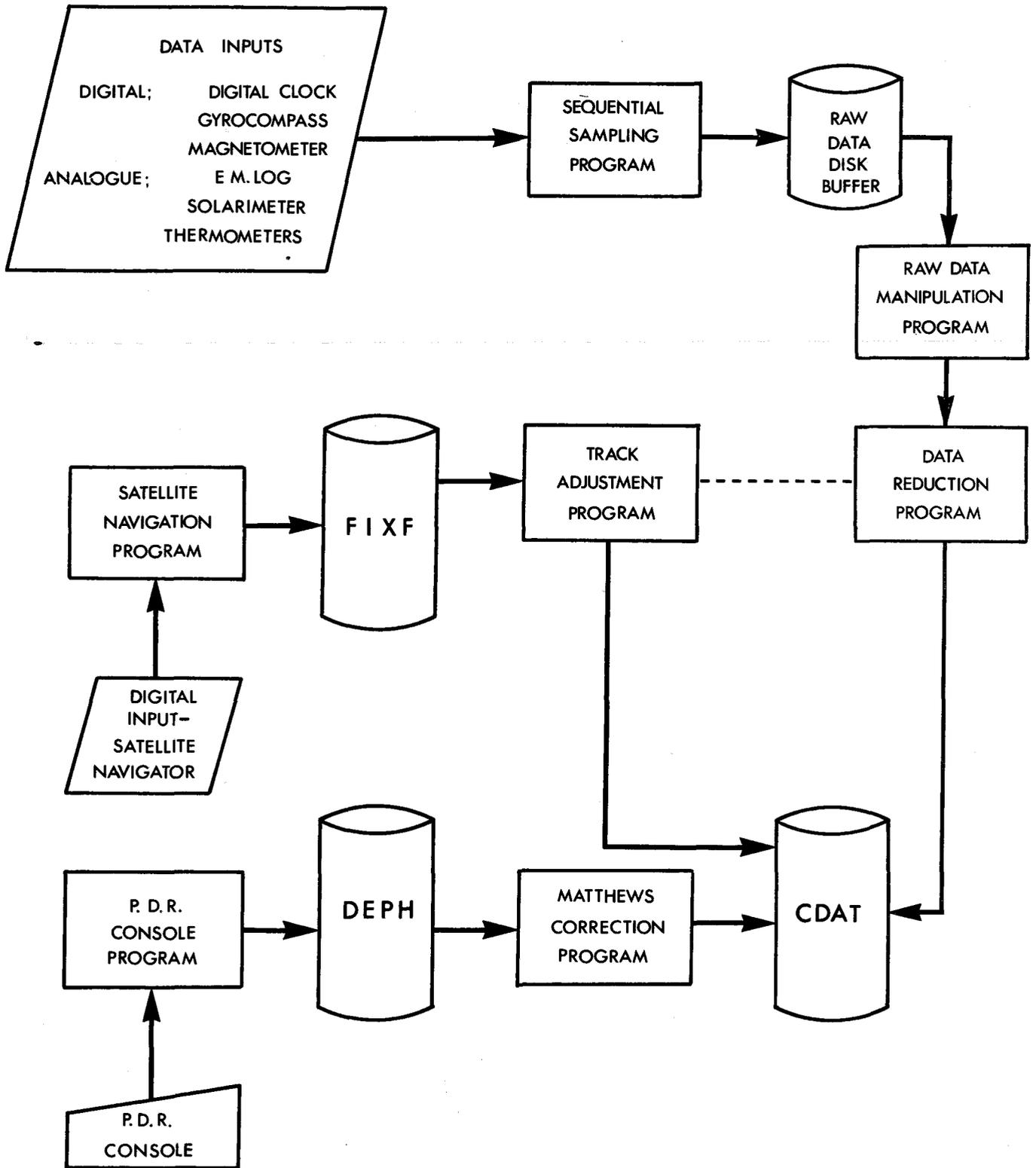
The basic configuration of the shipboard data system is summarised in figure (2). The Sequential Sampling Program controls the sampling of the digital clock, gyrocompass, magnetometer, 2 component e. m. log and the meteorological instruments, buffering the data to a raw data disk buffer. Two of these buffers share the data sampling, each for two minute intervals when the sampling program switches buffer and initiates the raw data manipulation program to yield two minute values of the sampled variable. The data are then processed in the data reduction program to reduce total magnetic field values to anomaly values by removal of the International Geomagnetic Reference Field (Mead 1970) and to correct the measured wind's velocity for the effect of the ship's velocity. The corrected data, together with the day number and time are written to the processed data file, CDAT. At this stage the program also updates the dead reckoning position of the ship and stores it in CDAT.

When the satellite receiver locks on to a satellite, an interrupt is given to the computer which then reads the satellite data and stores it on disk. These interrupts occur every two minutes during a satellite pass and on completion a series of programs are executed to decode the information and calculate the geographical position. A summary of the data is then stored on the satellite fix file FIXF.

After each satellite pass the Track Adjustment Program is executed to update and adjust the dead reckoning to agree with the satellite fixes. Fixes giving 'currents' of greater than 2 knots are rejected, and adjusted values of position, course made good, speed made good and distance run are written to CDAT, the data reduction program being recalled to adjust IGRF for anomaly calculations.

Depths are entered manually into the system through the P. E. S. Console as day number, time and depth (uncorrected fathoms). The Matthews Correction Program is executed to convert the depth data to corrected fathoms, computer approximated curves being used in the correction (Howarth 1970), and depth data is entered to CDAT during each course update.

General purpose plotting programs are available under the MPX operating system to



Fig(2) SHIPBOARD AQUISITION, REDUCTION & STORAGE OF DATA

display data stored on the CDAT disk files. Profiles of the observed variables against either time or distance can be plotted and Mercator projection track charts with, if required, plotted numerical values of an observed variable may be generated. For Cruise 60, a complete series of 1:1,000,000 track charts and profiles of geophysical and meteorological variables were produced for both immediate interpretation and identifying errors in the stored data.

CONTENTS OF SHIPBOARD DATA FILES (CDAT)

CDAT is the main corrected data file containing 53 words per record and a nominal data frequency of two minutes.

<u>Word</u>	<u>Field</u>	<u>Unit</u>
1	Day	
2	Time	Minutes *10
3	Latitude	Degrees
4	Latitude	Minutes *100
5	Longitude	Degrees
6	Longitude	Minutes *100
7	Navigational Status	
8 - 13	Status of data in words 14 - 53	
16	Gyro in Use	Degrees *10
17	Course through Water	Degrees *10
18	Speed through Water	Knot *100
19	Course made Good	Degrees *10
20	Speed made Good	Knot *100
21	EM Log Velocity North	Knot *100
22	EM Log Velocity East	Knot *100
23	Corrected Wind Speed	Knot *100
24	Corrected Wind Direction	Degrees *10
25	Thermometer Starboard. Dry	°C *10
26	Thermometer Starboard. Dry-wet	°C *10
27	Thermometer Port. Dry	°C *10
28	Thermometer Port. Dry-wet	°C *10
29	Spare	
30	Magnetic Field	Gamma /2
31	Magnetic Anomaly	Gamma
32	Blank	
33	Relative Wind North	Knot *100
34	Relative Wind East	Knot *100

35	Solarimeter	mW *10 x cm ²
36	Uncorrected Depth	Fathom
37	Corrected Depth	Fathom
38	Matthews Area	
39	Distance run in Day	Mile *100
40	Barometric Pressure	Mbar *10
41	Hull Temperature	°C *100

EDITING OF DATA FILES

Navigation, bathymetric and magnetic data were edited on board using the MPX operating system. The procedure involved generation of navigation plots, bathymetric lists and magnetic profiles every 24 hours and their systematic analysis for errors.

Navigation was assessed by inspecting plots of corrected D. R. data for spurious values of speeds and courses, usually in the form of spikes, and by comparing a running plot kept by the bridge with daily computed plots of the ship's track and satellite fixes at a scale of 1 in 1×10^6 . The computer automatically rejected fixes which gave rise to apparent currents between fixes of greater than 2 kts. Other satellite fixes were manually rejected because of too low or too high elevation. Whenever a fix was manually rejected or accepted, an off-line program was run to do the course corrections and recompute regional magnetic fields and Matthews Area corrections.

The stored total magnetic field values were plotted in the same form as that on the chart recorder of the magnetometer. The two records were compared for differences and in this way errors, normally in the form of data spikes, were detected and corrected.

The P. E. S. record was removed from the Mufax recorder daily and checked for mistakes. The record was then compared with a list of depths logged in the CDAT file. Any corrections were re-entered via the P. E. S. input console and written into the CDAT file during the next course correction update.

Charts of the ship's track and depth were plotted for the geophysical survey and 1 in 1×10^6 tracks of the complete cruise were drawn on Admiralty plotting sheets.

Data Transfer to National Academy of Sciences Format

Once edited the magnetic, bathymetric and navigational data stored on disk are transferred to cards in the National Academy of Sciences merged-merged format using the program MMERG. The format has a certain degree of national and international acceptance and as such is useful for data exchange purposes.

Each data record consists of a card punched:

<u>CC</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
1 - 8	Ship, cruise and identification	
9 - 13	Time zone. GMT = 00	Format \pm F4.2
14 -15	Year	Last two digits
16- 17	Month	Format I2
18-19	Day	Day of month
20	Blank	
21-22	Hour	
23-25	Minute	Format F3.1
26-33	Latitude, north +ve	Format \pm F6.4
34-42	Longitude, east +ve	Format \pm F7.4
43	Navigation point identification	1 for fix; 2 for course change. \emptyset /blank for data point.
44	Fix description	9 for satellite
45-52	Blank	
53-57	Uncorrected fathoms	Format F5.1
58-62	Corrected Metres	Format I5
63-64	Matthews area	Format I2
66-70	Total magnetic field, gammas	Format I5
71-75	Magnetic anomaly	Format \pm I4
76-80	Free air anomaly	Format \pm I4

All decimal points are implied.

DATA PRESENTATION

This report is intended to meet as effectively as possible the varying requirements of the personnel most likely to make use of the bathymetric and magnetic data of Cruise 60. Because of the large volume of data involved, it is not considered practical to include listings of the original CDAT data files. The data is presented at three levels of processing:

- (a) Summarized listings of raw data
- (b) Summarized listings of reduced data
- (c) Profiles of reduced data

The computing aspects of the data presentation are given in figure (3). It is intended that when used in conjunction with either the 1:1,000,000 track charts or the navigation tables produced by NAVPT, the data should be suitable for incorporation into compilation charts or for further computer orientated calculations. For a more direct scientific interpretation of the data, the 1:2,400,000 profiles are supplemented with a track chart at the same scale overlain on a bathymetric chart. Reduced copies of the original P. E. S. records are also included in the report to enable study of the bathymetry in more detail than is given by either the profiles or the listing.

(1) Profile Location Sheets

The ship's track for cruise 60 has been manually prepared on a bathymetric chart of 1:2,400,000 at a standard latitude of 41°N. Except for the 500 metre contour, the contour interval is 1000 metres which illustrate the prominent features of the sea floor relief and provides a context in which to study the profiles presented in Section A. The profiles have been plotted at the same distance scales as the profile location sheets and are identified on the track by a circled figure representing the start of each profile. Changes in day number are also shown on the tracks by a mark at 0000 hrs. annotated with the new day number.

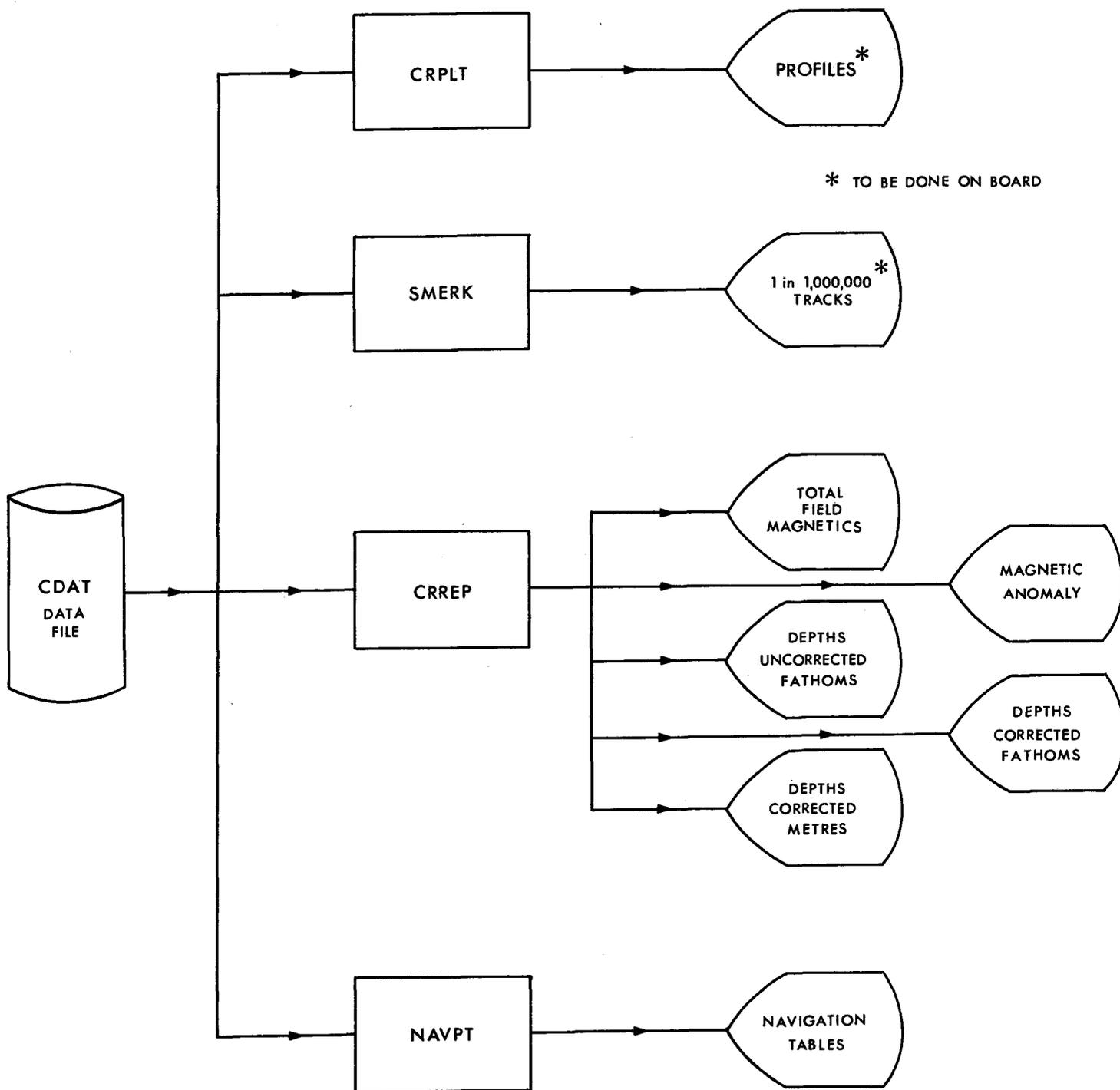


Fig (3) DATA DISPLAY

(2) Section A

This section contains profiles together with reduced copies of the original P. E. S. records. Magnetic anomaly, corrected depth, course made good and speed made good were plotted from the edited CDAT file using CRPLT. The parameters are each plotted against distance run along track in nautical miles from the start of a leg - the distance being scaled to a 1:2,400,000 Mercator grid at 41°N enabling the profiles to be overlain on the profile location sheets. The distance run axis is marked every 10 n. miles and annotated every 50 n. miles; a time axis in G. M. T. is also included so that the profiles can be correlated with the P. E. S. records and tabular listings of data in sections C and D. The magnetic anomaly is plotted at a scale of 400 gammas/inch with a nominal range of ± 600 gammas. However this range is automatically adjusted by CRPLT for each profile so as to cope with the range of data values in CDAT. Each 2-minute magnetic anomaly value is plotted but the pen is lifted each time there is a data gap in excess of 4 minutes. Corrected depth is plotted at a scale of 2000 fms. /inch with a nominal range of 0-4000 fms. The vertical exaggeration of the bathymetric profiles is 16-9:1 at 41°N. As depth is not continuously recorded at 2-minute intervals, each depth reading is marked on the profile by a small tick and successive readings are joined by a straight line. Gaps in data therefore appear as straight lines without tick marks.

Each profile is accompanied on the facing page by a reduced copy of the relevant section of the P. E. S. record. As the P. E. S. records against time and not distance, it is impractical to provide a one-to-one correspondence in horizontal axis scale between the profiles and P. E. S. records. Correlations between the two have to be made by time, the P. E. S. records are therefore annotated with hour marks. The recording depth phase of the P. E. S. records are also shown, the 100 fathom lines within this phase are discernable on the original record as horizontal lines.

(3) Section B

This section contains a listing of the significant navigation points and computer-generated navigation track charts. The navigation points were selected from the CDAT file using NAVAD and provide a linearly interpolatable track to within 0.25 n.

miles of that contained in CDAT. The track charts were plotted from the two minute positions in CDAT using SMERK and are scaled at 1:1,000,000 at the 57°N standard latitude. Each hour is marked on the track and annotated, the day number being given every six hours. The positions of accepted satellite fixes were automatically plotted on the track charts with time in hours and minutes.

(4) Section C

This section contains tabulated 6 minute listings of the uncorrected magnetic and bathymetric data. All data presented in sections C and D has been produced using CRREP and CDAT. The data file is searched for significant maxima or minima not sampled on the six minute interval and these are written onto the field of the previous six minute sample followed by an asterisk and the time recorded as minutes past the hour.

(5) Section D

This section tabulates six minute listings of the reduced magnetic and bathymetric data. Magnetic anomaly (total magnetic field minus the International Geomagnetic Reference field) and the corrected depth in both fathoms and metres are read from CDAT.

(6) Section E

This section contains station position tables.

REFERENCES

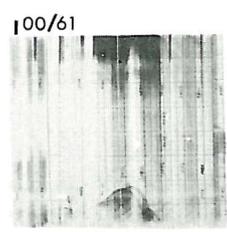
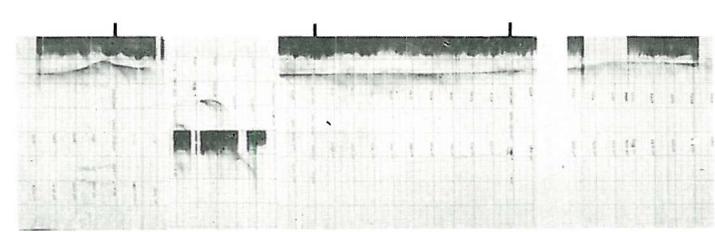
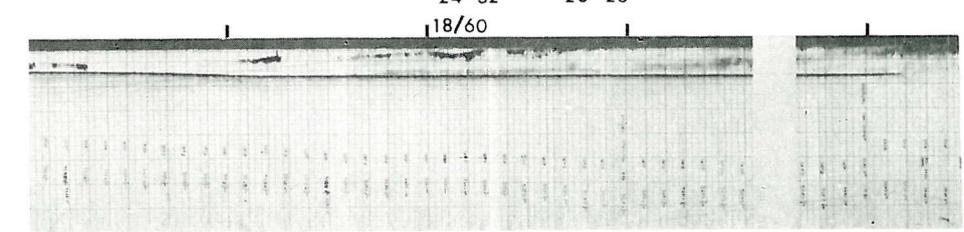
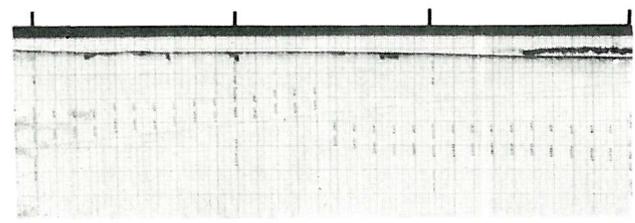
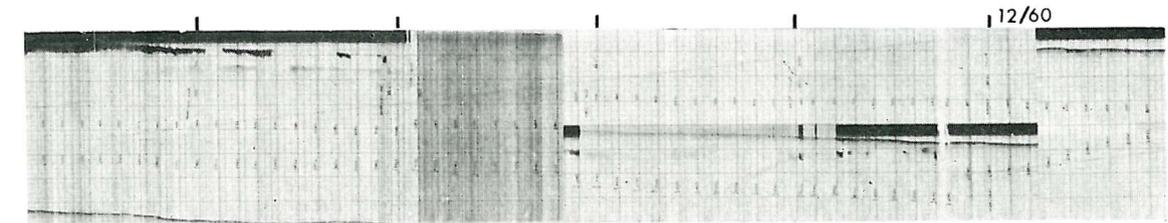
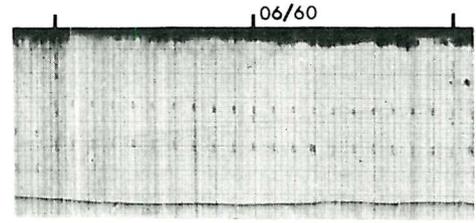
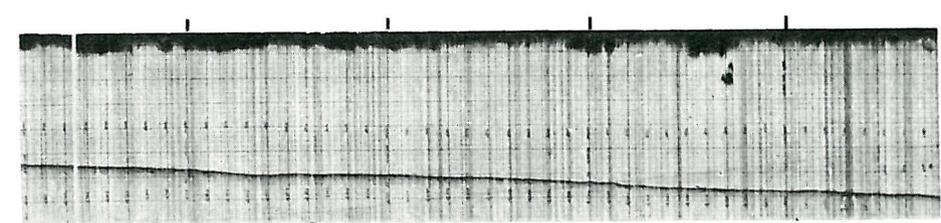
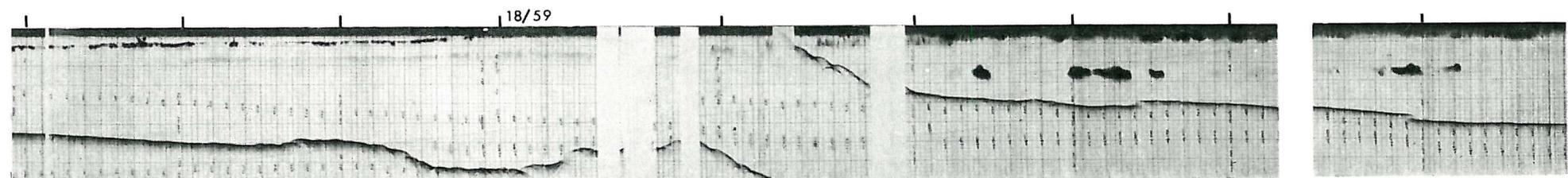
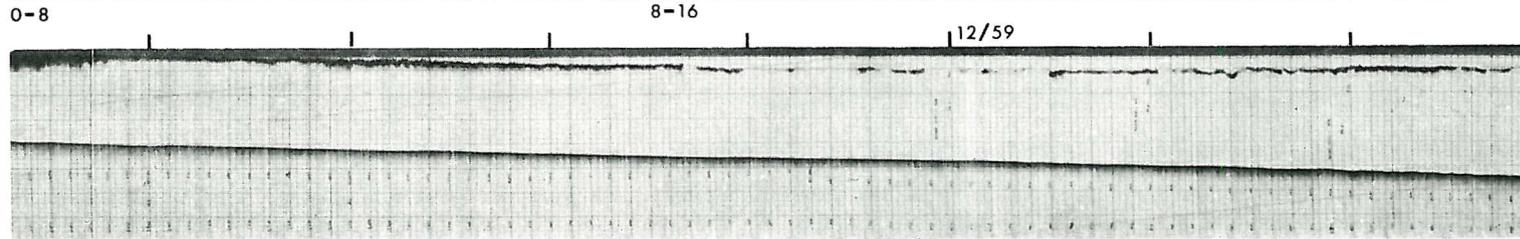
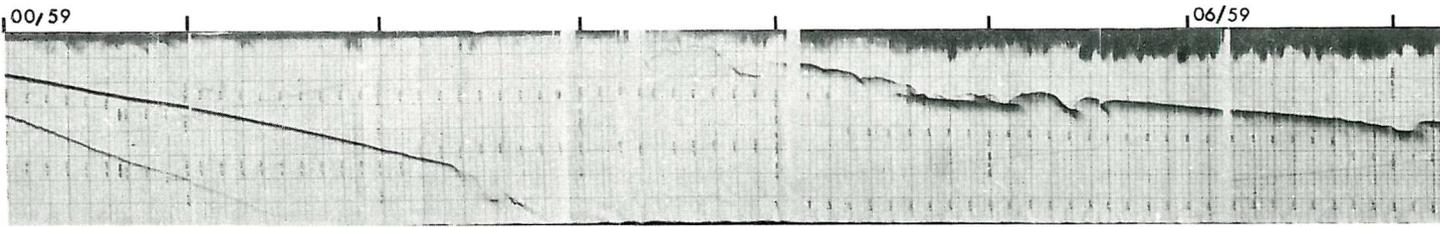
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SECTION A

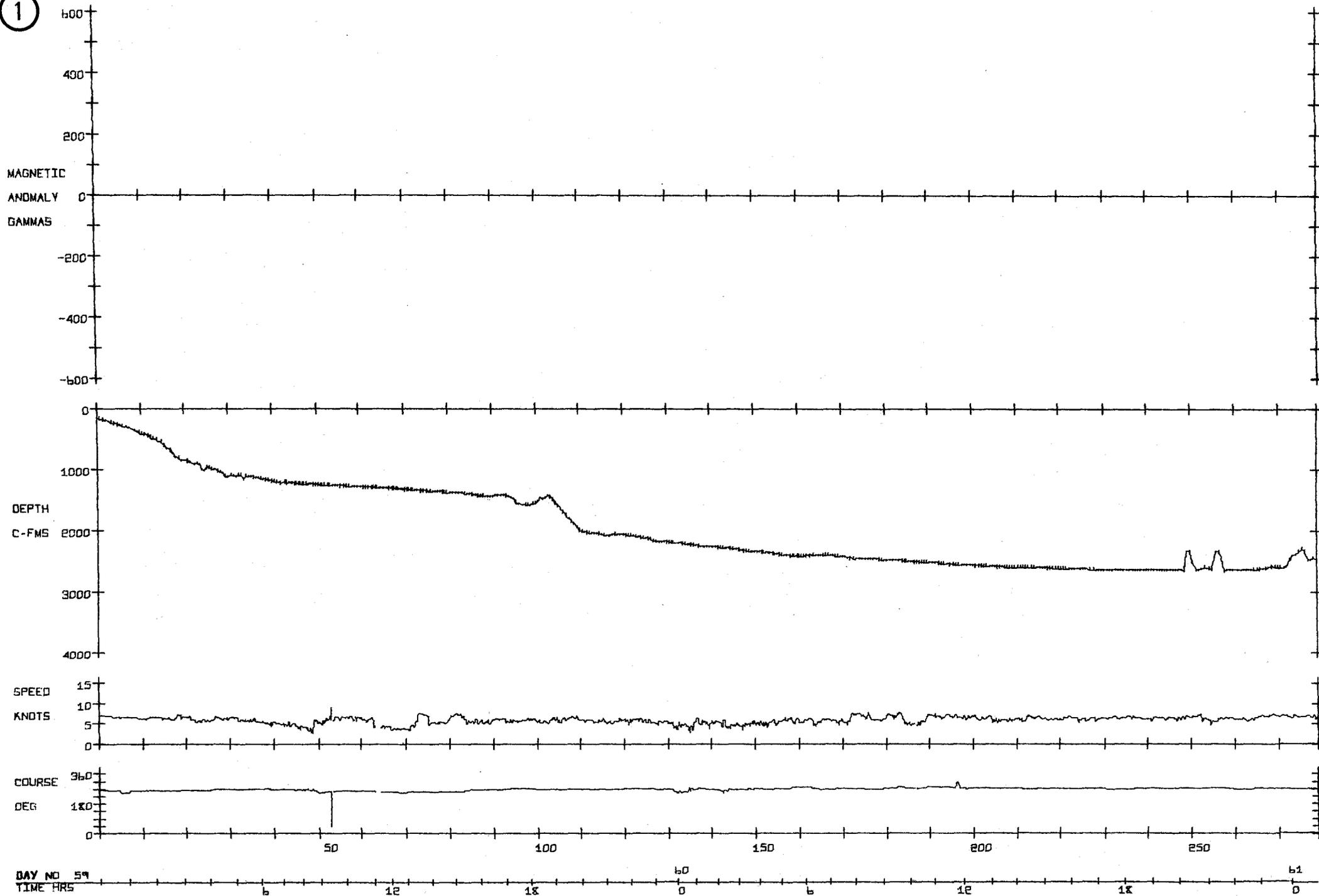
Precision Echo-Sounder Records

1:2,400,000 Profiles of Reduced Data

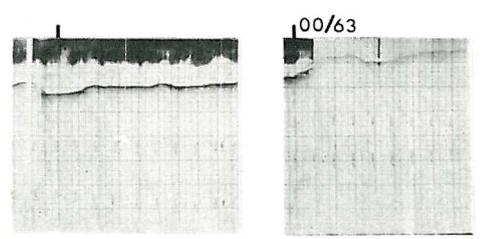
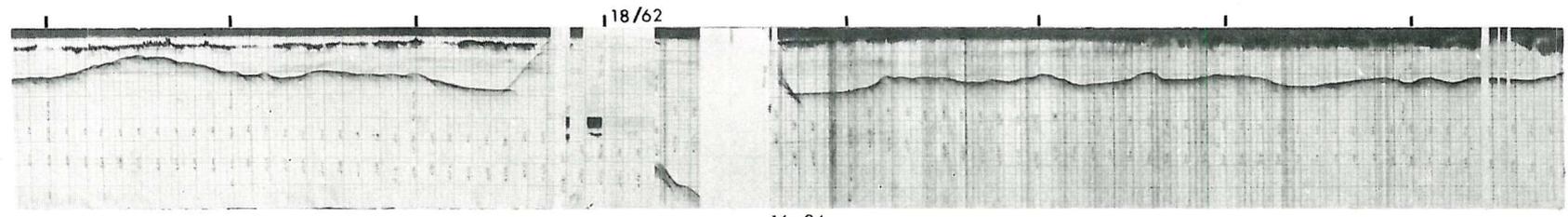
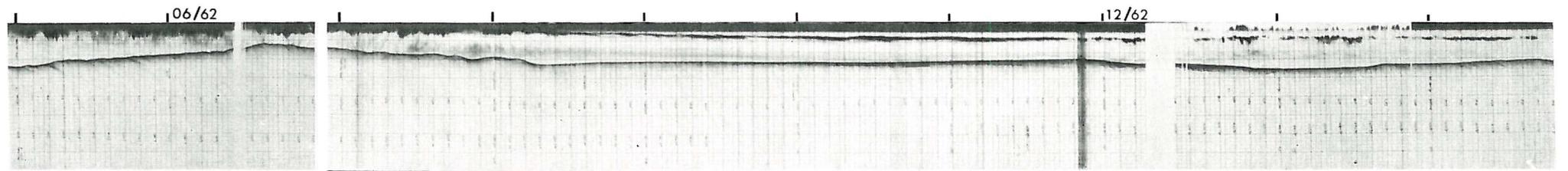
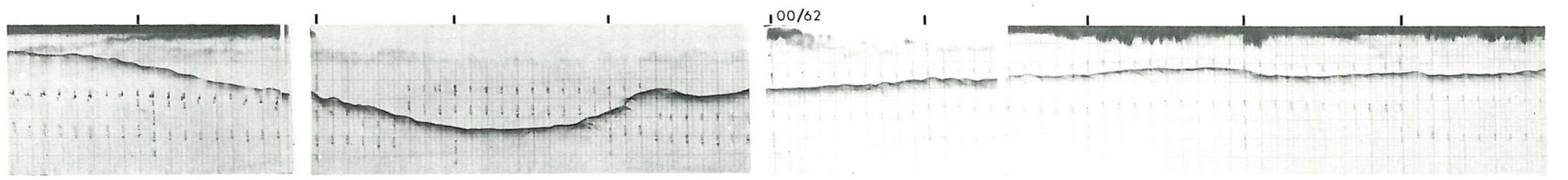
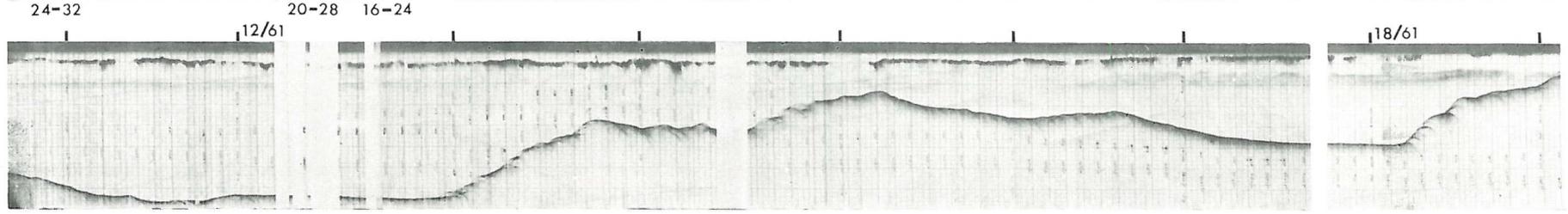
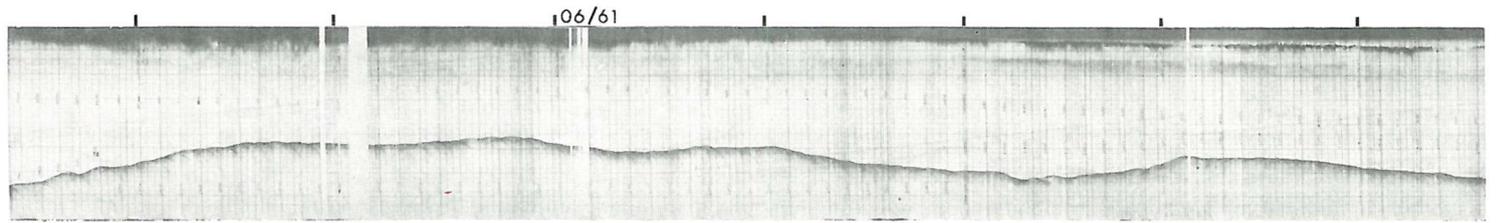
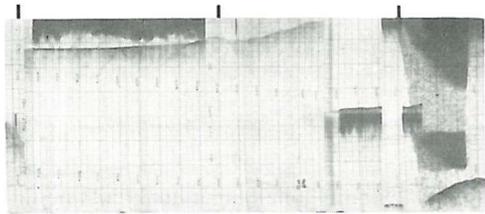
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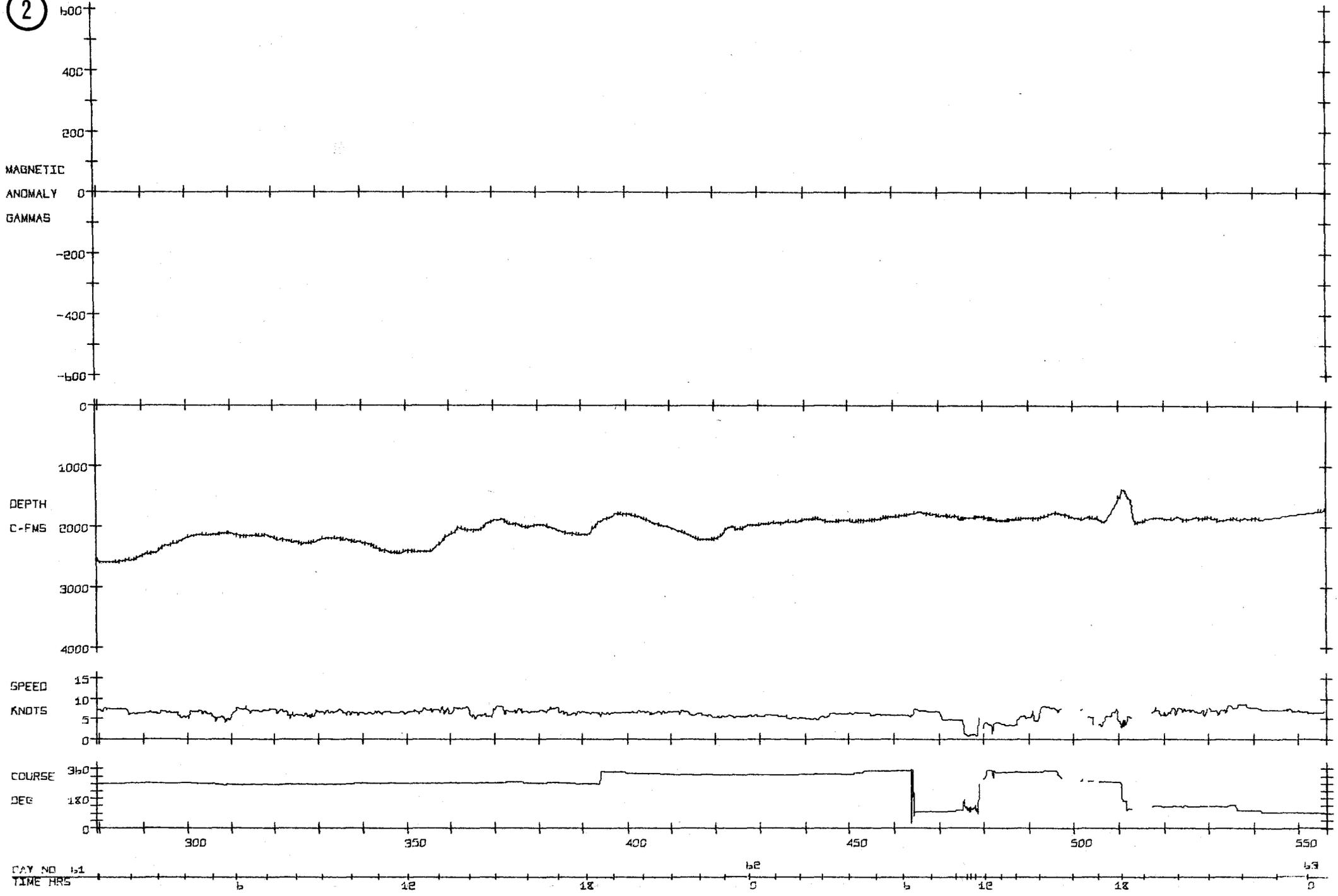


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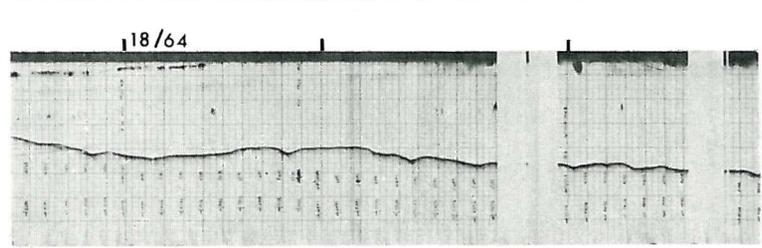
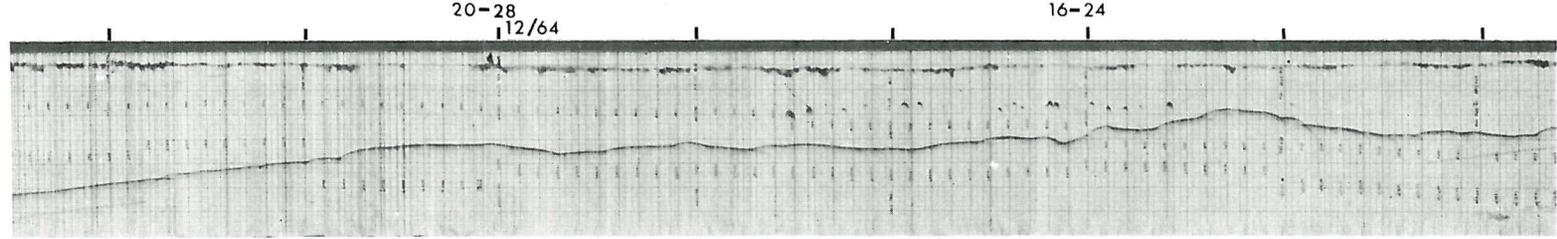
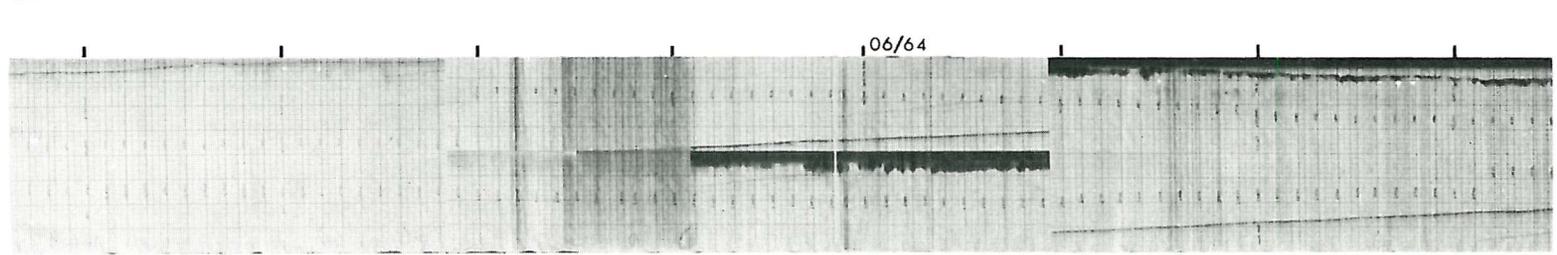
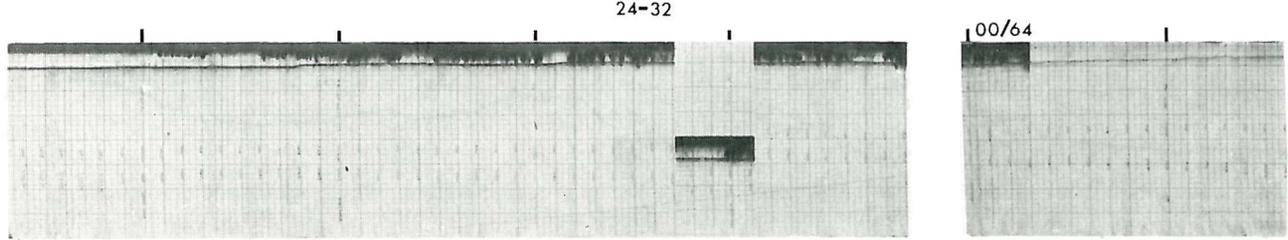
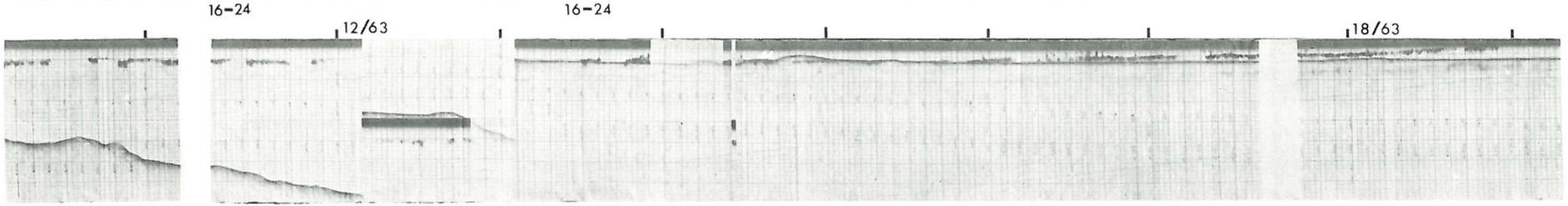
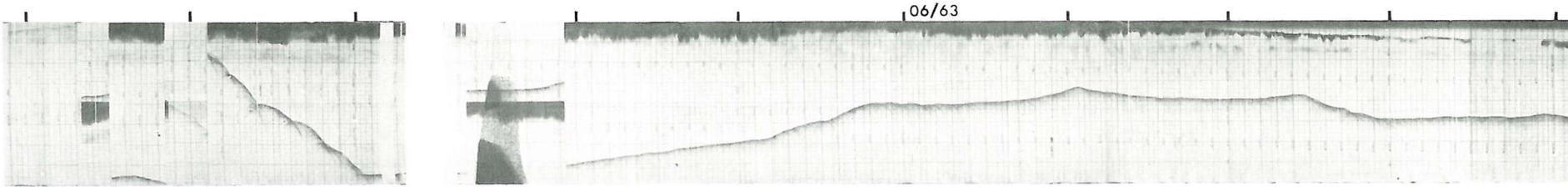


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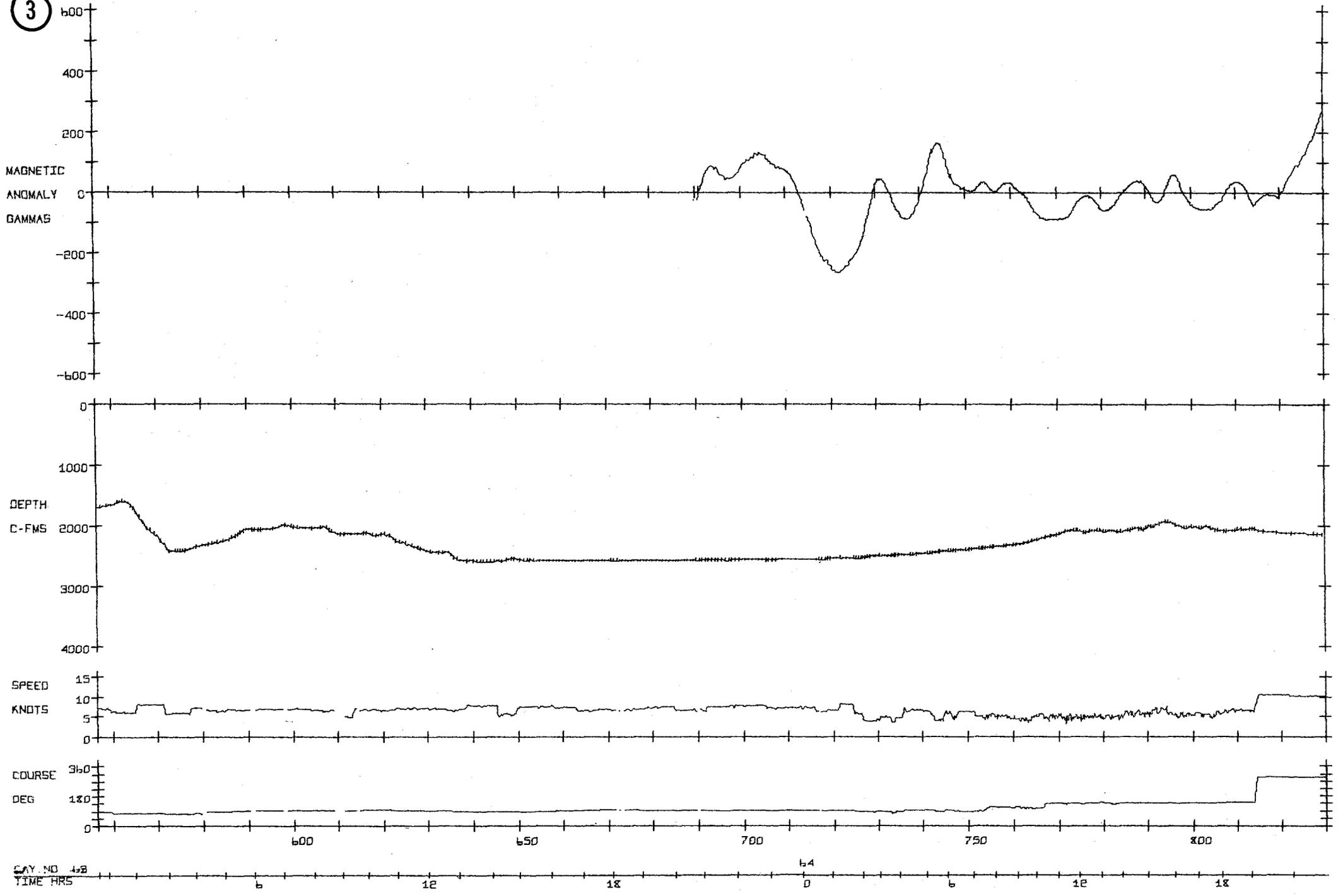
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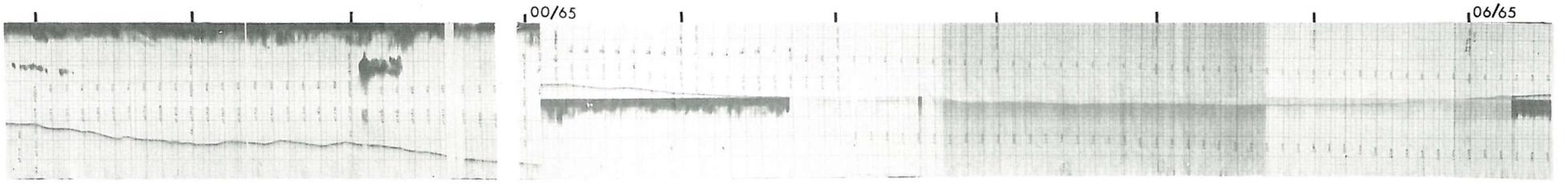


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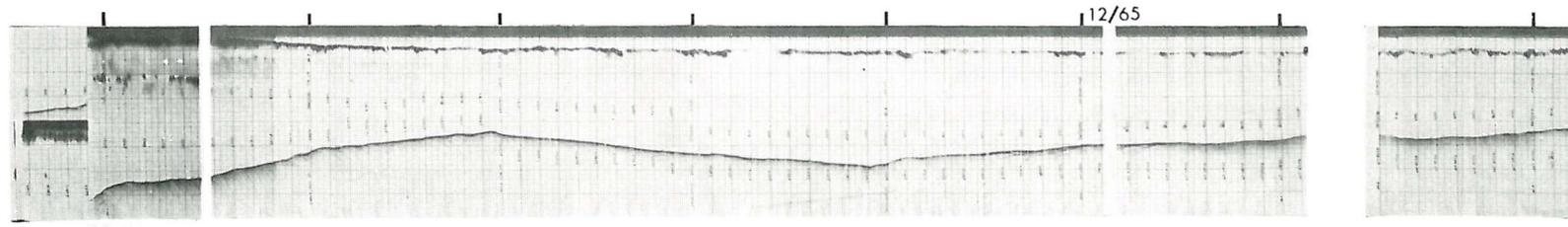


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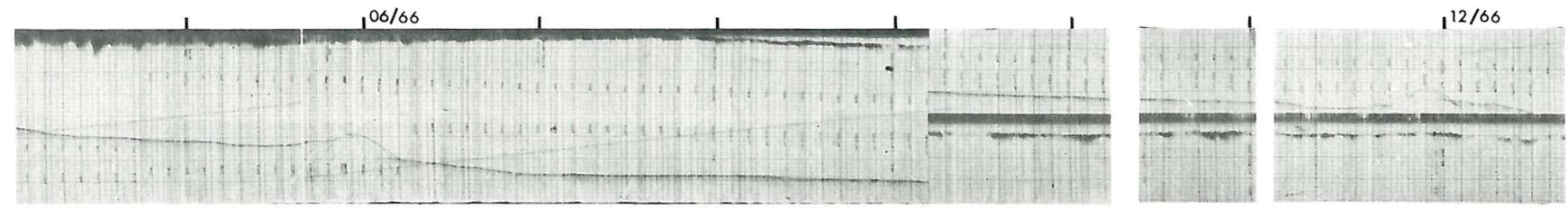
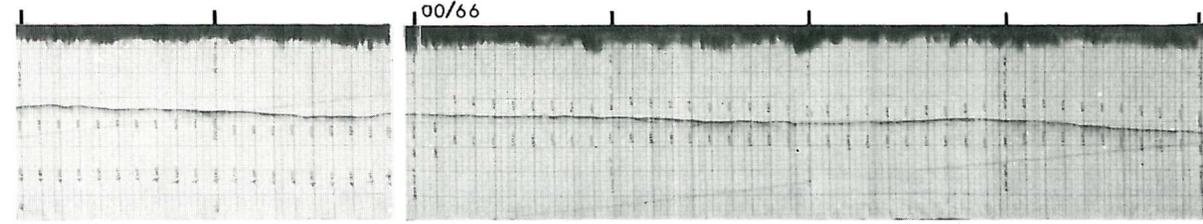
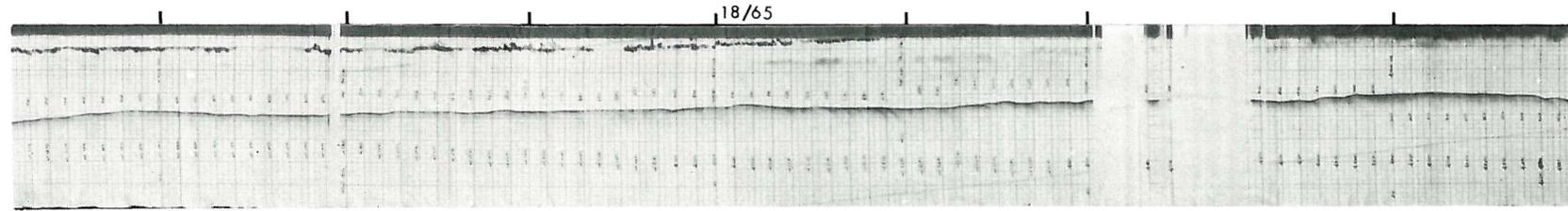
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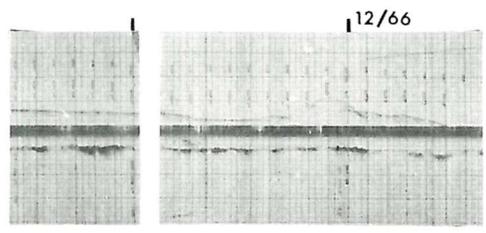
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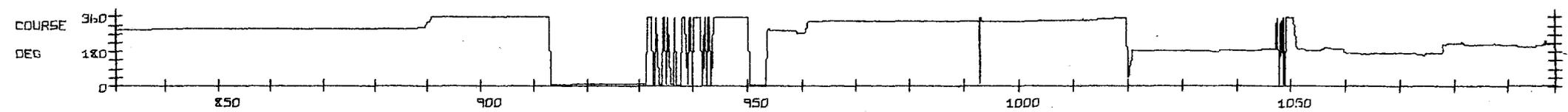
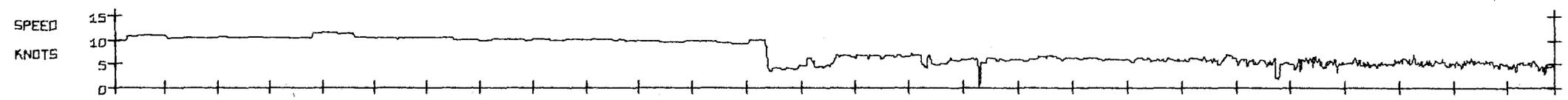
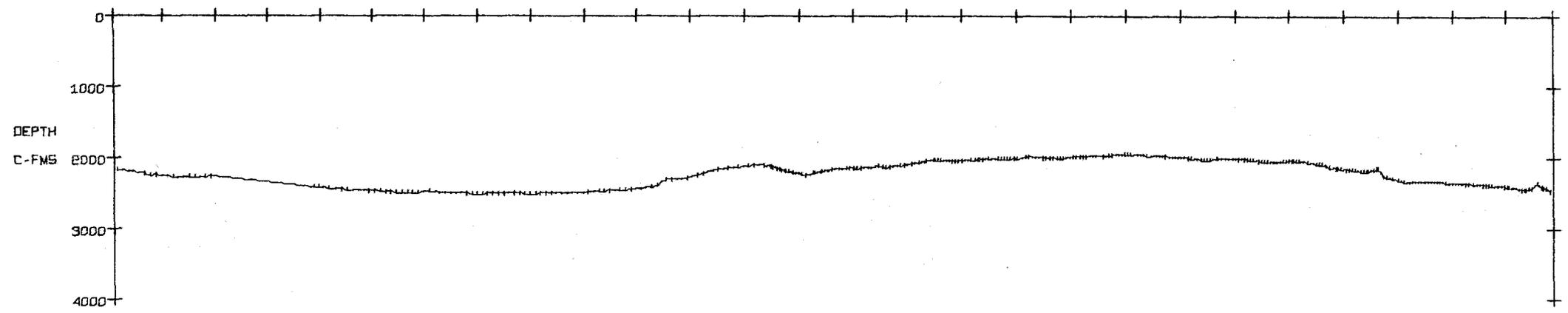
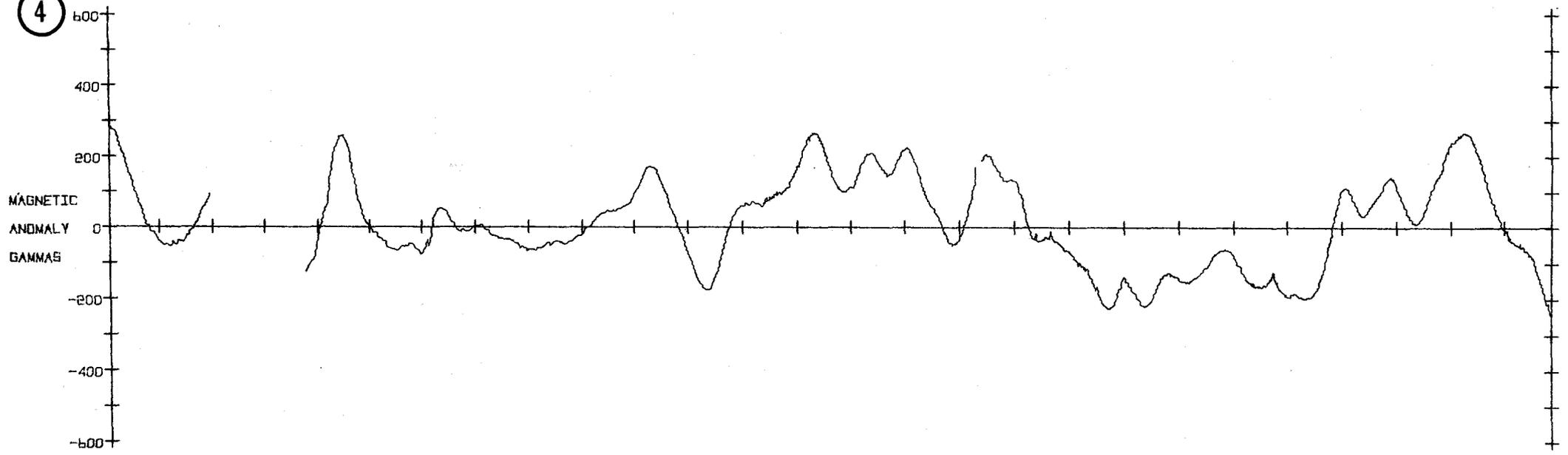
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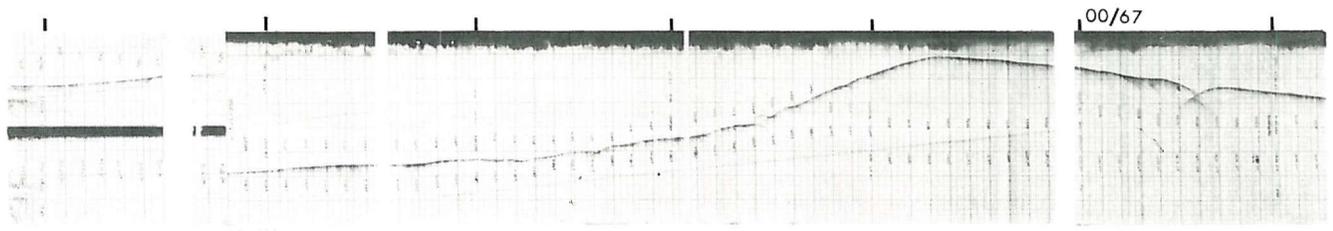
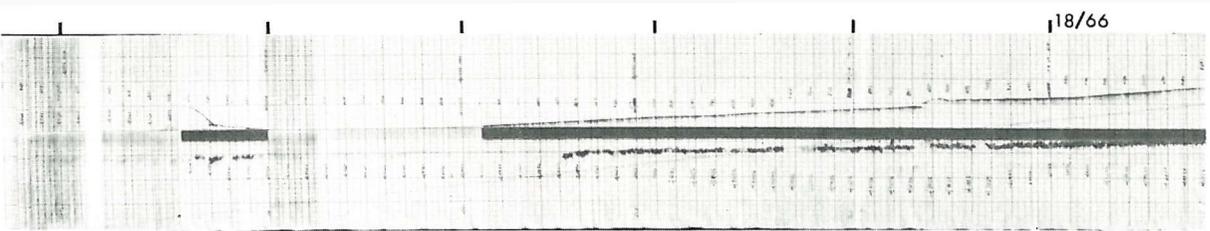


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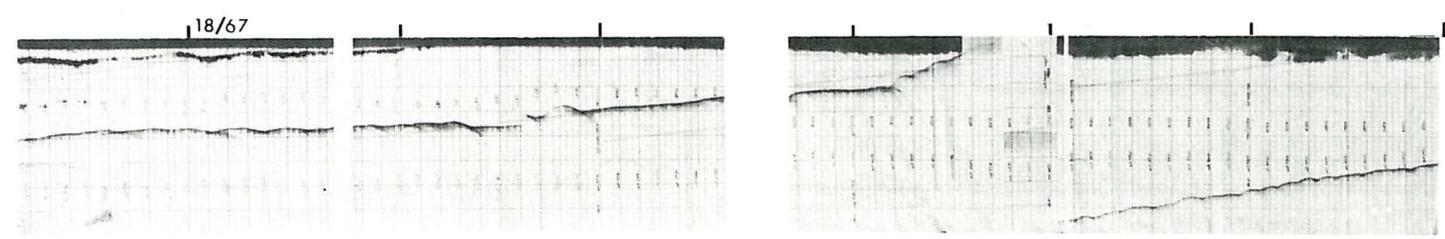
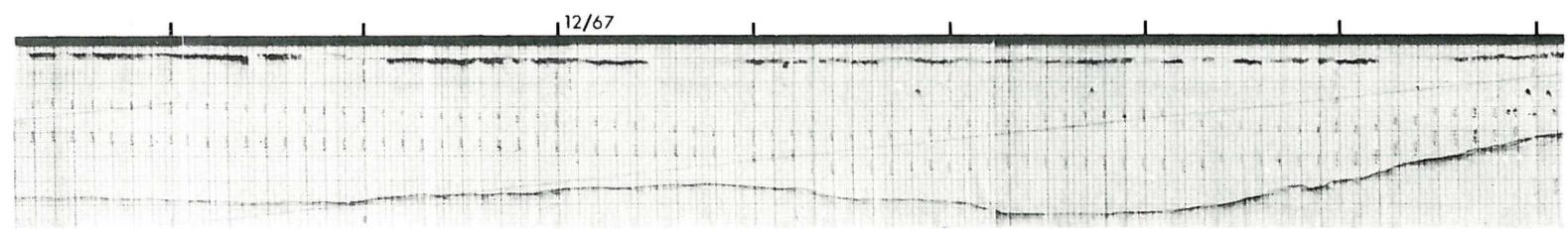
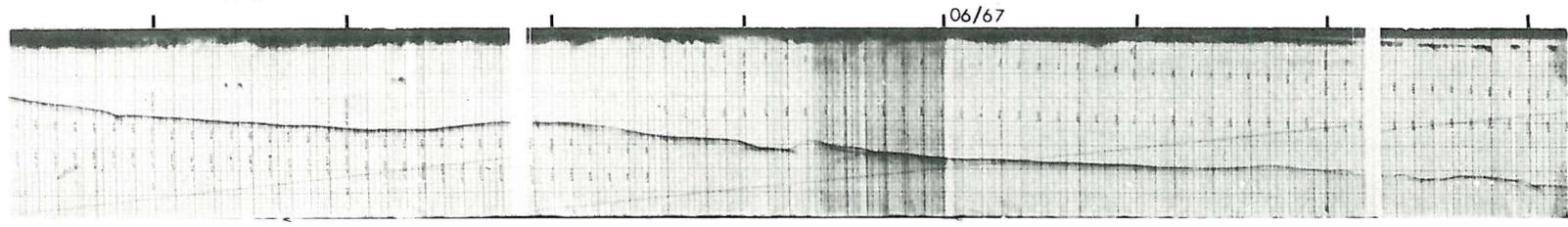


DAY NO 64
TIME HRS 0 6 12 18 0 6 12

5

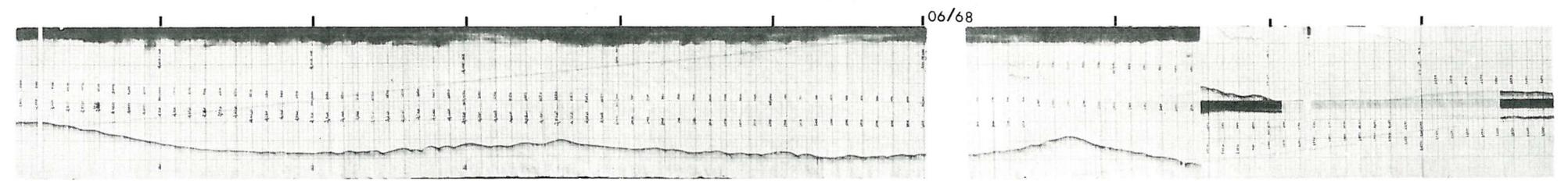


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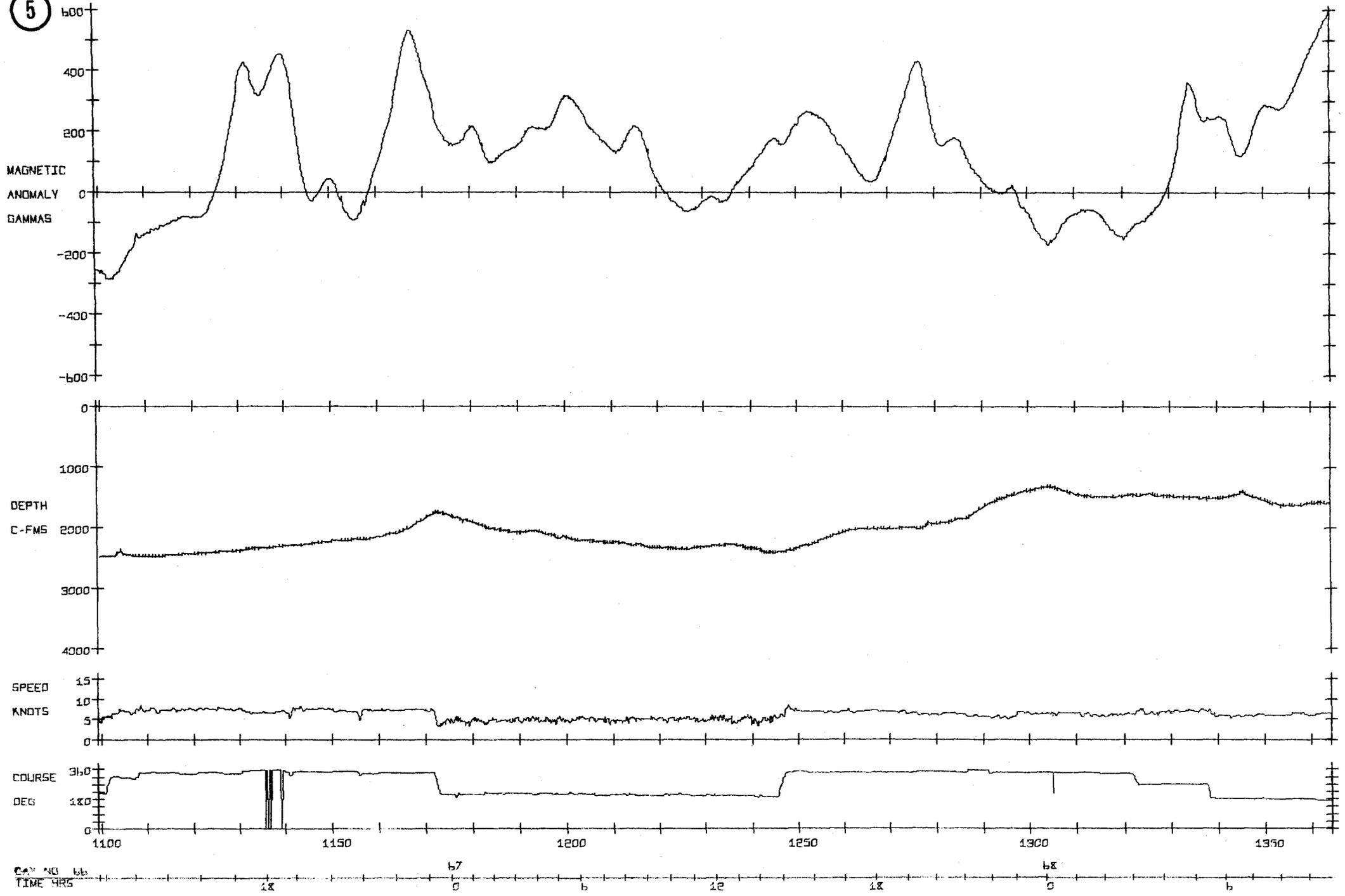
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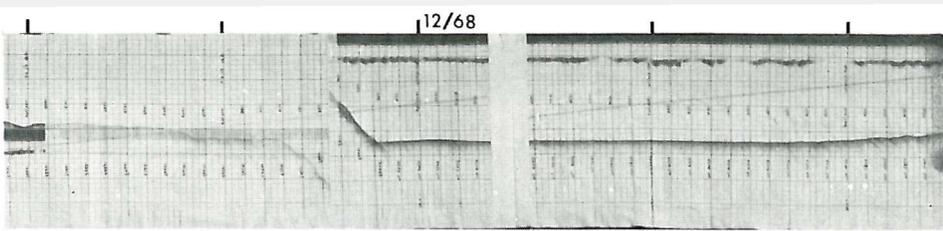
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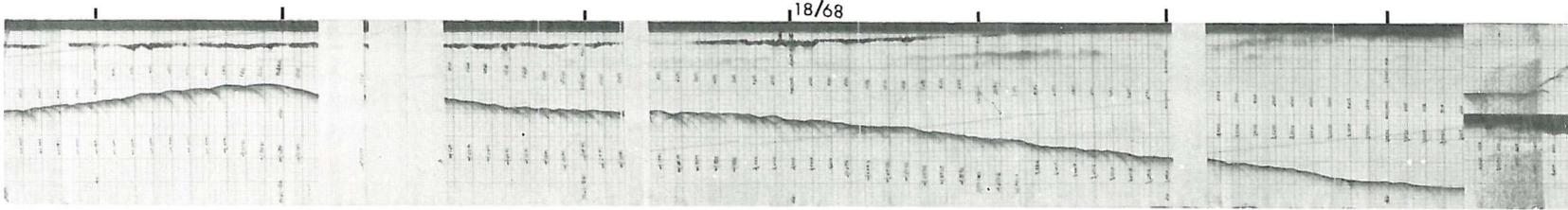


CAY NO bb
TIME HRS

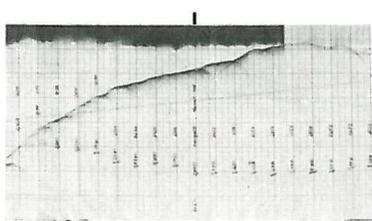
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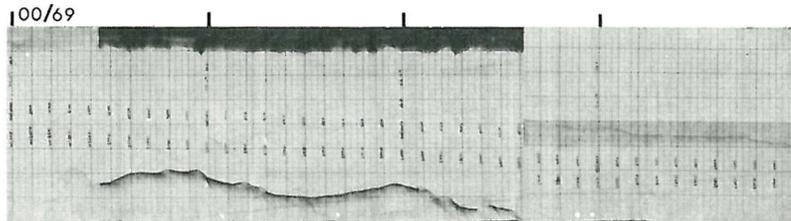
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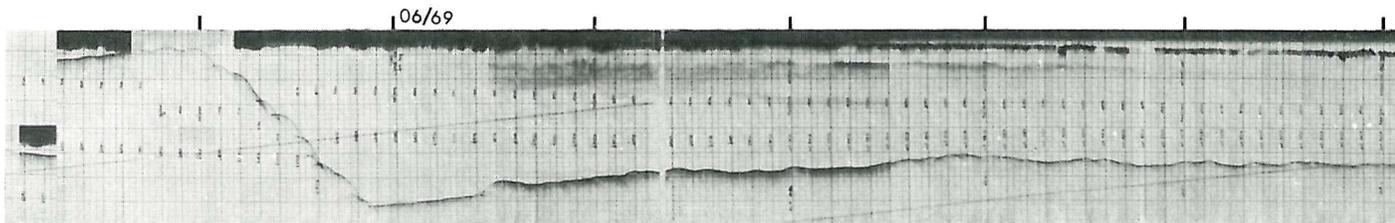


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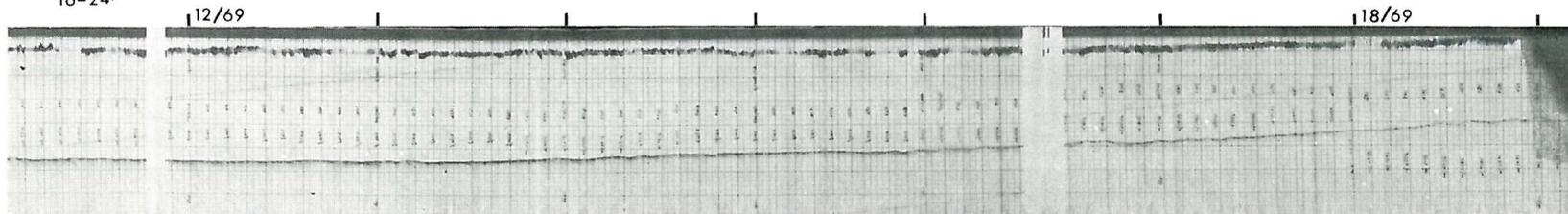


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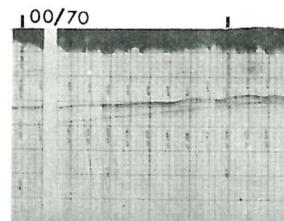
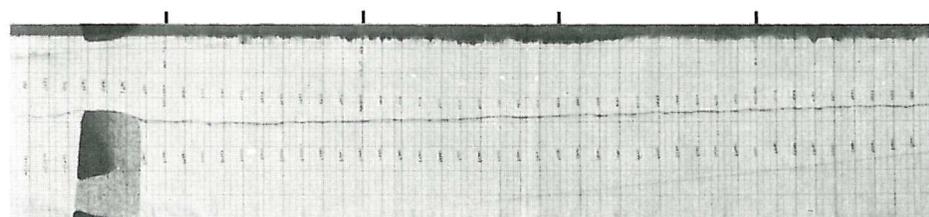


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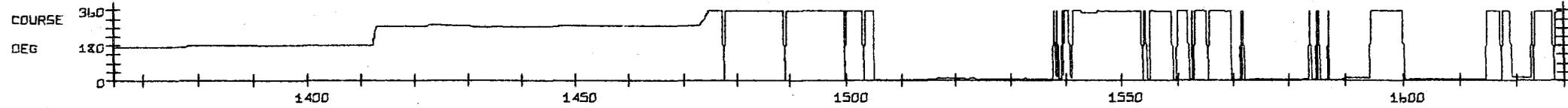
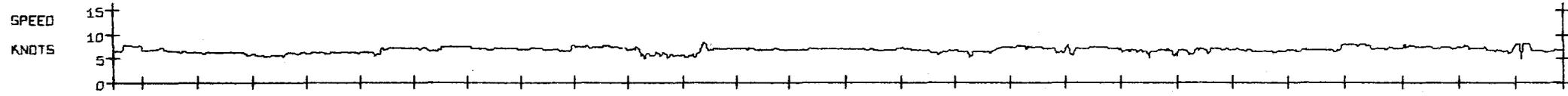
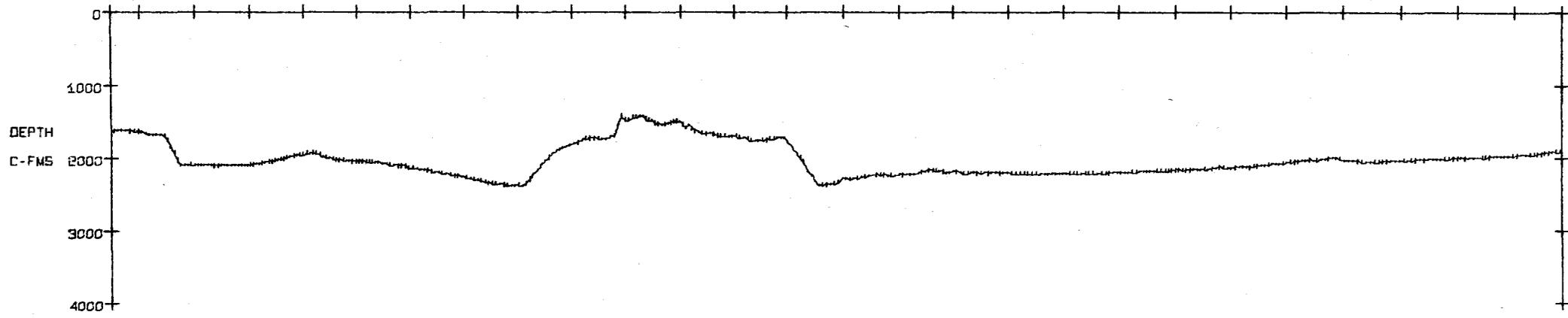
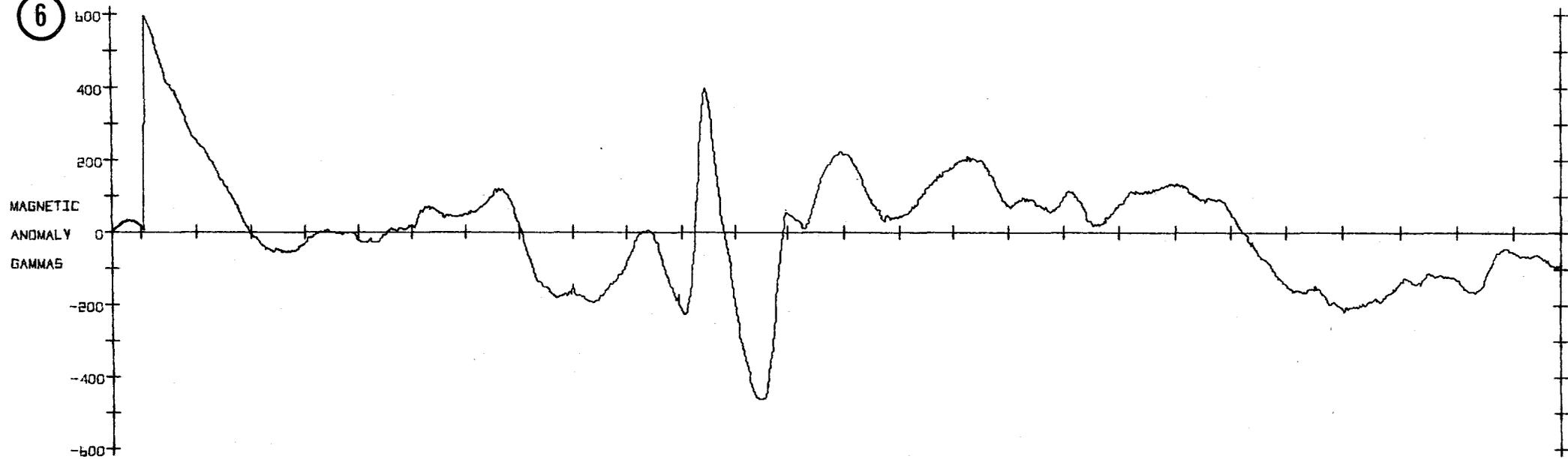
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18/69



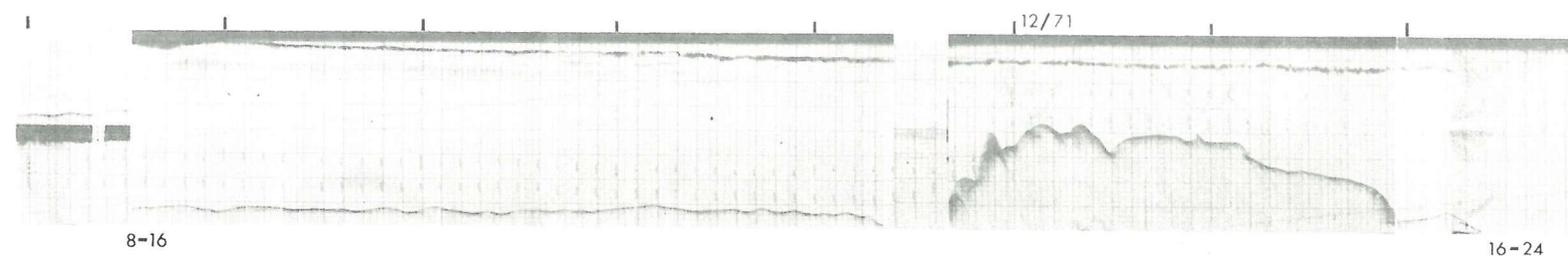
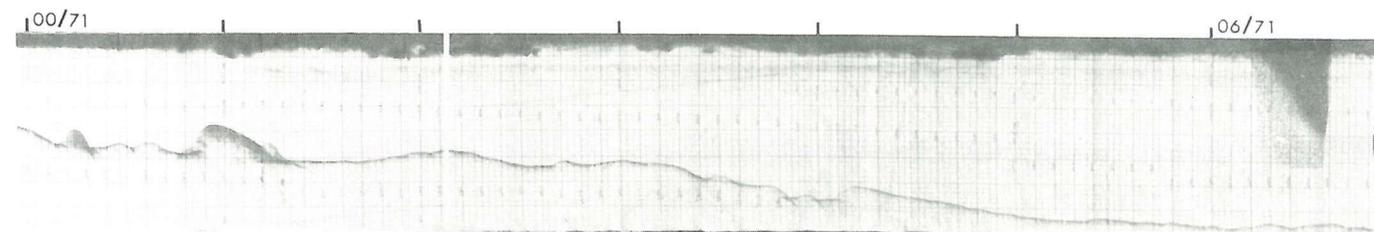
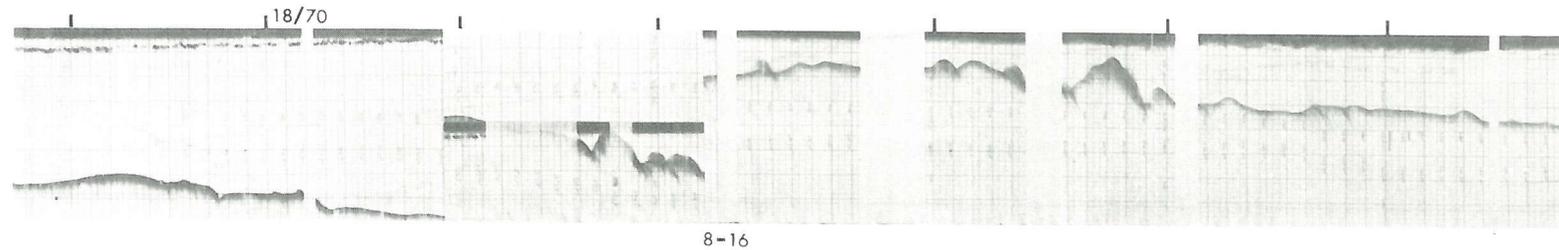
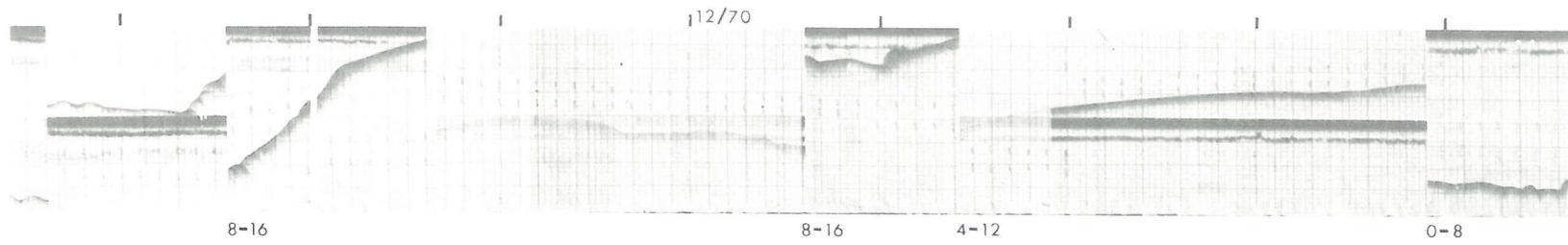
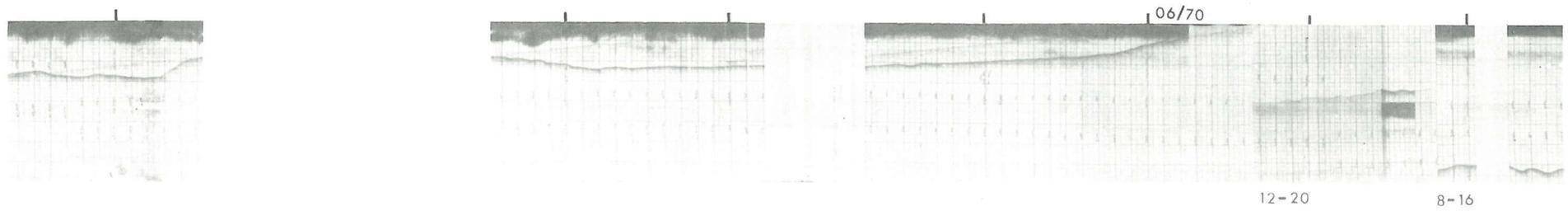
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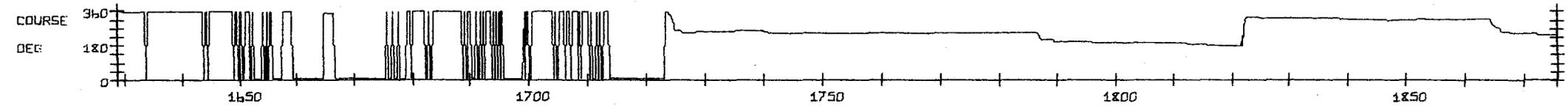
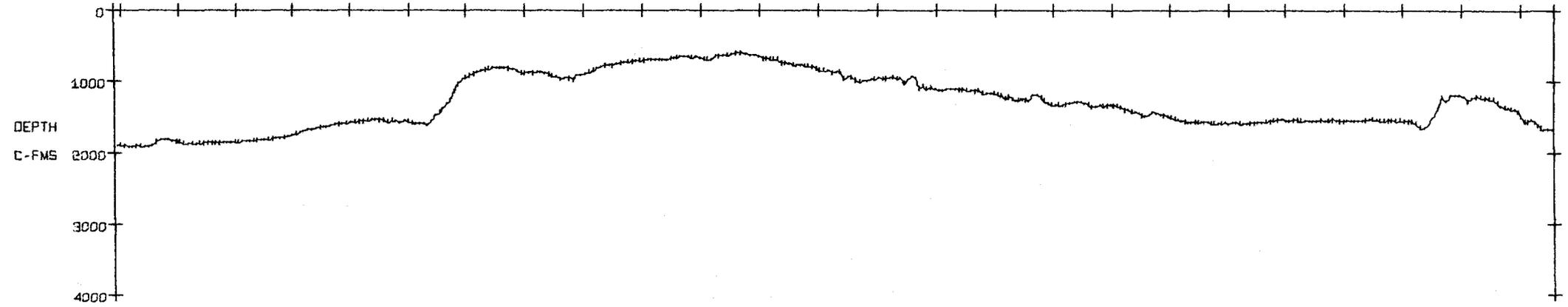
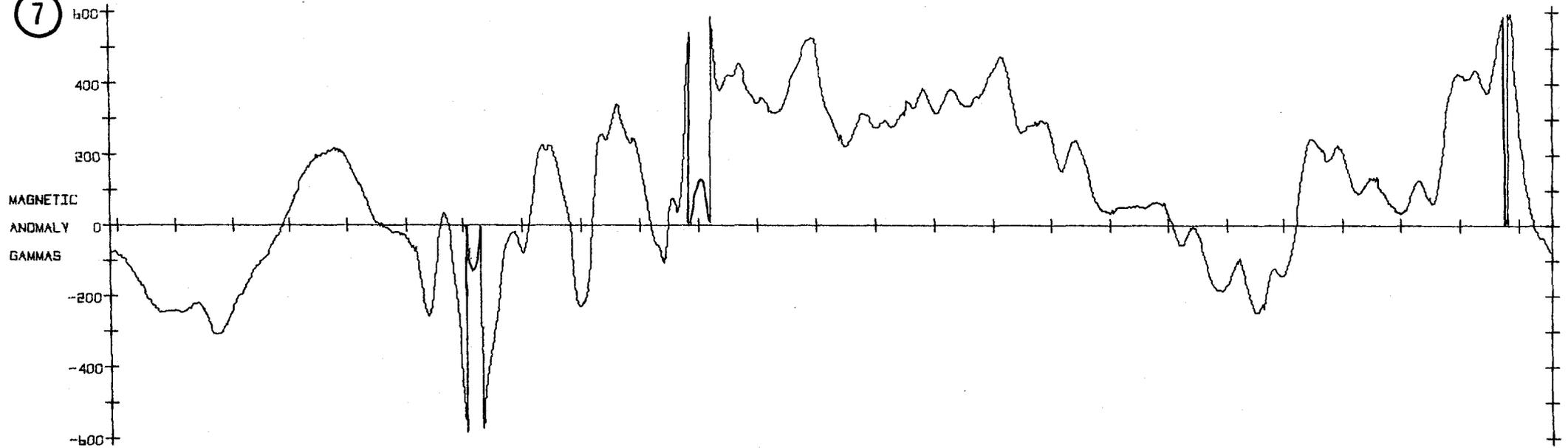


DAY NO 68
TIME HRS 12 18 0 6 12 18 0

7



7

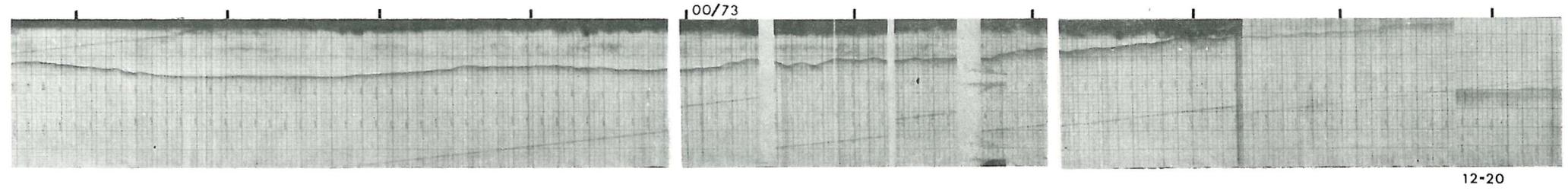
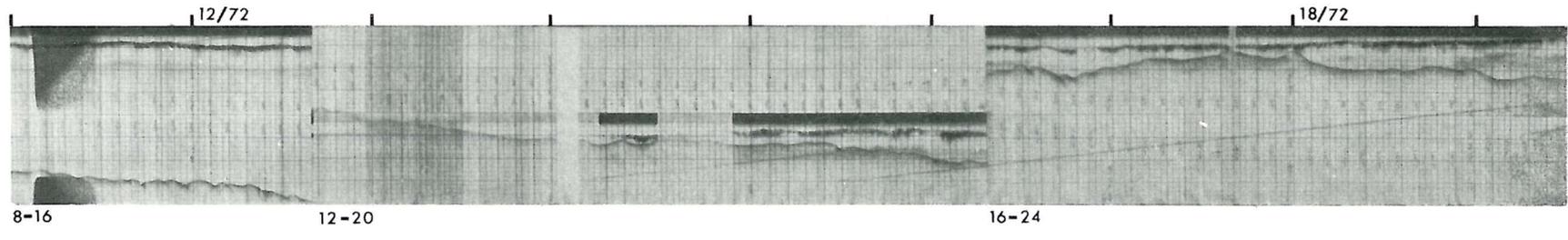
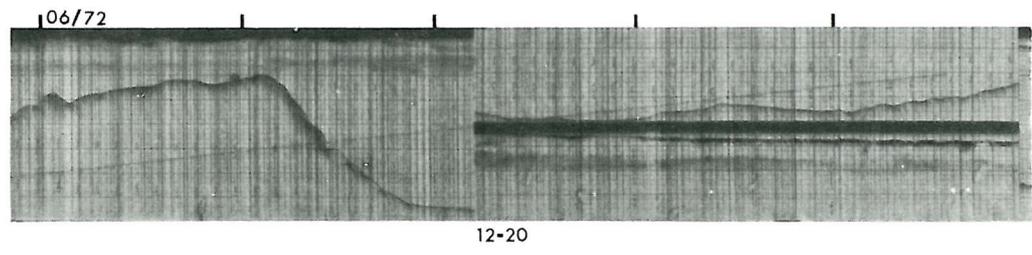
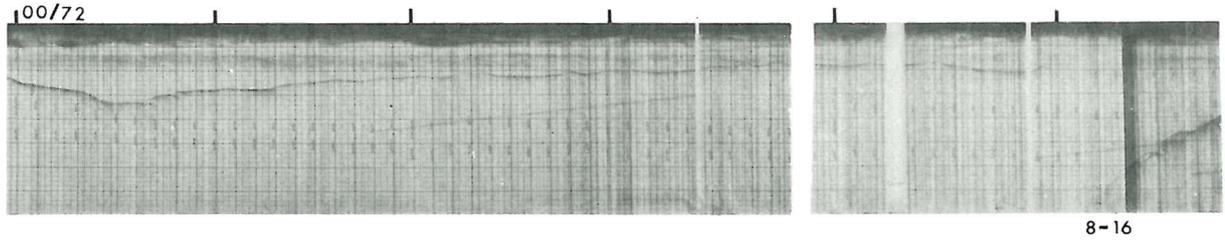
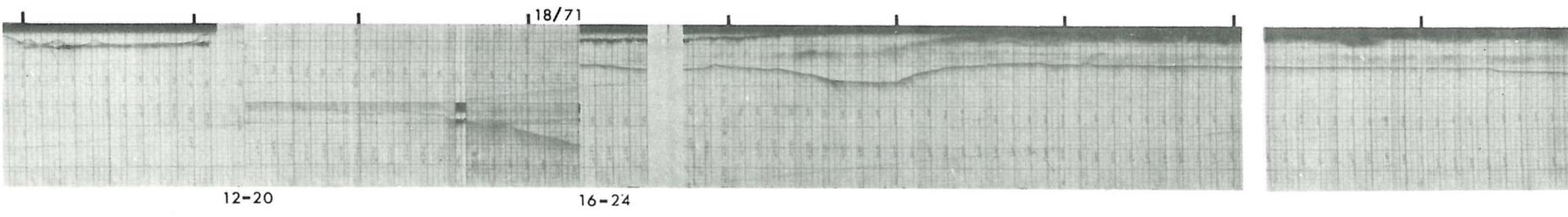


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TIME HRS

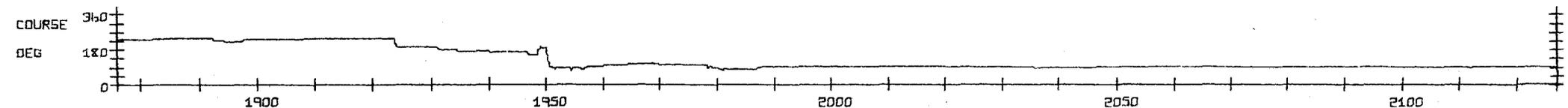
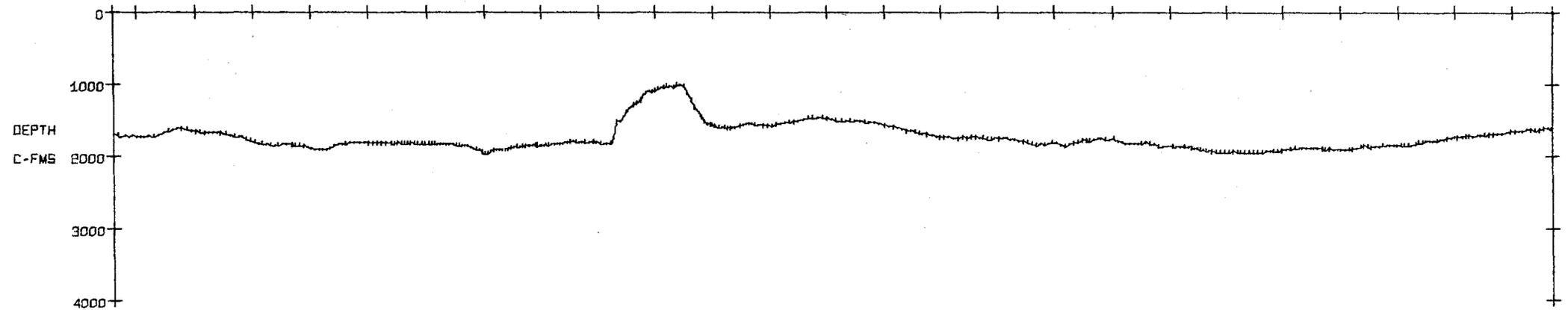
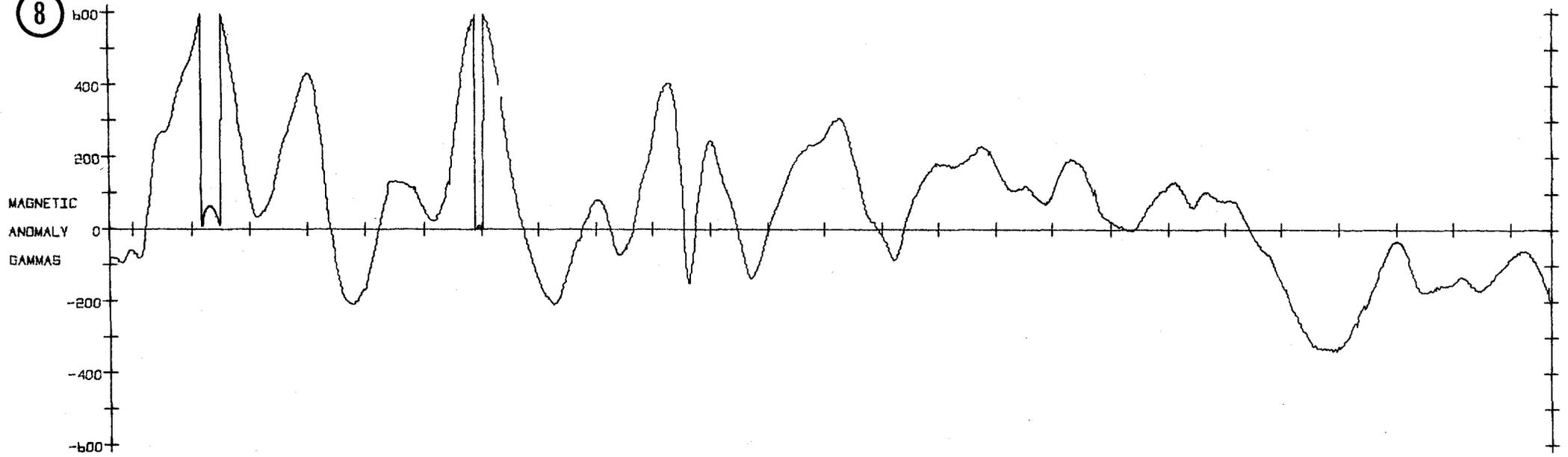
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71

8



8

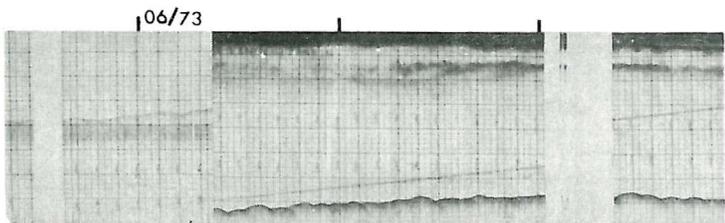


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TIME HRS

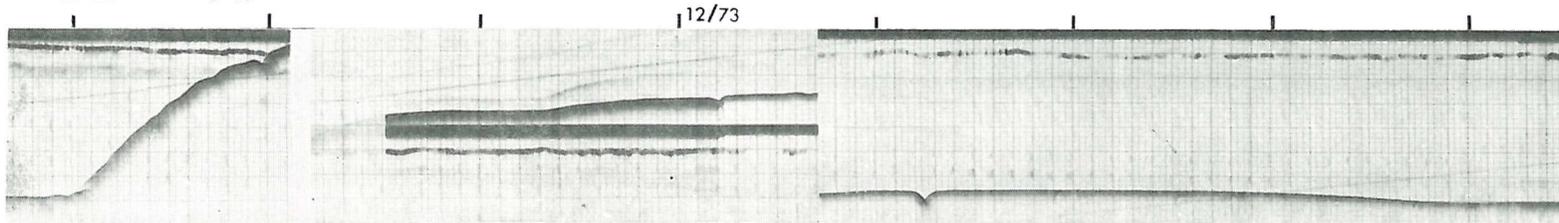
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72 73

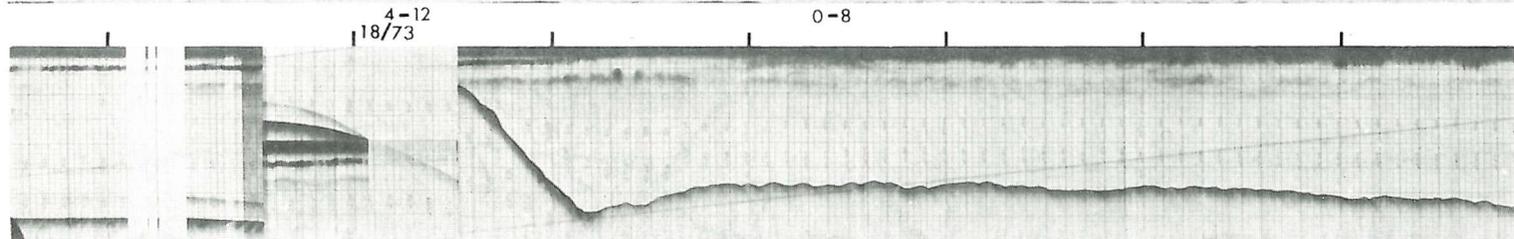
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12-20 8-16



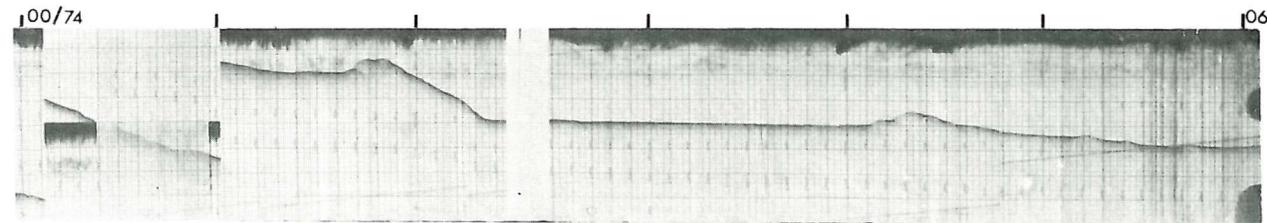
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4-12 18/73

0-8

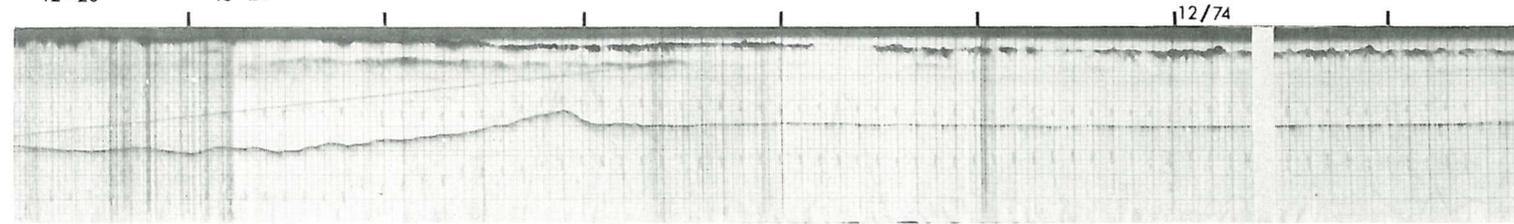
4-12 8-16



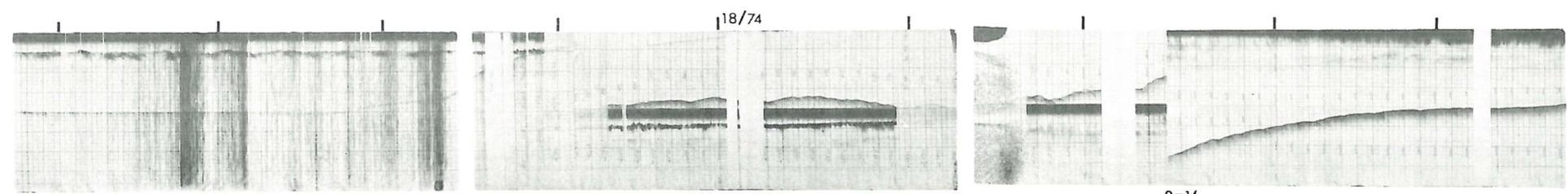
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06/74

12-20 16-24



12/74

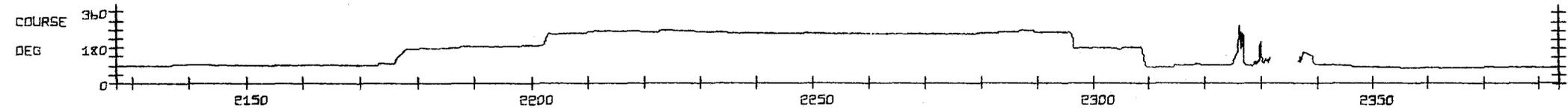
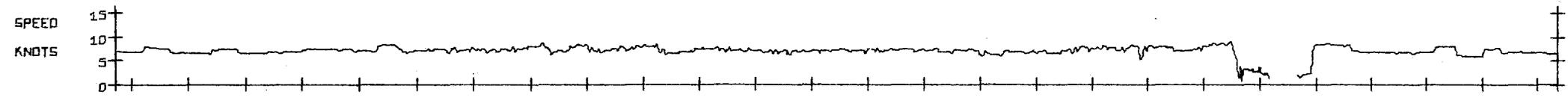
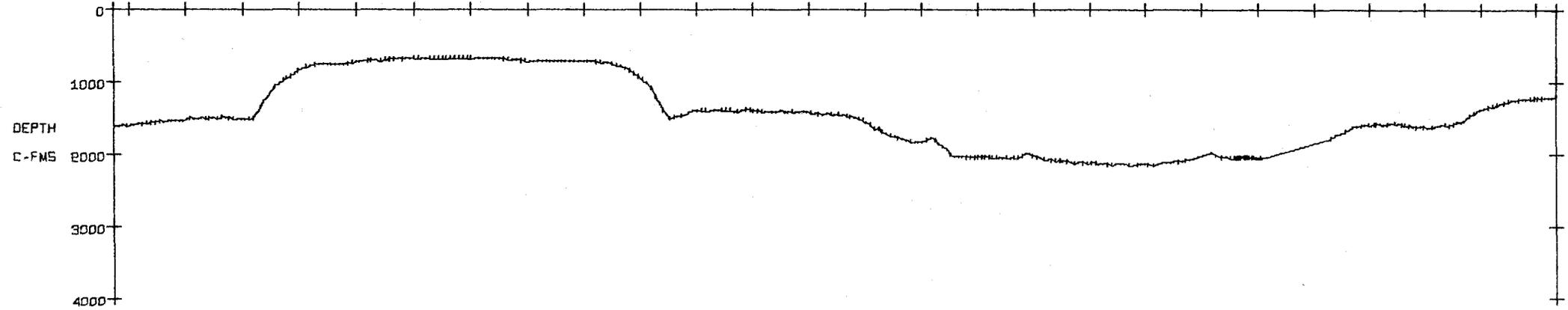
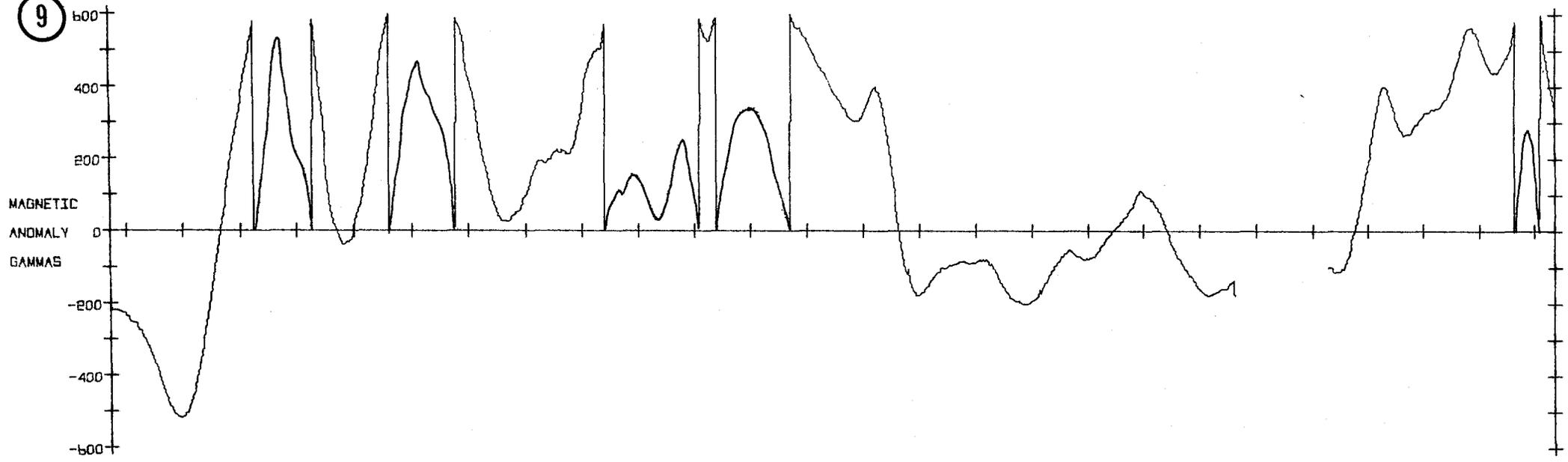


18/74

12-20

8-16

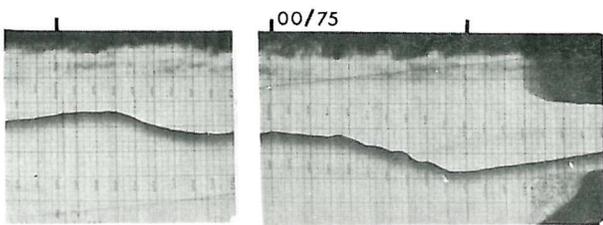
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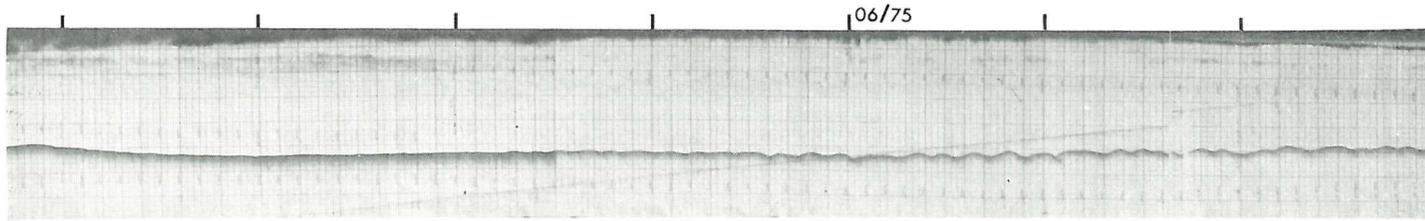
BAY NO 73 74

TIME HRS 12 18 0 12 18

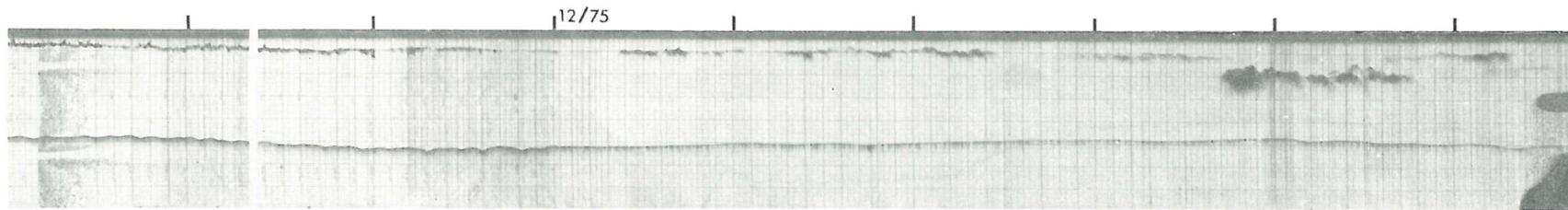
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8-16

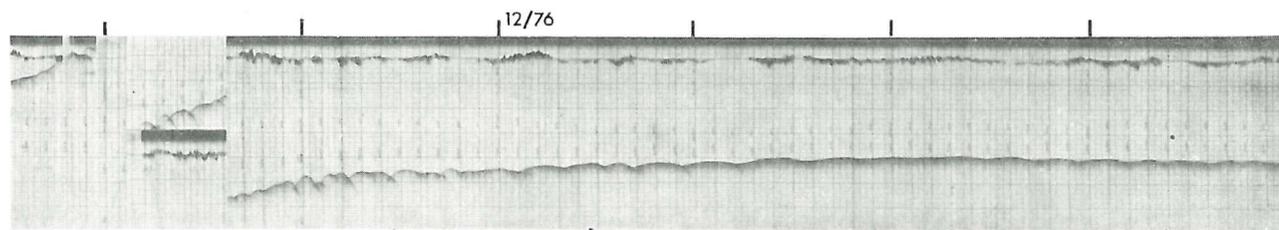


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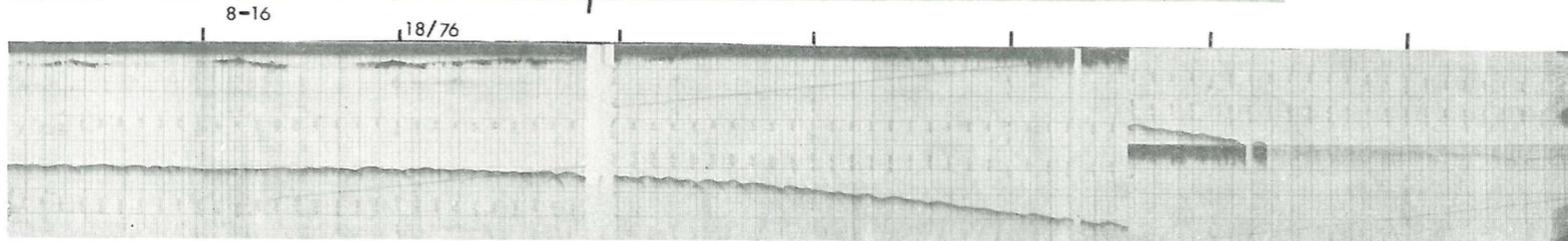


12/75

Data Gap
1800/75-
0936/76



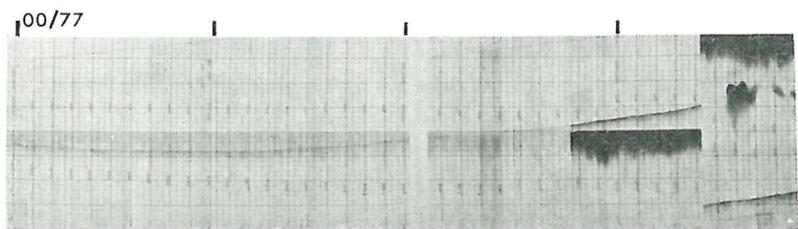
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8-16

18/76

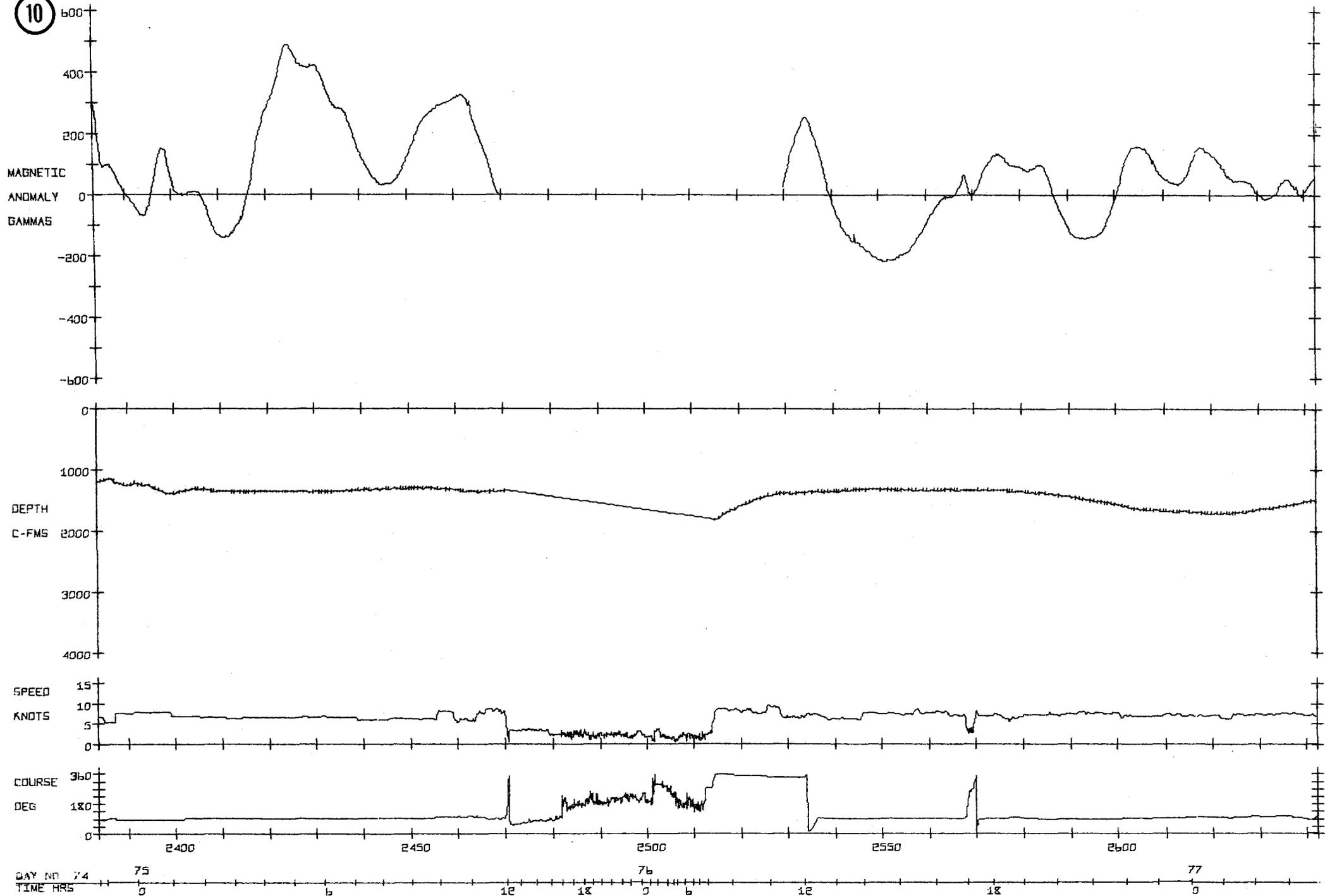
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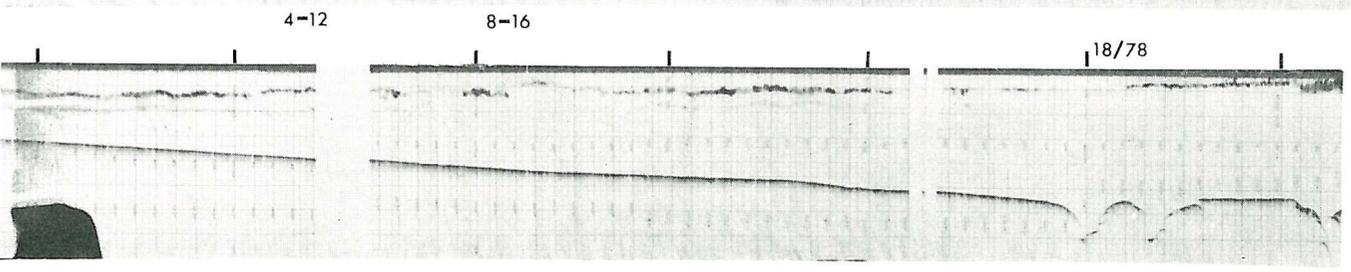
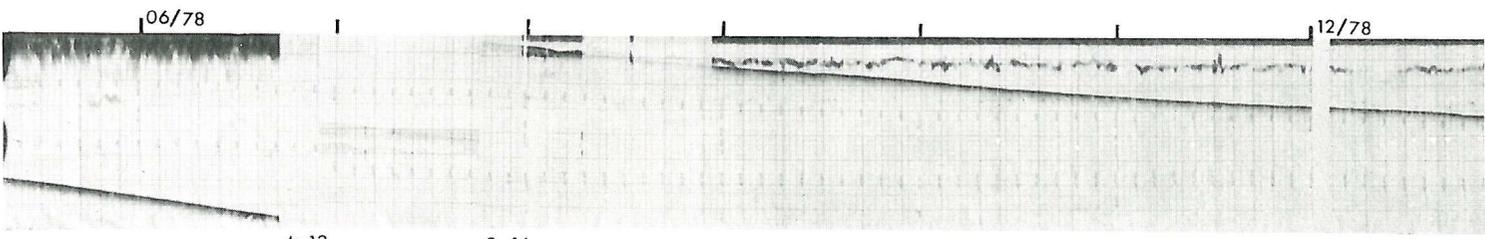
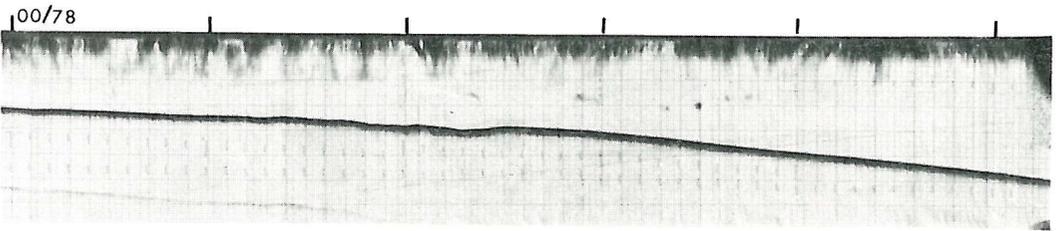
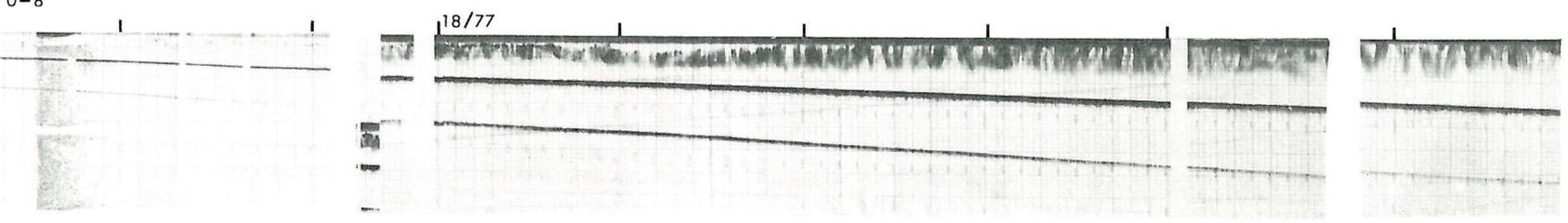
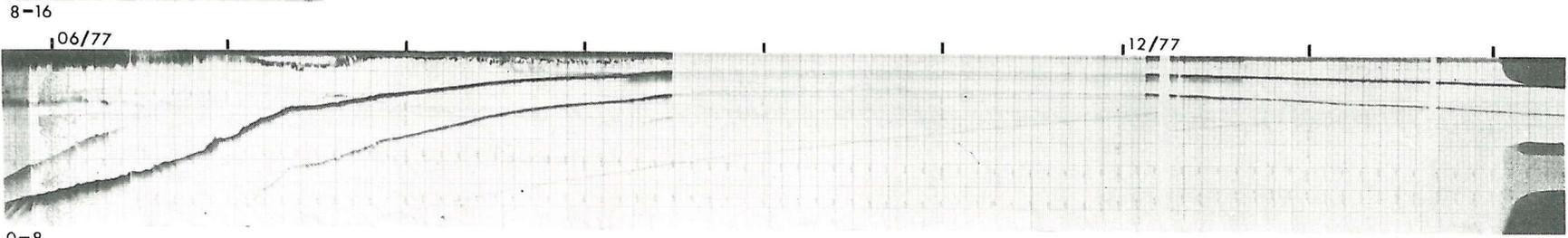
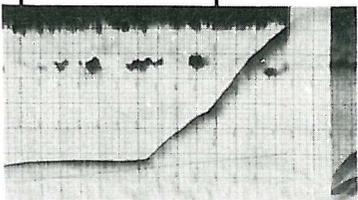
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8-16

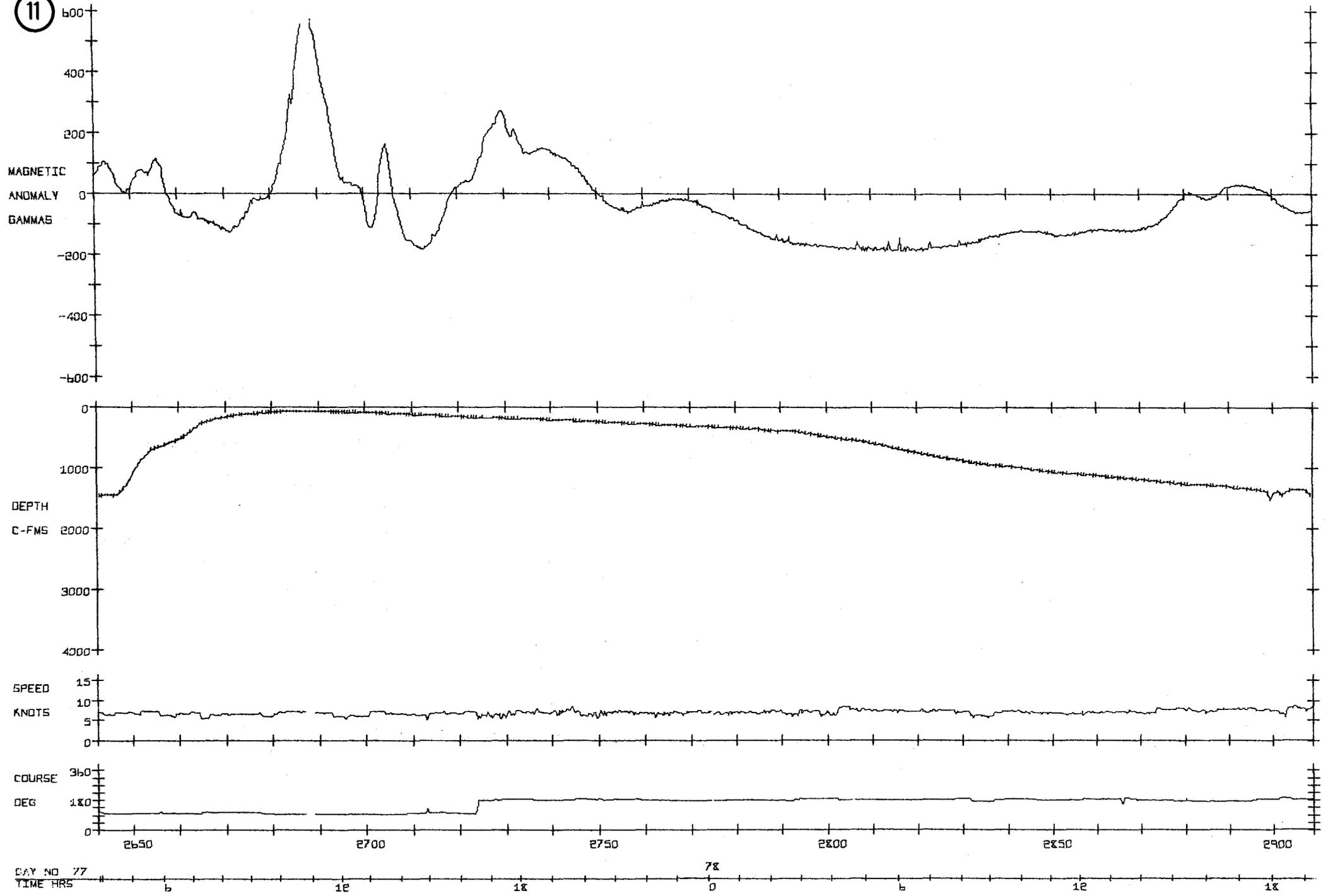
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DAY NO 74 75 76 77
TIME HRS 0 6 12 18 0 6 12 18 0



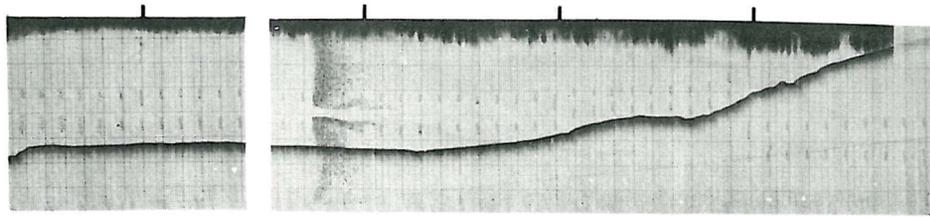
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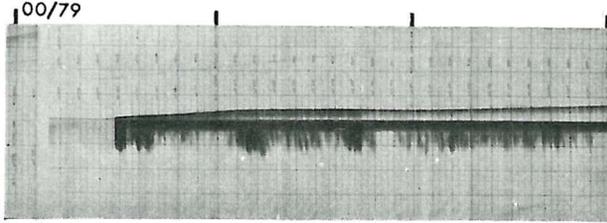
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TIME HRS

7K

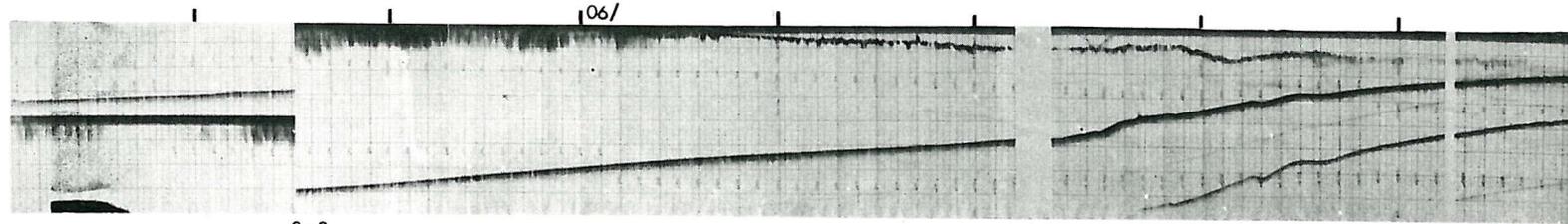
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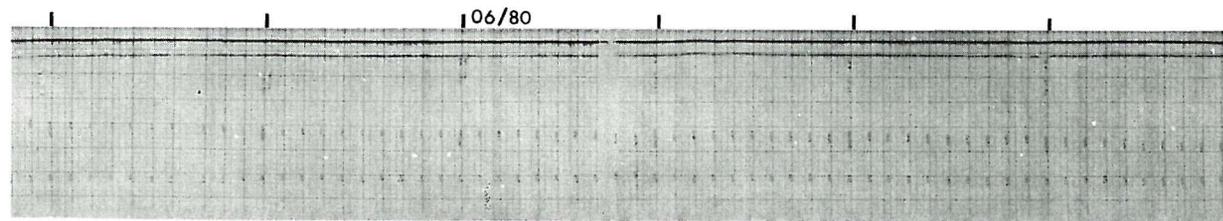
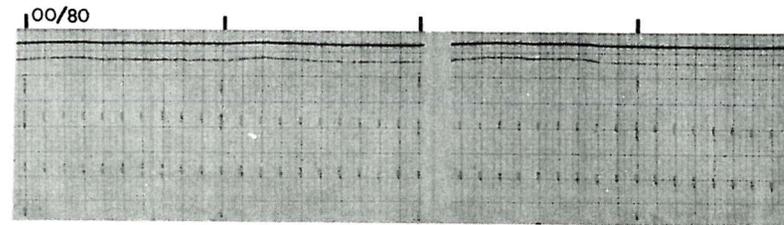
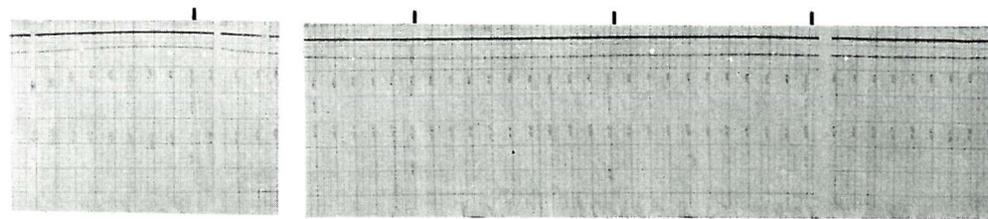
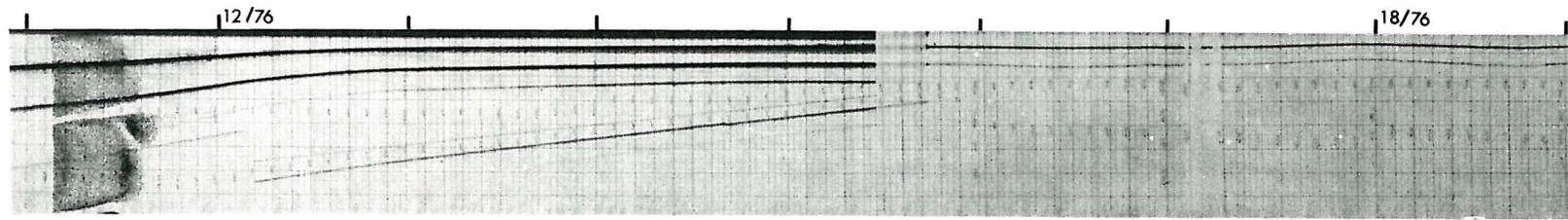
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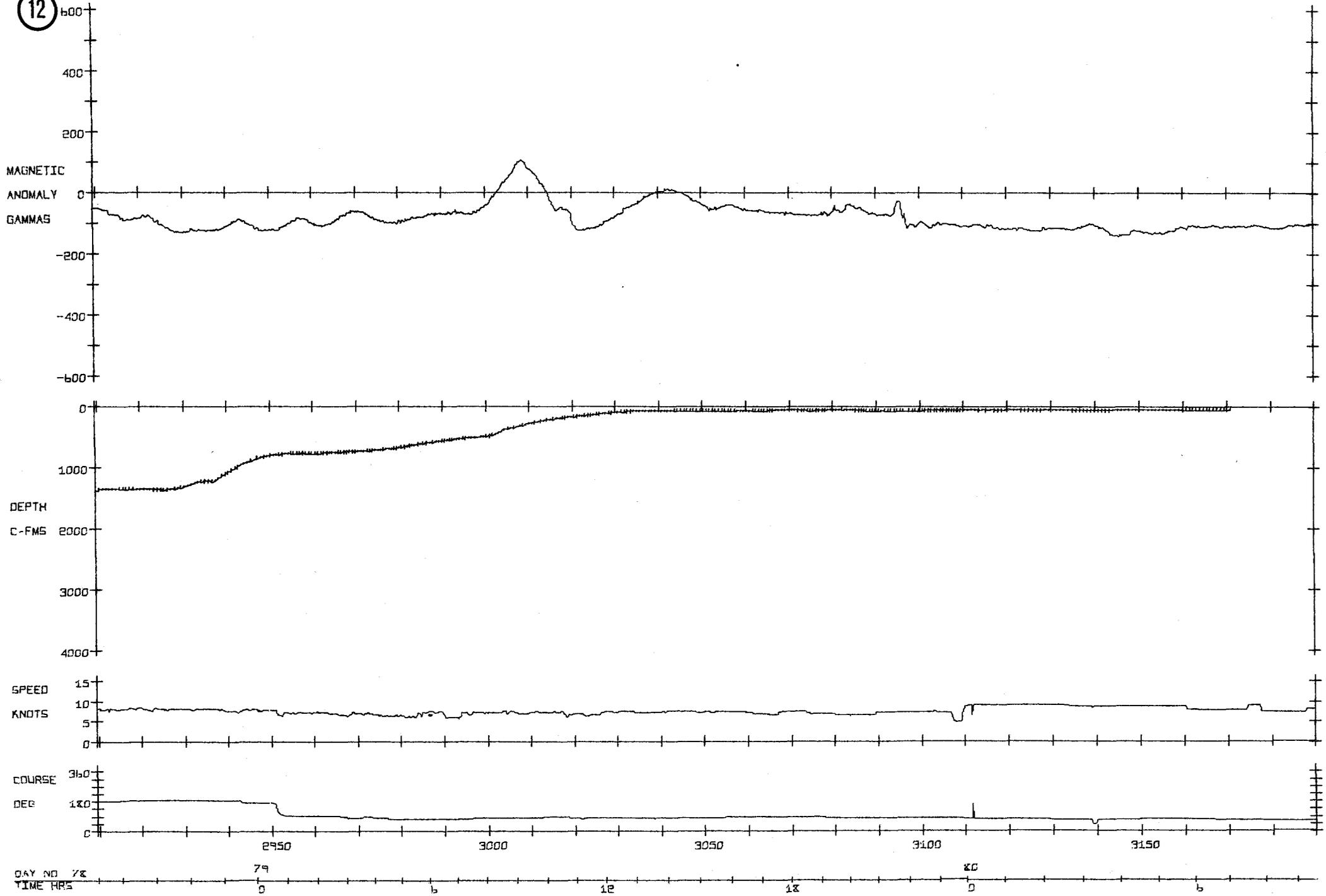
4-12



0-8



12



SECTION B

Listing of Navigation Points

1:1,000,000 Track Charts

NAVIGATION POINTS FOR DISCOVERY CRUISE 50

DAY	TIME		LATITUDE		LONGITUDE	
	H	M	DEG	MIN	DEG	MIN
59		0	50.	16.9	-10.	57.9
59		48	50.	15.8	-11.	6.0
59		112	50.	14.9	-11.	9.7
59		234	50.	13.2	-11.	22.8
59		304	50.	12.6	-11.	27.7
59		334	50.	12.2	-11.	32.4
59		418	50.	11.7	-11.	39.0
59		530	50.	11.5	-11.	50.2
59		634	50.	11.3	-11.	59.0
59		710	50.	11.1	-12.	3.5
59		804	50.	10.7	-12.	9.6
59		834	50.	10.5	-12.	12.4
59		848	50.	10.3	-12.	13.8
59		930	50.	9.2	-12.	19.2
59		940	50.	9.4	-12.	19.9
59		1108	50.	7.0	-12.	33.5
59		1204	50.	5.6	-12.	39.0
59		1326	50.	3.8	-12.	46.4
59		1342	50.	3.3	-12.	49.0
59		1400	50.	2.8	-12.	51.8
59		1458	50.	1.0	-12.	59.5
59		1526	50.	0.2	-13.	4.2
59		1632	49.	59.5	-13.	13.3
59		1730	49.	59.6	-13.	22.0
59		1808	49.	59.7	-13.	27.8
59		1906	49.	59.4	-13.	36.2
59		1936	49.	59.3	-13.	40.8
59		2006	49.	59.2	-13.	45.5
59		2216	49.	59.2	-14.	4.3
59		2256	49.	59.2	-14.	10.2
60		6	49.	58.7	-14.	19.1
60		46	49.	58.1	-14.	23.4
60		106	49.	58.0	-14.	25.8
60		206	49.	57.8	-14.	33.7
60		238	49.	57.3	-14.	37.4
60		318	49.	57.2	-14.	42.1
60		356	49.	57.2	-14.	46.9
60		520	49.	57.0	-14.	58.3
60		548	49.	57.4	-15.	2.3
60		634	49.	57.9	-15.	8.7
60		730	49.	57.8	-15.	16.9
60		800	49.	57.8	-15.	21.4
60		834	49.	57.6	-15.	27.5
60		914	49.	57.6	-15.	33.8
60		952	49.	58.1	-15.	40.1
60		1050	49.	58.5	-15.	47.8
60		1204	50.	0.0	-16.	0.3
60		1238	50.	0.3	-16.	6.0
60		1312	50.	0.5	-16.	11.4
60		1428	50.	0.7	-16.	23.0
60		1520	50.	0.6	-16.	31.5
60		1630	50.	0.6	-16.	42.7
60		1720	50.	0.6	-16.	50.7
60		1820	50.	0.3	-17.	0.7
60		1922	50.	0.4	-17.	10.7
60		2012	50.	0.3	-17.	18.8
60		2104	50.	0.6	-17.	27.5
60		2140	50.	1.0	-17.	32.8
60		2340	50.	0.9	-17.	52.9
61		34	50.	0.9	-18.	2.5

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME		LATITUDE		LONGITUDE	
	H	M	DEG	MIN	DEG	MIN
61	126		50.	0.8	-18.	11.9
61	210		50.	1.0	-18.	19.8
61	310		50.	1.2	-18.	29.7
61	348		50.	1.2	-18.	36.0
61	420		50.	1.4	-18.	40.7
61	504		50.	1.5	-18.	48.1
61	556		50.	1.0	-18.	54.9
61	740		49.	59.5	-19.	13.7
61	844		49.	59.2	-19.	23.3
61	934		49.	58.7	-19.	31.8
61	1000		49.	58.6	-19.	36.2
61	1132		49.	58.7	-19.	51.6
61	1248		49.	58.6	-20.	4.9
61	1336		49.	59.0	-20.	13.5
61	1410		49.	59.3	-20.	19.8
61	1444		49.	59.5	-20.	24.8
61	1502		49.	59.6	-20.	27.7
61	1524		49.	59.9	-20.	31.9
61	1610		50.	0.6	-20.	39.9
61	1658		50.	0.7	-20.	48.6
61	1726		50.	0.7	-20.	53.4
61	1818		50.	0.5	-21.	2.0
61	1834		50.	0.6	-21.	4.4
61	1930		50.	6.1	-21.	7.9
61	2106		50.	14.9	-21.	16.9
61	2146		50.	18.3	-21.	21.2
61	2238		50.	22.3	-21.	26.1
62	38		50.	31.1	-21.	36.7
62	134		50.	35.3	-21.	41.8
62	240		50.	39.8	-21.	47.0
62	324		50.	43.1	-21.	50.3
62	434		50.	49.4	-21.	56.3
62	514		50.	53.3	-21.	57.8
62	550		50.	56.7	-21.	59.1
62	626		51.	0.1	-21.	59.6
62	702		50.	59.5	-21.	53.1
62	726		50.	59.0	-21.	49.2
62	822		50.	58.0	-21.	42.6
62	838		50.	57.5	-21.	42.1
62	1104		50.	56.5	-21.	38.8
62	1142		50.	56.4	-21.	38.1
62	1200		50.	56.5	-21.	40.1
62	1220		50.	57.7	-21.	40.2
62	1250		50.	59.2	-21.	41.2
62	1330		51.	1.4	-21.	42.6
62	1414		51.	3.9	-21.	44.2
62	1458		51.	7.5	-21.	46.5
62	1518		51.	9.9	-21.	47.6
62	1536		51.	12.0	-21.	48.8
62	1616		51.	14.4	-21.	55.8
62	1636		51.	14.9	-21.	59.1
62	1656		51.	15.1	-22.	1.1
62	1730		51.	15.6	-22.	4.6
62	1738		51.	15.7	-22.	5.8
62	1748		51.	15.3	-22.	7.6
62	1802		51.	15.3	-22.	9.1
62	1820		51.	14.3	-22.	8.3
62	1906		51.	12.6	-22.	2.2
62	1914		51.	10.8	-22.	1.0
62	1936		51.	9.2	-21.	58.3

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME		LATITUDE		LONGITUDE	
	H	M	DEG	MIN	DEG	MIN
62	20	10	51.	6.7	-21.	53.6
62	21	28	51.	0.7	-21.	42.9
62	21	48	50.	58.9	-21.	40.1
62	22	04	50.	58.2	-21.	37.0
62	22	34	50.	57.5	-21.	30.9
62	23	36	50.	57.3	-21.	19.2
63		38	50.	57.2	-21.	8.3
63	1	20	50.	58.1	-21.	1.0
63	2	14	50.	59.5	-20.	52.4
63	2	56	51.	0.9	-20.	44.0
63	4	00	51.	2.7	-20.	34.5
63	4	34	51.	3.5	-20.	28.6
63	5	00	51.	3.5	-20.	24.2
63	6	36	51.	3.4	-20.	7.5
63	8	48	51.	2.4	-19.	44.4
63	9	12	51.	2.4	-19.	40.7
63	9	38	51.	2.3	-19.	37.1
63	10	56	51.	1.6	-19.	23.6
63	11	10	51.	1.8	-19.	21.5
63	13	20	51.	2.2	-18.	58.0
63	14	16	51.	2.8	-18.	47.1
63	15	00	51.	3.1	-18.	40.6
63	16	00	51.	3.7	-18.	29.0
63	16	40	51.	3.6	-18.	21.3
63	17	10	51.	3.4	-18.	16.1
63	18	02	51.	2.9	-18.	7.2
63	19	16	51.	2.4	-17.	54.1
63	20	18	51.	2.1	-17.	42.4
63	21	12	51.	1.9	-17.	33.1
63	23	34	51.	2.0	-17.	5.4
64		28	51.	2.0	-16.	55.3
64	1	22	51.	2.2	-16.	46.1
64	1	46	51.	2.3	-16.	41.4
64	2	08	51.	2.5	-16.	38.5
64	3	16	51.	3.2	-16.	31.5
64	3	46	51.	3.6	-16.	28.2
64	4	14	51.	3.8	-16.	24.9
64	5	16	51.	3.4	-16.	14.6
64	5	48	51.	3.7	-16.	11.1
64	6	06	51.	3.7	-16.	8.6
64	6	42	51.	3.9	-16.	3.4
64	7	16	51.	4.2	-15.	58.3
64	7	38	51.	4.1	-15.	55.6
64	9	08	51.	1.6	-15.	44.8
64	9	58	51.	0.8	-15.	39.5
64	10	22	51.	0.1	-15.	36.3
64	11	52	50.	55.1	-15.	28.5
64	12	58	50.	51.4	-15.	22.7
64	13	48	50.	48.5	-15.	18.3
64	14	16	50.	46.7	-15.	15.6
64	15	40	50.	40.6	-15.	6.7
64	16	04	50.	39.0	-15.	4.1
64	16	44	50.	36.5	-15.	0.3
64	17	56	50.	31.7	-14.	53.4
64	18	24	50.	29.5	-14.	50.5
64	19	12	50.	25.4	-14.	45.9
64	19	32	50.	26.7	-14.	50.7
64	20	32	50.	30.9	-15.	5.2
64	21	22	50.	34.4	-15.	17.4
64	21	50	50.	36.6	-15.	24.5

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME	LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
64	2302	50.	42.8	-15.	41.5
65	36	50.	50.4	-16.	4.0
65	52	50.	51.8	-16.	7.9
65	128	50.	55.0	-16.	16.9
65	232	51.	0.5	-16.	32.1
65	248	51.	3.2	-16.	32.7
65	320	51.	8.6	-16.	33.2
65	452	51.	23.9	-16.	34.3
65	532	51.	30.5	-16.	33.5
65	650	51.	43.2	-16.	31.5
65	824	51.	58.2	-16.	31.7
65	904	52.	4.2	-16.	32.2
65	952	52.	5.1	-16.	37.0
65	1042	52.	5.7	-16.	42.3
65	1054	52.	6.0	-16.	43.7
65	1114	52.	7.6	-16.	44.9
65	1158	52.	10.7	-16.	47.0
65	1304	52.	17.3	-16.	52.0
65	1430	52.	25.6	-16.	58.9
65	1546	52.	31.6	-17.	3.7
65	1620	52.	34.5	-17.	6.0
65	1638	52.	34.8	-17.	6.2
65	1714	52.	37.9	-17.	8.6
65	1846	52.	46.3	-17.	14.6
65	1924	52.	50.0	-17.	16.6
65	2026	52.	56.0	-17.	19.4
65	2108	53.	0.0	-17.	20.3
65	2118	52.	59.8	-17.	19.3
65	2200	52.	55.7	-17.	19.4
66	104	52.	38.2	-17.	21.0
66	148	52.	34.4	-17.	22.1
66	200	52.	33.6	-17.	22.5
66	226	52.	34.6	-17.	22.9
66	252	52.	36.7	-17.	23.4
66	304	52.	36.2	-17.	24.1
66	326	52.	34.2	-17.	24.5
66	358	52.	31.4	-17.	25.3
66	440	52.	28.0	-17.	26.7
66	600	52.	21.6	-17.	24.5
66	652	52.	17.2	-17.	23.2
66	728	52.	14.0	-17.	22.2
66	758	52.	11.6	-17.	21.3
66	816	52.	10.0	-17.	21.1
66	842	52.	8.4	-17.	23.3
66	930	52.	5.2	-17.	27.3
66	1016	52.	1.9	-17.	30.8
66	1058	51.	59.3	-17.	33.6
66	1120	51.	57.8	-17.	34.9
66	1208	51.	54.5	-17.	37.9
66	1232	51.	53.2	-17.	39.7
66	1308	51.	51.1	-17.	42.8
66	1322	51.	51.8	-17.	44.4
66	1340	51.	53.3	-17.	46.7
66	1414	51.	55.7	-17.	51.3
66	1542	52.	5.4	-17.	57.8
66	1604	52.	7.8	-17.	59.7
66	1646	52.	12.7	-18.	2.6
66	1718	52.	16.2	-18.	5.3
66	1800	52.	20.8	-18.	6.4
66	1840	52.	25.2	-18.	6.7

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME	LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
66	1904	52.27.7		-18.8.3	
66	1950	52.33.1		-18.11.1	
66	2022	52.36.8		-18.12.8	
66	2056	52.40.4		-18.14.3	
66	2118	52.42.6		-18.16.2	
66	2158	52.47.0		-18.19.3	
66	2316	52.55.3		-18.25.4	
66	2330	52.55.0		-18.26.5	
67	0	52.53.1		-18.28.0	
67	130	52.47.0		-18.33.1	
67	216	52.44.1		-18.35.9	
67	310	52.40.7		-18.39.6	
67	440	52.34.6		-18.45.7	
67	526	52.31.5		-18.48.5	
67	558	52.29.4		-18.50.6	
67	646	52.25.9		-18.53.7	
67	730	52.22.8		-18.55.9	
67	820	52.19.3		-18.58.5	
67	920	52.14.7		-19.1.6	
67	1036	52.9.0		-19.5.9	
67	1124	52.5.3		-19.8.3	
67	1212	52.1.7		-19.10.6	
67	1246	51.59.1		-19.12.2	
67	1320	51.56.6		-19.13.5	
67	1346	51.54.6		-19.14.5	
67	1440	51.50.6		-19.15.9	
67	1454	51.49.4		-19.16.5	
67	1506	51.49.7		-19.18.1	
67	1530	51.52.4		-19.19.5	
67	1606	51.56.3		-19.21.6	
67	1908	52.15.4		-19.33.3	
67	1944	52.19.0		-19.35.0	
67	2052	52.25.8		-19.38.1	
67	2114	52.27.8		-19.39.0	
67	2206	52.32.6		-19.40.5	
67	2320	52.39.2		-19.44.7	
68	14	52.44.5		-19.47.8	
68	24	52.44.8		-19.48.5	
68	202	52.54.2		-19.54.8	
68	246	52.58.1		-19.58.1	
68	306	52.59.8		-19.59.9	
68	328	52.59.9		-20.4.0	
68	428	52.59.8		-20.14.9	
68	526	52.59.4		-20.25.9	
68	554	52.56.6		-20.26.2	
68	804	52.44.0		-20.25.7	
68	842	52.40.2		-20.25.6	
68	914	52.37.0		-20.25.5	
68	1006	52.31.6		-20.24.0	
68	1034	52.28.2		-20.23.3	
68	1120	52.23.0		-20.22.5	
68	1214	52.17.4		-20.22.2	
68	1418	52.5.1		-20.22.5	
68	1514	51.59.8		-20.22.5	
68	1628	51.52.4		-20.23.0	
68	1744	51.44.8		-20.23.7	
68	1806	51.45.0		-20.27.5	
68	1926	51.46.3		-20.42.3	
68	1958	51.46.8		-20.48.5	
68	2030	51.47.1		-20.54.6	

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME	LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
68	2144	51.47	4	-21.8	4
68	2256	51.48	4	-21.21	4
68	2354	51.49	2	-21.32	9
69	42	51.49	7	-21.42	1
69	116	51.50	1	-21.47	3
69	222	51.50	8	-21.57	3
69	246	51.51	4	-22.1	0
69	256	51.52	4	-22.1	9
69	538	52.11	1	-22.2	8
69	744	52.25	7	-22.3	1
69	850	52.33	2	-22.2	5
69	1040	52.44	7	-22.0	0
69	1228	52.57	5	-21.57	9
69	1252	53.0	2	-21.57	9
69	1326	53.4	1	-21.59	7
69	1416	53.9	8	-22.0	9
69	1512	53.15	9	-22.1	9
69	1600	53.20	9	-22.2	2
69	1718	53.29	8	-22.3	0
69	1854	53.40	3	-22.1	8
69	2000	53.47	9	-22.1	0
69	2034	53.52	2	-21.59	8
69	2126	53.58	4	-22.0	2
69	2230	54.6	1	-21.59	2
69	2340	54.14	3	-21.58	7
69	2358	54.16	3	-21.58	8
70	0	54.16	6	-21.58	6
70	26	54.19	8	-21.57	6
70	218	54.32	3	-21.58	9
70	348	54.42	8	-22.0	1
70	456	54.50	2	-22.0	3
70	604	54.57	8	-22.0	3
70	644	55.2	3	-22.0	1
70	702	55.4	2	-22.0	5
70	822	55.13	6	-21.59	7
70	932	55.21	6	-21.59	9
70	1032	55.28	2	-22.0	4
70	1234	55.42	0	-22.0	7
70	1358	55.51	5	-22.0	8
70	1520	56.0	5	-21.59	4
70	1530	56.1	4	-22.0	4
70	1548	56.1	0	-22.3	1
70	1622	55.59	6	-22.9	3
70	1714	55.58	0	-22.19	6
70	1752	55.56	7	-22.27	5
70	1842	55.54	3	-22.36	0
70	2204	55.44	5	-23.10	7
70	2322	55.40	7	-23.24	8
71	10	55.38	5	-23.33	0
71	100	55.36	3	-23.41	0
71	130	55.33	5	-23.43	6
71	202	55.30	3	-23.45	5
71	302	55.24	3	-23.48	4
71	412	55.17	4	-23.51	2
71	448	55.13	7	-23.52	4
71	540	55.8	7	-23.53	4
71	646	55.2	3	-23.53	4
71	726	55.5	7	-23.58	1
71	810	55.9	5	-24.3	6
71	924	55.15	9	-24.12	5

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY NO	TIME H M	LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
71	1048	55.21	.9	-24.24	.4
71	1128	55.25	.2	-24.30	.4
71	1248	55.32	.2	-24.42	.4
71	1302	55.33	.4	-24.44	.7
71	1316	55.33	.2	-24.47	.3
71	1358	55.31	.4	-24.53	.8
71	1434	55.29	.6	-24.58	.8
71	1532	55.25	.7	-25. 7	.7
71	1556	55.23	.9	-25.11	.8
71	1618	55.22	.3	-25.16	.4
71	1710	55.19	.0	-25.26	.3
71	1820	55.13	.3	-25.37	.0
71	1910	55. 9	.6	-25.45	.2
71	1932	55. 8	.1	-25.48	.8
71	2046	55. 3	.4	-26. 1	.0
71	2134	55. 0	.0	-26. 9	.8
71	2218	54.55	.8	-26.11	.5
71	2246	54.53	.1	-26.12	.4
71	2316	54.50	.5	-26.12	.3
71	2342	54.48	.1	-26.11	.8
72	12	54.45	.6	-26.11	.0
72	204	54.36	.8	-26. 6	.9
72	220	54.35	.8	-26. 6	.3
72	244	54.34	.3	-26. 6	.3
72	308	54.34	.4	-26. 3	.1
72	404	54.35	.0	-25.55	.6
72	446	54.34	.7	-25.48	.1
72	524	54.34	.0	-25.41	.9
72	624	54.32	.8	-25.32	.5
72	700	54.32	.2	-25.27	.0
72	750	54.31	.6	-25.18	.5
72	820	54.31	.8	-25.15	.0
72	916	54.32	.8	-25. 7	.6
72	948	54.33	.3	-25. 2	.9
72	1058	54.33	.2	-24.47	.1
72	1248	54.32	.8	-24.21	.1
72	1352	54.32	.1	-24. 7	.5
72	1454	54.32	.0	-23.54	.2
72	1542	54.32	.4	-23.44	.5
72	1652	54.32	.9	-23.29	.7
72	1720	54.33	.2	-23.24	.0
72	1854	54.33	.3	-23. 4	.9
72	1952	54.32	.9	-22.52	.6
72	2038	54.32	.8	-22.45	.8
72	2342	54.33	.0	-22. 8	.3
73	54	54.32	.9	-21.54	.6
73	252	54.33	.1	-21.33	.2
73	344	54.33	.2	-21.24	.6
73	520	54.32	.8	-21. 4	.5
73	628	54.33	.3	-20.50	.7
73	702	54.33	.3	-20.43	.9
73	912	54.32	.9	-20.18	.7
73	1024	54.32	.9	-20. 4	.7
73	1156	54.32	.7	-19.45	.8
73	1216	54.32	.5	-19.41	.5
73	1230	54.32	.1	-19.38	.3
73	1242	54.30	.9	-19.37	.2
73	1324	54.26	.0	-19.36	.5
73	1346	54.23	.3	-19.36	.4
73	1428	54.18	.3	-19.37	.3

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME	LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
73	1548	54.	8.7	-19.	39.6
73	1606	54.	6.4	-19.	40.7
73	1642	54.	5.0	-19.	47.3
73	1714	54.	4.1	-19.	54.2
73	1824	54.	3.1	-20.	8.6
73	1902	54.	2.2	-20.	16.5
73	1930	54.	1.9	-20.	21.6
73	2002	54.	1.1	-20.	27.9
73	2058	53.	59.1	-20.	38.8
73	2300	53.	54.6	-21.	1.1
74	4	53.	52.0	-21.	13.0
74	106	53.	49.3	-21.	24.6
74	200	53.	46.8	-21.	34.6
74	256	53.	44.3	-21.	44.8
74	358	53.	42.9	-21.	55.7
74	454	53.	42.0	-22.	6.2
74	530	53.	41.0	-22.	12.7
74	600	53.	37.3	-22.	12.4
74	714	53.	28.3	-22.	11.7
74	742	53.	28.7	-22.	5.7
74	804	53.	29.0	-22.	1.2
74	844	53.	28.7	-21.	53.0
74	922	53.	28.1	-21.	44.4
74	934	53.	27.5	-21.	44.2
74	1002	53.	27.0	-21.	44.9
74	1100	53.	26.7	-21.	40.5
74	1118	53.	26.1	-21.	40.0
74	1200	53.	25.6	-21.	38.0
74	1614	53.	22.0	-21.	30.5
74	1624	53.	22.0	-21.	26.8
74	1704	53.	21.9	-21.	17.6
74	1724	53.	22.2	-21.	13.6
74	1930	53.	24.8	-20.	50.3
74	2004	53.	25.7	-20.	43.4
74	2052	53.	26.4	-20.	35.2
74	2132	53.	27.0	-20.	27.4
74	2306	53.	28.3	-20.	10.5
74	2332	53.	28.5	-20.	6.4
75	118	53.	30.9	-19.	44.6
75	146	53.	30.9	-19.	39.4
75	304	53.	30.7	-19.	25.3
75	408	53.	30.7	-19.	14.0
75	532	53.	30.9	-18.	58.8
75	716	53.	31.2	-18.	40.1
75	848	53.	31.0	-18.	24.8
75	1000	53.	30.8	-18.	12.4
75	1028	53.	30.2	-18.	6.6
75	1056	53.	29.7	-18.	2.2
75	1118	53.	29.4	-17.	58.4
75	1134	53.	29.4	-17.	54.8
75	1200	53.	29.4	-17.	49.1
75	1212	53.	29.1	-17.	49.0
75	1228	53.	29.4	-17.	48.2
75	1316	53.	30.8	-17.	44.5
75	1356	53.	31.5	-17.	40.8
75	1500	53.	32.2	-17.	35.4
75	1548	53.	32.3	-17.	32.4
75	1604	53.	32.1	-17.	31.7
75	1640	53.	30.8	-17.	31.7
75	1716	53.	29.6	-17.	31.0

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME	LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
75	1828	53.26.8		-17.30.9	
75	1912	53.25.8		-17.31.9	
75	2014	53.23.9		-17.32.2	
75	2102	53.22.2		-17.32.7	
75	2156	53.20.4		-17.34.2	
75	2228	53.19.6		-17.35.3	
75	2248	53.19.1		-17.36.0	
75	2348	53.17.7		-17.37.8	
76	10	53.16.8		-17.38.6	
76	32	53.16.3		-17.39.4	
76	126	53.15.1		-17.40.0	
76	158	53.15.3		-17.41.1	
76	224	53.15.7		-17.42.9	
76	324	53.15.8		-17.45.5	
76	416	53.15.2		-17.47.0	
76	452	53.14.8		-17.47.3	
76	536	53.14.0		-17.47.5	
76	624	53.12.6		-17.47.1	
76	652	53.11.7		-17.47.4	
76	730	53.10.9		-17.47.0	
76	850	53.9.3		-17.46.4	
76	930	53.9.5		-17.49.2	
76	948	53.11.9		-17.49.4	
76	1008	53.14.6		-17.50.3	
76	1056	53.20.7		-17.52.7	
76	1120	53.23.8		-17.55.2	
76	1208	53.28.6		-17.58.5	
76	1220	53.29.7		-17.57.2	
76	1248	53.29.8		-17.52.1	
76	1406	53.30.2		-17.38.3	
76	1446	53.30.2		-17.29.9	
76	1656	53.29.8		-17.3.2	
76	1710	53.29.4		-17.3.8	
76	1726	53.29.4		-17.5.3	
76	1736	53.30.0		-17.4.3	
76	1846	53.29.9		-16.51.4	
76	1920	53.29.9		-16.44.8	
76	2028	53.30.6		-16.31.2	
76	2202	53.31.4		-16.11.8	
77	14	53.30.6		-15.46.8	
77	38	53.30.2		-15.42.5	
77	114	53.29.8		-15.35.9	
77	144	53.29.2		-15.30.1	
77	250	53.27.4		-15.17.1	
77	316	53.26.7		-15.11.8	
77	336	53.26.8		-15.7.9	
77	352	53.26.7		-15.4.8	
77	414	53.26.2		-15.0.8	
77	458	53.25.6		-14.52.7	
77	626	53.24.0		-14.36.9	
77	726	53.22.9		-14.26.4	
77	750	53.22.3		-14.22.6	
77	852	53.20.6		-14.12.1	
77	930	53.19.8		-14.5.5	
77	1004	53.19.5		-13.59.7	
77	1156	53.18.6		-13.38.8	
77	1302	53.18.2		-13.28.2	
77	1354	53.17.9		-13.18.3	
77	1454	53.17.0		-13.8.0	
77	1514	53.16.5		-13.4.6	

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME		LATITUDE		LONGITUDE	
	NO	H M	DEG	MIN	DEG	MIN
77	1614		53.15.3		-12.53.6	
77	1634		53.14.9		-12.50.0	
77	1710		53.11.3		-12.50.0	
77	1754		53. 6.6		-12.50.7	
77	1836		53. 1.8		-12.51.6	
77	1922		52.56.5		-12.51.7	
77	1956		52.52.5		-12.52.0	
77	2038		52.48.1		-12.52.5	
77	2116		52.43.8		-12.52.9	
77	2152		52.39.6		-12.53.2	
77	2300		52.32.1		-12.53.0	
78	30		52.21.9		-12.51.6	
78	144		52.13.6		-12.51.6	
78	244		52. 6.7		-12.50.7	
78	310		52. 3.9		-12.50.8	
78	400		51.58.3		-12.52.0	
78	422		51.55.8		-12.52.2	
78	450		51.52.2		-12.52.0	
78	632		51.39.9		-12.51.2	
78	712		51.35.2		-12.51.4	
78	808		51.28.5		-12.52.2	
78	824		51.26.8		-12.52.2	
78	922		51.20.9		-12.51.1	
78	1028		51.13.2		-12.51.7	
78	1136		51. 5.7		-12.51.7	
78	1242		50.58.4		-12.52.3	
78	1404		50.49.0		-12.53.5	
78	1438		50.45.1		-12.53.1	
78	1532		50.38.2		-12.52.3	
78	1718		50.25.1		-12.49.6	
78	1748		50.21.3		-12.49.7	
78	1820		50.17.4		-12.50.3	
78	1836		50.15.6		-12.50.9	
78	1934		50. 7.8		-12.51.9	
78	2056		49.57.1		-12.53.0	
78	2152		49.49.8		-12.54.6	
78	2324		49.38.0		-12.56.1	
78	2340		49.36.0		-12.55.9	
79	38		49.28.9		-12.53.3	
79	54		49.28.5		-12.50.7	
79	300		49.29.3		-12.28.6	
79	340		49.30.2		-12.22.0	
79	416		49.31.0		-12.16.0	
79	442		49.31.8		-12.12.1	
79	558		49.34.7		-12. 0.7	
79	636		49.36.1		-11.54.1	
79	724		49.37.8		-11.47.0	
79	752		49.38.6		-11.42.3	
79	932		49.41.1		-11.24.8	
79	1046		49.42.3		-11.11.5	
79	1124		49.43.2		-11. 5.3	
79	1208		49.44.1		-10.57.8	
79	1554		49.49.8		-10.16.5	
79	1710		49.50.7		-10. 3.0	
79	1756		49.51.3		-9.54.9	
79	1906		49.52.4		-9.42.2	
79	2018		49.54.3		-9.30.5	
79	2116		49.56.0		-9.21.0	
79	2330		50. 0.5		-8.57.5	
79	2358		50. 1.4		-8.54.0	

NAVIGATION POINTS FOR DISCOVERY CRUISE 60

DAY	TIME	LATITUDE		LONGITUDE	
		DEG	MIN	DEG	MIN
80	10	50.	2.0	-8.	51.7
80	28	50.	3.0	-8.	48.1
80	318	50.	14.5	-8.	13.6
80	332	50.	15.7	-8.	11.1
80	444	50.	19.6	-7.	56.0
80	554	50.	22.9	-7.	41.1
80	600	50.	23.1	-7.	40.0

51
-13

-12

-11

51

50

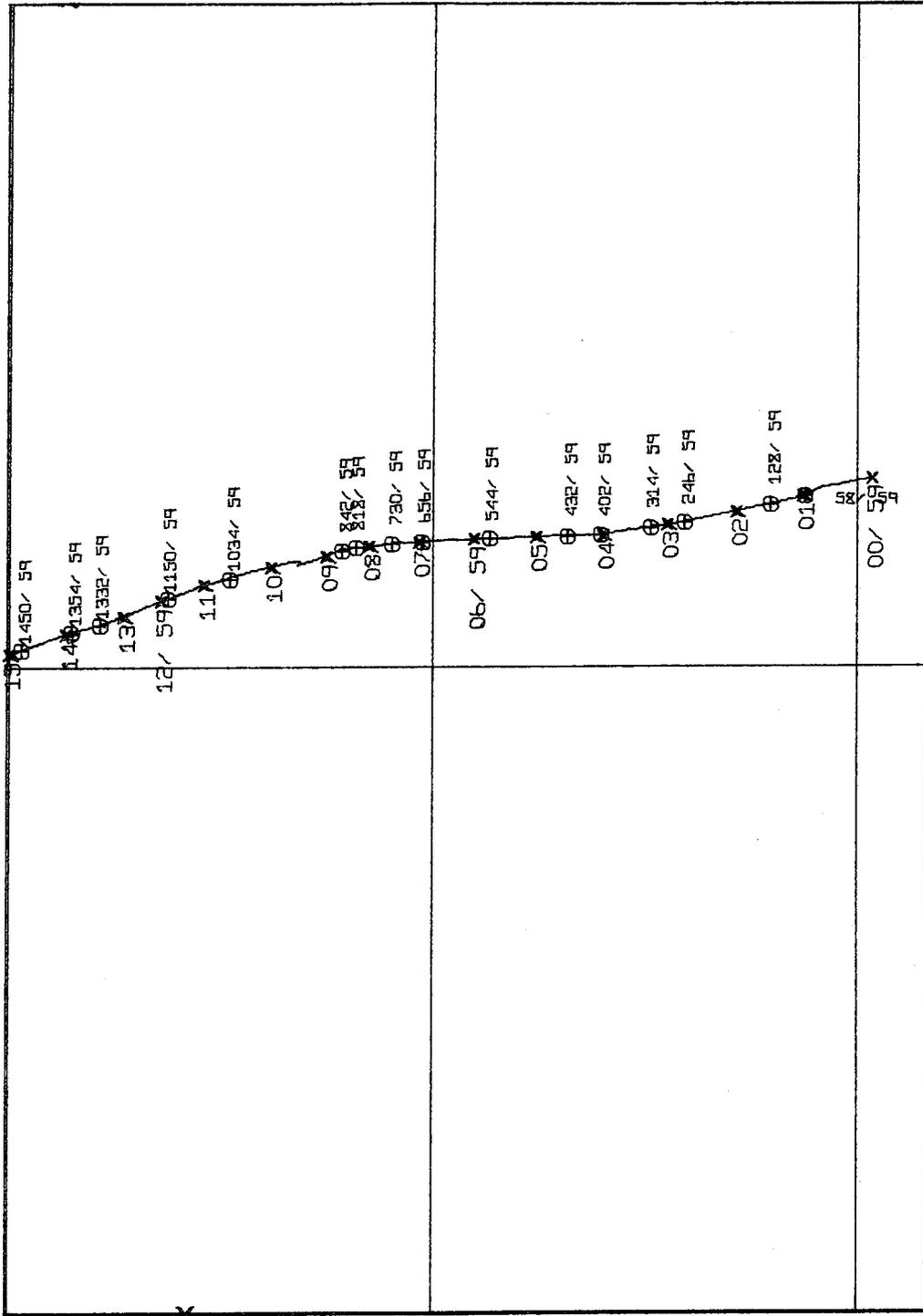
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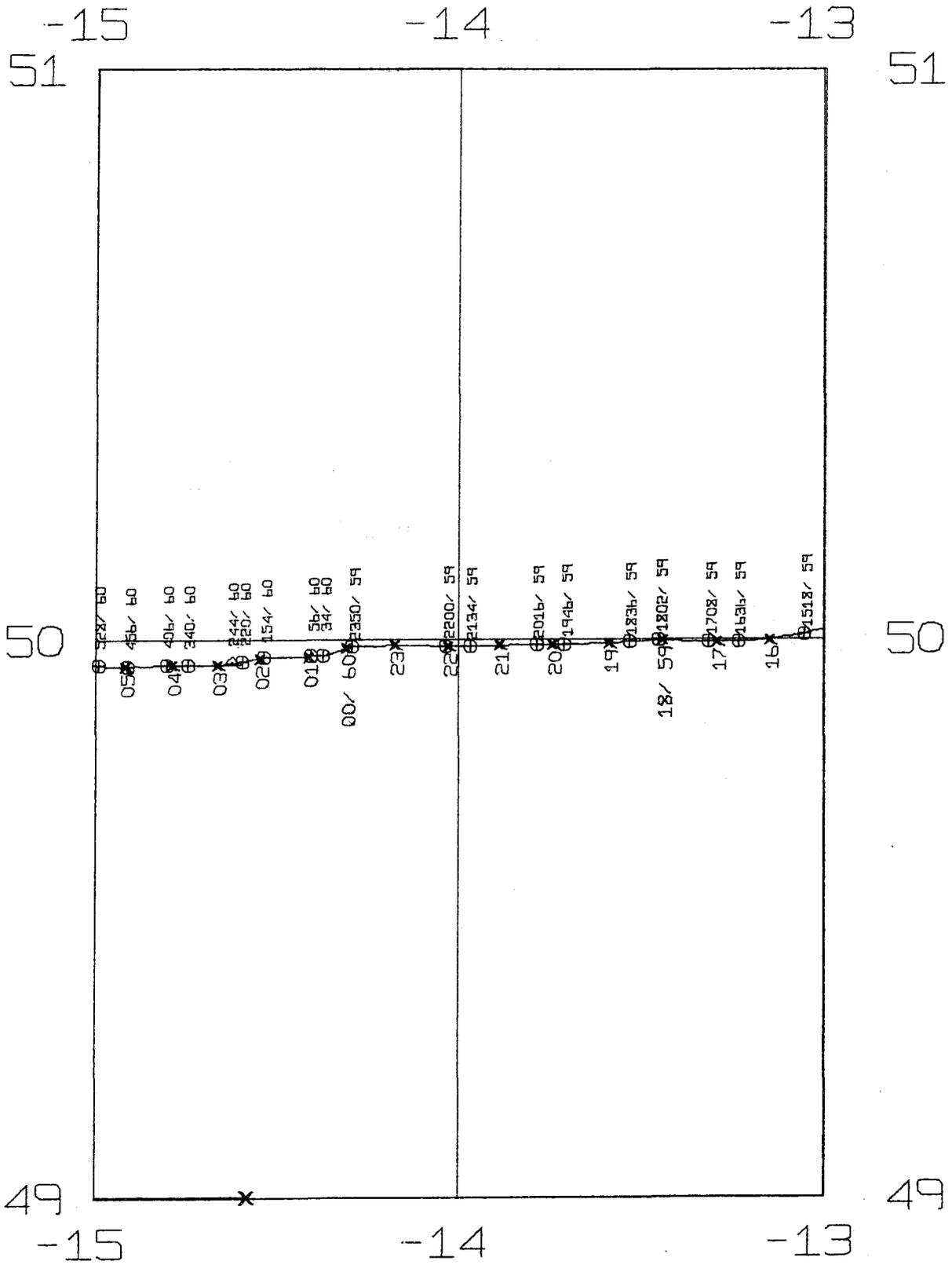
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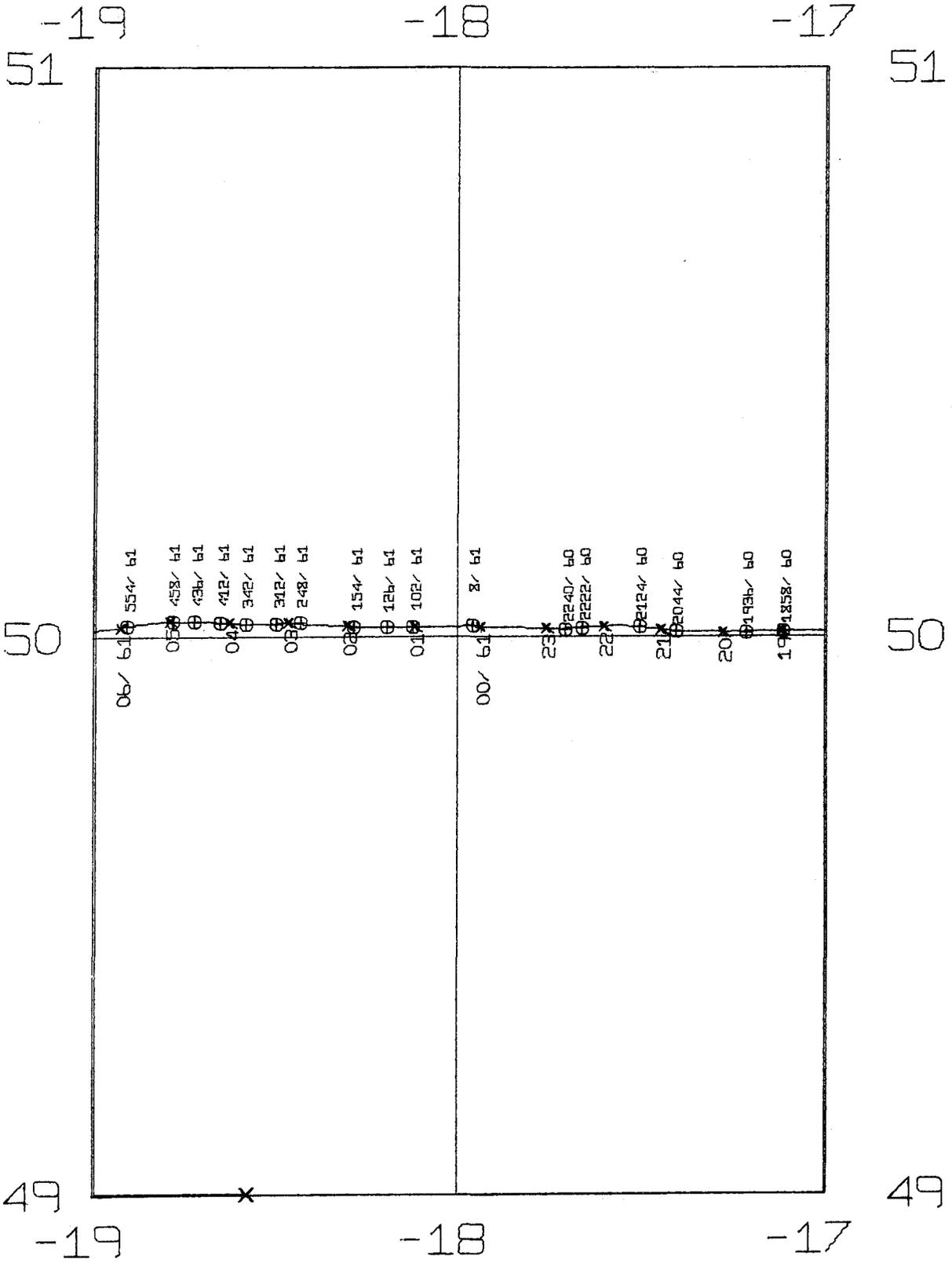
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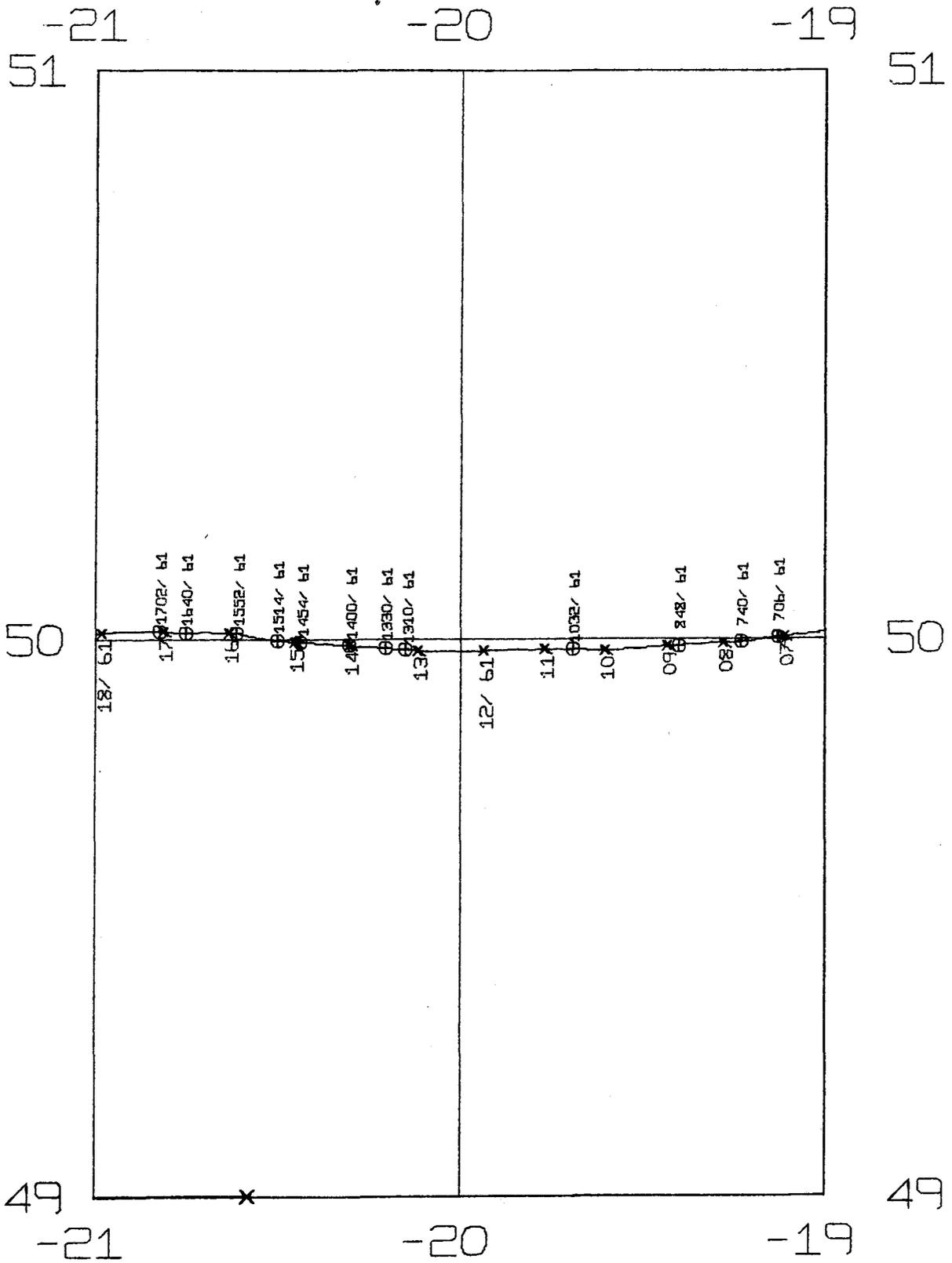
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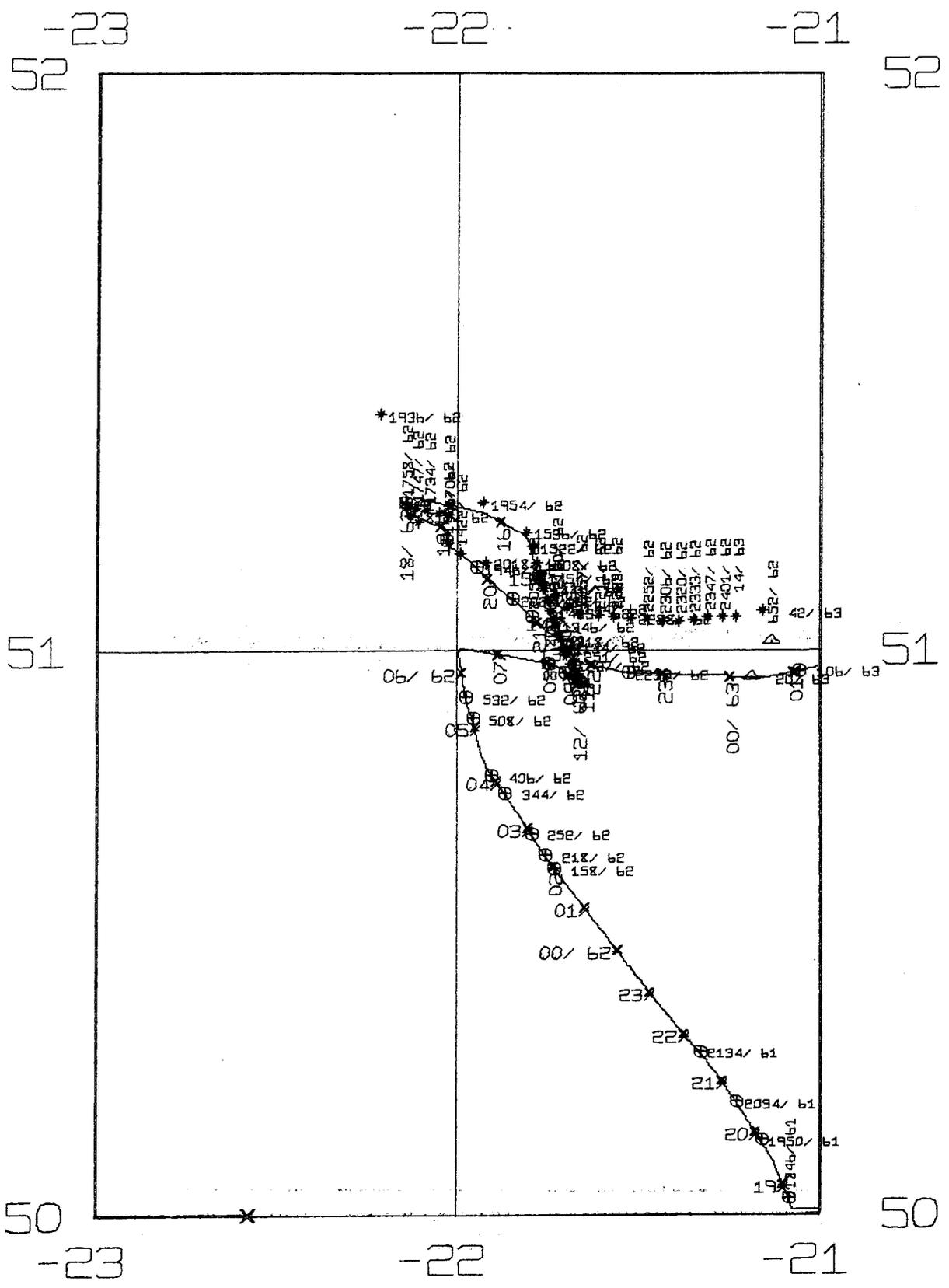
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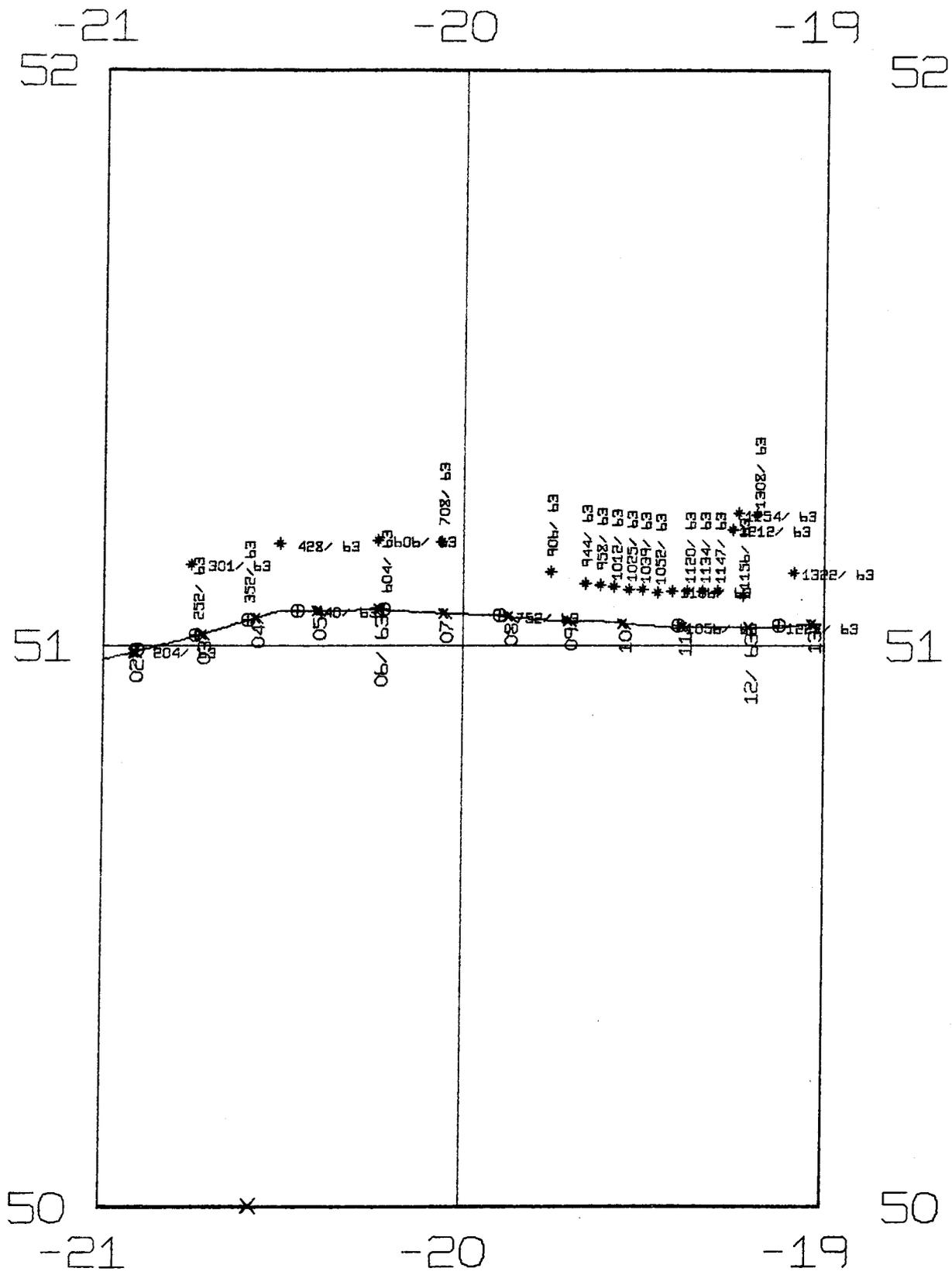


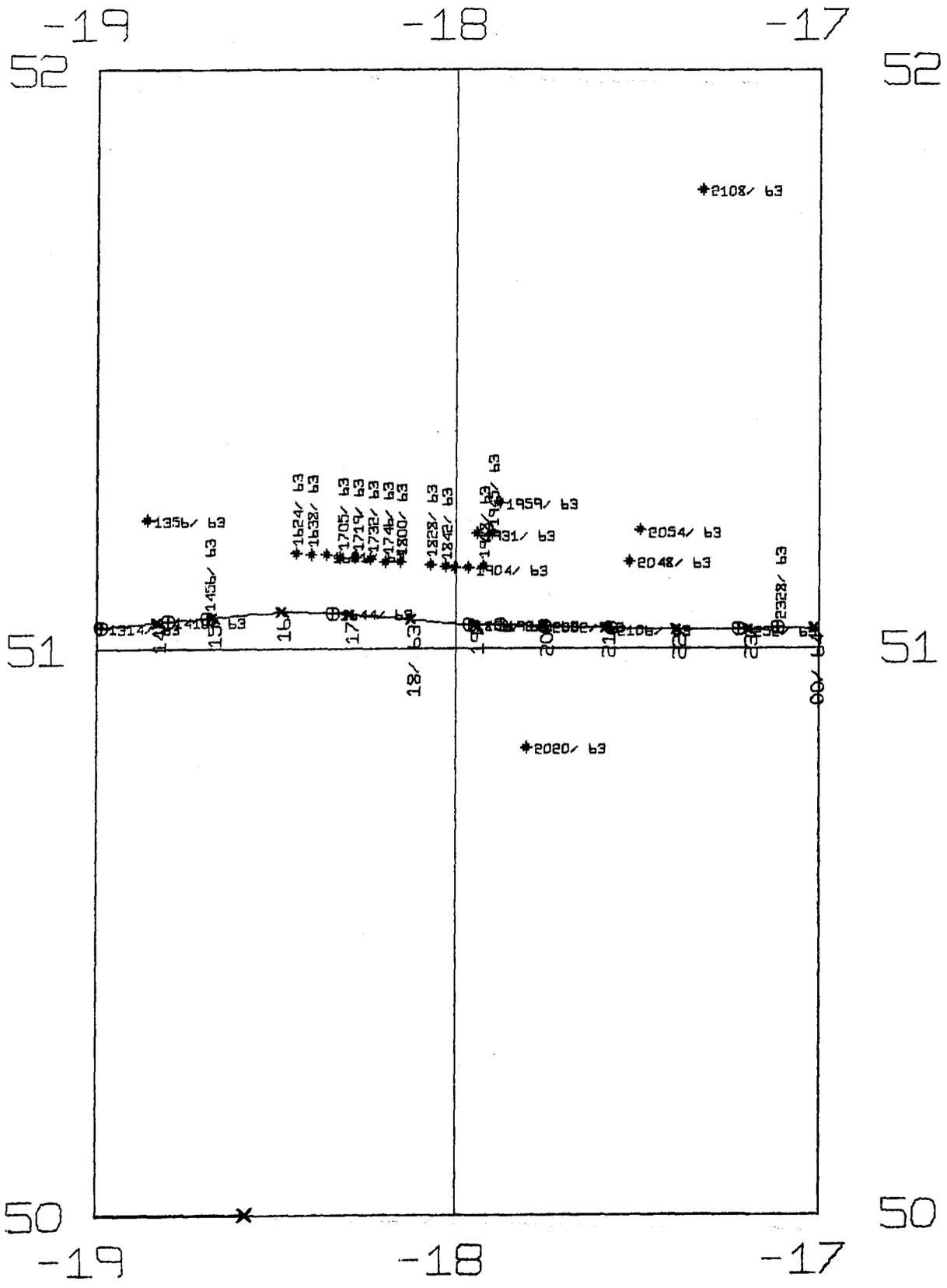


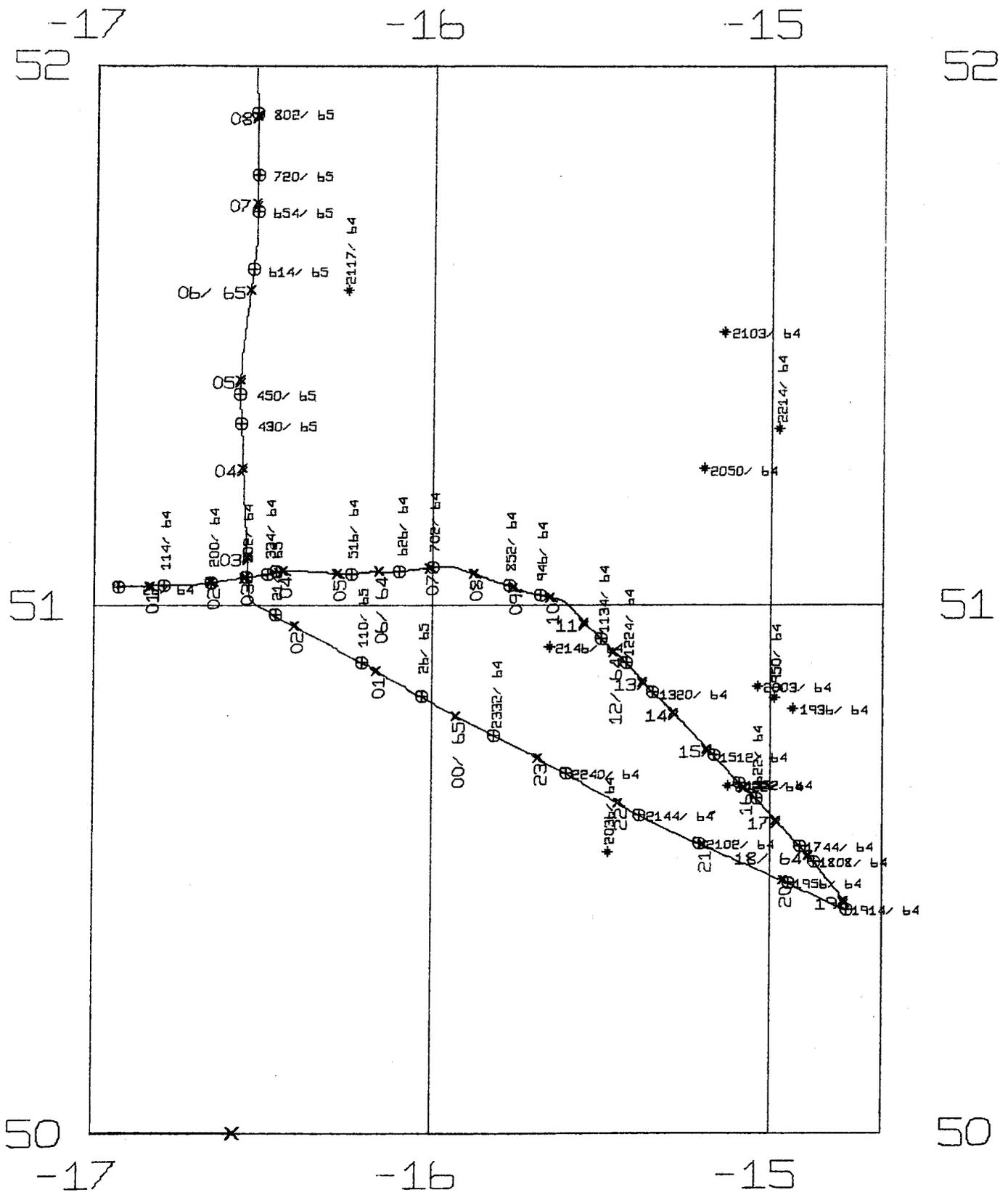


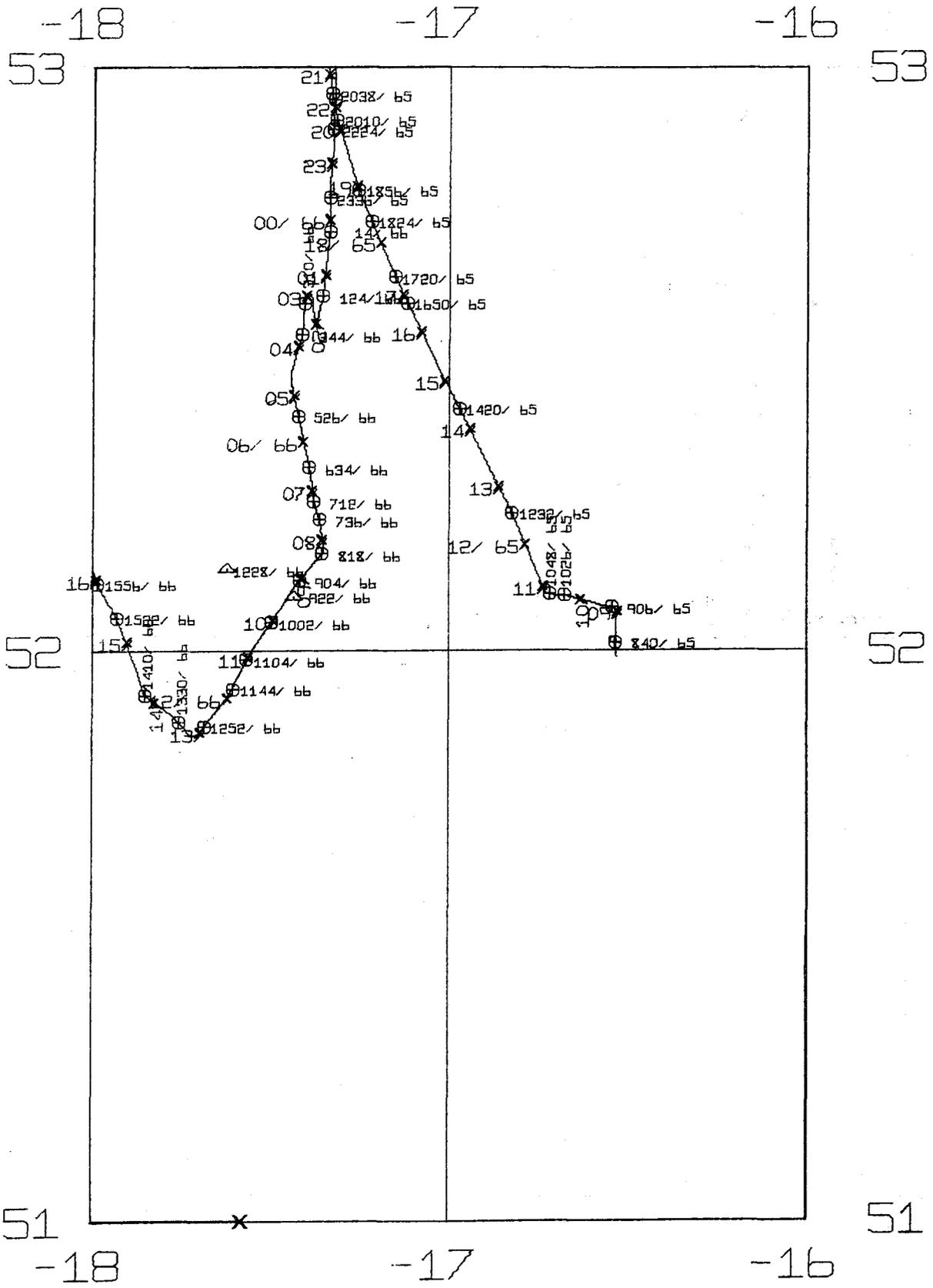


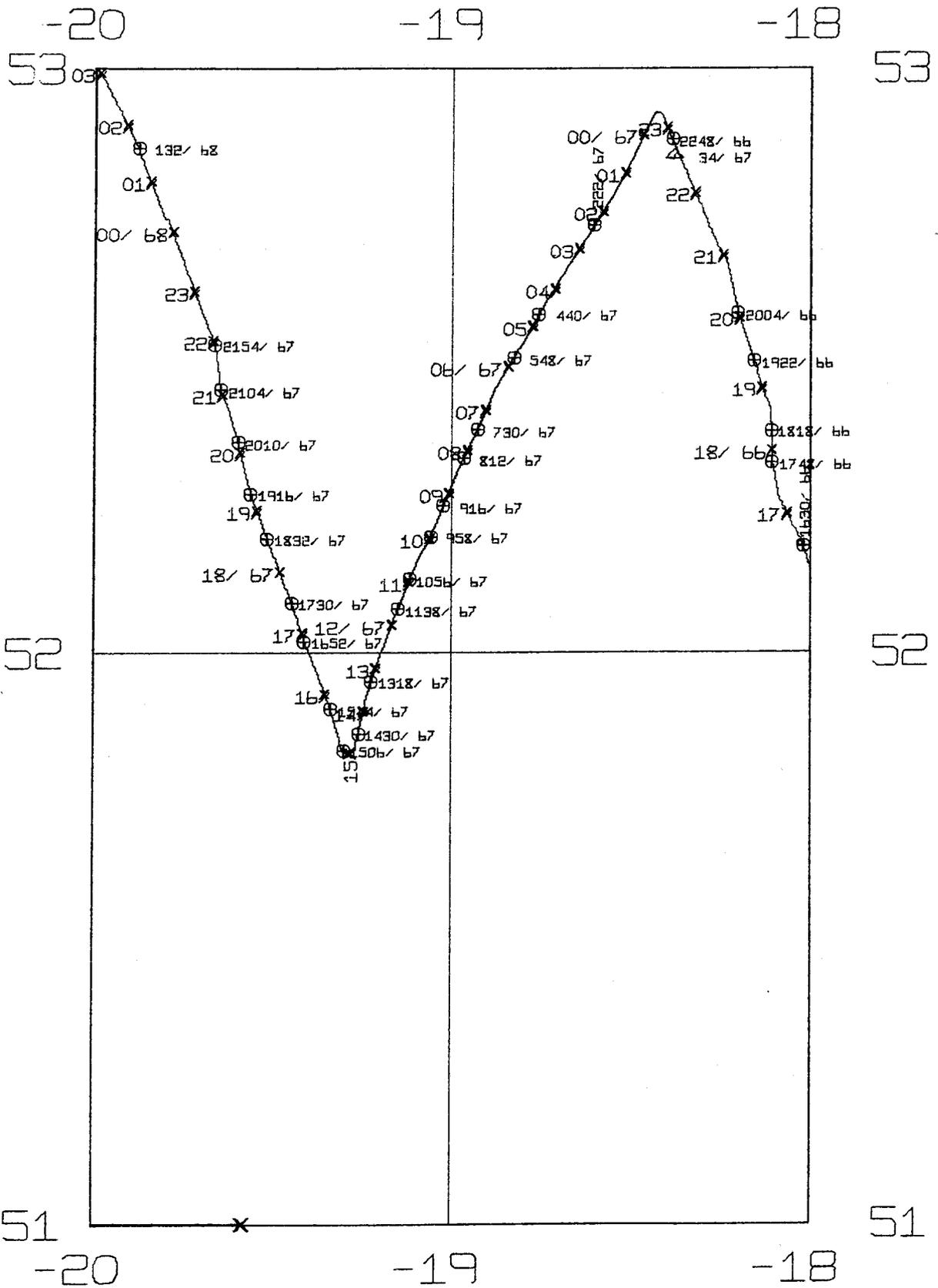


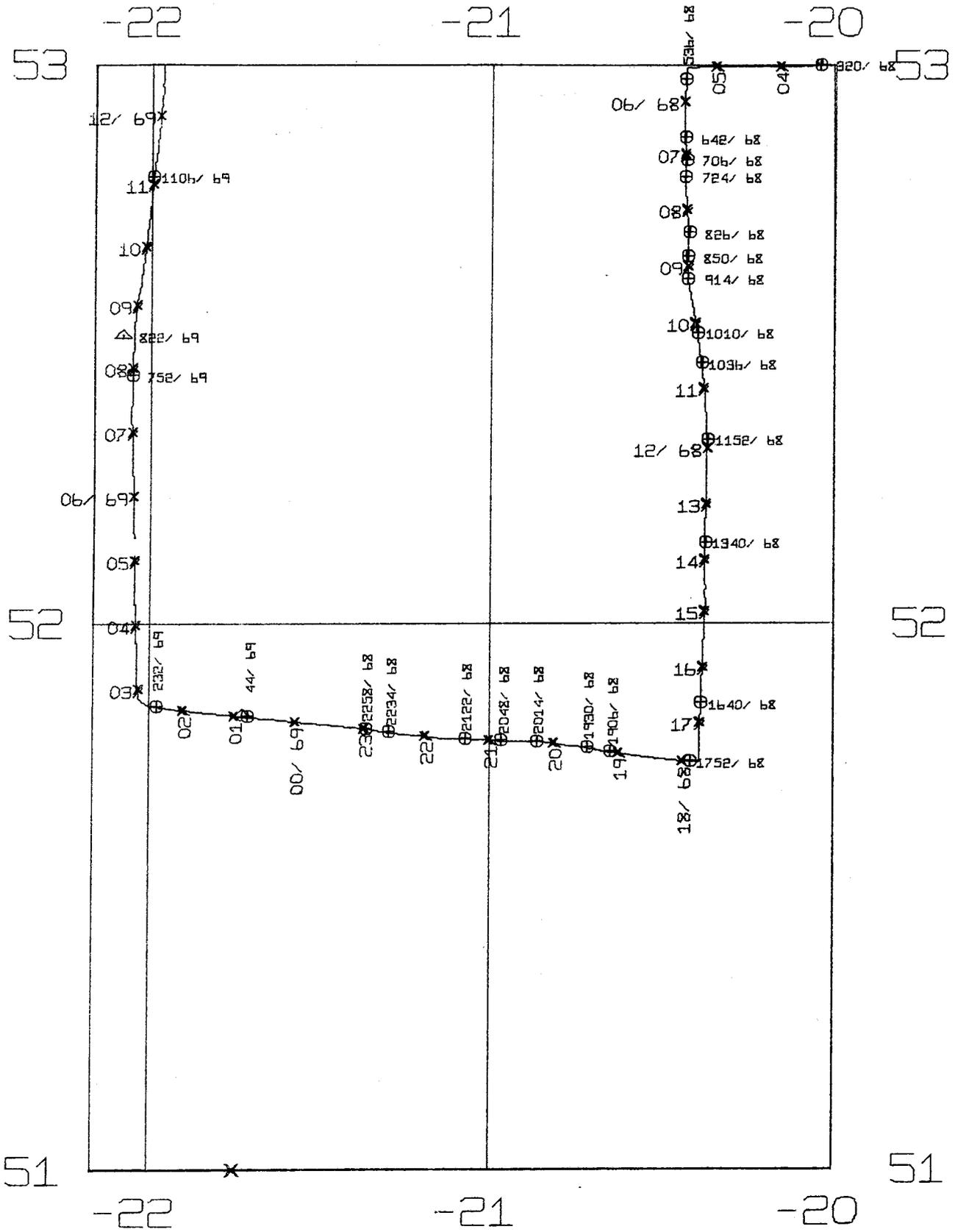


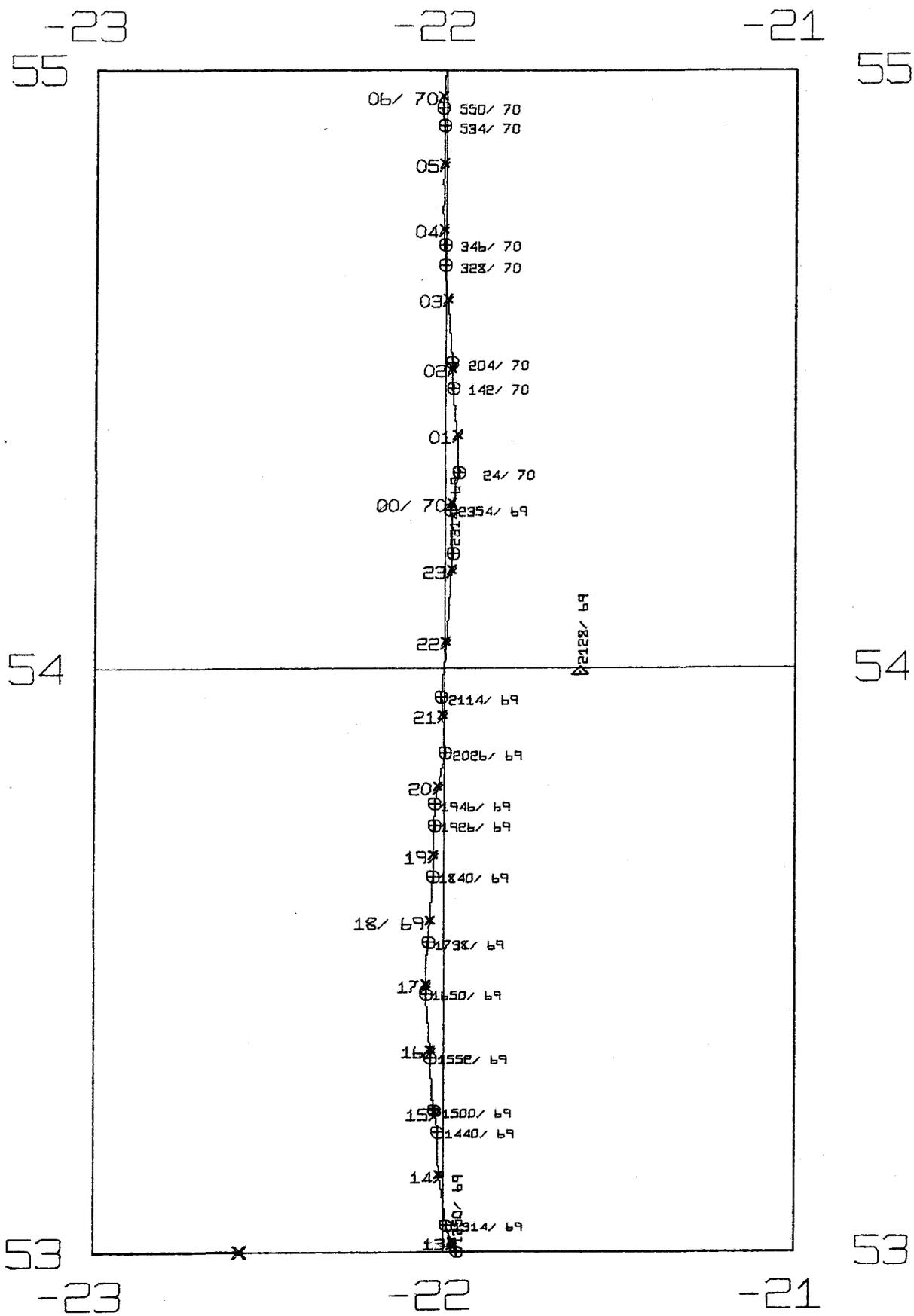


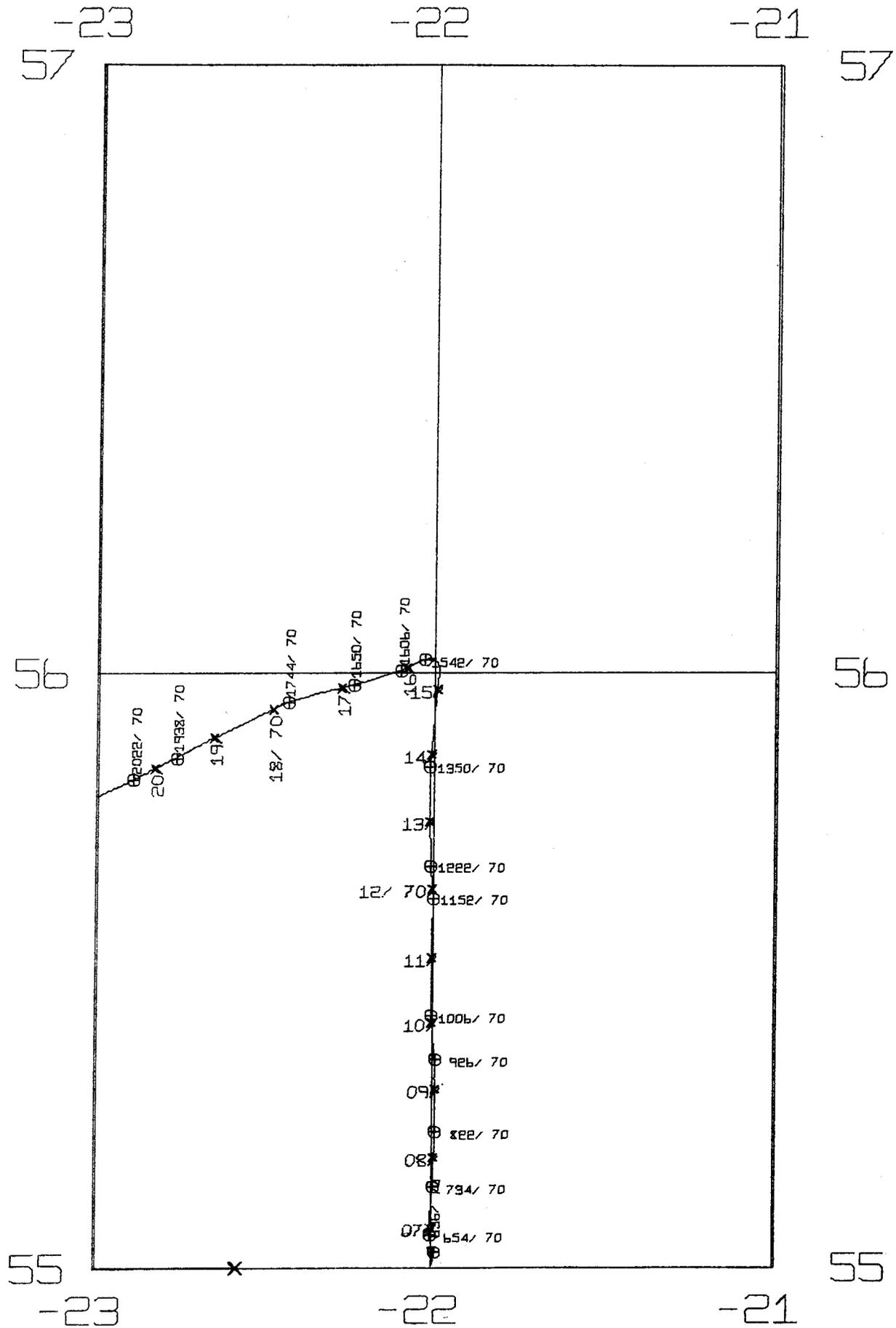


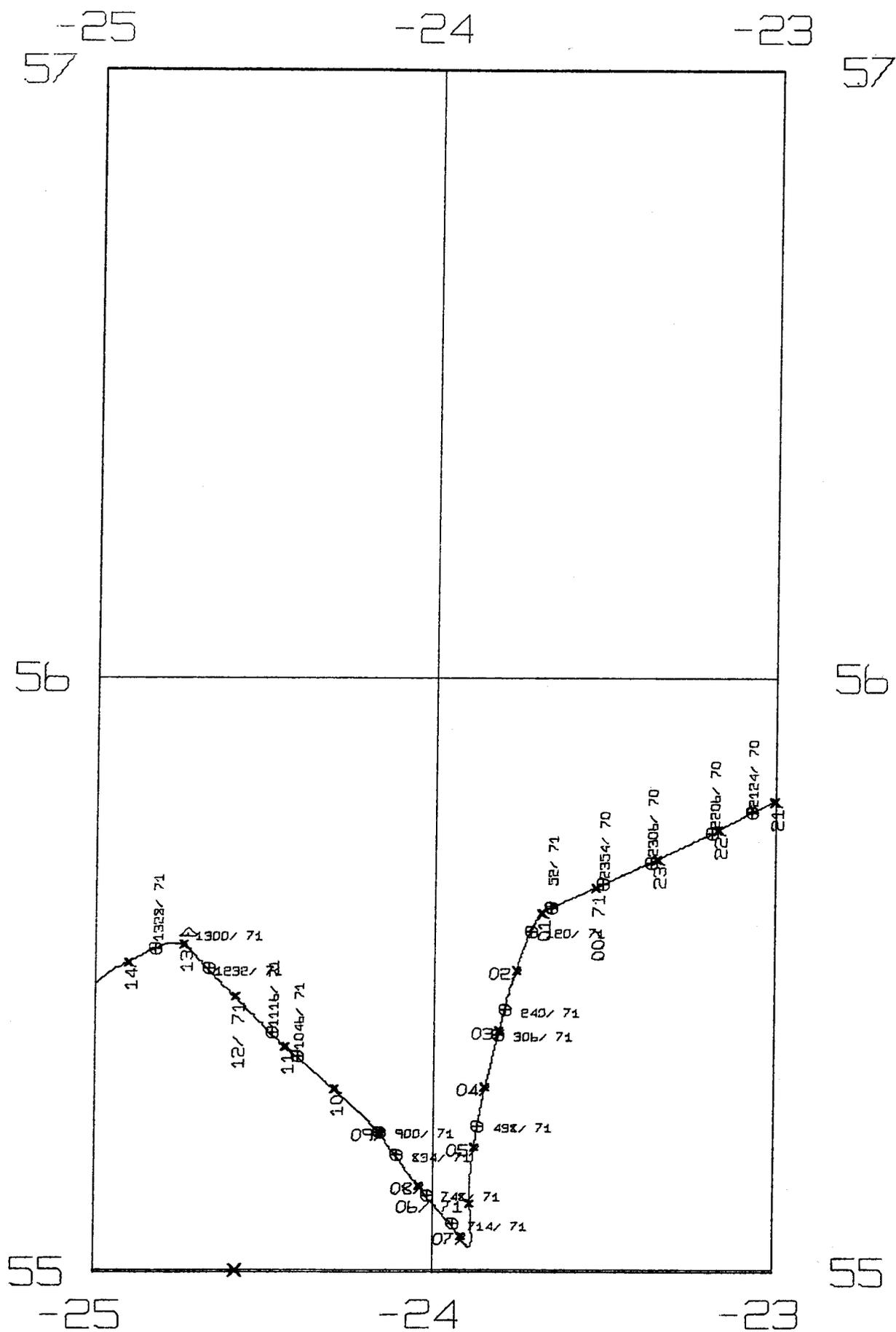


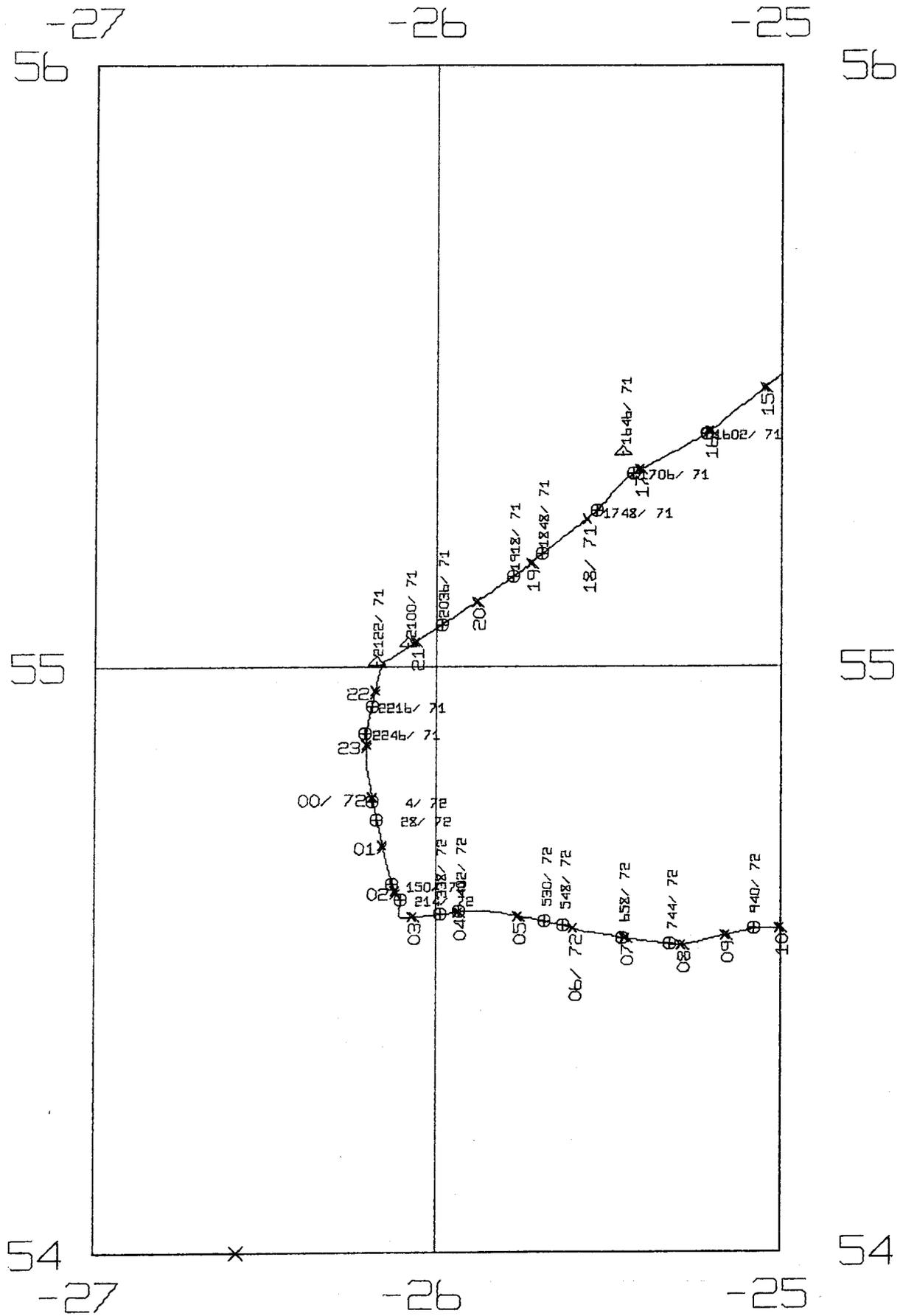


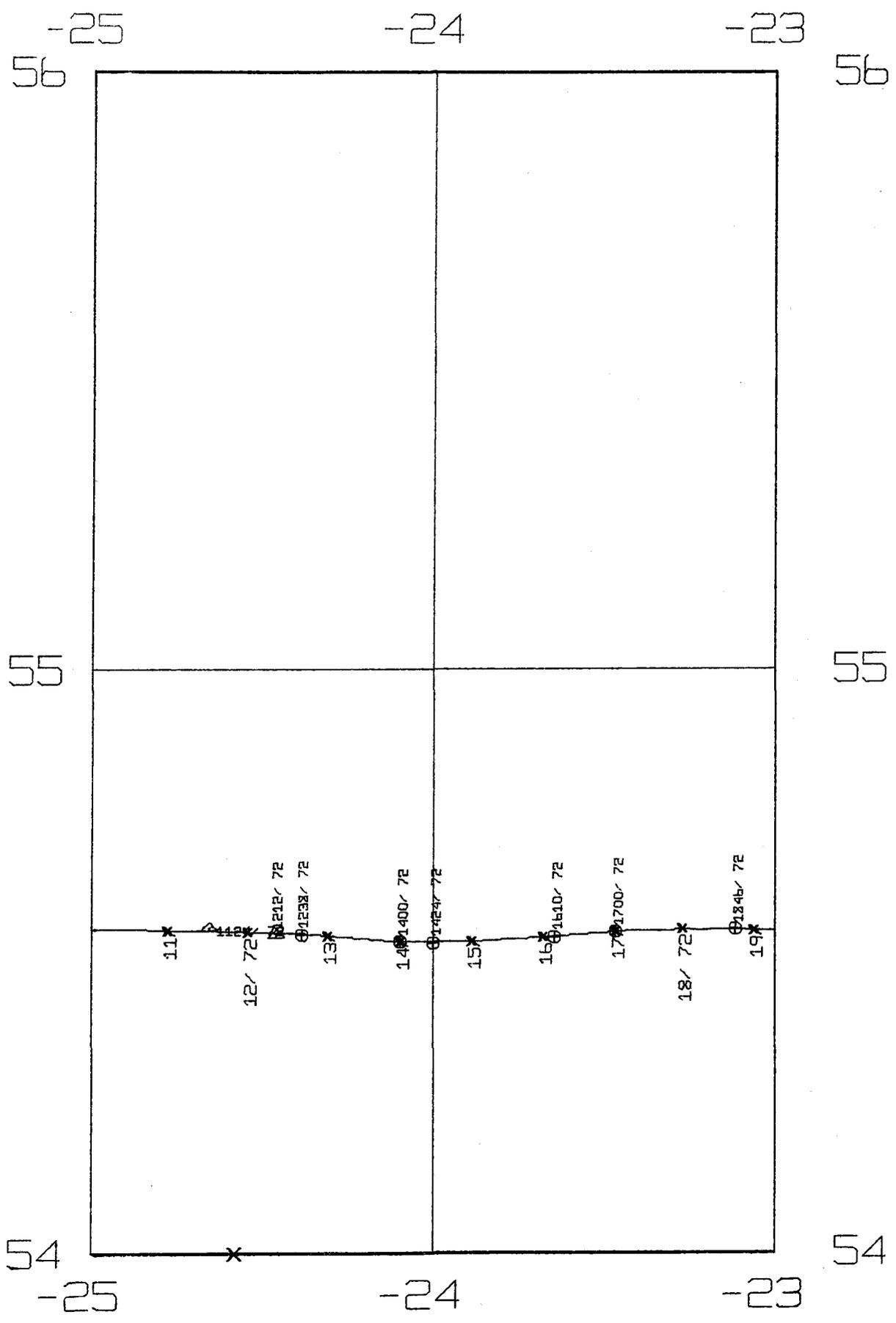


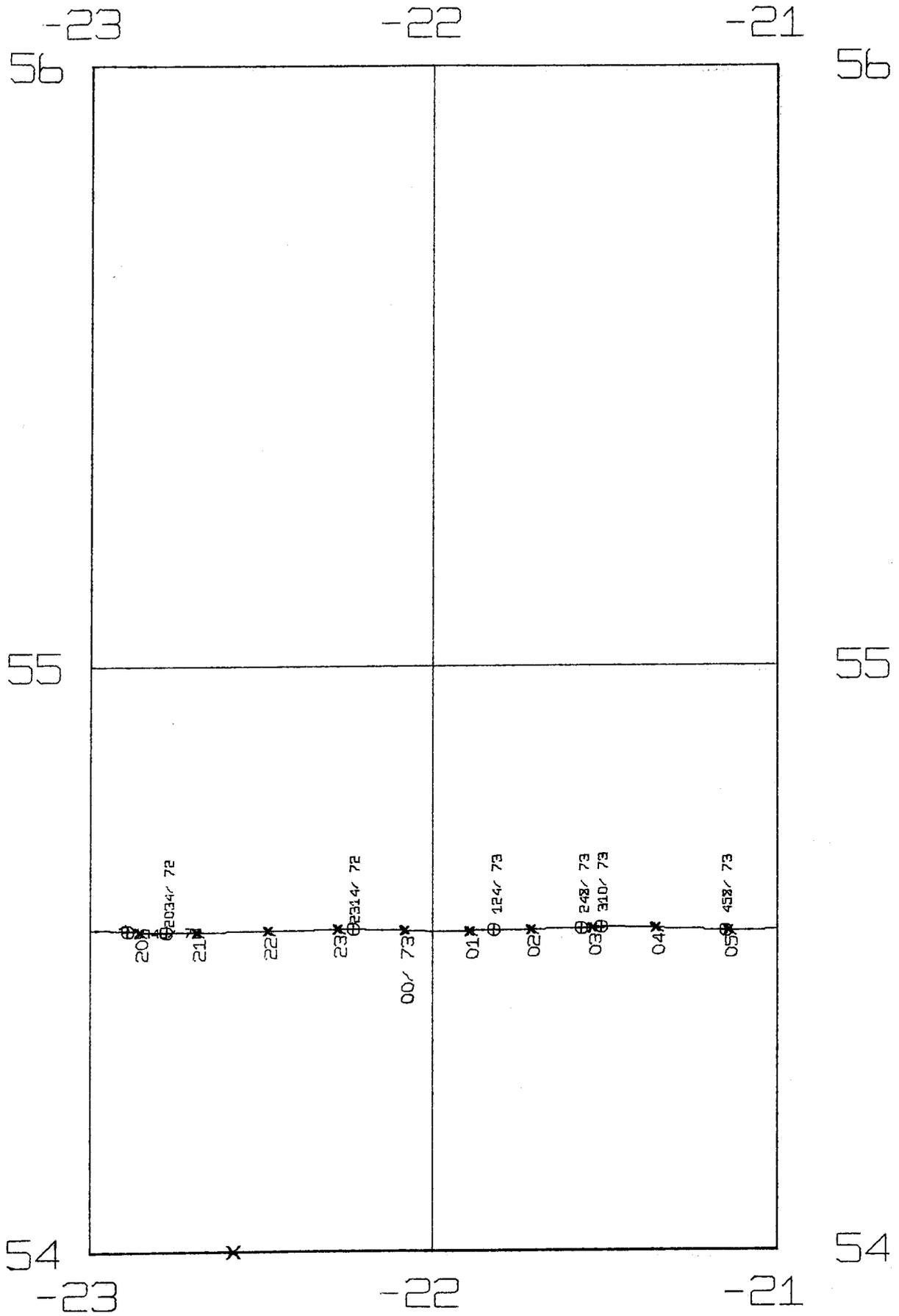


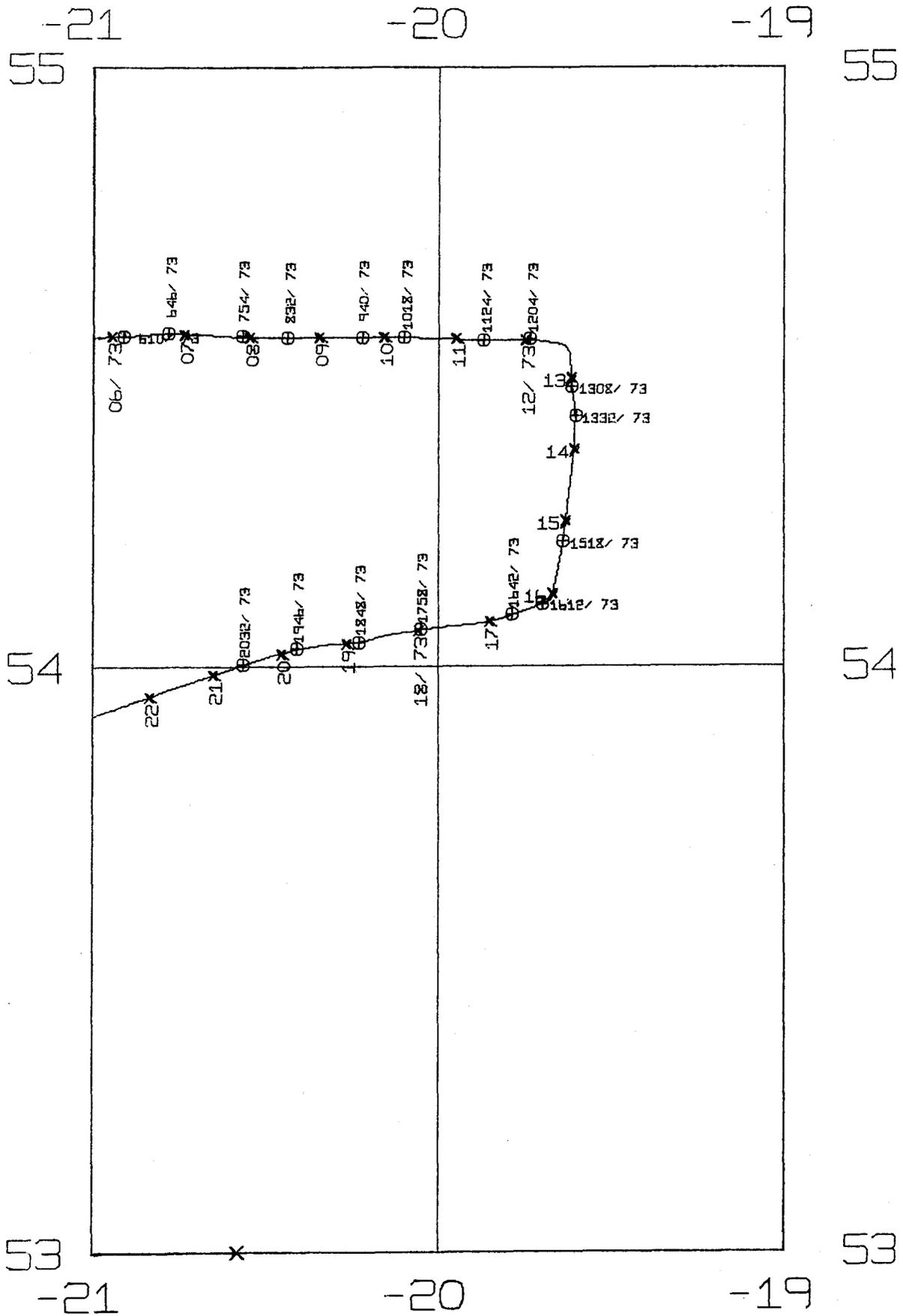


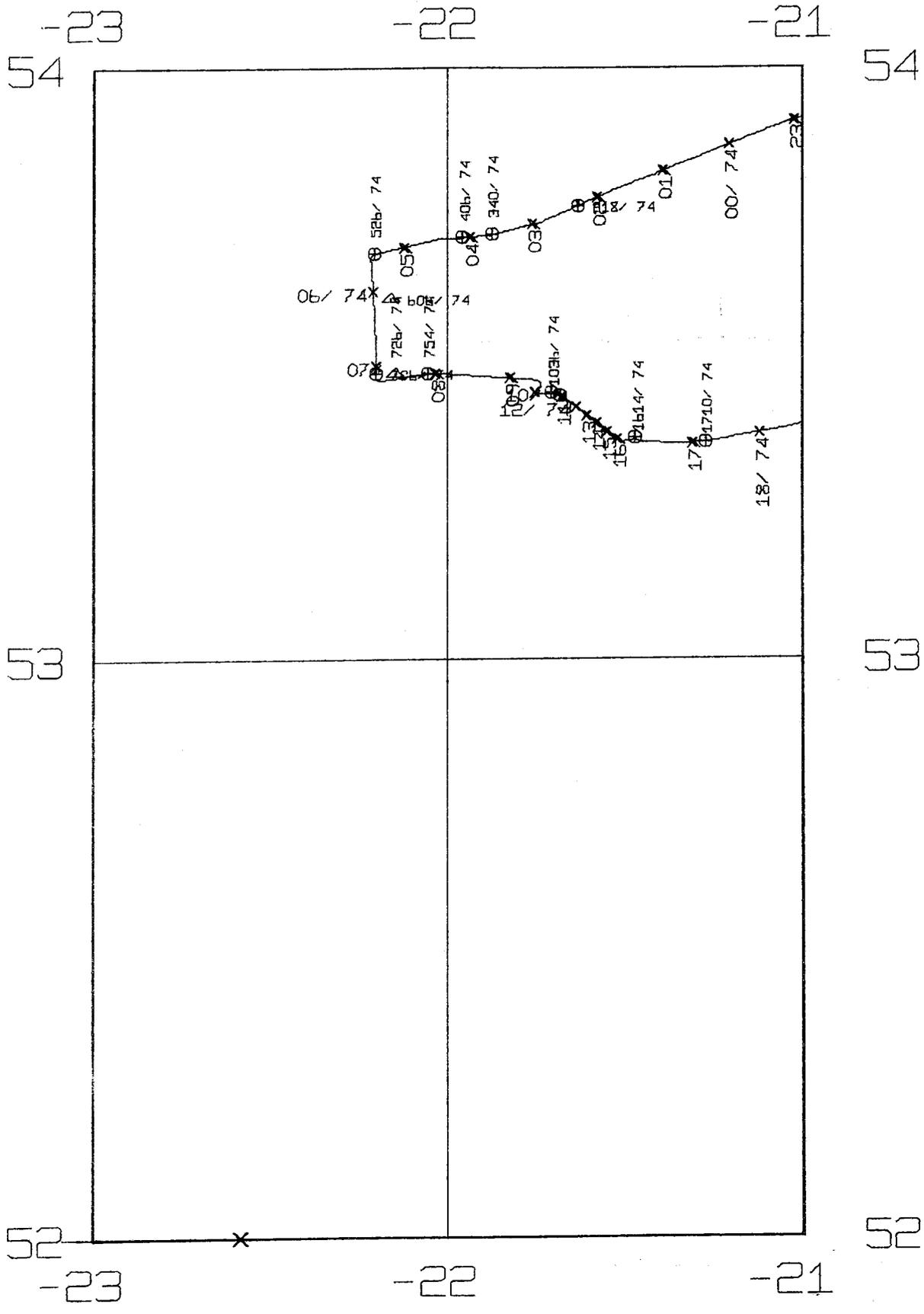


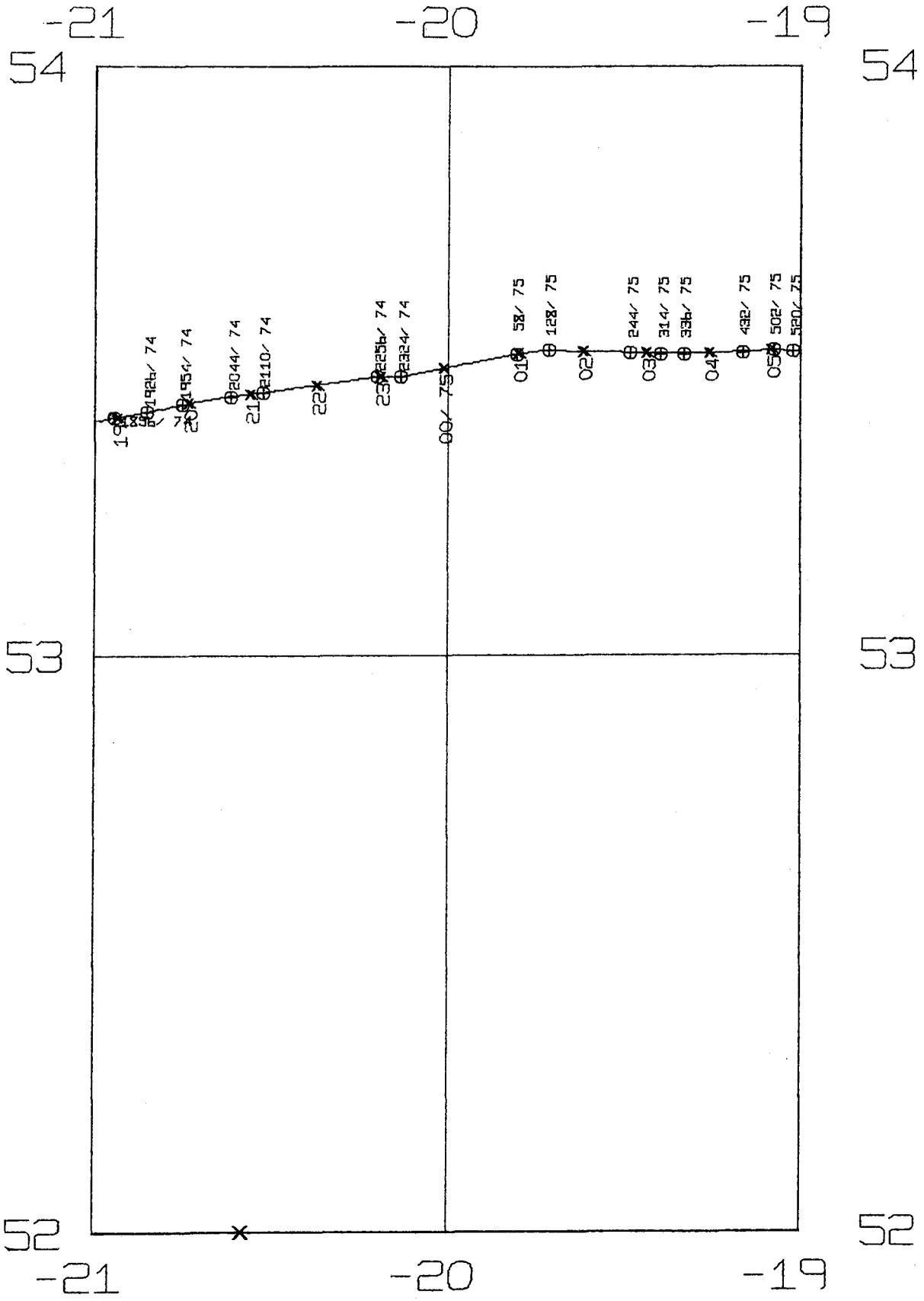


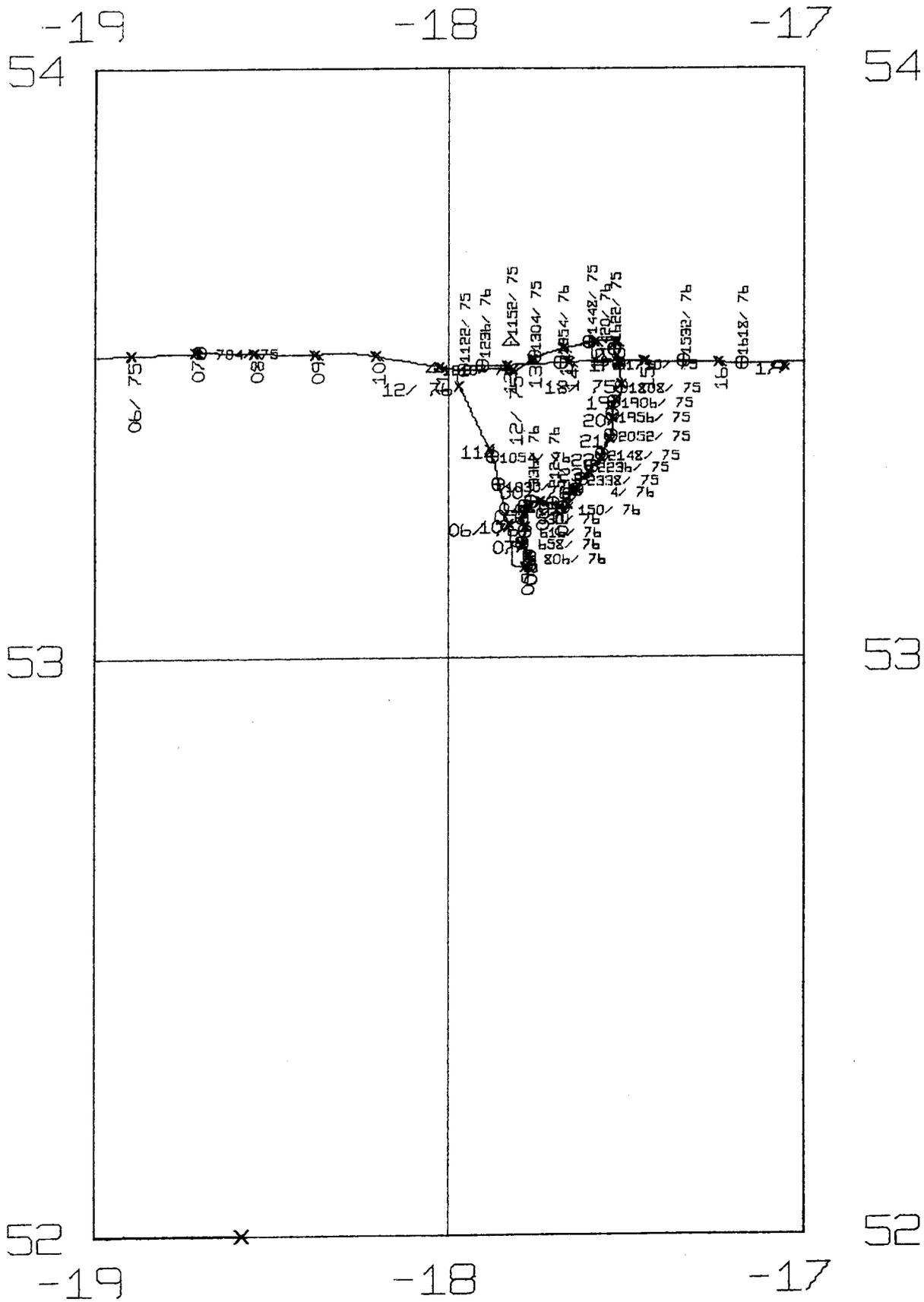


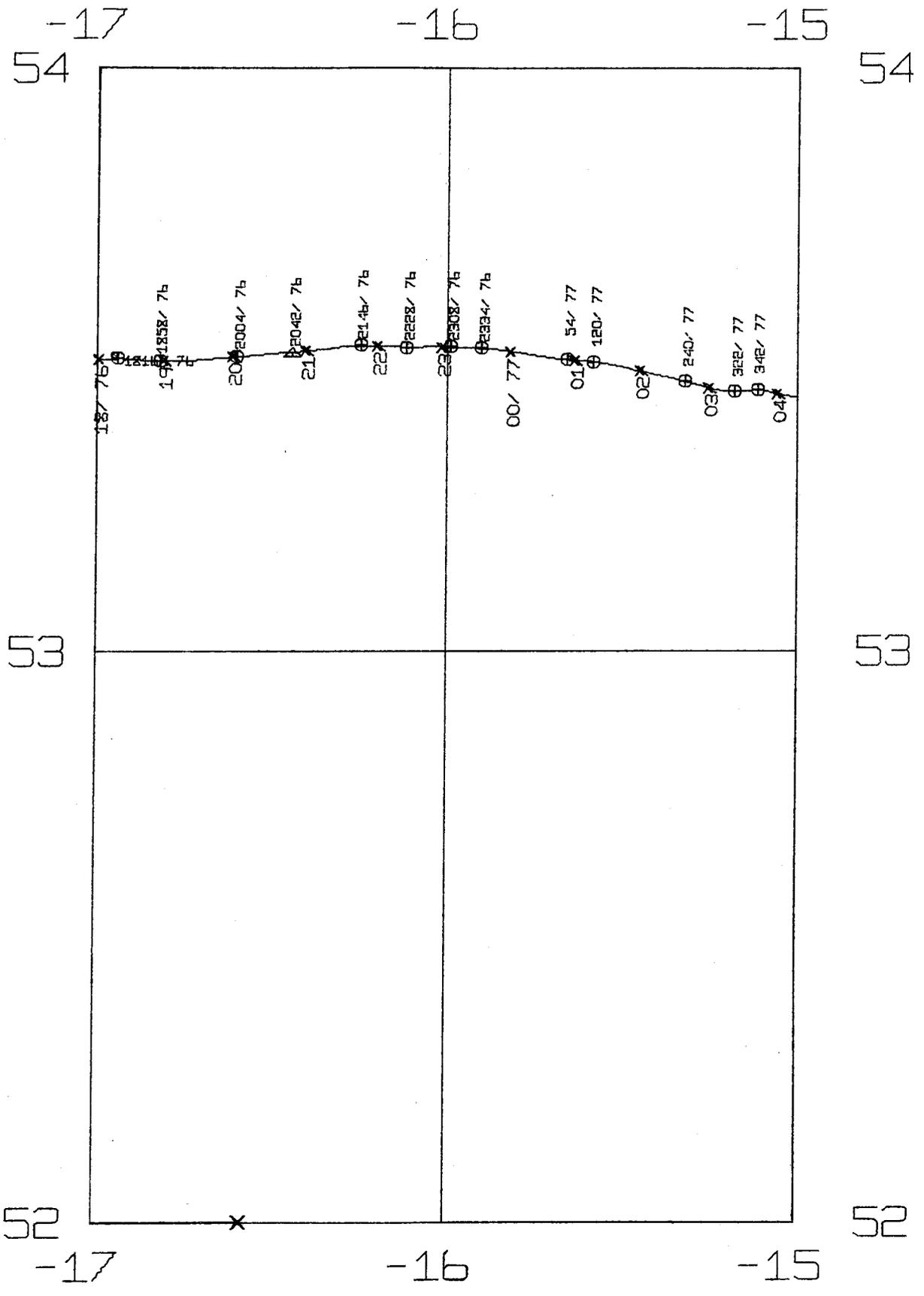


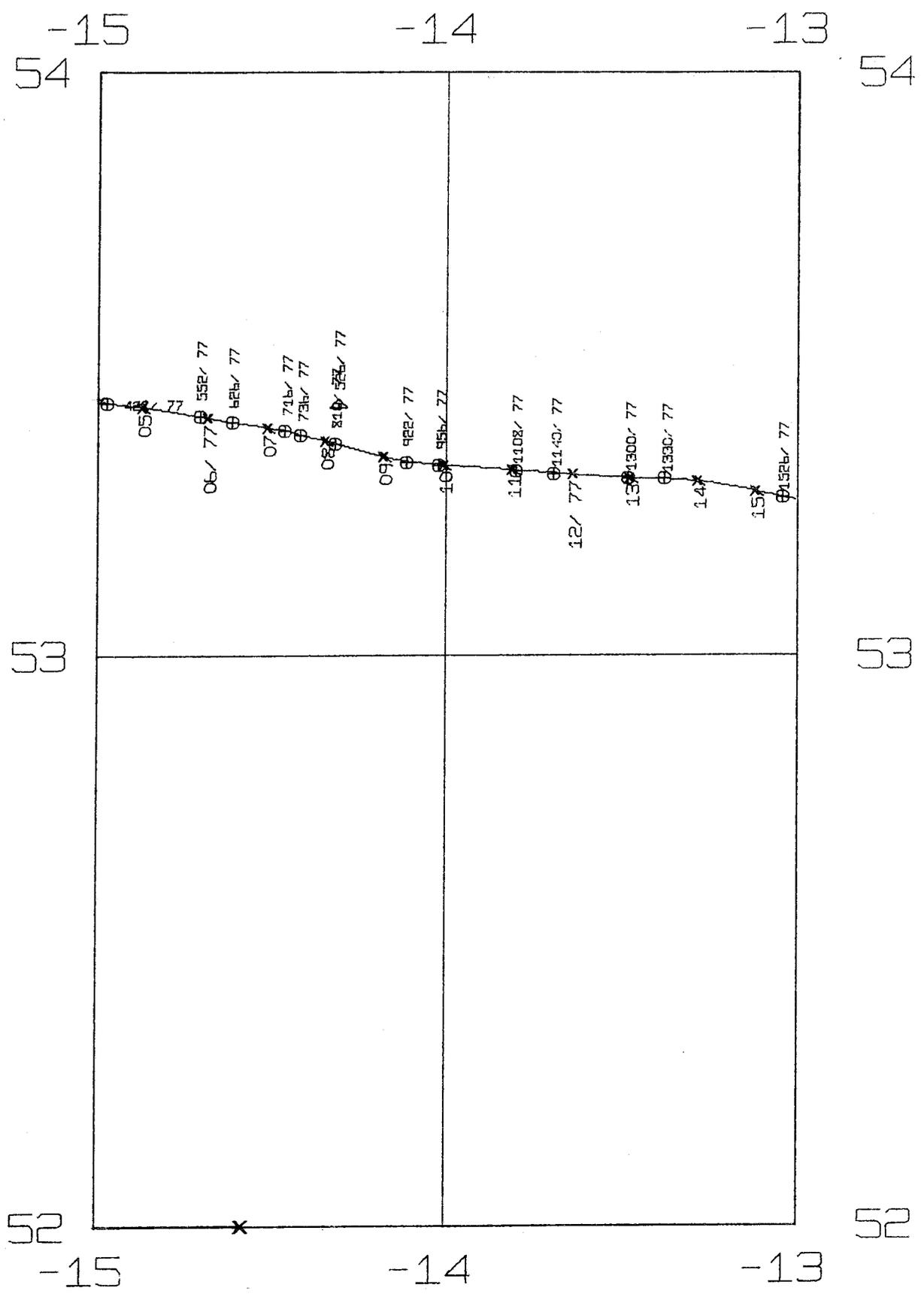


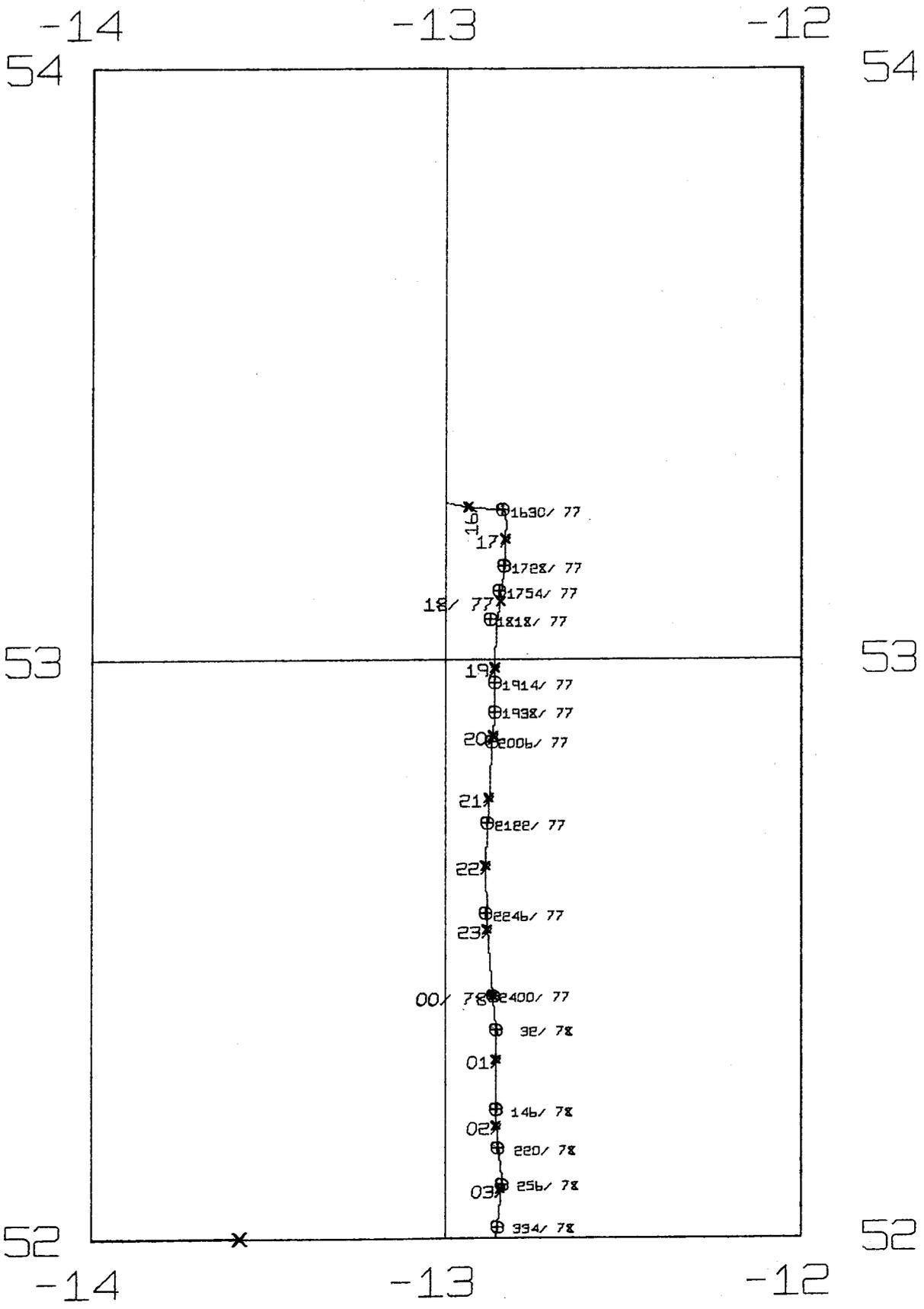


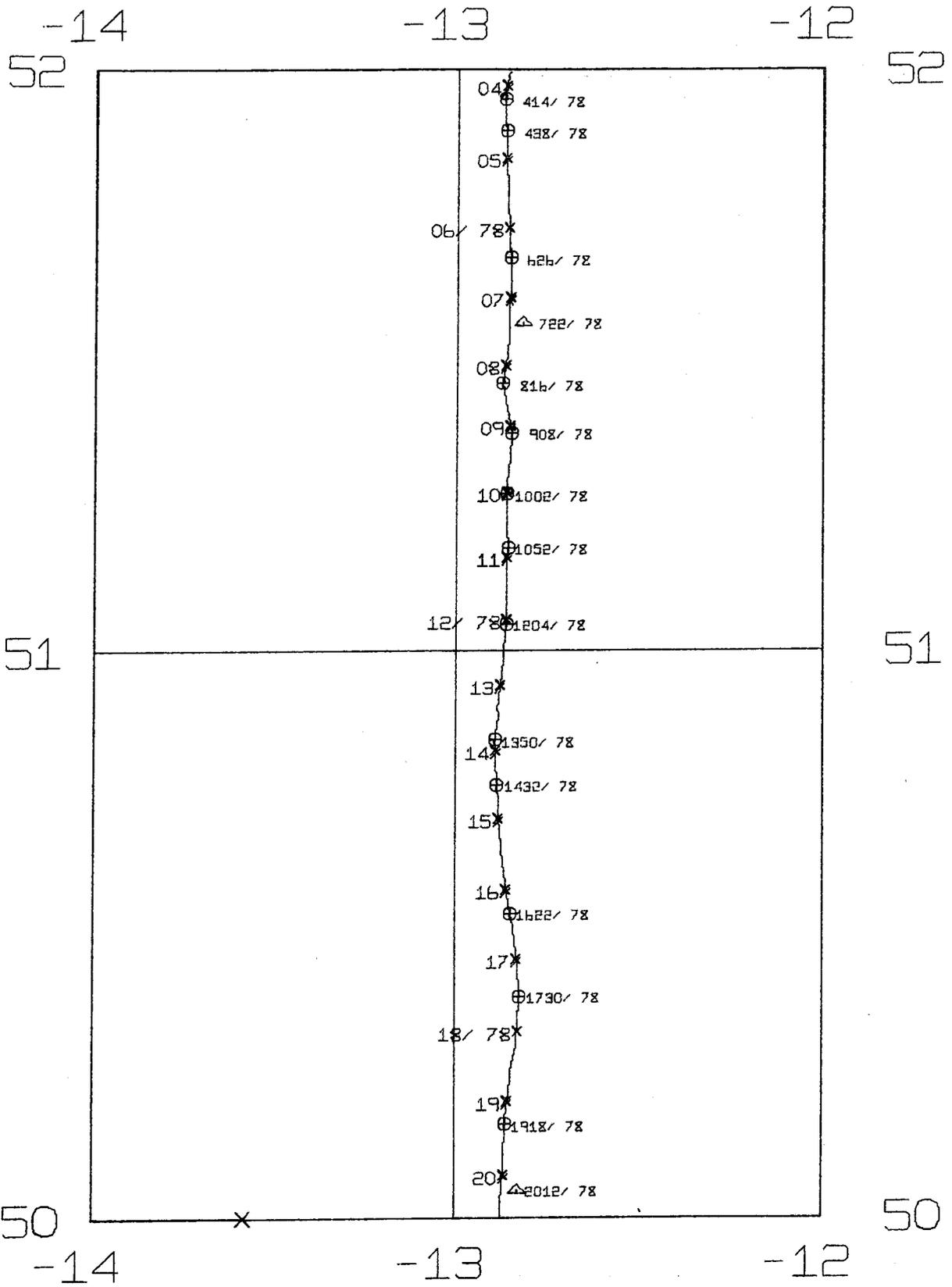


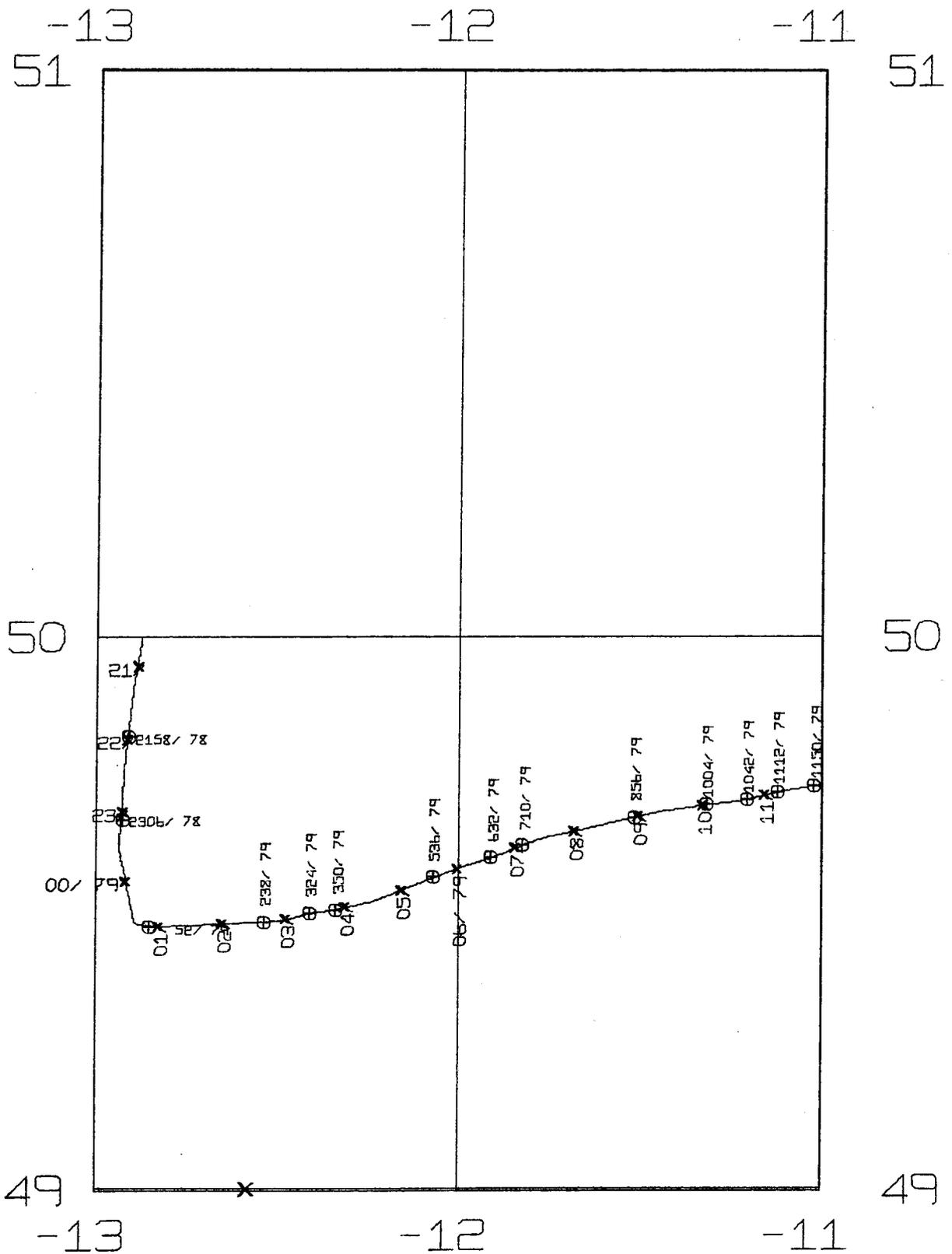


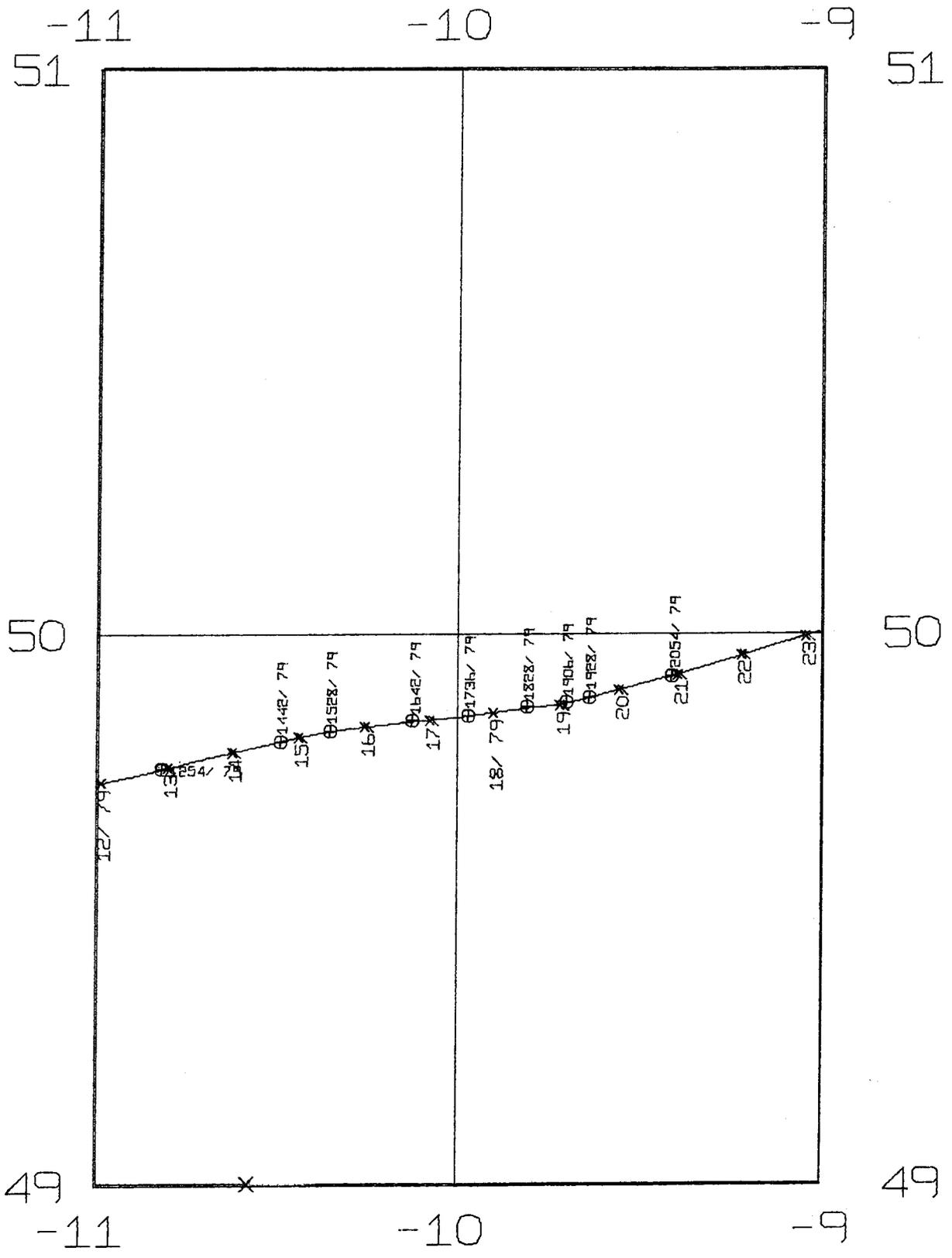


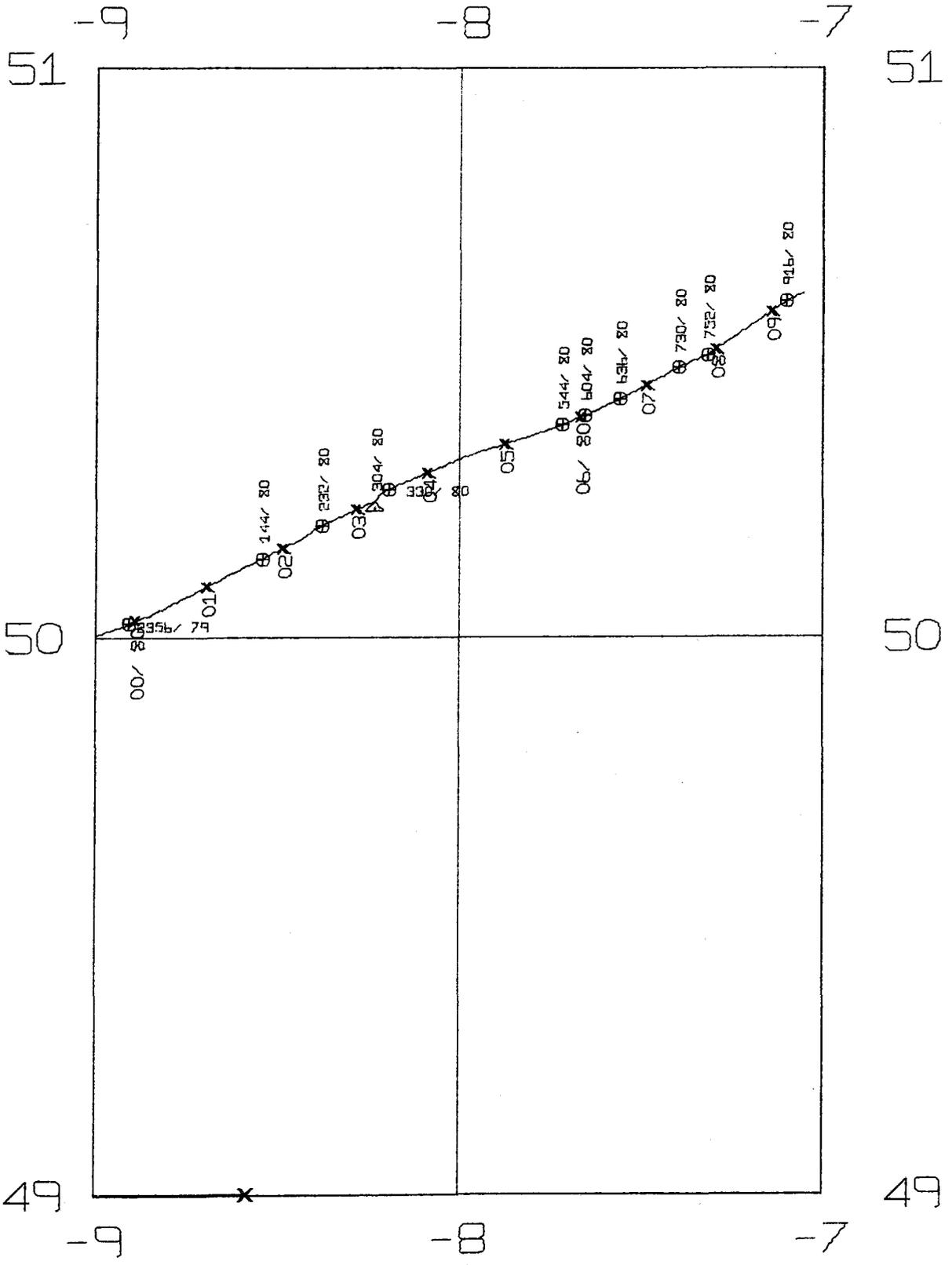












SECTION C

Total Magnetic Field

Uncorrected Depth (Fathoms)

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 4- 3-1974
(DAY NO 63)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21	48388	48420	48448	48466*20	48454*28	48460	48428*40	48430	48360	48402*58
22	48416	48424	48442	48458	48466*26	48474	48486*40	48486*46	48472	48418*58
23	48466	48456	48446	48432*22	48422*28	48426	48416	48408	48388	48364

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 5- 3-1974
(DAY NO 64)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	48338	48304	48274	48244	48210	48178	48150	48118*46	48108	48100*56
1	48088	48064*10	48066	48056*20	48058	48066	48096*40	48094	48106	48116
2	48132	48148	48168*14	48180	48204	48230	48254	48278	48302	48320
3	48338	48354*10	48354*16	48352	48342	48328	48312	48300	48280	48268
4	48254	48242*10	48236	48212*22	48212*28	48208	48216	48232	48254	48278
5	48306	48342	48372	48432*20	48424	48438	48448	48452	48446	48434
6	48400	48370	48346	48342*20	48312	48308	48300	48292*46	48284*52	48286
7	48282	48280	48282	48288	48302*26	48306*32	48304	48300	48290	48278
8	48270	48264	48264	48270	48278	48286	48284	48284	48282	48276
9	48266	48260	48254	48246	48242	48234*32	48224	48220	48206	48194
10	48182	48168	48158	48146	48142	48136*34	48134	48130	48128	48126
11	48124	48118*8	48120*16	48120*22	48116	48122*32	48118*38	48124	48132	48144
12	48154	48162	48166	48170*20	48170*28	48168	48168	48160	48152	48144
13	48128	48114	48106	48102	48098	48100*32	48102*38	48106	48110	48122
14	48130	48140	48148	48150	48162*28	48160	48166*38	48166	48162*52	48158
15	48146	48132	48110	48090	48070*28	48070*32	48074	48088	48114	48130
16	48144	48146	48140	48122	48100	48076	48060	48042	48034	48024
17	48014	48006	48000	47996	47996	47994	47994	47990	47994	48002
18	48006	48012	48026	48042	48054	48054	48056	48050	48042	48028
19	48000	47976	47956	47972	47992	48002	48006	48006	48020	48048
20	48082	48114	48122	48158	48188	48220	48260	48312	48342*50	48336
21	48310	48268	48226	48178	48140	48094	48072	48056	48042	48044
22	48056	48066	48082	48102	48130	48164	48200	48228	48242	48246
23	48244	48244	48238	48230	48206	48174	48144	48112	48080	48060

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 6- 3-1974
(DAY NO 65)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	48034	48032*8	48036	48056	48078	48106	48132	48204	48272	48392
1	48472	48492	48458	48374	48308	48270	48252	48236	48224*50	48210
2	48210	48212	48230*14	48236	48234	48218	48264*38	48284	48350	48368
3	48358	48336	48320*14	48322*20	48328	48354*34	48358*38	48354	48342	48336*56
4	48338*2	48338	48340	48328*22	48332	48326	48334	48342	48352	48362*56
5	48380*2	48380*10	48378	48392	48402	48418	48436	48454	48476	48496
6	48512*2	48518*8	48520	48540*20	48548	48568	48600	48640	48676*52	48672
7	48654	48628	48592	48558	48522	48484	48450	48414	48386	48372
8	48384	48424	48478	48532	48584	48616	48642	48658*44	48660	48668*56
9	48662	48478	48730	48738	48754	48766	48782	48710	48706	48706
10	48716	48718	48730	48738	48754	48766	48782	48798*44	48806	48836
11	48886*4	48878	48894	48904*22	48902	48966	48884	48868	48850	48830
12	48802	48778	48766	48762	48770	48784	48824	48824	48852	48878
13	48894	48904*8	48894	48874*20	48856*28	48848*32	48858	48872	48898	48918
14	48948*4	48946	48938	48910	48882	48858	48842	48818	48806	48798*58
15	48792	48780	48768	48748	48730	48716*32	48718*40	48716	48732	48758
16	48788	48826	48970	48908	48940					48996
17	49002	48996	48980	48964	48952	48946	48944	48952	48956*52	48944
18	48922	48890	48858	48824	48802	48804	48816*40	48814	48818	48842
19	48820	48818	48812	48802	48802	48796	48786	48780	48774	48772
20	48762	48748	48730	48716	48694	48684	48680	48684	48700	48722
21	48744	48780*8	48768	48756	48740	48724	48706	48690	48686	48688
22	48698	48714	48730	48746	48754	48756	48754	48748	48740	48730
23	48722	48720*10	48712	48718	48722	48728	48734	48744	48748	48758

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 7- 3-1974
(DAY NO 66)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	48770	48778* 8	48778	48778*20	48774	48768	48748	48732	48718	48696
1	48678	48668	48658*16	48652	48648	48646	48648*40	48644	48658* 50	48664
2	48680	48666	48656	48654*20	48636	48628	48622*38	48618	48628	48628
3	48634	48622	48616	48612	48610*26	48610	48612	48620	48632	48650
4	48666	48694	48732	48770	48812	48834	48866	48886	48890	48884
5	48870	48846	48826	48808	48796*28	48794	48798	48810	48820	48830
6	48834	48838	48850	48864	48876	48872*34	48876	48852	48822	48800
7	48778	48758	48740	48730	48726*26	48726	48736	48750	48770	48792
8	48806	48828	48836	48852	48882	48900	48914	48926	48928	48936
9	48940	48948	48950	48946	48936	48918	48894	48870	48836	48808
10	48786	48760	48736	48718	48700	48682	48660	48650	48628* 52	48630
11	48618	48612	48606*14	48596*22	48598	48586	48580	48568	48556	48536
12	48516	48496	48474	48450	48426*28	48408	48392	48372*46	48376	48364*56
13	48368	48358	48348*14	48350*22	48348	48352	48380	48404	48424	48442
14	48462	48474	48512*16	48516	48526	48542	48554*38	48554	48564* 50	48574
15	48580	48586	48596	48614*22	48624*28	48622	48636*38	48640*44	48640	48648*58
16	48650* 2	48652	48660	48674	48696	48730	48766	48808	48854	48904
17	48966	49034	49106	49172	49204	49206	49188	49152	49126	49116
18	49126	49142	49168	49198	49228	49258	49274	49276	49252	49218
19	49148	49064	48978	48906	48850	48828	48826	48848	48870	48898
20	48914	48922	48912	48892	48864	48838	48824	48812	48806	48814
21	48824	48848	48870*14	48916	48954	48986	49024	49064	49110	49148
22	49196	49252	49316	49390	49448	49484	49496	49478	49436	49396
23	49358	49330	49300	49260	49232	49212	49198	49188	49176	49158

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 8- 3-1974
(DAY NO 67)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	49154	49142	49138	49132	49132	49134*32	49138	49146*46	49144	49158
1	49168	49182* 8	49182*14	49178	49162	49144	49120*40	49092*46	49094	49070
2	49056* 2	49054	49052	49062*22	49060	49072*34	49070	49074*44	49082	49082
3	49084	49088*10	49086	49092	49100* 26	49102	49118	49134*44	49134	49146
4	49146* 2	49142*10	49142*14	49138*20	49134	49132	49130*38	49134	49132	49140
5	49148	49168	49186	49204	49222*26	49222*34	49226	49216*46	49218	49208
6	49194	49186	49170	49154	49138	49118	49106	49098	49090	49078*58
7	49072	49058	49052	49046	49038	49028	49014*40	49016*46	49006	49016*58
8	49018* 2	49026	49038	49046	49060	49070	49084*40	49076*46	49074	49060
9	49040	49014	48988	48958	48928	48910	48890	48886	48870	48846
10	48838	48828	48816	48806	48802	48788*34	48782	48768*46	48770	48762*58
11	48766	48766	48770*14	48772	48768	48780	48786	48788	48794* 50	48796*58
12	48794	48788	48784*14	48778	48774	48772	48768*38	48780	48780	48786
13	48806	48824*10	48822	48830	48840	48842	48858*40	48854	48860	48864
14	48878	48886* 8	48894	48898	48908	48922*32	48926	48936*46	48936* 50	48926*58
15	48928	48914	48922	48948	48966	49002*34	48998	49030	49044	49054
16	49056	49056* 8	49056*14	49054*22	49052	49044	49034	49014	49010	48986
17	48984	48976	48962	48954	48940	48932	48912	48902	48898	48896
18	48902	48914	48940	48968	48986*26	49030	49066	49098	49132	49170
19	49206	49240	49280	49314	49340	49350	49334	49296	49246	49192
20	49146	49114	49098	49092	49100	49114	49122	49136	49134	49132
21	49116	49100	49082	49070	49056	49044	49036	49028	49018	49012*58
22	49006	49010	49000	49002	49000	49004	49008	49012	49028	49034
23	49034	49014	48990	48978	48974	48962	48948	48930	48910	48902

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 9- 3-1974
(DAY NO 68)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	48898* 2	48880*10	48904*16	48896	48910	48932	48952	48974	48988	49000
1	49008	49020* 8	49022	49036	49034*26	49046*34	49044	49048*46	49046	49042*58
2	49036	49024*10	49018	49006	49002	48996	48990	48988	48986	49000
3	49018	49034* 8	49048	49054	49060*28	49064	49080	49090	49104	49114
4	49132	49154	49178	49204	49244	49302	49380	49456	49500	49540
5	49522	49486	49448	49422*20	49436*28	49430*34	49426	49424*44	49428	49430
6	49420	49412* 8	49374	49346	49318	49292	49280	49276	49282	49296
7	49316	49348	49374	49396	49410	49418	49416	49414	49408	49398
8	49396	49390	49394	49400	49412	49428	49446	49466	49486	49510
9	49530	49544	49560	49576	49592	49612	49632	49644	49658	49672*58
10	49678* 4	49676	49680	49684	49678*28	49676	49664	49664	49622	49598
11	49568	49532	49490	49454	49424	49408	49394	49368	49342	49314
12	49286	49262	49244	49230	49220	49208	49186	49170	49152	49126
13	49114	49092	49078	49056	49038	49014	48990	48966	48956	48922*58
14	48924	48916	48902	48882*22	48884	48876	48864	48876*44	48872	48864
15	48862	48858* 8	48854	48850*22	48854	48862	48864	48872	48878* 50	48880
16	48880* 2	48886* 8	48884	48884	48876	48872	48866	48860	48862* 50	48858
17	48856	48854	48834	48824	48816	48814	48818	48810	48810	48812
18	48832	48842	48854	48860	48860	48866	48864	48878*46	48876	48890
19	48918	48936	48942*14	48940	48938	48930*34	48928	48928	48930	48930
20	48932	48936	48942	48948	48950	48962	48972	48982	48992	49006
21	49026	49030*10	49026	49018	48998	48972	48940	48908	48876	48844
22	48816	48796	48786	48784	48774	48768	48758	48766	48774	48772
23	48786	48784	48784	48780	48772	48772	48774	48780	48794	48812

RRS DISCOVERY CRUISE NUMRFR 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 10- 3-1974
(DAY NO 69)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	48830	48842	48860	48874	48896	48918	48948	48990*46	48988	48998*58
1	49002	49002	48994	48976	48954	48922	48896	48878	48860	48840
2	48842* 2	48794*10	48790*14	48798	48836	48920	49030	49198	49370	49396*58
3	50348	49286	49188	49110	49042	48986	48922	48844	48780	48734
4	48692	48654	48630	48622	48626	48650	48740	48826	48958	49072
5	49146				49148	49136	49152	49186	49220	49264
6	49294	49322	49344	49360	49380*26	49376*34	49380*40	49370*46	49364	49348
7	49324	49306	49284	49266	49252*28	49246*32	49226*38	49242*46	49242*50	49244
8	49250	49254	49264	49274	49286	49304	49324	49354*46	49352	49370
9	49390* 4	49396* 8	49396	49414*20	49426*26	49430	49438	49454	49462*52	49470*56
10	49462* 2	49472	49464*14	49470	49462	49448	49438	49418	49394	49380
11	49368	49360	49380	49390	49392*26	49396*32	49402	49394	49392	49392*58
12	49384	49392* 8	49392	49404	49420	49446	49456	49456	49446	49432
13	49412	49392*10	49384*16	49386*20	49390	49418*34	49416	49430	49450*50	49464
14	49476	49490	49508*16	49506	49510	49512	49516*40	49522	49528	49532
15	49542	49556*10	49562*14	49564*20	49560	49566	49562*40	49564	49554*50	49552*58
16	49546	49540	49548*16	49546	49552	49552	49558	49554	49540	49534
17	49514	49496* 8	49486	49476	49462*28	49452	49444	49426	49424	49420
18	49408	49394	49386	49374	49372	49362	49362	49364	49364	49364
19	49378	49378	49382	49378	49368	49356	49360*40	49356	49354	49340
20	49352	49360	49366	49370	49372	49388	49398	49396	49400	49418
21	49428	49438	49458	49480*22	49478	49478	49470	49482	49492	49510
22	49508	49508	49516	49516*20	49516	49516	49510	49504	49494	49488
23	49490	49496	49508	49532	49560	49586	49612	49622	49632	49636

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 11- 3-1974
(DAY NO 70)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	49630* 4	49628	49622	49630*22	49628	49634	49640	49636	49632*50	49630
1	49622* 4	49624* 8	49624	49636	49654*26	49650	49640*40	49636	49624	49610
2	49592	49576*10	49564	49540	49528	49514	49514	49514	49524* 50	49524
3	49530	49526	49534	49544	49554	49572*34	49568	49550	49530	49496*58
4	49490	49498	49510	49528	49566	49594	49620	49634	49652	49676
5	49700	49718	49736	49746	49766	49790	49814	49932	49860	49888
6	49920	49956	49990	50014	50038	50054	50076*38	50076	50082	50086
7	50098	50110	50108*16	50106	50094	50066	50040	50022	49998	49976
8	49954	49928	49918	49918	49914	49908	49914*40	49912*44	49908	49898
9	49882* 2	49882	49810	49736	49694*26	49732	49844	49944	49998	49986
10	49914	49818	49708	49546	49398	49254*34	49258	49322	49414	49526
11	49612	49676	49744	49858	49948	49982	49998*38	49982	49940*50	49962
12	50044	50134	50212	50262*20	50252*26	50264	50258	50218	50158	50118
13	50050	49932	49828*14	49838	49866	49958	50124	50296	50334*50	50318*56
14	50342	50392	50426	50394	50362	50326*32	50342	50332	50266	50210
15	50164	50084	50056	50048	50006	50134	50200*40	50198	50162	50128
16	50416	50416	50772	50838	50866	50836	50760	50652	50554	50516
17	50536	50562	50560	50584	50588	50534	50508	50492	50504	50506
18	50488	50470*10	50468	50472	50484	50514	50554	50582	50406*52	50418
19	50670	50682	50686	50644	50560	50500	50472	50444	50444	50448
20	50386	50394	50416	50450	50482	50482	50474	50458	50508	50516
21	50462	50460	50450	50452	50472	50486	50526*38	50524	50568	50554
22	50548	50562	50540	50508	50508	50530	50560	50560	50618	50636
23	50536	50524	50522	50530	50546	50550	50568	50598		

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 12- 3-1974
(DAY NO 71)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	50668* 4	50668* 8	50646	50604	50550	50516	50458*40	50460	50468	50480
1	50490* 2	50484* 8	50492	50486*20	50476	50434	50388	50342*46	50346	50380
2	50412	50420	50406	50386	50348	50322	50264	50216*46	50218	50208
3	50198* 4	50206* 8	50204	50210	50210	50208	50208	50208*44	50208	50202
4	50194* 4	50196	50204	50206*22	50196*28	50198*34	50188	50186	50128	50096
5	50070	50066	50084	50102	50112*26	50106	50080	50042	50002	49962
6	49938	49920	49910*16	49912	49920	49938	49960	49990*46	49980	49944
7	49904	49868	49852	49880*22	49872	49946	49990*40	49988	49980*52	49978
8	50008	50054	50122	50218	50312	50370	50394	50396	50372*52	50376
9	50356* 4	50354	50378	50398*22	50394	50366	50328	50300	50280*50	50286
10	50306	50326	50338	50334	50324	50312	50294	50284	50276	50266
11	50270	50282	50322	50352	50376*26	50368	50336	50320	50340	50418
12	50504	50434	50398	50708	50710	50702	50710	50734*44	50724	50694
13	50680	50728	50682	50854	50906	50924	50912*38	50818	50696	50584
14	50498	50426	50398	50334	50306	50288	50286	50286	50244	50242*58
15	50528* 4	50240	50226	50234	50258	50264	50246	50242	50274	50398
16	50528* 4	50594*10	50592	50608	50646	50704	50748	50808	50808	50852
17	50912	50972	51000	50996	50968	50930	50876	50808	50724	50638
18	50578	50472	50410	50372	50366	50382	50402	50428	50464	50514
19	50568	50606	50642	50682	50724	50758	50772	50760	50716	50644
20	50558	50446	50344	50258	50200	50164	50142	50136	50142	50164
21	50172	50228	50282	50334	50392	50454	50480	50480	50476*50	50470
22	50468	50464	50454	50452	50420	50402	50380	50364	50352	50346
23	50350	50368	50390	50424	50438	50526	50592	50660	50730	50780

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 13- 3-1974
(DAY NO 72)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	50822	50848* 8	50868*14	50886	50896*26	50892	50876	50856	50830	50790
1	50736	50672	50606	50544	50484	50430	50376	50338	50304	50272
2	50240	50208	50180	50154	50134	50112	50096	50080	50062	50046
3	50036	50024	50018	50018	50030	50052	50070	50098	50120	50146
4	50168	50182	50210	50234	50258	50276	50286	50280	50266	50238
5	50194	50146	50118	50114	50130*26	50136	50154	50184	50242	50292
6	50320	50342	50364	50406	50458	50506	50536	50546	50554	50548
7	50512	50432	50292	50096	49984	50020	50124	50220	50282	50322
8	50346	50360	50366	50350	50326	50294	50268	50240	50222	50202
9	50172	50152	50104	50068	50034	50000	49964*40	49968	49982	50014
10	50058	50098	50130	50154	50186	50214	50246	50266	50282	50292
11	50298	50298	50304	50310	50330	50350	50360	50348	50314	50260
12	50194	50132	50082	50050	50032	50008	49976	49928*46	49932	49960
13	50008	50050	50086	50102	50120	50138	50156	50172*46	50170	50164
14	50162	50154	50152*14	50158	50160	50166	50174*38	50186	50192	50186
15	50172* 4	50160	50126	50104	50080	50062	50054*40	50052	50054	50058
16	50048	50032	50016	50004	49998	50016	50036	50070	50094	50106
17	50108	50098	50090	50072	49988	49980	49990	49952	49934	49924
18	49912	49904	49898	49888	49880	49880	49882	49898	49912	49934
19	49948	49958	49970	49888	49880	49900*32	49978	49958	49932	49914
20	49912	49914	49926	49938	49944	49944	49934	49924	49912	49910
21	49908	49906	49902	49884	49884	49834	49804	49782	49758	49744
22	49732	49712	49684	49658	49630	49598	49566	49542	49520	49500
23	49478	49458*10	49450	49448	49444	49440*34	49434	49440*44	49438*50	49448

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 14- 3-1974
(DAY NO 73)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	49460	49478	49492*14	49524	49544*26	49544	49566	49590	49616	49644
1	49666	49688	49706*16	49706*20	49702	49686	49660	49624	49592	49566
2	49550* 4	49546	49552*16	49556*22	49552	49560*32	49556	49558	49556*50	49548
3	49566	49574	49574	49570	49556	49540	49524*38	49528	49530	49520
4	49550* 2	49562	49574	49582	49598	49606	49610*38	49616	49612	49596
5	49580	49554	49522	49500*20	49456	49440	49432	49432	49426	49416
6	49398	49392* 8	49370	49348	49326	49296	49262	49222	49188	49154
7	49136	49118	49110	49110	49116	49144	49176	49224	49274	49336
8	49404	49482	49556	49632	49710	49782	49842	49914	49980	50036
9	50092	50136	50214	50294	50388	50460	50506	50606	50686	50706
10	50566	50476	50402	50364	50342	50296	50194	50064	49936	49806
11	49672	49592	49554	49508*22	49512*26	49514	49530	49586	49616	49686
12	49746	49822	49940	50042	50092	50148	50244	50330	50426	50478
13	50532	50556	50566	50516	50482	50442	50408	50378	50340	50258
14	50140	50060	50030	49974	49896	49852	49774	49690	49636	49584
15	49536	49502	49462*16	49468	49466	49484*32	49484	49504	49530	49566
16	49592	49512* 8	49606	49610	49620	49642*32	49644*40	49632*46	49634	49646
17	49686	49764	49842	49888	49914	49934	49936	50008	50100	50122
18	50150	50122	50122	50190	50196	50190	50164	50130	50102	50084
19	50088	50120	50156	50194	50250	50296	50314	50286	50226	50144
20	50074	50024	49998	50014	50062	50132	50204	50272	50334	50372
21	50294	50408	50416	50418	50418	50402	50382	50350	50304	50248
22	50204	50172* 8	50124	50092	50070	50054	50046	50028	50012	49990
23	49968	49948	49932	49910	49894	49872	49854	49838	49820	49810

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 15- 3-1974
(DAY NO 74)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	49804	49812	49836*14	49858	49886	49902	49884	49838	49758	49672
1	49580	49490	49388*16	49402	49346	49334*32	49334	49348	49364	49384
2	49400* 2	49408	49410*14	49418	49420	49426	49434*40	49433*44	49432	49430
3	49434	49442*10	49444*14	49442	49444*28	49424	49410	49388	49372	49358
4	49346	49340	49338	49336	49338	49342	49352	49380*46	49372	49404
5	49424	49442	49458	49468	49488	49502*32	49496	49482	49470	49462
6	49458	49460	49468	49478	49490	49504	49518	49528	49536	49550
7	49564	49584	49610*16	49602	49590	49576	49560	49538	49510	49478
8	49444	49418	49396	49378	49360	49340	49320	49302	49288	49284*56
9	49286	49294*10	49292	49300	49308	49270				
10										
11										
12										
13										
14										
15										
16									50254	49266
17	49264	49276	50286	49342	49384	49432	49484	49538	49596	49664
18	49720	49758	49756	49728	49696	49660	49634	49618	49618	49628
19	49642* 2	49654	49674*16	49672	49678	49680	49688	49702	49718	49754
20	49786	49822	49856	49882	49896*26	49888	49876	49848	49814	49786
21	49762* 4	49758* 8	49768	49786	49800	49822	49896	50006	50110	50192*58
22	50190	50126	50016	49904	49810	49740	49686	49638	49582	49504
23	49426	49390	49388	49390*22	49386	49368	49344	49318	49294	49276

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 16- 3-1974
(DAY NO 75)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	49260	49242	49220	49206*20	49214	49240	49290	49348	49404	49422*58
1	49408	49334	49290	49274	49266*28	49262*32	49260	49266	49270*50	49268
2	49262	49248	49220	49188	49160	49132	49110	49102	49096*52	49100*56
3	49096	49108	49114	49130	49158*26	49162	49202	49248	49300	49356
4	49406	49446	49480	49506	49524	49548	49576	49614	49656	49684
5	49694	49686	49662	49640	49626	49618	49608*40	49616*46	49614	49614
6	49596	49570	49542	49512	49488	49468*34	49464*40	49462	49454	49436
7	49414	49382	49356	49326	49302	49280	49262	49246	49224	49212
8	49202	49196	49192	49192	49192	49190	49198	49210	49222	49234
9	49258	49276	49300	49322	49346	49368	49382	49392	49398	49406
10	49412	49420	49422	49422	49430*26	49432	49436*38	49438	49440*50	49434
11	49424	49412* 8	49372	49334	49298	49266	49224	49176	50132*52	49094
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 17- 3-1974
(DAY NO 76)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11	49322	49358*10	49354	49334	49296	49130	49178	49222	49260	49294
12	49078	49046	49018	48996	48974	49270	49234	49194	49146	49104
13	48916	48892*10	48894	48880	48870	48960	48948*38	48932*44	48938*52	48928
14	48860*2	48866*8	48866	48874	48882	48860*34	48856*38	48856*44	48856	48854
15	48990	49006	49022	49036*20	49034*26	48896	48916	48928	48952	48968
16	49100	49082	49066	49050	49030*28	49034*32	49034	49040	49060	49084
17	49136	49158*10	49162*14	49160	49152	49052	49052	49080	49106	49126
18	49106	49096*10	49088*16	49094	49096	49140	49128	49116	49116	49108
19	49000	48968	48940	48994	48996	49106	49108*38	49096	49070	49034
20	48846	48850	48852	48858	48890	48868	48860	48852*44	48848*50	48844
21	49064	49100	49116	48858	48870	48890	48914	48952	48988	49024
22	49064	49034	49018	49010	49130	49128	49120	49118	49100	49078
23					49000	48994	48990	48988	48994	49022*58

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 18- 3-1974
(DAY NO 77)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	49014	49058	49078	49090	49096	49092	49080	49070	49060	49050
1	49034	49016	48988*16	48990	48976	48970*32	48968	48966	48960	48954*58
2	48944	48922	48906	48892*22	48888	48888	48902*40	48898	48892	48892
3	48942	48938	48904*16	48882*22	48886	48884	48898	48920	48930	48936*56
4	48942	48958*8	48970	48966*22	48960	48944	48920	48892	48864*52	48860*58
5	48866	48874	48898	48914	48930*28	48918*34	48920	48906	48936	48958
6	48940	48920	48860	48834	48810	48790	48768	48776*46	48752	48746
7	48746*2	48764*10	48758	48738*20	48738*26	48736	48724	48714*44	48712*52	48716
8	48704	48696	48688	48678	48674	48676	48684*40	48686	48712*52	48708
9	48732	48766*10	48772*14	48766	48762	48760*34	48764	48766	48772	48792
10	48818	48874	48896	48940	49026	49060	49158	49242	49320	
11		49334	49286	49214	49152	49092	49048*38	48990	48944	48882
12	48836	48794*8	48798	48784	48778	48768*34	48770	48766	48760*50	48736
13	48686	48632	48618	48654	48744	48838	48894*38	48974	48790	48716
14	48672	48640	48600	48566*22	48562	48556	48544	48542	48528*52	48536*58
15	48532	48540	48570*14	48580	48580	48604	48634	48666	48688	48704
16	48716	48722	48728	48734	48732	48738	48760	48788	48802	48842
17	48874	48882	48888	48894	48920	48932	48918	48978	48840	48856
18	48844	48810	48788	48778	48768	48770	48770	48774	48774	48772
19	48764	48752	48744	48738	48726	48718	48706	48696	48684	48674
20	48658	48638	48626*14	48610	48596	48582	48570	48554	48540	48530
21	48516	48508	48502	48492	48496	48486	48478*38	48484	48484	48480
22	48502	48482	48480	48480	48482	48484	48484	48486	48480	48482
23	48478	48474	48470	48468	48466	48454	48452	48450*44	48450	48430

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 19- 3-1974
(DAY NO 78)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	48422*4	48416	48394*16	48396	48386*28	48382	48374*38	48368	48354*50	48358
1	48344	48334	48322	48320	48306	48296	48290	48282	48276	48268
2	48260	48258	48246*14	48234*22	48236*28	48224*34	48224*38	48212*46	48214	48208*56
3	48206*2	48200*8	48196*16	48192	48190	48188*32	48178	48178*44	48172	48172
4	48164	48160*10	48156	48152	48148*26	48136*34	48134*38	48138	48152*52	48124*58
5	48124*4	48120*8	48122	48110*22	48110*26	48100*34	48098*40	48096*46	48062*52	48052
6	48086*2	48118*10	48074	48080*20	48080	48070*34	48068	48062*44	48038	48032
7	48050*2	48072*8	48052	48048	48044	48046*34	48040*40	48038	48038	48028*58
8	48050*2	48030	48028	48030	48026	48028	48022	48024	48028	48018
9	48024*2	48030*8	48024	48024	48016	48024	48022	48022	48016	48018
10	48014	48016	48008	48004	48004	47998	47998	47996	47998	47986
11	47972*4	47974	47968	47962*20	47960	47956	47950*38	47954	47952*52	47948*56
12	47944	47942*10	47944	47946*22	47942	47938	47934*40	47938*44	47934	47930*56
13	47928	47920	47920	47916*20	47910*26	47910*32	47904*38	47900*44	47904*50	47908
14	47888*4	47894	47894	47890	47892*28	47888	47894*40	47900*44	47904*50	47908
15	47916	47928	47938	47946	47962*28	47960*34	47954	47954	47942	47930
16	47922	47916*8	47916	47916*22	47922*26	47920	47928	47934	47932	47930
17	47932	47926	47924	47916	47908	47900	47894	47894	47888	47874
18	47856	47842	47818*16	47820	47806	47800	47788	47782	47770	47768
19	47762	47762	47762	47758	47756	47750	47744	47738	47724	47718
20	47710*2	47764	47686	47688	47680	47682	47678	47680*44	47676	47674
21	47664	47648	47640	47626	47618	47608	47594	47590	47586	47580
22	47578	47576	47576	47574	47572	47564	47558	47556	47554	47552
23	47548	47548	47550	47554	47556	47554	47558	47550	47538	47530

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 20- 3-1974
(DAY NO 79)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	47520	47510* 8	47498	47492*20	47494	47488	47486*40	47480	47486* 52	47484
1	47488	47490	47498*14	47504	47506	47516	47508	47512	47506	47498*56
2	47492* 2	47488	47484	47480	47488*28	47488*32	47485	47492	47504*50	47502
3	47516* 4	47512	47522*16	47526*20	47522*28	47526*34	47522	47524	47518	47510
4	47506* 4	47498*10	47496	47494*20	47488	47490*34	47486	47490*46	47486	47486*58
5	47488	47490* 8	47498	47502	47500	47502	47508	47506	47512*50	47500
6	47522* 4	47526* 8	47526*14	47526*22	47522	47526*34	47528*40	47526*44	47530*52	47528*56
7	47534* 2	47528* 8	47534	47532	47526	47530*34	47528	47534	47532	47540
8	47548	47554	47564	47578	47590	47602	47618	47632*44	47642	47656
9	47666	47688	47698	47706	47696	47680	47672	47662	47646	47632
10	47618	47602	47574	47554	47534	47540	47544	47538	47536	47526
11	47492	47476	47472	47476*22	47472	47478*34	47474	47478	47478	47488*58
12	47486	47496	47502	47504	47510	47524*34	47520*38	47532	47542	47544
13	47552	47558	47562*14	47572	47578*26	47584	47590	47600*46	47596	47600
14	47610* 2	47604	47608*16	47604	47602	47596	47592	47586	47578*52	47574
15	47570	47566	47558	47552	47544*28	47542*34	47546*38	47544	47548	47552
16	47554	47554	47552	47546	47542*26	47540*34	47536	47532	47534	47532
17	47532	47534	47532	47528	47526	47524	47524	47526	47524	47526
18	47522	47524	47518	47516	47518	47514	47514	47516	47514	47514
19	47510	47522* 8	47522	47518	47516	47548*34	47532	47532	47524	47530
20	47544	47548	47546	47540	47538	47540	47534	47532	47522	47522
21	47524	47516	47522	47524*22	47522	47518	47526	47556	47568	47528
22	47498	47494*10	47490	47486	47494	47504	47498	47488	47484	47494
23	47500	47498	47502	47500	47500*28	47498	47500	47494*46	47496	47492

RRS DISCOVERY CRUISE NUMBER 60
TOTAL MAGNETIC FIELD IN GAMMAS

DATE 21- 3-1974
(DAY NO 80)

HOURS	MINUTES										
	00	06	12	18	24	30	36	42	48	54	
0	47496	47498	47498	47504	47504	47500	47508	47508*40	47508*44	47498	47502
1	47498	47500	47502	47504	47500	47508	47506	47506*44	47502	47504	47504
2	47508	47510* 8	47516	47518	47520	47522	47522	47524	47522	47526	47526
3	47532	47534	47540	47548*22	47546	47542	47538	47534	47524	47518	47518
4	47516	47518	47524	47522	47534	47540	47540	47534	47534	47532	47532
5	47536	47534	47532	47538	47544	47546	47556	47558	47558	47564	47564
6	47566	47566	47566	47564	47568	47570	47574	47572	47570	47572	47572
7	47574	47576	47578	47580	47582	47582	47584	47588	47590	47592	47592
8	47588	47590	47590	47588	47588	47590	47594	47596	47606	47610*56	47610*56
9	47614* 2	47612*10	47614	47616*20	47618	47620	47620	47618*46	47616	47612	47612
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 28- 2-1974
 (DAY NO 59)

HOURS	00	06	12	18	24	30	36	42	48	54
0	154	166	181	196	212	229	244	261	273	285
1	298	314		348	367	382	402	420	440	460
2	483	502		543	593	645	674	726	784	794
3	838		950	863		904	878	897	978	1000
4	946	948	970	982	1006	1014	1038	1088	1094	1070
5	1072	1100	1069	1070	1131	1086	1100	1098	1104	1111
6	1119	1127	1133	1141	1146	1153	1160	1167	1180	1192
7	1208		1180	1187	1191	1192	1194	1198	1202	1206
8	1208	1206	1206	1208	1210	1212	1213	1216	1218	1220
9	1222	1224	1226	1226	1226	1227	1229	1232	1234	1238
10	1240	1242	1246	1248	1250	1253	1256	1258	1260	1261
11	1261	1262	1266	1266	1268	1269	1270	1272	1274	1276
12	1277	1276	1278	1281	1285	1286	1289	1292	1293	1294
13	1298	1300	1301	1302	1302	1308	1313	1316	1316	1316
14	1326	1325	1327	1328	1330	1334	1337	1341	1343	1347
15	1350	1352	1352	1352	1362	1366	1372	1376	1384	1387
16	1394	1398	1396	1404	1410	1404	1410	1384	1384	1385
17	1386	1396	1408	1430	1450	1496	1528	1540	1540	1537
18	1386	1543	1518	1518	1486	1432	1446	1430	1385	1414
19	1422	1514	1552		1646	1712	1760	1804	1832	1894
20	1443	1958	1971	1976	1980	1989	1991	1991	1993	2007
21	2017	2026	2025	2026	2008	2000	2002	2006	2010	2014
22	2016	2021	2028	2034	2044	2051	2058	2064	2072	2078
23	2109	2114	2118	2124	2125	2124	2129	2131	2133	2135

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 1- 3-1974
 (DAY NO 60)

HOURS	00	06	12	18	24	30	36	42	48	54
0	2170	2178	2143	2146	2149	2153	2156	2161	2162	2165
1	2200	2203	2185	2195	2197	2196	2196	2197	2196	2198
2	2236	2203	2208	2212	2214	2214	2220	2225	2230	2235
3	2278	2242	2252	2256	2262	2265	2272	2272	2274	2276
4	2320	2276	2280	2286	2290	2294	2296	2300	2310	2316
5	2370	2326	2333	2336	2339	2341	2341	2340	2342	2344
6	2420	2380	2388	2393	2392	2394	2394	2398	2399	2395
7	2470	2404	2408	2408	2408	2411	2412	2414	2418	2420
8	2520	2428	2432	2433	2434	2436	2437	2438	2440	2443
9	2570	2448	2454	2458	2460	2464	2472	2474	2476	2475
10	2620	2480	2486	2483	2487	2489	2489	2492	2496	2496
11	2670	2500	2507	2510	2508	2506	2512	2512	2512	2512
12	2720	2512	2513	2513	2514	2514	2516	2517	2518	2520
13	2770	2524	2526	2528	2531	2532	2532	2533	2533	2535
14	2820	2536	2538	2539	2539	2539	2545	2550	2550	2552
15	2870	2556	2558	2559	2558	2560	2560	2560	2560	2561
16	2920	2561	2561	2560	2560	2560	2561	2562	2562	2561
17	2970	2560	2561	2562	2562	2562	2562	2562	2562	2561
18	3020	2562	2570	2273	2284	2438	2559	2558	2542	2514
19	3070	2534	2547	2369	2278	2283	2575	2575	2564	2560
20	3120	2558	2558	2558	2558	2558	2559	2557	2554	2552
21	3170	2540	2532	2525	2510	2514	2514	2517	2518	2500
22	3220									
23	3270									

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 2- 3-1974
 (DAY NO 61)

HOURS	00	06	12	18	24	30	36	42	48	54
0	2400	2332	2314	2268	2230	2270	2406	2412	2376	2412
1	2490	2525	2524	2524	2522	2518	2514	2508	2505	2493
2	2476	2488	2478	2454	2432	2416	2387	2382	2378	2372
3	2370	2324	2280	2260	2251	2244	2209	2212	2180	2180
4	2159	2142	2115	2105	2099	2085	2079	2078	2078	2080
5	2083	2084	2083	2077	2070	2068	2060	2056	2053	2064
6	2080	2092	2108	2111	2107	2107	2098	2091	2096	2095
7	2092	2104	2126	2136	2152	2164	2170	2177	2182	2192
8	2194	2196	2207	2231	2217	2221	2208	2203	2191	2183
9	2159	2132	2139	2138	2137	2135	2139	2147	2153	2164
10	2177	2186	2191	2199	2201	2217	2224	2232	2246	2268
11	2289	2317	2334	2339	2350	2364	2359	2360	2362	2341
12	2336	2338	2339	2343	2350	2350	2352	2351	2345	2310
13	2259	2228	2172	2115	2084	2058	2032	1976	1978	1996
14	2015	2003	2014	2006	2006	1997	1960	1909	1895	1878
15	1858	1856	1936	1859	1886	1906	1917	1917	1924	1942
16	1958	1960	1953	1940	1935	1934	1926	1944	1972	1986
17	2008	2026	2044	2050	2060	2067	2072	2076	2076	2079
18	2081	2084	2060	2060	1936	1870	1868	1834	1824	1816
19	1796	1757	1744	1750	1762	1762	1756	1768	1782	1800
20	1816	1828	1841	1868	1888	1909	1920	1934	1948	1952
21		1984		2023	2036	2052	2081	2098	2121	2135
22	2148	2156	2156	2161	2158	2154	2150	2140	2130	2094
23	2062	2000	1969	1950	1952	1980	1988	1982	1974	1951

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 3-3-1974
 (DAY NO 62)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1934	1932	1930	1926	1921	1916	1914	1907	1906	1897
1	1884	1891	1892	1900	1892	1875	1866	1876	1874	1866
2	1868	1854	1845	1838	1832	1831	1831	1827	1824	1828
3	1836	1856	1862	1870	1868	1871	1864	1860	1858	1855
4	1854	1846	1865	1865	1860	1852	1863	1858	1846	1841
5	1840	1837	1825	1809	1805	1805	1799	1795	1787	1782
6	1776	1771	1764	1761	1771	1731	1720	1723	1734	1743
7	1748	1756	1766	1767	1773	1774	1770	1782	1790	1794
8	1786		1807	1826	1824	1821	1817	1814	1814	1812
9	1812									
10	1812									
11	1806	1805	1802	1800	1800	1798	1799	1796	1795	1797
12	1804	1812	1820	1822	1824	1828	1833	1837	1845	1850
13	1852	1853	1852	1852	1849	1848	1844	1831	1832	1832
14	1830	1829	1826	1820	1819	1816	1813	1811	1820	1817
15	1820	1804	1790	1764	1740	1726	1734	1752	1762	1782
16	1800	1815	1812	1826	1812	1796	1803	1810	1814	1814
17	1808	1837	1856	1870	1876	1855	1758	1666	1560	1480
18	1780	1780	1372	1394	1492	1534	1800	1884	1880	1878
19	1776	1842	1912	1814	1812	1814	1834	1832	1826	1814
20	1800	1814	1842	1840	1832	1818	1822	1822	1822	1810
21	1805	1807	1818	1846	1854	1850	1838	1829	1822	1826
22	1840	1818	1836	1824	1820	1827				
23										

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 4-3-1974
 (DAY NO 63)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1634	1625	1624	1600	1694	1692	1672	1657	1654	1644
1	1666	1739	1806	1889	1573	1562	1563	1563	1582	1626
2	2315	2355	2350	2345	1990	2019	2074	2106	2184	2238
3	2294	2283	2272	2260	2344	2343	2342	2340	2332	2311
4	2192	2183	2170	2134	2252	2244	2230	2218	2209	2201
5	2013	2013	2012	2015	2111	2092	2050	2033	2010	2006
6	1945	1938	1953	1964	2008	2004	2002	1994	1986	1968
7	1992	1991	1989	1979	1974	1980	1986	1986	1988	1990
8	2089	2089	2086	2083	1972	1982	2018	2037	2063	2084
9	2070	2082	2096	2110	2082	2079	2080	2079	2080	2070
10	2193	2208	2221	2230	2105	2091	2078	2102	2108	2162
11	2354	2364	2368	2374	2252	2268	2290	2308	2322	2331
12	2478	2502	2507	2508	2378	2382	2374	2370	2410	2452
13	2514	2514	2504	2506	2506	2506	2512	2517	2517	2517
14	2484	2493	2495	2494	2512	2498	2491	2488	2472	2474
15	2504	2504	2506	2505	2492	2499	2504	2504	2504	2504
16	2505	2505	2505	2505	2505	2505	2505	2505	2506	2505
17	2496	2496	2496	2502	2506	2506	2506	2506	2506	2506
18	2506	2506	2506	2506	2506	2506	2506	2506	2506	2504
19	2504	2504	2504	2504	2504	2504	2504	2504	2497	2494
20	2492	2492	2490	2490	2490	2492	2493	2494	2494	2493
21	2493	2490	2484	2484	2484	2486	2486	2487	2488	2489
22	2490	2490	2489	2488	2485					
23										

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 5-3-1974
 (DAY NO 64)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0						2480	2477	2476	2476	2474
1	2472	2470	2466	2460	2463	2464	2462	2456	2458	2458
2	2457	2454	2452	2446	2438	2433	2422	2425	2428	2426
3	2424	2420	2422	2422	2422	2422	2422	2420	2417	2415
4	2414	2412	2410	2408	2403	2400	2400	2396	2394	2389
5	2386	2383	2380	2378	2372	2366	2360	2356	2354	2353
6	2350	2346	2342	2340	2338	2334	2330	2328	2324	2320
7	2317	2316	2313	2308	2305	2301	2299	2294	2289	2284
8	2280	2278	2275	2272	2268	2262	2260	2255	2251	2248
9	2243	2236	2234	2233	2228	2222	2216	2210	2200	2189
10	2180	2172	2163	2145	2138	2128	2123	2114	2107	2098
11	2093	2078	2065	2040	2033	2026	2022	2022	2021	2018
12	2020	2030		2057	2051	2048	2034	2029	2028	2020
13	2016	2030	2037	2036	2026	2023	2022	2023	2023	2020
14	2039	2043	2029	2016	2012	1998	1990	1997	1993	2012
15	1978	1948	1958	1960	1935	1920	1896	1878	1885	1891
16	1912	1940	1948	1953	1968	1980	1980	1970	1963	1971
17	1969	1980	1982	1970	1950	1968	1978	1991	2012	2013
18	2026	2034	2032	2026	2025	2018	2000	1994	2010	2002
19	1996	1996	1997	2022	2032	2040	2040	2052	2068	2060
20	2072	2069	2068	2069	2082	2077	2090	2093	2111	2117
21	2120	2139	2143	2157	2168	2190	2185	2197	2200	2208
22	2218	2222	2208	2208	2215	2208				
23										

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 6- 3-1974
 (DAY NO 65)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0						2346	2345	2348	2360	2366
1	2376	2380	2385	2389	2391	2396	2396	2400	2414	2416
2	2418	2420	2421	2421	2421	2420	2409	2398	2412	2430
3	2428	2428	2430	2434	2437	2441	2437	2436	2434	2433
4	2434	2432	2433	2436	2437	2440	2439	2436	2436	2434
5	2430	2429	2428	2428	2426	2424	2417	2408	2400	2398
6	2396	2392	2382	2382	2377	2373	2365	2355	2346	2326
7	2271	2245	2246	2240	2236	2223	2199	2187	2170	2146
8	2126	2108	2100	2093	2085	2076	2067	2059	2050	2046
9	2050	2061	2068	2072	2080	2088	2100	2110	2120	2126
10	2133	2134	2142	2153	2156	2158	2164	2174	2186	2186
11	2176	2151	2151	2142	2138	2135	2126	2123	2120	2110
12	2102	2099	2098	2094	2091	2092	2095	2092	2086	2086
13	2084	2068	2058	2071	2076	2073	2066	2068	2058	2054
14	2044	2034	2028	2019	2010	2006	1993	1988	1980	1978
15	1980	1982	1984	1990	1991	1996	1994	1994	1994	1991
16	1990	1980	1982	1974	1974	1973	1974	1976	1970	1964
17	1968	1968	1964	1964	1963	1962	1960	1956	1961	
18	1950	1944	1939	1948	1952	1952	1954	1956	1956	1958
19	1962	1958	1960	1952	1946	1938	1937	1938	1938	1936
20	1932	1932	1927	1927	1937	1931	1924	1918	1907	1910
21	1908	1905	1902	1905	1907	1908	1912	1914	1924	1928
22	1934	1931	1932	1932	1940	1946	1946	1946	1948	1952
23	1953	1959	1962	1969	1973	1979	1981	1981	1981	1988

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 7- 3-1974
 (DAY NO 66)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1964	1966	1969	1970	1972	1972	1970	1974	1972	1976
1	1977	1980	1982	1986	1992	1998	1999	2000	2003	2004
2	2008	2008	2008	2005	2005	2001	1998	1994	1992	1996
3	1999	2001	2005	2008	2020	2024	2030	2036	2032	2039
4	2046	2060	2077	2084	2092	2092	2094	2101	2108	2090
5	2114	2116	2124	2133	2136	2136	2134	2120	2116	2126
6	2096	2144	2198	2212	2221	2231	2240	2250	2260	2248
7	2271	2272	2274	2276	2279	2279	2279	2278	2278	2278
8	2276	2276	2277	2278	2285	2290	2290	2290	2292	2294
9	2294	2295	2300	2303	2308	2309	2312	2315	2318	2320
10	2320	2324	2330	2332	2334	2336	2340	2342	2344	2348
11	2350	2355	2367	2376	2376	2376	2362	2356	2340	2342
12	2311	2344	2356	2356	2374	2399			2387	2392
13	2412	2408	2412	2405	2405	2356	2306	2366	2387	2398
14	2399	2400	2400	2400	2400	2400	2400	2400	2399	2398
15	2396	2392	2388	2386	2382	2378	2374	2371	2368	2364
16	2359	2357	2356	2352	2348	2343	2340	2336	2334	
17	2325	2322	2320	2314	2286	2288	2284	2282	2280	2279
18	2277	2274	2268	2261	2256	2250	2244	2232	2235	2237
19	2237	2232	2228	2222	2216	2207	2194	2192	2186	2181
20	2176	2168	2162	2157	2154	2153	2154	2150	2140	2135
21	2132	2134	2128	2128	2119	2105	2104	2080	2070	2054
22	2049	2038	2016	1996	1960	1952	1916	1882	1846	1816
23	1786	1758	1732	1712			1718	1725	1734	1740

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 8- 3-1974
 (DAY NO 67)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1752	1767	1782	1795	1798	1820	1860	1834	1838	1848
1	1858	1866	1876	1890	1904	1914	1924	1937	1958	1963
2	1970	1973	1980	1988	1996	1996	2005	2010	2012	2018
3	2025	2030	2031	2032	2032	2026	2017	2009	2004	2006
4	2007	2007	2018	2026	2043	2056	2065	2069	2073	2078
5	2094	2114	2120	2084	2093	2110	2121	2132	2138	2148
6	2154	2160	2158	2160	2162	2190	2170	2172	2176	2178
7		2187	2188	2190	2191	2190	2186	2182	2188	2195
8	2202	2200	2218	2220	2230	2234	2226	2222	2226	2236
9	2252	2260	2266	2264	2270	2266	2264	2272	2274	2272
10	2280	2282	2280	2286	2292	2290	2286	2290	2288	2290
11	2279	2268	2264	2256	2264	2256	2258	2254	2254	2246
12	2238	2233	2230	2232	2230	2224	2218	2218	2216	2222
13	2228	2236	2234	2246	2270	2280	2280	2280	2280	2286
14	2290	2300	2320	2340	2342	2342	2340	2342	2343	2334
15	2334	2329	2320	2308	2300	2281	2265	2232	2222	2228
16	2204	2192	2166	2140	2124	2112	2094	2070	2060	2038
17	2020	2012	1996	1986	1978	1972	1968	1970	1964	1967
18	1964	1974	1964	1964	1972	1962	1970	1966	1955	1957
19	1950	1946	1948	1946	1972	1960	1956	1922	1880	1898
20	1892	1883	1880	1874	1870	1860	1846	1826	1817	1812
21	1814	1806	1784	1755	1716	1696	1654	1637	1594	1582
22	1566	1548	1538	1514	1497	1494	1482	1452	1448	1440
23	1420	1406	1389	1370	1364	1356	1348	1336	1330	1316

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 9- 3-1974
 (DAY NO 68)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1310	1302	1299	1309	1318	1338	1346	1366	1380	1396
1	1412	1426	1436	1446	1453	1456	1460	1467	1463	1468
2	1471	1465	1466	1465	1459	1464	1450	1461	1444	1442
3	1430	1436	1440	1442	1425	1431	1408	1427	1436	1443
4	1452	1458	1454	1458	1462	1472	1466	1474	1472	1477
5	1473	1467	1478	1478	1490	1483	1492	1487	1482	1479
6	1474	1468	1458	1450	1438	1424	1396	1380	1401	1432
7	1448	1460	1473	1486	1500	1518	1532	1557	1572	1568
8	1586	1510	1594	1608	1596	1598	1599	1564	1597	1586
9	1574	1567	1560	1556	1553	1554	1558	1564	1617	1575
10	1590	1583	1580	1583	1588	1594	1592	1599	1599	1617
11	1638	1639	1640	1650	1706	1799	1885	1983	2045	2042
12	2040	2037	2043	2046	2046	2048	2048	2049	2050	2050
13	2049	2048	2048	2048	2048	2048	2048	2048	2048	2048
14	2034	2027	2024	2012	2010	1996	1996	1980	1970	1964
15	1954	1944	1930	1920	1909	1904	1902	1884	1890	1880
16	1886	1903	1926	1942	1950	1964	1974	1975	1982	1986
17	1990	1992	1992	1992	1996	1998	2000	2000	2011	2010
18	2026	2027	2036	2047	2052	2054	2054	2000	2078	2088
19	2100	2104	2109	2132	2141	2144	2154	2162	2174	2184
20	2188	2199	2210	2219	2227	2232	2250	2270	2281	2287
21	2286	2292	2303	2308	2311	2310	2308	2310	2282	2224
22	2164	2100	2028	1986	1936	1892	1855	1838	1814	1797
23	1778	1757	1746	1700	1690	1688	1687	1690	1695	1695

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 10- 3-1974
 (DAY NO 69)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1660	1654	1508	1382	1440	1438	1402	1399	1387	1392
1	1421	1442	1445	1477	1495	1502	1494	1488	1474	1459
2	1454	1464	1498	1546	1502	1550	1590	1600	1617	1630
3	1627	1532	1622	1654	1656	1658	1660	1660	1672	1680
4	1694	1712	1720	1722	1712	1707	1692	1694	1676	1684
5	1682				1942	2002	2122	2184	2260	2316
6	2308	2304	2295	2286	2270	2219	2221	2230	2222	2212
7	2200	2194	2176		2168	2174	2171	2183	2175	2178
8	2161	2168	2165	2163	2158	2144	2130	2124	2117	2110
9	2118	2122	2132	2142	2139	2126	2129	2146	2156	2152
10	2140	2138	2150	2152	2146	2149	2138	2147	2148	2144
11	2142	2152	2153	2156	2154	2152	2152	2152	2158	2157
12	2159	2160	2160	2158	2160	2158	2155	2154	2154	2158
13	2154	2156	2152	2158	2154	2152	2151	2148	2146	2140
14	2140	2144	2134	2133	2128	2128	2125	2124	2126	2122
15	2120	2120	2118	2116	2114	2117	2118	2117	2117	2110
16	2106	2107	2100	2104	2096	2088	2078	2080	2088	2086
17	2078	2070	2072	2070	2076	2063	2056	2052	2047	2042
18	2035	2034	2030	2024	2014	2006	2000	2000	1996	1992
19	1982	1996	1986	1972	1972	1961	1954	1956	1965	1989
20	1995	1994	1997	2004	2004	2007	2007	2000	1999	1997
21	1995	1989	1991	1988	1990	1986	1982	1974	1980	1978
22	1973	1970	1973	1968	1966	1960	1960	1957	1959	1954
23	1950		1945	1946	1942	1939	1939	1939	1936	1932

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 11- 3-1974
 (DAY NO 70)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1927	1924	1920	1914	1910	1907	1904	1902	1896	1887
1	1880	1870	1872	1874	1862	1852	1866	1873	1878	1865
2	1870	1880	1882	1860	1808	1786	1780	1784	1796	1809
3	1814	1832	1840	1830	1836	1832	1827	1828	1820	1828
4	1826	1824	1823	1818	1812	1811	1804	1804	1800	1793
5	1790	1783	1779	1775	1769	1764	1760	1751	1744	1722
6	1699	1582	1670	1650	1643	1526	1614	1603	1611	1588
7	1572	1574	1564	1562	1552	1542	1538	1538	1525	1506
8	1506	1520	1519	1540	1524	1530	1547	1531	1543	1554
9	1566	1572	1573	1584	1534	1456	1404	1350	1294	1216
10	1130	1028	966	938	912	890	870	850	836	818
11	810	806	804	810	815	826	850	877	874	871
12	872	864	868	886	894	920	928	960	948	952
13	970	904	904	886	858	837	812	792	776	764
14	774	745	737	729	722	714	708	701	696	691
15	688	686	685	688	685	677	673	662	650	648
16	654	660	654	672	681	682	684	634	638	634
17	620	606	596	596	610	628	630	643	678	676
18	680	680	682	738	738	745	759	772	768	778
19	778	794	814	840	840	848	874	866	856	956
20	924	930	972	998	984	980	962	955	944	956
21	956	950	932	962	947	1018	926	926	942	1090
22	1058	1098	1073	1108	1122	1126	1100	1102	1106	1112
23	1110	1116	1123	1131	1112	1156	1160	1162	1158	1173

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 12- 3-1974
 (DAY NO 71)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1191	1234	1208	1238	1257	1251	1244	1248	1262	1184
1	1180	1214	1250	1298	1312	1315	1312	1316	1306	1295
2	1282	1276	1281	1299	1314	1344	1338	1320	1330	1327
3	1316	1326	1330	1344	1382	1378	1408	1418	1432	1444
4	1475	1452	1420	1433	1454	1463	1474	1488	1505	1518
5	1528	1540	1548	1548	1540	1543	1550	1550	1550	1562
6	1564	1572	1566	1552	1567	1552	1548	1566	1568	1569
7	1558	1561	1550	1556	1544	1539	1524	1519	1516	1529
8	1534	1520	1519	1525	1530	1528	1528	1534	1522	1535
9	1527	1520	1536	1538	1542	1528	1528	1520	1520	1528
10	1520	1512	1507	1517	1527	1524	1523	1522	1527	1524
11	1538	1538	1539	1565	1621	1630	1575	1370	1212	1211
12	1256	1180	1182	1180	1206	1268	1218	1208	1212	1230
13	1233	1235	1292	1334	1352	1353	1370	1380	1404	1470
14	1546	1539	1514	1554	1594	1620	1646	1646	1648	1664
15	1680	1704	1682	1708	1687	1704	1705	1704	1692	1702
16	1688	1645	1624	1614	1590	1596	1602	1630	1634	1640
17	1656	1650	1646	1645	1656	1662	1688	1700	1708	1704
18	1737	1758	1778	1800	1797	1804	1814	1820	1816	1806
19	1806	1811	1816	1817	1830	1844	1864	1877	1878	1879
20	1878	1865	1824	1807	1799	1798	1788	1786	1785	1784
21	1790	1790	1792	1793	1792	1792	1795	1792	1796	1798
22	1796	1791	1796	1798	1796	1797	1798	1798	1797	1800
23	1800	1800	1804	1803	1803	1814	1817	1820	1820	1826

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 13- 3-1974
 (DAY NO 72)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1846	1860	1873	1883	1912	1932	1929	1904	1888	1882
1	1880	1876	1878	1868	1852	1846	1836	1840	1834	1829
2	1824	1826	1822	1811	1814	1823	1825	1820	1804	1814
3	1802	1800	1806	1807	1800	1786	1787	1775	1769	1778
4	1786	1782	1775	1780	1770	1784	1784	1806	1808	1794
5	1730	1700	1492	1434	1370	1321	1266	1251	1209	1143
6	1104	1085	1096	1076	1058	1048	1038	1020	1023	1038
7	998	1002	1020	1111	1215	1304	1374	1445	1500	1534
8	1540	1544	1559	1575	1586	1588	1584	1596	1596	1594
9	1590	1560	1560	1553	1532	1532	1536	1544	1551	1558
10	1558	1562	1541	1537	1518	1505	1500	1491	1472	1450
11	1448	1452	1450	1460	1476	1484	1486	1494	1488	1492
12	1494	1504	1508	1509	1536	1558	1570	1579	1592	1612
13	1636	1633	1643	1656	1668	1677	1688	1703	1712	1714
14	1710	1722	1734	1716	1734	1714	1714	1724	1724	1736
15	1736	1728	1734	1723	1722	1748	1750	1761	1761	1776
16	1796	1814	1808	1815	1802	1776	1786	1824	1834	1808
17	1790	1772	1752	1752	1758	1746	1728	1726	1740	1750
18	1718	1762	1788	1798	1800	1802	1803	1794	1782	1795
19	1796	1832	1838	1828	1828	1838	1836	1830	1838	1846
20	1854	1860	1870	1876	1888	1896	1904	1908	1908	1909
21	1908	1905	1908	1907	1908	1907	1910	1911	1907	1900
22	1898	1890	1888	1884	1874	1869	1853	1861	1860	1860
23	1861	1856	1855	1865	1868	1866	1878	1878	1880	1873

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 14- 3-1974
 (DAY NO 73)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1868	1864	1858	1832	1826	1832	1846	1841	1836	1814
1	1820	1816	1824	1822	1814	1815	1814	1816	1791	1776
2	1773	1763	1766	1758	1754	1747	1738	1730	1723	1703
3	1708	1704	1706	1693	1694	1700	1686	1685	1678	1674
4	1672	1669	1664	1644	1636	1632	1627	1630	1612	1614
5	1618	1610	1593	1588	1597	1582	1580	1572	1579	1568
6	1561	1546	1554	1540	1534	1534	1514	1523	1508	1508
7	1506	1505	1505	1490	1476	1489	1486	1470	1480	1474
8	1470	1478	1458	1470	1476	1478	1486	1487	1488	1482
9	1476		1322	1238	1172		1045	1000	954	933
10	908	866	830	800	778	760	752	746	743	741
11	743	742	742	742	732	719	710	704		694
12	692	689	695	678	676	676	670	674	668	663
13	661	661	666	665	659	659	659	659	659	659
14	659	660	660	660	661	662	662	662	664	666
15	667	670	674	678	681	686	691	696	702	705
16	706	704	704	702	702	702	702	702	704	704
17	704	704	706	710	714	718	722	730	740	756
18	760	800	832	868	908	952	1004	1066	1186	1276
19	1360	1434	1480	1458	1452	1440		1386	1374	1367
20	1366	1365	1375	1368	1372	1364		1362	1363	1362
21	1368	1360	1358	1379	1377	1385		1392	1394	1388
22	1375	1386	1386	1382	1390	1386		1390	1394	1411
23	1418	1425	1415	1420	1426	1422		1426	1440	1464

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 15- 3-1974
 (DAY NO 74)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1478	1498	1528	1556	1615	1612	1652	1684	1714	1717
1	1746	1761	1780	1791	1794	1793	1795	1764	1744	1766
2	1814	1858	1966	1958	1990	1986	1988	1994	1994	1994
3	1994	1995	1996	1998	1999	2000	2003	2004	2002	2005
4	2002	2001	1978	1947	1958	1982	1997	2009	2025	2032
5	2036	2040	2037	2052	2058	2074	2080	2074	2078	2082
6	2078	2077	2086	2089	2096	2099	2093	2086	2086	2100
7	2108	2094	2084	2090	2094	2101	2088	2071	2074	2072
8	2054	2057	2042	2033	2026	2010	1993	1969	1952	1936
9	1975	1994	1991	1994	2000	2002	1997	1994	1996	1995
10	1991	1992	1995	1994	1998	2000	1998	2000	2003	2003
11	2003	2004	2002	2004	2006					
12										
13										
14										
15										
16										
17	1680	1450	1622	1582	1580	1572	1562	1558	1748	1702
18	1545	1566	1550	1548	1540	1548	1554	1560	1564	1562
19	1594	1582	1592	1602	1596	1588	1568	1556	1574	1588
20	1526	1528	1502	1464	1436	1401	1372	1356	1334	1318
21	1304	1287	1276	1263	1246	1236	1232	1222	1213	1216
22	1206	1202	1201	1202	1198	1196	1191	1183	1171	1163
23	1150	1141	1140	1140	1166	1196	1216	1226	1234	1228

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 16- 3-1974
 (DAY NO 75)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1214	1222	1229	1234	1239	1270	1287	1304	1334	1367
1	1372	1362	1351	1342	1331	1321	1308	1293	1285	1285
2	1297	1303	1311	1318	1325	1328	1334	1334	1336	1336
3	1341	1341	1337	1338	1340	1338	1338	1336	1339	1337
4	1336	1334	1335	1330	1331	1329	1331	1328	1329	1330
5	1333	1331	1336	1336	1333	1332	1346	1340	1330	1338
6	1338	1338	1336	1337	1329	1326	1331	1329	1315	1331
7	1316	1311	1305	1314	1298	1295	1305	1314	1290	1291
8	1307	1294	1286	1282	1287	1276	1287	1283	1284	1284
9	1281	1278	1278	1281	1276	1282	1276	1274	1280	1287
10	1283	1290	1296	1298	1314	1314	1314	1318	1322	1326
11	1332	1332	1328	1342	1331	1333	1340	1322	1332	1328
12	1319									
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 17- 3-1974
 (DAY NO 76)

HOURS	00	06	12	18	24	30	36	42	48	54
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10	1626	1615	1568	1541	1519	1496	1776	1749	1692	1662
11	1380	1390	1364	1358	1360	1353	1467	1448	1434	1404
12	1345	1358	1334	1337	1329	1325	1364	1368	1358	1354
13	1322	1316	1325	1313	1303	1305	1322	1336	1322	1326
14	1294	1296	1294	1291	1291	1298	1310	1301	1298	1299
15	1303	1298	1308	1301	1306	1304	1291	1302	1303	1300
16	1304	1304	1306	1300	1300	1298	1311	1306	1308	1308
17	1314	1314	1312	1314	1308	1312	1306	1303	1310	1308
18	1312	1307	1310	1310	1314	1316	1320	1322	1320	1305
19	1332	1343	1342	1348	1362	1356	1350	1360	1372	1320
20	1384	1394	1406	1406	1410	1422	1433	1440	1452	1422
21	1473	1476	1492	1494	1512	1511	1516	1534	1546	1544
22	1564	1575	1598	1610	1606	1617	1610	1616	1616	1626
23	1624	1632	1632	1636	1637	1650	1650	1648	1638	1644

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 18- 3-1974
 (DAY NO 77)

HOURS	00	06	12	18	24	30	36	42	48	54
0	1650	1660	1660	1664	1670	1672	1672	1673	1675	1674
1	1674	1676	1674	1672	1672	1666	1661	1655	1650	1639
2	1634	1620	1612	1604	1598	1595	1590	1582	1572	1561
3	1552	1542	1532	1524	1506	1492	1484	1475	1462	1452
4	1442	1434	1431	1430	1431	1433	1428	1380	1316	1254
5	1194	1088	996	923	862	800	743	698	673	657
6	641	621	601	589	571	555	527	503	474	428
7	402	353	312	279	260	254	243	228	211	200
8	192	182	173	163	152	144	136	130	125	121
9	118	114	112	106	100	92	89	88	88	87
10	88	88	84	84	84	82	80	80	80	82
11	82	82	82	84	84	82	83	85	86	86
12	85	86	86	89	89	92	93	94	95	97
13	99	102	103	105	106	107	109	110	113	116
14	118	120	122	124	126	128	128	131	132	134
15	136	138	140	143	146	148	150	152	155	158
16	160	162	164	166	166	170	170	172	175	178
17			180	180	182	184	185	188	188	186
18	190	191	192	194	196	198	200	204	204	206
19	208	210	210	212	216	218	220	222	226	227
20	230	232	234	236	239	240	243	246	248	250
21	252	254	257	260	262	264	266	268	271	273
22	276	278	280	282	284	286	288	291	293	295
23	298	300	301	303	305	306		310	312	314

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 19- 3-1974
 (DAY NO 78)

HOURS	00	06	12	18	24	30	36	42	48	54
0	318	322	322	323	325		330	335	339	340
1	342	343	346	349	346	350	357	359	371	379
2	383	380		398	393		387	391	395	400
3	406	413	421	429	438	447	457	464	472	480
4	487	494	500	506	514	521	528	535	543	551
5	560	568	577	587	597	607	617	630	642	656
6	664	676	688	700	713	724	734	745	756	766
7	776	794	800	800	816	820	830	838	846	854
8	860	869	880	886	894	900	908	914	919	924
9	931	936	940	946	948	952	956	962	968	974
10		988	996	1003	1010	1016	1021	1027	1032	1036
11	1042	1046	1052	1057	1060	1062	1070		1076	1080
12	1082	1087	1090	1094	1098	1102	1106	1116	1118	1124
13	1126	1130	1134	1138	1144	1148	1152	1156	1161	1166
14	1172	1176	1180	1185	1190	1196	1202	1207	1212	1216
15	1222	1228	1233	1238	1242	1244	1248	1250	1252	1254
16	1256	1260	1264	1266	1268	1270	1272	1280	1290	1304
17	1306	1312	1318	1318	1324	1330	1338	1344	1352	1380
18	1487	1484	1488	1492	1416	1370	1336	1334	1334	1332
19	1332	1338	1348	1376	1340	1328	1332	1334	1330	1329
20	1324	1324	1324	1322	1322	1326	1327	1327	1330	1334
21	1337	1338	1339	1344	1337	1330	1322	1313	1305	1294
22	1276	1253	1230	1213	1204	1203	1203	1208	1189	1156
23	1109	1082	1065	1027	991	966		920	896	872

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 20- 3-1974
 (DAY NO 79)

HOURS	00	06	12	18	24	30	36	42	48	54
0		835	820	810	799	790	785	782	778	771
1	766	760	758	756	755	754	753	754	754	755
2	756	756	754	750	750	746	743	742	738	736
3	734	734	734	733	730	728	724	722	718	716
4	714	708	703	700	694	690	687	682	676	671
5	665	658	651	644	636	628	622	614	607	600
6	592	586	578	571	565	559	554	548	542	539
7	533	529	525	522	517	512	509	504		494
8	488	480	474	462	446	428	392	372	344	356
9	346	328	312	308	288	272	272	263	250	240
10	232	222	216	208	200	194	188	182	178	174
11	170	164	160	158	152	146	142	136	132	126
12	120	114	109	104	100	98	93	90	87	85
13	84	83	82	82	81	79	79	79	78	77
14	75	75	74	73	73	72	71	71	70	70
15	70	70	70	70	70	70	70	70	71	71
16	72	72	73	74	74	76	76	74	72	72
17	72	72	70	70	68	68	64	64	62	61
18	61	62	64	66	68	70	72	74	74	70
19	70	68	66	62	62	60	58	56	54	56
20	57	58	64	67	68	69	70	72	73	73
21	74	74	75	74	74	74	74	74	74	72
22		72	72	72	72	71	70	70	70	70
23	69	69	70	70	69	68	68	67	66	66

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN UNCORRECTED FATHOMS AT AN ASSUMED VELOCITY OF 800 FATHOMS/SEC.

DATE 21- 3-1974
 (DAY NO 80)

HOURS	00	06	12	18	24	30	36	42	48	54
0	64	62	62	62	65	64	65	64	65	65
1	66	63	60	62	64	66	68	68	68	67
2	66	61	58	56	56	60	59	59	65	66
3	66	68	68	69	70	70	68	68	67	64
4	63	62	62	61	61	60	60	59	58	58
5	56	56	56	56	56	56	55	55	54	55
6	54	54	54	54	54	54	54	53	54	54
7	53	53								
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

SECTION D

Magnetic Anomaly

Corrected Depth (Fathoms)
(Metres)

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF
MINUTES

DATE 4-3-1974
(DAY NO 63)

HOURS	00	06	12	18	24	30	36	42	48	54
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20									-25	12*58
21	5	38	67	88*20	78*28	84	55*40	57	49*50	40*58
22	48	58	77	95	105*26	115*32	129*40	131*46	128*50	125
23	114	105	92*16	85*22	76*28	81	72	66	47	25

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF
MINUTES

DATE 5-3-1974
(DAY NO 64)

HOURS	00	06	12	18	24	30	36	42	48	54
0	0	-32	-60	-89	-121	-152	-179	-209*46	-219	-225*56
1	-237	-259*10	-257	-265*20	-262	-252	-220*40	-222	-209	-198
2	-181	-155	-144*14	-132	-108	-81	-57	-32	-8	-10
3	28	45*10	46*16	44	34	21	6	-5	-25	-37
4	-50	-61*10	-67	-88*22	-87*28	-90	-81	-63	-40	-14
5	14	51	83	144*20	136	151	141	166	140	140
6	116	88	65	62*20	32	29	22	15*46	8*52	10
7	7	6	9	15	30*26	35*32	34	32	24	13
8	7	3	4	12	22	31	31	32	32	27
9	19	15*8	10	3	22	-5*32	-15	-19	-30	-41
10	-52	-54	-72*14	-83	-85	-87*32	-88	-90	-90	-88*58
11	-89	-91*8	-86*16	-84*22	-88	-79*32	-81*38	-73	-63	-49
12	-37	-26	-20	-16	-10*28	-12	-14*40	-15	-27*52	-26
13	-40	-51	-56*14	-58*20	-60	-55*32	-51*38	-46	-39	-25
14	-14	-2	8	13	29*28	28	38*38	37*46	40*52	37
15	28	17	-2	-18	-33*28	-31*32	-25	-8	20	39
16	56	58*10	56	41	21	0	-13	-28	-33	-41
17	-48	-53	-57	-54	-51	-55	-53	-54	-48	-37
18	-30	-21	-4	14	29	32	37	35	30	19
19	-5	-26	-43	-29	-14	-6	-0*38	-10	0	24
20	54	82	86	119	145	174	210	258	283	275
21	246	200	154	102	60	10	-15	-35	-53	-56
22	-48	-41*8	-30	-14	9	39	71			
23										

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF
MINUTES

DATE 6-3-1974
(DAY NO 65)

HOURS	00	06	12	18	24	30	36	42	48	54
0						-101	-79	-11	51	167
1	242	258	221	131	61	17	-3	-23	-41	-57
2	-66*4	-64	-51*14	-49	-55	-75	-36*38	-20	40	53
3	38	11	-7	-10	-11	6*34	7*38	0	-16	-29
4	-32	-35	-38	-58*22	-56	-66	-67*40	-58*44	-55	-52*56
5	-38*2	-41	-48	-39	-33	-22	-8	4	22	37
6	47*2	48*8	47	61*20	66	82	111	145	173*52	168
7	145	115	74	35	-4	-47	-85	-126	-159	-178
8	-170	-135	-86	-36	10	38	59	69*44	71*50	93
9	60*2	67	71*16	77	79*26	86*32	91	100	100*50	93
10	102	103	114	120	135	146	161	176*44	183	211
11	256*4	262*10	261	267*22	265	257	242	224	204	181
12	150	123	107	100	104	115	112	149	184*50	196
13	209	214*8	202	178*20	155*28	145*32	152*38	163	186	203
14	227*4	224	213	181	150	124	106	78	64	52*58
15	45	31	16	-6	-26	-44*32	-45*40	-49	-36	-13
16	13	48	90	124	153					202
17	205	196	177	158	143	134	129	134	131	120
18	95	60	25	-31*22	-16*28	-37	-38	-34	-33	-12
19	-38	-43	-52	-65	-68	-77	-90	-99	-108	-113
20	-126	-143	-164	-181	-206	-219	-226	-225	-212	-192
21	-173	-146	-153	-163	-176	-190	-205	-218	-219	-214
22	-202	-183	-165	-146	-136	-129*34	-130	-134	-139	-147
23	-152	-154	-157	-148	-141	-118	-124	-111	-105	-92

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 7-3-1974
(DAY NO 66)

HOURS	00	06	12	18	24	30	36	42	48	54
0	-77	-67* R	-64*14	-61*20	-68*28	-67	-94	-98	-109	-129
1	-145	-152	-158*16	-166*22	-165	-165	-160*40	-163	-144*50	-139
2	-122	-137	-147	-151*20	-170	-181	-190*38	-197*46	-196	-188
3	-183	-193	-197*16	-201*22	-197*26	-191	-195*32	-181	-166	-146
4	-129	-99	-59	-19	25	48	82	105	113*52	108
5	96	75	58	42	34*28	9	39	54	66	79
6	85	91	105	122	136	136*34	141	120	93	74
7	54	37	22	8*22	16	14*26	28	44	67	91
8	108	132	143	161	192	211	226	239	242	251
9	256	265	269*14	265	257	241	218	196	163	136
10	116	91	68	52	35	18	-11*40	-10	-31*52	-35*58
11	-39	-44	-47*14	-55*22	-52	-62*32	-78*40	-77	-88	-106
12	-125	-144	-165	-188	-211	-228	-243	-261*46	-257	-267*56
13	-262	-271	-284*14	-285*22	-289	-278	-263	-243	-226	-211
14	-193	-184	-183*16	-150	-137*26	-134*34	-124*38	-127	-122*50	-111*58
15	-113*2	-105* R	-97*14	-91*22	-85*28	-84*32	-79*38	-79*44	-82	-85
16	-80*2	-81	-76	-66	-48	-18	13	51	94	140
17	198	262	300	383	471	420	399	360	330	317
18	324	337	360	387	414	441	453	452	425	388
19	314	266	236	207	171	-24	-30	-12	5	30
20	42	-46	-33	0	-21	-51	-68	-84	-93	-88
21	-81	-61	-39	0	33	61	96	132	174	209
22	253	305	366	436	490	522	530	509	463	419
23	378	346	312	270	242	223	210	201	190	174

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 8-3-1974
(DAY NO 67)

HOURS	00	06	12	18	24	30	36	42	48	54
0	168	153* R	153*16	154	155	159*32	164	174*46	173	188
1	199	215* R	217*14	213	199	182	160*40	133*46	135	113
2	101*2	99	99	111*22	109	123*34	122	127*46	136	135*56
3	140	147*10	145	152	162*26	164	182	200*44	201	214
4	216*2	214*10	214*14	212*20	208	207*34	207*38	207*44	212	221
5	290	282	271	291	310*26	312*34	316	309*46	304*52	302
6	290	285	269	254	239	221	211*38	203*44	198	188*58
7	183	171	167*14	154*22	155	147	135*40	138*46	129	141*58
8	142*2	153	167	176	192	204	221*40	214*46	213	200
9	182	158	134	105	77	61	42	22	25	3
10	-3	-22*10	-26*16	-30	-33	-44*34	-50*40	-52	-68	-60
11	-58*2	-57	-51*14	-48	-50	-36	-29	-26	-17*50	-18
12	-14	-18	-20*14	-25	-27	-27	-29*38	-21*44	-14	2
13	-14	35*10	33	43	55	59	79*40	75	83	89
14	104	115* R	124	130	142	159*32	164	178*46	180*50	170*58
15	171	162* R	150	181	195	225*34	220	248	269	266*56
16	264*2	258* R	255*14	248*22	245	233	220	186*46	189	161
17	156	144	126	115	98	86	59*40	49	41	36
18	38	46	69	93	118	148	181	209	240	274
19	307	339	374	405	428	434	415	374	321	264
20	215	180	161	152	156	167	172	172	171	172
21	153	134	113	98	81	66	56	45	32	27
22	14	16	3	2	-2	-1	2*40	1	14	17
23	14	-8	-36	-51	-59	-74	-91	-113	-136	-147

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 9-3-1974
(DAY NO 68)

HOURS	00	06	12	18	24	30	36	42	48	54
0	-155*2	-178*10	-156*16	-164	-152	-134*32	-117	-99*44	-87	-79
1	-71*2	-67* R	-67	-58*22	-62*26	-56	-57*38	-60*46	-63	-72*58
2	-79	-95*10	-103	-118	-125	-134	-143	-146*46	-154	-143
3	-128	-116* R	-104	-99	-96*28	-92	-69*40	-64*46	-57	-49
4	-33	-12	3	33	71	127	204	278	350*52	388
5	338	301	261	232*20	247*28	244*34	240	242*44	248	248*58
6	245	241* R	204	179	154	130	119*40	120	128	125
7	168	203	231	256	273	284	285*38	285	282	276*56
8	274*4	273	279	288	303	322	343	366	388	415
9	438	455	474	493	512	535	558	573	591	610*58
10	619*4	618	626	635*20	631	633	624	606	589	568
11	542	509	470	437	411	398	387	364	341	316
12	290	269	255*14	243	236	226	207	194	179	165*58
13	146	127	116	97	82	61	39	18	1	-18*58
14	-15	-21	-32	-48*22	-45	-50	-5*40	-44*44	-51*52	-55*56
15	-56*4	-52* R	-54	-53*22	-48	-38	-22	-25	-12*50	-8
16	-4*2	4* R	2	7*20	1	0	-2	-26	-27	-27
17	0	-5*10	-24*16	-23	-28	-27	-20	-18	16	28
18	-9	-1	7	7	9	13	8	47	47	43*58
19	54	69	69	69	64	56	50	47	88	100
20	44	46	54*16	53	54	54	72	80	-47	-82
21	118	116	114	104	82	64	20	-13	-178	-176
22	-112	-134	-152*16	-151	-163	-171	-183	-187	-176	-160
23	-165	-169	-171	-178	-188	-191	-191	-187	-176	-160

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 10- 3-1974
(DAY NO 69)

HOURS	00	06	12	18	24	30	36	42	48	54
0	-145	-135	-119	-108	-88	-68	-40	-2*46	-5	1*58
1	8*2	3	7	24	-50	-84	-112	-131	-151	-173
2	-173*2	-224*10	-229*14	-222	-184	-104	-183	-168	-327	-400
3	328	242	140	56	-12	-71	-138	-220	-207	-337
4	-382	-424	-454	-463*20	-460	-440	-354	-271	-143	-32
5	38				27	11*32	25	54	86	127
6	154	178	197	210	225*26	217*34	219*40	204*46	197	178
7	151	129	104	83	64*28	56*32	33*38	45*44	42*50	43*56
8	475*4	46	52	59	70	83	109	125*46	123	138
9	154*4	158*8	156	171*20	180*26	192*34	187	200*46	204*52	211*56
10	200*2	209	197*14	201	190	174	161	138	111	93
11	78	7	84	89*20	88*26	94	93	72	77	72*58
12	56*4	66*8	65	74	87	110	113*40	114	101	94
13	60	34*10	22*16	22*20	31*28	46*34	42	53	69*50	79*56
14	89	100	113*16	115*20	111*28	110	117*40	113*46	120*52	121*56
15	126*2	133*10	137*14	137*20	135*28	130*34	125*40	126	112*50	106*58
16	99	88*8	93*16	97*20	93	88*32	92	85	68	59
17	35	11	2	-10	-29	-40	-50	-71	-76	-83
18	-97	-114	-125	-139	-144	-157	-160	-161	-164	-167
19	-155	-148*10	-157	-165	-177	-192	-193*40	-198	-203	-220
20	-211	-206	-199*16	-202	-203	-191*32	-183	-188	-187	-173
21	-158*4	-159	-143	-134	-129	-127	-143	-134	-127	-112
22	-117	-120	-115	-119*20	-121	-124	-131*38	-141	-154	-163
23	-164	-161	-152	-131	-106	-83	-60	-53	-45	-53*56

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 11- 3-1974
(DAY NO 70)

HOURS	00	06	12	18	24	30	36	42	48	54
0	-55*4	-58	-64*16	-63*22	-62*28	-59*34	-60	-66	-74*50	-78
1	-91*4	-91*8	-93*16	-76*22	-70*26	-76	-91*40	-96	-111	-128
2	-149	-170*10	-183	-210	-226	-247*34	-250*40	-245*46	-243*50	-241*58
3	-242	-249	-245*14	-238*20	-230	-218*34	-223	-244	-267	-306*58
4	-306*4	-302*8	-282*16	-283	-248	-223	-199	-138	-173	-152
5	-130	-130	-101*14	-93	-75	-54	-33	-18	6	31*58
6	60	93	125	146	166*26	190	199*38	198*44	203*50	211*58
7	210	213*10	213*16	210	195	144	135	115	88	63
8	34	10	-2	-5	-11	-20	-21	-23*44	-29	-42
9	-61*2	-63	-138	-215	-260*26	-224	-115	-18	32	17
10	-57	-156	-268	-433	-584	-732*34	-729	-667	-578	-469
11	-385	-324	-259	-147	-60	-19*34	-17*38	-35	-80*50	-60
12	18	105	180	226*20	214*26	224	215	172	109	66
13	-124	-124	-232*14	-224	-199	-109	53	222	256*50	238*56
14	260	308	339	305	270	231*32	245	232	164	105
15	57	-25	-55	-65	-110	13	77*40	75	38	94
16	291	490	645	710	737	706	628	519	420	380
17	399	423	420	456*20	445	389	262	364	355	357
18	338	319*10	317	326*20	331	361	400	427	451	484
19	513	525	528	485	401	340	312	283	242*52	256
20	223	231	252	285	318*28	316	307	276*46	278	279
21	293	290	279	281	299*26	313	352*38	350	333	341
22	372	385	362	330	317	320	340	378	385	371
23	352	339	336	343	358	361	379	408	427	444

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 12- 3-1974
(DAY NO 71)

HOURS	00	06	12	18	24	30	36	42	48	54
0	475*4	474*8	451	499	364	319	260*40	262	269	280
1	290*2	285*8	295*14	290*20	281	241	195	153*46	158	193
2	227	237	225	207	170	146	91	46*46	42*52	40
3	33*4	43*8	42	53*22	53*28	50*32	54	56*44	55*52	50*58
4	29*4	51	50*14	67*22	59*28	63*34	54	24	-1	-31
5	-54*2	-57	-37	-16	-4*26	-8	-32	-68	-105	-143
6	-165	-185*10	-186*16	-183	-173	-152	-127	-95*46	-106	-145
7	-188	-228	-248*14	-225*22	-234	-164	-126*40	-129	-143*52	-146
8	-120	-77	-13	78	169	223	245*38	242	212*52	215
9	189*4	186	207	221*22	216	185	144	112	88*50	92
10	108	135*10	134	126	113	98	76	63	51	37
11	38	46	83	109	128*26	117	81	60*44	79	152
12	234	360	405	497	425	412*32	417	436*44	423	389
13	371	416	480	539	590	607	594*38	500	377	264
14	178	105	56	19	-15	-34	-34	-54	-78	-80*58
15	-78*4	-83	-97	-89	-65	-60	-79	-82	-50	72
16	202	266*10	264	279	316	373	416	447	474	518
17	577	636	664	660	632	595	541	474	390	304
18	244	138	76	37	31	47	66	92	128	178
19	231	289	305	345	386	420	433	421	377	304
20	218	105	3	-83	-141	-178	-200	-210*44	-203	-181
21	-174	-119	-66	-14	42	103	131	132	129	128*58
22	126	124	116	116	86	70	50	36	23*52	21
23	28	48	72	109	125	216	285	355	428	480

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 13-3-1974
(DAY NO 72)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	524	554* 8	576*14	595	609*26	606	593	575	551	514
1	462	401	337	278	220	169	117	87	50	20
2	-8	-38	-64	-88	-106	-127	-141	-156	-172	-186
3	-195	-208*10	-210	-208	-195	-171	-152	-123	-99	-72
4	-48	-33	-2	23	49	70	82*40	8	47	42
5	0	-44	-73*14	-71	-52*26	-44	-24	8	69	121
6	152	176	200	245	298	348	381	393	403*52	390
7	366	289	151	-41	-151	-112	-5	92	156	198
8	223	238	245	230	207	177	152	125	108	109
9	60	42	-4	-39	-72	-104	-129*40	-134	-118	-83
10	-34	5	40	67	101	132	167	180	208	221
11	230	233	242	250	273	296	310*38	300	269	217
12	155	95	48	19	5	-16	-42	-88*46	-83	-52
13	-1	42	81	100	121	142	162	183*46	178*52	182*58
14	179* 4	175* 8	176*14	183*20	180	197	209*38	221	230*50	225
15	215* 4	204	172	152	130	114	109*40	108	112	119*56
16	111	97	83	72*22	69	84	112	148	174	188
17	192	184	178	162	142	111	87	51	35	27
18	18	6*10	9	1	-5*28	-2	1	19	36	61
19	77	90	104	117	127	127*32	122	105	81	45
20	64	68	77	95	103	106	96	88	79	75*56
21	79	79	77	61	37	16	-11	-31	-53	-65
22	-74	-92	-118	-142	-166	-198	-227	-249	-269	-287
23	-307	-323	-331	-331	-332*26	-333*34	-338	-338	-326	-318

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 14-3-1974
(DAY NO 73)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	-304	-284	-267*14	-233	-211*26	-210	-186	-160	-132	-102
1	-78	-54	-33*16	-32*20	-35	-49	-73	-108	-138	-162
2	-143* 4	-178	-169*16	-144*22	-167	-157*32	-159	-159*44	-155*50	-148
3	-143	-133	-132	-135	-147	-161	-174*38	-170*44	-165	-152
4	-139* 2	-126	-112	-101	-83	-73	-66*38	-61*46	-60	-74
5	-88	-112	-142	-161*20	-204	-221*32	-218	-222	-227	-235
6	-251	-255* 8	-275	-296	-316	-344	-376	-414	-446	-478
7	-494	-510	-518*14	-514	-507	-477	-443	-393	-341	-277
8	-207	-127	-51	26	107	181	254	316	384	442
9	500	544	625	707	803	877	1025	1106	1128	1072
10	992	904	832	796	776	772	632	504	378	250
11	211	40	4	-38*22	-32*26	-29	-11	45	77	149
12	118	289	409	514	566	625	725	814	913	968
13	1025	1052	1066	1019	988	951	921	894	858	779
14	664	587	560	507	432	391	315	234	183	134
15	89	57	22*16	24*20	30	52*32	54	76	105	144
16	173	195* 8	189	192	202	223*32	224*40	211*46	212	223
17	262	339	415	460	484	503	503	574	664	684
18	711	701	720	746	751	743	715	681	652	632
19	634	665	699	736	790	835	851	822	761	678
20	605	555	528	543	590	659	730	797	859	806
21	917	930	937	938	938	921	900	867	821	764
22	719	670	638	605	582	565	557	538	521	498
23	475	455	438	415	398	375	357	340	321	310

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 15-3-1974
(DAY NO 74)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	303	310* 8	322	355	382	398	379	332	251	165
1	72	-18	-121*16	-107	-164	-177*32	-177	-164	-149	-129
2	-114* 2	-107	-105*14	-98	-96	-91	-84*40	-84*44	-89*52	-90
3	-83* 4	-80*10	-79*14	-82	-91*28	-102	-117	-140	-158	-173
4	-187	-195	-198	-205*22	-202	-199	-191	-165*46	-173	-143
5	-124	-107	-83*16	-84	-65	-51*32	-55	-66	-80*52	-78*58
6	-79	-74	-62	-49	-33	-16	1	14	25	42
7	60	84	114*16	107	96	84	70	50	24	-5
8	-37	-61	-81	-97	-113	-130	-149	-164	-175	-175*56
9	-172	-159*10	-159*14	-150	-138	-174				
10										
11										
12										
13										
14										
15										
16										
17	-112	-98	-74	-28	14	63	117	172	-100	-112
18	358	397	397	370	340	305	280	265	231	301
19	295	306	317	327	334	337	345	362	379	378
20	450	487	522	549	565*26	557	547	520	497	417
21	439* 4	437* 8	448	467	482	506	581	692	798	882*58
22	881	818	709	599	506	437	385	338	283	207
23	130	95	95	98	96	79	55	32	9	-7

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 16- 3-1974
(DAY NO 75)

HOURS	00	06	12	18	24	30	36	42	48	54
0	-24	-38	-59	-71*20	-62	-35	15	75	122	152*58
1	138	66	23	8	3*28	0*32	0	7	13*50	12
2	8	-3	-30	-60	-86	-112	-132*38	-139	-142*52	-137*56
3	-140	-127	-119	-101	-71*26	-66	-24	23	76	134
4	185	227	262	290	309	335	364	404	447	477
5	488	482	460	440	427	421	413*40	423*46	422*50	423
6	406	382	355	327	304	286*34	282	284*40	276	259
7	239	208	183	155	132	112	95	81	60	50
8	42* 2	37	34	36	37	37	46	60	73	87
9	112	131	157	180	205	229	244	256	263	273
10	282	292	297	299	310*26	313	320*38	323	327*50	322
11	314	305* 8	266	230	196	166	125	79	32	0
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 17- 3-1974
(DAY NO 76)

HOURS	00	06	12	18	24	30	36	42	48	54
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10						49	94	135	170	200
11						168	134	95	48	8
12	225	256*10	251	230	192	-128	-139*38	-153*44	-128	-155
13	-16	-47	-74	-94	-115	-213*34	-215*38	-214*44	-213	-213
14	-166	-187*10	-185	-204*22	-205	-161	-139	-125	-99	-81
15	-205* 2	-197* 8	-196	-186	-176	-4*26	-4*32	-3	25	51
16	-58	-40	-22	-5*20	-4*28	0	17	46	74	95
17	68	51	34	18	128	118	107	97	98	92*56
18	107	131*10	136*14	135	128	99*34	102*38	90	66	31
19	91	83*10	77*16	83	87	-127	-134	-142	-145	-146
20	-1	-32	-58	-81	-106	-92	-67	-28	9	46
21	-135* 4	-137	-134	-127	-113	159	153	152	135	115
22	88	125	143	154	155*28	159	153	152	135	115
23	102	73	59	53	44	40	37	37	44	60

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 18- 3-1974
(DAY NO 77)

HOURS	00	06	12	18	24	30	36	42	48	54
0	68	113	135	148	156	154	144	135	127	119
1	104	88	62*16	65	45*28	49*32	48	48*46	46*52	42*58
2	34	12	-1	-11*22	-16*26	-12	4*40	1	27	39
3	53* 2	50	19*16	0*22	3	2	17	40	52	61*56
4	68	87* 8	105*16	100*22	93	78	56	29	4*52	2*58
5	8	18	43	61	80*28	69*34	72	60	91	115
6	99	80	22	-2	-24	-43	-63	-53*46	-81*52	-80
7	-78* 2	-58*10	-63	-81*20	-80*26	-81	-90*38	-99*44	-98*52	-94
8	-104	-110	-116	-125	-127	-123	-112*40	-109	-80*52	-83
9	-58	-42	-14*14	-19	-21	-16	-16	-13	555	15
10	42	100* 8	123	168	256	291	390	476	555	
11		573	527	456	395	336	294*38	237	192	131
12		46* 8	51*14	38	33	25*34	27	24	19*50	-3
13	86	-105	-117	-80	10	105	163*38	144	61	-10
14	-53	-84	-122	-154*22	-157	-162	-172	-178*46	-186*52	-175*58
15	-179	-169	-137*14	-141*20	-124	-98	-65	-33	-9	7
16	21	28	35	43	42	49	74	104	121	144
17	198	209	218	226	255	270	258	221	186	204
18	195	164	145	138	128*26	140*34	147*40	146	149	150
19	145	137	132	129	120	115	107	100	91	84
20	71	54	45*14	31	20	9	0	-12	-23	-30
21	-41	-46	-49	-55	-48	-55	-58	-51	-48	-49
22	-24	-39*10	-40	-37	-32	-30*32	-24	-19	-22	-16
23	-17	-18	-19	-18	-17	-25	-24	-25	-20	-36

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 19-3-1974
(DAY NO 78)

HOURS	00	06	12	18	24	30	36	42	48	54
0	-39* 4	-44	-61*16	-58	-62*28	-67*34	-69*38	-77*46	-83*50	-89*58
1	-88	-95	-104	-102	-113	-119*32	-123	-127*44	-137*52	-139*58
2	-139* 2	-139	-147*14	-154*22	-149*28	-158*34	-156*38	-164*46	-145*52	-143*56
3	-162* 2	-165* 8	-165*16	-166*22	-168	-165*34	-171*38	-169*44	-172*50	-174*58
4	-175* 4	-174*10	-175*16	-174*20	-176*26	-183*34	-183*38	-182*46	-156*52	-181*58
5	-177* 4	-179* 8	-175	-181*22	-178*26	-184*34	-182*40	-181*46	-158*50	-184*58
6	-187	-145*10	-188*16	-177*20	-183*28	-179*34	-186*40	-182*44	-177*52	-186
7	-184* 2	-158* 8	-176*16	-177	-179*28	-170*34	-172*40	-167*46	-170	-172*56
8	-150* 2	-168	-141	-162	-163	-158	-159*38	-156	-149	-144*58
9	-145	-137* 8	-141	-138	-143	-132	-131	-127	-130	-123*56
10	-125	-120	-125	-125	-122	-124*32	-122	-120	-125	-124
11	-133* 4	-134*10	-137*16	-134*20	-131*26	-135	-137*38	-137*46	-128*52	-130*56
12	-132	-125	-127*14	-119*22	-121	-122	-120*40	-114*46	-114*52	-115*56
13	-115	-120	-117	-116*20	-119*26	-116*32	-118*38	-118	-117*52	-119
14	-120* 4	-116* 8	-115*14	-110	-102*28	-105	-93*40	-84*46	-80	-70
15	-58	-43	-29	-17	5*28	7*34	3*38	2	-2	-10
16	-13* 2	-16* 8	-14*14	7*22	1*26	1	13	23	25	27
17	33	33	33	28	24	26*32	18	16	11	9
18	-4	-15	-23	-30	-41	-44	-52	-54	-59*50	-61
19	-63	-59	-55	-52*20	-53	-56	-58	-60	-70	-72
20	-78	-89	-93	-87	-91	-85	-83*38	-80	-79	-77
21	-83	-95	-99	-110	-114	-120	-130	-130	-130	-133
22	-128* 4	-119* 8	-125	-123	-121	-125	-127	-125	-119*50	-120*56
23	-121	-117	-111	-104	-94*28	-97	-89	-93	-100	-109*56

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 20-3-1974
(DAY NO 79)

HOURS	00	06	12	18	24	30	36	42	48	54
0	-110	-115* 8	-122*16	-125*20	-124*28	-121*32	-118*40	-123*44	-114*52	-117
1	-113	-110	-101*14	-94	-92	-81	-88	-83*44	-89	-96*56
2	-101* 2	-105	-108	-111	-102*28	-101*32	-103	-96	-84*50	-85
3	-71* 4	-75	-65*16	-61*20	-65*28	-61*34	-65	-62	-68	-75
4	-80* 4	-87*10	-89	-91*20	-97	-96*34	-100	-97*46	-101	-102*58
5	-100	-98* 8	-91	-87	-89	-88	-82	-85	-79*50	-81
6	-70* 4	-66* 8	-67*14	-67*22	-71	-68*34	-66*40	-68*44	-65*52	-67*56
7	-62* 2	-68* 8	-63	-65	-72	-68*34	-70	-64	-66	-68
8	-50	-44	-34	-20	-8	3	19	37	43	57
9	67	89	99	107	97	81	73	64	49	34
10	21	5	22	-41	-61	-55	-50	-56	-58	-68
11	-102	-118	-123	-118*22	-122	-116*34	-120	-116	-115	-105*58
12	-107	-97	-91	-89	-83	-69*34	-67*38	-61	-52	-50
13	-42	-36	-32*14	-22	-16*26	-11	-5	4*46	0	4
14	14* 2	8	12*16	8	5	0	-4	-10	-20*52	-22
15	-26	-30	-38	-44	-52*28	-54*34	-50*38	-52	-47	-43
16	-41	-40	-42	-48	-51*26	-53*34	-57	-58*44	-58	-60
17	-59	-57	-59	-62	-64	-65	-65	-63	-63*50	-62
18	-66	-64	-70	-72	-70	-74	-73	-71	-73	-72
19	-68* 4	-65* 8	-65	-69	-71	-61	-56	-56	-64	-68
20	-45	-41	-43	-49	-52	-50	-55	-58	-69	-60
21	-67	-76	-71	-71	-71	-76	-68	-38	-27	-68*58
22	-98	-102*10	-107	-111	-103	-94	-100	-111	-115	-106
23	-100	-102	-99	-101	-102	-104	-103	-103	-107	-112

RRS DISCOVERY CRUISE NUMBER 60
MAGNETIC ANOMALY IN GAMMAS AFTER THE REMOVAL OF IGRF

DATE 21-3-1974
(DAY NO 80)

HOURS	00	06	12	18	24	30	36	42	48	54
0	-107* 2	-111* 8	-108	-103	-105	-110	-104*40	-105*44	-116	-113
1	-119	-118	-117	-116	-116*26	-115	-119	-120*44	-125	-125*56
2	-122	-121* 8	-116	-116	-115*28	-116	-117	-116	-119	-117*56
3	-110* 4	-111	-106	-101*22	-104	-109	-114	-119	-130	-137
4	-140	-139	-134	-137	-126	-122	-122	-129	-130	-133
5	-129	-132	-135	-129	-124	-123	-114	-113	-114	-109
6	-108	-109	-110	-113	-110	-109	-106	-109	-113	-112
7	-111	-111	-110	-109	-109	-110	-109	-106	-106	-105
8	-112* 4	-110	-112	-115	-117	-116	-114	-113	-105	-104
9	-102	-99	-103	-107	-102	-101	-102			
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 28- 2-1974
(DAY MO 59)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	157	170	185	200	217	234	250	267	279	292
1	305	321		356	376	391	411	430	450	471
2	494	514		555	606	660	689	742	801	812
3	857		969	882	924	974	897	917	1000	1022
4	967		991	1004	1028	1036	1061	1112	1118	1094
5	1096	1124	1093	1094	1156	1110	1124	1122	1128	1136
6	1144	1152	1158	1166	1171	1179	1186	1193	1206	1218
7	1235		1206	1213	1217	1218	1223	1225	1229	1233
8	1235	1233	1233	1235	1237	1230	1240	1243	1245	1247
9	1249	1251	1253	1253	1253	1254	1256	1259	1262	1266
10	1268	1270	1274	1276	1278	1281	1284	1286	1288	1289
11	1289	1290	1294	1294	1296	1297	1299	1300	1303	1305
12	1306	1305	1307	1310	1314	1315	1318	1321	1322	1323
13	1327	1329	1330	1331	1331	1337	1343	1346	1346	1346
14	1356	1355	1357	1358	1360	1364	1367	1371	1373	1377
15	1381	1381	1383	1383	1383	1397	1403	1407	1416	1419
16	1426	1430	1428	1436	1442	14 6	1442	1416	1416	1417
17	1418	1428	1440	1463	1483	1531	1564	1576	1576	1573
18	1574	1579	1553	1553	1520	1465	1479	1463	1417	1446
19	1485	1549	1588		1686	1754	1803	1849	1878	1943
20	1994	2009	2023	2028	2032	2041	2043	2043	2046	2060
21	2071	2080	2079	2080	2061	2053	2055	2059	2063	2067
22	2070	2075	2082	2090	2099	2106	2113	2120	2128	2134
23	2167	2172	2176	2182	2183	2182	2188	2190	2192	2194

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 1- 3-1974
(DAY MO 60)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0			2202	2205	2208	2213	2214	2221	2222	2225
1	2230	2239	2246	2257	2259	2258	2258	2259	2258	2260
2	2262	2265	2270	2274	2276	2276	2283	2283	2283	2289
3	2300	2306	2316	2320	2327	23 0	2331	2337	2339	2341
4	2344	2341	2346	2352	2356	2360	2362	2367	2377	2383
5	2388	2394	2401	2404	2408	2410	2410	2409	2411	2413
6	2411	2409	2407	2403	2395	2396	2399	2402	2405	2405
7	2394	2398	2404	2411	2415	2416	2417	2424	2438	2445
8	2451	2456	2459	2463	2465	2465	2461	2459	2461	2467
9	2470	2476	2480	2480	2480	2483	2484	2482	2481	2493
10	2497	2501	2505	2507	2508	2510	2511	2512	2514	2517
11	2522	2525	2529	2533	2535	2539	2548	2550	2552	2551
12	2556	2561	2562	2559	2563	2566	2566	2569	2569	2569
13	2577	2582	2584	2588	2586	2583	2580	2590	2592	2598
14	2590	2591	2591	2591	2592	2592	2594	2595	2595	2614
15	2600	2602	2605	2607	2610	2611	2611	2612	2612	2614
16	2615	2616	2617		2618	2618	2625			2632
17	2636	2636	2638	2639	2638	2640	2640	2640	2640	2641
18	2641	2641	2641	2640	2640	2640	2641	2643	2643	2641
19	2640	2639	2641	2643	2643	2643	2643	2643	2643	2641
20	2643	2640	2651	2338	2350	2512	2639	2638	2637	2652
21		2613	2627	2439	2449	2349	2440	2456	2645	2640
22	2640		2638	2638	2638	2638	2639	2637	2634	2632
23	2628	2619	2611	2603	2588	2592	2592	2595	2596	2577

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 2- 3-1974
(DAY MO 61)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	2472	2400	2381	2333	2293	2335	2478	2484	2447	2494
1	2567	2503	2502	2502	2500	2596	2592	2586	2582	2570
2	2552	2564	2554	2529	2505	2489	2458	2453	2449	2442
3	2440	2392	2346	2325	2315	2308	2271	2274	2241	2241
4	2219	2201	2173	2162	2156	2142	2135	2134	2134	2136
5	2139	2140	2139	2133	2128	2124	2115	2111	2108	2120
6	2136	2149	2165	2169	2169	2165	2155	2148	2153	2153
7	2149	2161	2184	2195	2212	2224	2230	2238	2243	2253
8	2256	2258	2269	2294	2280	2284	2270	2265	2252	2244
9	2219	2191	2198	2197	2196	2194	2198	2206	2213	2224
10	2238	2247	2252	2261	2263	2280	2287	2295	2310	2333
11	2355	2385	2402	2408	2419	2434	2429	2430	2432	2410
12	2404	2407	2408	2412	2419	2419	2421	2420	2414	2377
13	2324	2291	2232	2173	2140	2113	2086	2028	2030	2049
14	2069	2056	2067	2059	2059	2050	2011	1958	1944	1926
15	1905	1903	1332	1906	1934	1955	1961	1966	1981	1992
16	2009	2011	2004	1990	1985	1984	1974	1995	2024	2038
17	2061	2080	2090	2105	2115	2123	2129	2132	2132	2135
18	2137	2140	2115	2105	1986	1918	1916	1980	1970	1862
19	1841	1800	1787	1793	1806	1806	1799	1812	1826	1845
20	1862	1874	1887	1916	1936	1958	1970	1984	1999	2003
21		2036		2077	2090	2107	2137	2155	2179	2194
22	2207	2216	2216	2221	2218	2214	2209	2199	2189	2151
23	2118	2053	2021	2001	2003	2032	2040	2034	2026	2002

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 3- 3-1974
(DAY NO. 63)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1984	1982	1980	1976	1971	1965	1965	1956	1955	1940
1	1932	1939	1940	1940	1940	1923	1913	1924	1924	1913
2	1916	1901	1892	1884	1878	1877	1877	1873	1870	1874
3	1882	1893	1909	1914	1916	1919	1911	1907	1905	1902
4	1901	1893	1912	1913	1907	1909	1910	1905	1893	1897
5	1886	1883	1871	1854	1850	1850	1843	1840	1821	1824
6	1820	1815	1808	1805	1850	1773	1762	1765	1777	1786
7	1791	1799	1810	1811	1817	1818	1814	1826	1825	1839
8	1830		1852	1872	1870	1867	1863	1859	1859	1857
9	1857									
10	1857									
11	1851									
12	1849	1850	1847	1845	1845	1843	1843	1841	1840	1842
13	1899	1857	1866	1868	1870	1874	1879	1883	1892	1897
14	1876	1900	1899	1899	1896	1895	1891	1877	1878	1879
15	1866	1875	1872	1866	1865	1862	1858	1856	1866	1863
16	1845	1849	1835	1808	1793	1768	1777	1795	1806	1826
17	1852	1861	1857	1872	1857	1841	1849	1855	1858	1858
18	1507	1882	1902	1916	1922	1900	1800	1704	1805	1812
19	1507	1406	1401	1424	1525	1568	1843	1931	1926	1924
20	1817	1887	1856	1859	1857	1850	1880	1873	1872	1859
21	1845	1859	1889	1886	1878	1864	1838	1868	1868	1855
22	1850	1852	1864	1893	1901	1897	1884	1875	1868	1872
23	1886	1864	1882	1870	1866	1873				

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 4- 3-1974
(DAY NO. 63)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0					1735	1733	1712	1697	1694	1683
1	1673	1664	1663	1638	1610	1599	1593	1600	1619	1665
2	1706	1782	1951	1937	2042	2073	2130	2163	2245	2302
3	2382	2424	2419	2414	2413	2412	2411	2409	2400	2378
4	2360	2349	2337	2325	2316	2308	2293	2293	2271	2263
5	2253	2244	2230	2193	2169	2149	2105	2087	2063	2059
6	2066	2066	2065	2069	2061	2057	2055	2047	2038	2020
7	1996	1988	2004	2015	2026	2032	2038	2038	2040	2042
8	2045	2043	2041	2031	2024	2034	2072	2091	2119	2140
9	2146	2146	2143	2139	2138	2135	2136	2135	2136	2126
10	2126	2138	2153	2168	2162	2148	2134	2159	2166	2222
11	2254	2270	2284	2293	2316	2333	2356	2375	2390	2399
12	2423	2434	2438	2444	2449	2453	2444	2440	2482	2527
13	2554	2579	2584	2586	2583	2586	2590	2590	2590	2590
14	2592	2592	2581	2583	2590	2586	2568	2568	2548	2550
15	2560	2570	2572	2571	2569	2575	2576	2581	2581	2581
16	2581	2581	2583	2582	2582	2582	2582	2582	2582	2582
17	2582	2582	2582	2582	2583	2583	2583	2583	2583	2583
18	2573	2573	2573	2579	2582	2582	2583	2583	2583	2583
19	2583	2583	2583	2583	2583	2583	2583	2583	2583	2581
20	2581	2581	2581	2581	2581	2581	2581	2581	2574	2571
21	2569	2569	2567	2567	2567	2569	2570	2571	2571	2570
22	2570	2567	2560	2560	2560	2562	2562	2571	2571	2570
23	2567	2567	2566	2564	2561	2562	2562	2563	2564	2566

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 5- 3-1974
(DAY NO. 64)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0						2556	2553	2552	2552	2550
1	2548	2545	2541	2535	2538	2539	2537	2537	2533	2533
2	2532	2529	2527	2520	2512	2507	2495	2498	2498	2499
3	2497	2493	2495	2495	2495	2495	2495	2493	2491	2488
4	2487	2484	2482	2480	2475	2475	2472	2468	2465	2460
5	2457	2454	2451	2449	2442	2436	2430	2425	2423	2422
6	2419	2415	2411	2409	2407	2402	2399	2396	2392	2388
7	2385	2383	2380	2375	2372	2368	2366	2360	2355	2350
8	2346	2344	2340	2337	2333	2327	2325	2319	2315	2312
9	2307	2300	2297	2296	2291	2285	2279	2272	2262	2250
10	2241	2232	2223	2204	2197	2186	2181	2172	2165	2155
11	2150	2134	2121	2095	2087	2080	2076	2076	2075	2072
12	2074	2084		2112	2106	2103	2088	2083	2082	2074
13	2070	2084	2091	2090	2090	2077	2076	2082	2082	2095
14	2094	2098	2083	2070	2065	2051	2042	2050	2046	2065
15	2030	1999	2009	2011	1985	1970	1945	1926	1933	1939
16	1961	1990	1999	2004	2020	2032	2032	2022	2014	2023
17	2021	2032	2034	2022	2001	2020	2030	2043	2065	2066
18	2080	2088	2086	2080	2079	2072	2053	2047	2063	2055
19	2049	2049	2050	2076	2086	2095	2095	2107	2124	2115
20	2128	2125	2124	2125	2138	2133	2147	2150	2169	2175
21	2178	2198	2202	2217	2228	2251	2246	2259	2262	2270
22	2281	2285	2270	2270	2278	2270	2267			
23										

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 6- 3-1974
(DAY NO 65)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0						2415	2414	2417	2430	2436
1	2447	2451	2456	2460	2462	2468	2468	2472	2487	2489
2	2491	2493	2494	2494	2493	2480	2480	2474	2502	2503
3	2501	2501	2503	2508	2511	2515	2511	2510	2508	2507
4	2508	2505	2507	2507	2511	2514	2513	2510	2510	2508
5	2503	2502	2501	2501	2499	2497	2490	2480	2472	2470
6	2468	2463	2453	2453	2448	2443	2436	2424	2415	2394
7	2336	2309	2310	2304	2300	2296	2291	2283	2230	2205
8	2184	2166	2157	2150	2142	2132	2123	2114	2105	2101
9	2105	2116	2124	2128	2136	2145	2157	2163	2178	2184
10	2192	2193	2201	2213	2216	2218	2224	2235	2247	2247
11	2237	2211	2211	2201	2197	2194	2184	2181	2178	2168
12	2159	2156	2155	2151	2148	2149	2152	2149	2143	2143
13	2140	2124	2113	2127	2132	2129	2122	2124	2113	2100
14	2099	2088	2082	2073	2063	2059	2045	2040	2032	2030
15	2032	2034	2036	2042	2043	2049	2047	2047	2042	2043
16	2042	2032	2034	2026	2026	2025	2026	2028	2022	2015
17	2020	2020	2015	2015	2014	2013	2011	2007	2007	2009
18	2001	1995	1989	1999	2003	2003	2005	2007	1988	1984
19	2013	2009	2011	2003	1997	1988	1987	1988	1956	1959
20	1982	1982	1977	1977	1981	1981	1974	1967	1974	1978
21	1957	1954	1951	1954	1954	1957	1961	1963	1969	1978
22	1984	1981	1982	1982	1982	1990	1997	1997	1999	2003
23	2004	2010	2013	2021	2025	2031	2033	2033	2033	2020

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 7- 3-1974
(DAY NO 66)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	2015	2017	2021	2022	2024	2024	2022	2026	2024	2028
1	2029	2032	2034	2038	2045	2051	2052	2053	2056	2057
2	2061	2061	2061	2058	2058	2054	2051	2047	2045	2049
3	2052	2054	2058	2060	2074	2078	2084	2090	2092	2094
4	2101	2115	2133	2140	2149	2149	2151	2158	2166	2170
5	2172	2174	2182	2192	2195	2195	2193	2178	2174	2147
6	2153	2203	2260	2324	2324	2304	2304	2314	2325	2333
7	2336	2337	2339	2341	2345	2345	2345	2344	2344	2341
8	2341	2341	2343	2344	2351	2356	2356	2357	2358	2360
9	2360	2361	2367	2370	2375	2376	2379	2383	2386	2388
10	2388	2392	2397	2400	2402	2404	2409	2411	2413	2417
11	2419	2424	2437	2447	2447	2447	2432	2425	2381	2354
12	2378	2413	2425	2425	2444	2444	2471	2482	2482	2484
13	2484	2480	2484	2484	2477	2475	2373	2436	2458	2463
14	2471	2472	2472	2472	2472	2472	2472	2472	2471	2470
15	2468	2463	2456	2457	2453	2449	2444	2441	2438	2434
16	2429	2427	2425	2421	2417	2412	2409	2404	2402	2402
17	2393	2390	2388	2381	2352	2354	2350	2348	2346	2345
18	2343	2339	2333	2326	2320	2314	2308	2302	2298	2301
19	2301	2295	2291	2285	2279	2269	2256	2253	2247	2242
20	2237	2228	2222	2217	2214	2213	2214	2209	2209	2204
21	2191	2193	2194	2186	2177	2162	2161	2136	2126	2100
22	2104	2092	2070	2049	2011	2003	1965	1930	1803	1862
23	1830	1801	1774	1754			1760	1767	1777	1783

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 8- 3-1974
(DAY NO 67)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1795	1811	1826	1840	1843	1866	1907	1980	1884	1895
1	1905	1913	1924	1938	1953	1963	1974	1987	2000	2014
2	2022	2025	2032	2040	2049	2049	2058	2063	2065	2072
3	2079	2084	2085	2086	2086	2080	2071	2062	2057	2050
4	2060	2060	2072	2080	2098	2111	2122	2125	2129	2134
5	2151	2172	2178	2140	2155	2168	2179	2191	2197	2207
6	2214	2220	2218	2220	2222	2229	2230	2232	2237	2239
7	2248	2249	2249	2251	2252	2251	2247	2243	2240	2257
8	2264	2262	2281	2283	2293	2297	2289	2285	2289	2300
9	2316	2325	2331	2329	2335	2331	2329	2337	2339	2337
10	2346	2348	2346	2352	2358	2356	2352	2356	2354	2356
11	2345	2333	2329	2329	2329	2320	2323	2319	2318	2310
12	2302	2296	2293	2295	2293	2287	2281	2281	2279	2285
13	2291	2300	2297	2310	2335	2346	2346	2346	2346	2352
14	2356	2367	2388	2409	2411	2411	2409	2411	2412	2402
15	2402	2397	2398	2375	2367	2347	2330	2295	2285	2291
16	2266	2253	2226	2199	2182	2170	2153	2126	2115	2018
17	2074	2065	2049	2038	2030	2024	2020	2022	2017	2008
18	2015	2026	2015	2015	2024	2013	2022	2017	2006	1947
19	2001	1997	1999	1997	2013	2011	2007	1972	1928	1857
20	1940	1931	1928	1922	1918	1907	1893	1872	1863	1819
21	1859	1851	1828	1798	1758	1737	1694	1676	1632	1619
22	1603	1584	1574	1549	1532	1529	1516	1485	1481	1473
23	1453	1438	1421	1401	1395	1387	1379	1366	1360	1346

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 09-3-1974
(DAY NO 69)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1339	1331	1328	1338	1348	1368	1375	1397	1411	1428
1	1444	1459	1469	1479	1486	1490	1494	1496	1497	1502
2	1505	1499	1500	1499	1493	1498	1483	1495	1477	1475
3	1463	1467	1471	1473	1456	1462	1438	1453	1467	1474
4	1484	1490	1486	1490	1494	1504	1498	1506	1504	1509
5	1505	1499	1510	1523	1528	1515	1525	1520	1514	1511
6	1506	1500	1490	1481	1469	1455	1425	1409	1431	1463
7	1479	1492	1505	1519	1533	1552	1566	1592	1607	1603
8	1622	1546	1630	1644	1632	1634	1635	1636	1633	1622
9	1609	1602	1595	1591	1588	1589	1593	1599	1600	1610
10	1626	1519	1617	1620	1626	1632	1630	1637	1656	1676
11	1677	1678	1679	1690	1748	1844	1933	2035	2100	2097
12	2095	2091	2098	2101	2101	2103	2103	2104	2109	2105
13	2104	2103	2103	2103	2103	2101	2103	2104	2109	2091
14	2088	2081	2078	2065	2063	2049	2049	2032	2022	2015
15	2005	1995	1980	1970	1958	1953	1951	1932	1938	1928
16	1934	1952	1976	1992	2001	2015	2025	2027	2034	2038
17	2042	2045	2045	2045	2049	2051	2053	2053	2064	2063
18	2080	2081	2090	2102	2107	2109	2109	2130	2134	2145
19	2157	2161	2167	2191	2200	2203	2214	2222	2235	2245
20	2249	2261	2272	2282	2290	2295	2314	2325	2347	2353
21	2352	2358	2370	2375	2378	2377	2375	2377	2388	2287
22	2224	2157	2082	2038	1986	1940	1902	1884	1859	1842
23	1822	1800	1789	1741	1731	1729	1728	1731	1736	1736

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 10-3-1974
(DAY NO 69)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1700	1694	1543	1413	1473	1471	1434	1431	1419	1424
1	1454	1475	1478	1511	1530	1537	1529	1523	1508	1493
2	1488	1498	1533	1582	1537	1586	1628	1636	1654	1667
3	1664	1569	1690	1692	1694	1696	1698	1698	1711	1719
4	1733	1752	1760	1762	1752	1747	1731	1733	1715	1723
5	1721				1991	2054	2179	2244	2324	2383
6	2374	2370	2361	2351	2334	2281	2283	2292	2284	2273
7	2261	2255	2236		2227	2234	2230	2230	2243	2238
8	2220	2227	2224	2222	2217	2202	2187	2181	2169	2167
9	2175	2179	2190	2200	2197	2183	2186	2204	2215	2211
10	2198	2196	2208	2211	2204	2207	2196	2200	2206	2202
11	2200	2211	2212	2215	2213	2211	2211	2215	2216	2214
12	2218	2219	2219	2217	2219	2217	2214	2213	2213	2217
13	2213	2215	2211	2217	2213	2211	2206	2202	2200	2198
14	2198	2202	2192	2191	2181	2181	2178	2177	2179	2175
15	2173	2173	2171	2169	2171	2170	2170	2170	2170	2163
16	2158	2160	2152	2154	2148	2140	2129	2131	2140	2138
17	2129	2121	2123	2121	2127	2114	2106	2102	2097	2092
18	2084	2083	2079	2073	2062	2054	2048	2043	2044	2040
19	2029	2044	2033	2019	2019	2007	2000	2002	2011	2026
20	2043	2042	2045	2052	2056	2059	2054	2052	2047	2045
21	2043	2036	2039	2035	2037	2033	2029	2021	2027	2025
22	2020	2017	2020	2015	2012	2006	2006	2003	2005	2000
23	1996		1991	1992	1987	1984	1984	1984	1981	1977

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 11-3-1974
(DAY NO 70)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1972	1969	1965	1958	1954	1951	1948	1946	1929	1930
1	1923	1913	1915	1917	1904	1894	1908	1916	1921	1907
2	1913	1923	1925	1902	1888	1825	1819	1825	1836	1849
3	1854	1873	1841	1871	1877	1873	1868	1869	1870	1869
4	1867	1865	1864	1859	1852	1851	1844	1844	1839	1833
5	1830	1822	1818	1814	1808	1803	1798	1789	1782	1759
6	1735	1718	1705	1685	1677	1660	1647	1636	1644	1621
7	1604	1606	1596	1594	1583	1573	1569	1569	1555	1536
8	1536	1550	1549	1571	1554	1561	1578	1562	1574	1585
9	1598	1604	1605	1616	1616	1565	1484	1431	1375	1238
10	1150	1046	982	954	927	905	884	864	850	831
11	823	819	817	823	828	839	864	891	888	885
12	886	878	882	901	909	935	943	976	964	968
13	986	919	919	901	872	851	825	805	789	776
14	787	757	749	741	734	726	719	712	707	702
15	699	697	696	699	696	685	684	673	660	658
16	665	671	665	683	692	693	697	644	648	644
17	630	616	606	606	620	638	640	653	689	687
18	691	691	693	750	750	757	771	785	780	791
19	791	807	827	854	854	862	888	880	870	972
20	939	945	988	1015	1001	996	978	971	960	972
21	969	963	945	975	960	1032		938	965	1106
22	1073	1114	1088	1124	1138	1143	1115	1118	1122	1128
23	1126	1132	1139	1148	1128	1173	1177	1179	1175	1191

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 12-3-1974
(DAY NO 71)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1209	1253	1227	1257	1277	1271	1263	1268	1282	1202
1	1198	1233	1270	1319	1333	1336	1333	1337	1327	1316
2	1302	1296	1301	1320	1335	1366	1360	1341	1352	1340
3	1337	1348	1352	1366	1405	1401	1432	1442	1457	1400
4	1501	1477	1444	1458	1479	1489	1500	1514	1522	1545
5	1556	1568	1576	1576	1568	1571	1578	1578	1578	1591
6	1593	1601	1595	1580	1596	1580	1576	1595	1597	1598
7	1587	1590	1578	1584	1572	1567	1551	1546	1543	1557
8	1562	1547	1546	1552	1558	1556	1556	1562	1560	1563
9	1555	1547	1564	1566	1570	1556	1556	1557	1557	1566
10	1547	1539	1534	1544	1555	1551	1550	1549	1555	1551
11	1566	1566	1567	1594	1652	1661	1604		1303	1220
12	1276	1198	1200	1198	1224	1288	1237	1227	1231	1240
13	1252	1254	1313	1356	1374	1375	1303	1403	1428	1496
14	1254	1567	1541	1582	1624	1651	1677	1677	1680	1696
15	1713	1737	1715	1742	1720	1737	1740	1737	1725	1735
16	1721	1766	1655	1644	1620	1626	1632	1661	1665	1671
17	1688	1682	1677	1676	1688	1694	1721	1733	1742	1737
18	1772	1793	1814	1837	1834	1841	1852	1858	1854	1843
19	1843	1848	1854	1855	1868	1883	1904	1917	1918	1910
20	1918	1905	1862	1844	1836	1835	1825	1823	1821	1825
21	1827	1827	1829	1830	1829	1820	1833	1829	1823	1831
22	1833	1828	1833	1835	1833	1834	1835	1835	1834	1837
23	1837	1837	1841	1840	1840	1852	1855	1858	1858	1864

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 13-3-1974
(DAY NO 72)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1885	1899	1913	1923	1953	1974	1971	1945	1928	1922
1	1920	1916	1918	1908	1891	1885	1874	1879	1872	1867
2	1862	1864	1860	1848	1852	1861	1863	1853	1841	1852
3	1839	1837	1843	1844	1837	1823	1824	1811	1805	1814
4	1823	1818	1811	1816	1806	1820	1833	1843	1828	1831
5	1764	1527	1518	1459	1393	1342	1286	1271	1228	1160
6	1120	1101	1112	1091	1073	1063	1053	1034	1027	1033
7	1012	1016	1034	1127	1234	1325	1397	1470	1527	1542
8	1568	1572	1588	1604	1615	1617	1613	1626	1626	1624
9	1620		1589	1581	1560	1560	1564	1572	1570	1597
10	1587	1591	1569	1565	1545	1532	1527	1517	1498	1475
11	1473	1477	1475	1485	1502	1510	1512	1520	1514	1518
12	1520	1531	1535	1536	1564	1587	1590	1608	1622	1642
13	1667	1664	1674	1688	1700	1710	1721	1736	1746	1748
14	1744	1756	1769	1750	1769	1748	1748	1758	1754	1771
15	1771	1762	1769	1757	1756	1783	1785	1797	1806	1812
16	1833	1852	1845	1853	1839	1812	1823	1862	1872	1845
17	1827	1813	1787	1787	1793	1781	1762	1760	1775	1785
18	1752	1798	1825	1838	1840	1842	1842	1834	1821	1835
19	1836	1873	1879	1838	1869	1879	1877	1871	1879	1888
20	1896	1902	1913	1919	1931	1940	1948	1952	1952	1953
21	1952	1949	1952	1951	1952	1951	1954	1955	1951	1944
22	1942	1933	1931	1927	1917	1912	1895	1903	1902	1902
23	1903	1898	1897	1907	1911	1908	1921	1921	1923	1916

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 14-3-1974
(DAY NO 73)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1911	1906	1900	1873	1867	1873	1888	1882	1877	1854
1	1861	1857	1865	1863	1854	1855	1854	1857	1851	1815
2	1812	1802	1805	1796	1792	1785	1776	1767	1760	1739
3	1745	1740	1743	1729	1730	1736	1722	1721	1714	1709
4	1707	1704	1699	1678	1670	1666	1661	1664	1645	1647
5	1651	1646	1629	1624	1633	1618	1616	1604	1614	1603
6	1596	1580	1589	1574	1568	1568	1547	1557	1541	1541
7	1539	1538	1538	1523	1508	1522	1519	1502	1512	1508
8	1502	1510	1490	1502	1508	1510	1510	1520	1521	1514
9	1508		1350	1264	1196		1066	1020	973	952
10	927	884	847	817	794	776	768	762	758	756
11	758	757	757	757	747	734	725	719	719	709
12	707	704	710	692	690	690	684	688	682	677
13	675	675	680	679	673	673	673	673	673	673
14	675	675	674	674	675	676	676	676	678	680
15	681	684	688	692	695	700	706	711	717	720
16	721	719	719	717	717	717	717	717	719	719
17	719	719	721	725	729	733	737	745	755	772
18	776	817	849	884	927	971	1024	1088	1210	1303
19	1389	1465	1512	1490	1484	1471		1416	1403	1396
20	1395	1394	1404	1397	1401	1393	1391	1392	1416	1412
21	1397	1389	1387	1408	1406	1415	1425	1422	1424	1418
22	1404	1416	1416	1412	1420	1416	1420	1424	1422	1441
23	1449	1456	1445	1451	1457	1453	1457	1471	1486	1496

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 15-3-1974
(DAY NO 74)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1510	1531	1562	1591	1652	1649	1690	1723	1754	1757
1	1787	1803	1823	1834	1837	1836	1838	1806	1785	1808
2	1858	1904	1943	2008	2041	2037	2039	2045	2045	2045
3	2045	2046	2047	2049	2051	2052	2055	2056	2054	2057
4	2054	2053	2029	1996	2004	2029	2045	2056	2074	2081
5	2085	2090	2086	2102	2108	2125	2131	2125	2129	2133
6	2129	2128	2138	2141	2148	2151	2145	2138	2138	2152
7	2161	2146	2136	2142	2146	2153	2140	2122	2125	2122
8	2104	2107	2095	2086	2079	2062	2044	2018	2001	1995
9	2025	2045	2042	2051	2052	2054	2048	2045	2047	2046
10	2042	2043	2046	2045	2049	2052	2049	2052	2055	2055
11	2055	2056	2054	2056	2058					
12										
13										
14										
15										
16									1789	1742
17	1719	1688	1659	1618	1616	1607	1597	1593	1599	1587
18	1579	1501	1585	1582	1574	1582	1589	1595	1609	1624
19	1630	1618	1628	1638	1632	1624	1603	1591	1609	1599
20	1560	1562	1535	1496	1467	1431	1401	1385	1362	1346
21	1331	1314	1303	1289	1272	1262	1258	1247	1238	1241
22	1231	1227	1226	1227	1223	1221	1215	1207	1195	1187
23	1174	1164	1163	1163	1190	1221	1241	1251	1260	1253

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 16-3-1974
(DAY NO 75)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1214	1247	1255	1260	1265	1297	1314	1331	1362	1396
1	1401	1391	1380	1370	1359	1349	1336	1320	1312	1312
2	1324	1330	1339	1346	1353	1356	1358	1362	1364	1365
3	1369	1369	1365	1366	1368	1366	1366	1364	1367	1365
4	1364	1362	1363	1358	1350	1357	1359	1356	1357	1358
5	1361	1359	1364	1364	1363	1362	1363	1370	1360	1368
6	1368	1368	1366	1367	1350	1356	1361	1359	1345	1361
7	1346	1341	1334	1344	1327	1324	1334	1344	1319	1320
8	1336	1323	1315	1311	1316	1305	1316	1312	1313	1313
9	1336	1307	1307	1310	1305	1311	1305	1303	1309	1316
10	1310	1319	1325	1327	1344	1344	1344	1343	1352	1356
11	1312	1362	1358	1372	1361	1363	1370	1352	1362	1358
12	1349									
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 17-3-1974
(DAY NO 76)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0										
1										
2										
3										
4										
5										
6										
7										
8										
9							1820	1791	1733	1702
10	1665	1553	1605	1577	1554	1531	1501	1481	1467	1436
11	1411	1422	1395	1389	1391	1384	1395	1399	1389	1385
12	1375	1389	1364	1367	1359	1355	1352	1366	1352	1356
13	1352	1346	1355	1343	1332	1334	1339	1329	1328	1328
14	1323	1325	1323	1320	1320	1327	1320	1330	1327	1329
15	1332	1327	1337	1330	1335	1333	1331	1331	1332	1337
16	1333	1333	1335	1329	1337	1327	1335	1335	1337	1337
17	1344	1344	1342	1344	1337	1342	1335	1337	1339	1334
18	1342	1336	1339	1339	1344	1346	1350	1352	1360	1360
19	1362	1373	1372	1379	1393	1387	1381	1391	1403	1403
20	1416	1426	1438	1438	1442	1455	1466	1473	1485	1496
21	1507	1510	1527	1529	1547	1546	1551	1570	1582	1591
22	1601	1612	1636	1648	1644	1656	1648	1655	1655	1655
23	1663	1671	1671	1675	1676	1690	1690	1688	1677	1683

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 18- 3-1974
(DAY NO 77)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	1690	1700	1700	1704	1710	1712	1712	1713	1715	1714
1	1714	1717	1714	1712	1709	1706	1701	1695	1690	1678
2	1673	1659	1650	1643	1636	1633	1628	1619	1609	1598
3	1588	1578	1568	1560	1541	1527	1518	1509	1496	1485
4	1475	1467	1464	1463	1464	1466	1461	1411	1346	1282
5	1221	1112	1018	943	881	818	760	714	688	672
6	655	435	615	602	584	568	539	515	485	438
7	411	361	319	285	266	260	249	233	216	204
8	196	186	177	167	155	147	139	133	127	123
9	120	116	114	108	102	94	90	89	89	88
10	89	89	85	85	85	83	81	81	81	83
11	83	83	83	85	85	83	84	86	87	87
12	86	87	87	90	90	94	95	96	97	99
13	101	104	105	107	108	109	111	112	115	118
14	120	122	124	126	129	131	131	134	135	137
15	139	141	143	146	149	151	153	155	158	161
16	163	165	168	170	170	174	174	176	174	174
17			184	184	186	188	190	192	192	190
18	194	195	196	198	200	202	204	209	209	211
19	213	215	215	217	221	223	225	227	231	232
20	235	237	239	241	244	246	249	252	254	256
21	258	260	263	266	268	270	272	274	277	270
22	282	284	286	289	291	293	295	298	300	302
23	305	307	308	310	312	313		317	319	321

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 19- 3-1974
(DAY NO 78)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	325	329	329	331	333	333	339	343	347	348
1	350	351	354	357	354	358	365	367	380	388
2	392	389		407	402		396	400	404	400
3	415	423	431	439	448	457	468	475	483	491
4	498	505	511	518	526	533	540	547	555	564
5	573	581	590	600	611	621	631	644	654	671
6	679	691	703	716	729	740	750	762	773	783
7	793	802	812	818	834	838	848	857	865	873
8	879	888	899	906	914	920	928	934	939	944
9	951	957	967	967	969	973	977	983	989	995
10		1010	1018	1025	1032	1038	1043	1050	1055	1059
11		1065	1075	1080	1083	1085	1094		1100	1104
12	1106	1111	1114	1118	1122	1126	1130	1141	1143	1149
13	1151	1155	1159	1165	1173	1173	1178	1182	1197	1192
14	1198	1202	1206	1211	1216	1223	1229	1234	1249	1243
15	1249	1255	1260	1266	1270	1272	1276	1278	1280	1282
16	1284	1288	1292	1294	1296	1298	1300	1309	1319	1333
17	1335	1342	1342	1348	1354	1360	1368	1374	1383	1411
18	1521	1416	1379	1424	1448	1401	1366	1364	1364	1362
19	1362	1389	1448	1407	1370	1358	1362	1364	1360	1360
20	1354	1354	1354	1352	1352	1356	1357	1357	1360	1364
21	1367	1368	1369	1374	1367	1360	1352	1343	1334	1323
22	1305	1281	1257	1240	1231	1230	1230	1235	1215	1192
23	1133	1106	1088	1050	1013	987	964	940	916	891

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 20- 3-1974
(DAY NO 79)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0		853	838	828	817	808	802	799	795	788
1	783	777	775	773	772	771	770	771	771	772
2	773	773	771	767	767	763	760	759	754	752
3	750	750	750	749	746	744	740	738	734	732
4	730	724	719	716	710	705	702	697	691	686
5	680	673	666	658	650	642	636	628	621	614
6	605	599	591	584	578	572	567	560	554	551
7	545	541	537	534	529	524	521	516		505
8	499	491	485	473	456	438	401	381	372	364
9	354	336	319	315	295	278	278	269	256	246
10	237	227	221	213	204	198	192	186	182	178
11	174	168	163	161	155	149	145	139	135	129
12	122	116	111	106	102	100	95	92	83	86
13	85	84	83	83	82	80	80	80	79	78
14	76	76	75	74	74	73	72	72	71	71
15	71	71	71	71	71	71	71	71	72	72
16	73	73	74	75	75	77	77	75	73	73
17	73	73	71	71	69	68	64	64	62	61
18	61	62	64	66	68	70	72	74	74	70
19	70	68	66	62	62	60	58	56	54	56
20	57	58	64	67	68	69	70	72	73	73
21	74	74	75	74	74	74	74	74	74	70
22		72	72	72	72	71	70	70	70	70
23	69	69	70	70	69	68	68	67	66	66

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED FATHOMS

DATE 21-3-1974
(DAY NO 80)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	64	62	62	62	65	64	65	64	65	65
1	66	63	60	62	64	66	68	69	68	67
2	66	61	58	56	56	60	60	59	65	66
3	66	68	68	69	70	70	70	68	67	64
4	63	62	62	61	61	60	60	59	58	58
5	56	56	56	56	56	56	56	55	54	55
6	54	54	54	54	54	54	54	53	54	54
7	53	53								
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 2- 2-1974
(DAY NO 59)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	287	310	338	365	396	427	457	488	510	534
1	557	587		651	687	715	751	786	822	861
2	903	940		1014	1108	1207	1260	1356	1464	1484
3	1567		1589	1613		1689	1640	1677	1828	1869
4	1768	1772	1836	1836	1880	1894	1940	2033	2044	2000
5	2004	2055	1998	2000	2114	2029	2055	2051	2062	2077
6	2092	2106	2117	2132	2141	2156	2168	2181	2205	2227
7	2258		2205	2218	2225	2227	2236	2240	2247	2254
8	2258	2254	2258	2258	2262	2265	2267	2273	2276	2280
9	2284	2287	2291	2291	2291	2293	2296	2302	2307	2315
10	2318	2322	2329	2333	2337	2337	2348	2351	2355	2357
11	2357	2359	2366	2366	2370	2371	2373	2377	2382	2386
12	2388	2386	2390	2395	2403	2404	2410	2415	2417	2419
13	2426	2430	2432	2434	2434	2445	2456	2461	2461	2461
14	2479	2478	2481	2483	2487	2494	2499	2507	2510	2519
15	2525	2525	2529	2529	2547	2554	2565	2573	2589	2595
16	2607	2615	2611	2626	2637	2626	2637	2659	2689	2691
17	2593	2611	2633	2675	2717	2709	2800	2860	2882	2876
18	2878	2887	2840	2840	2779	2799	2704	2675	2591	2644
19	2715	2832	2904		3083	3207	3297	3381	3424	3553
20	3646	3674	3699	3708	3716	3737	3735	3736	3741	3767
21	3787	3803	3802	3803	3799	3792	3758	3765	3772	3790
22	3785	3794	3807	3822	3828	3851	3864	3877	3891	3902
23	3963	3972	3979	3990	3992	3990	4001	4005	4008	4012

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 1- 3-1974
(DAY NO 60)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0			4027	4032	4037	4047	4052	4061	4063	4069
1	4078	4094	4107	4127	4131	4129	4129	4131	4129	4133
2	4136	4142	4151	4158	4162	4162	4175	4184	4193	4202
3	4206	4217	4235	4242	4255	4261	4262	4273	4277	4281
4	4286	4281	4290	4301	4308	4315	4328	4328	4347	4358
5	4367	4378	4390	4396	4403	4407	4407	4405	4409	4412
6	4409	4405	4401	4394	4379	4381	4387	4392	4379	4379
7	4378	4385	4396	4409	4416	4418	4420	4433	4458	4471
8	4482	4491	4497	4504	4507	4507	4500	4497	4500	4511
9	4517	4528	4535	4535	4535	4540	4542	4548	4555	4559
10	4566	4573	4581	4584	4586	4590	4592	4593	4597	4603
11	4612	4617	4625	4632	4636	4643	4659	4663	4667	4665
12	4674	4683	4685	4685	4687	4692	4692	4698	4705	4705
13	4712	4721	4725	4732	4739	4729	4736	4736	4736	4736
14	4736	4738	4738	4738	4740	4740	4743	4745	4747	4751
15	4786	4788	4784	4784	4773	4774	4774	4776	4776	4780
16	4782	4784	4785	4785	4787	4787	4800	4800	4800	4813
17	4820	4820	4824	4826	4824	4828	4828	4828	4828	4829
18	4829	4829	4829	4828	4828	4828	4828	4833	4833	4829
19	4828	4826	4829	4833	4833	4833	4833	4833	4833	4829
20	4833	4828	4828	4825	4827	4833	4826	4826	4826	4740
21		4778	4804	4460	4286	4295	4462	4857	4837	4829
22	4828		4824	4824	4824	4824	4824	4822	4817	4813
23	4806	4789	4774	4760	4732	4740	4740	4745	4747	4712

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 2- 3-1974
(DAY NO 61)

HOURS	00	06	12	18	MINUTES 24	30	36	42	48	54
0	4520	4389	4354	4266	4193	4270	4531	4542	4475	4542
1	4694	4760	4758	4758	4754	4747	4740	4729	4721	4700
2	4667	4689	4670	4625	4581	4551	4495	4486	4478	4465
3	4462	4374	4290	4251	4233	4220	4153	4159	4098	4098
4	4058	4025	3973	3953	3942	3917	3904	3902	3902	3906
5	3911	3913	3900	3911	3888	3888	3887	3860	3855	3877
6	3906	3930	3961	3966	3966	3959	3941	3928	3937	3937
7	3930	3952	3994	4014	4045	4067	4078	4092	4101	4120
8	4125	4129	4149	4195	4169	4176	4151	4142	4118	4103
9	4058	4006	4019	4017	4016	4012	4019	4034	4047	4057
10	4092	4109	4118	4134	4138	4169	4182	4197	4224	4266
11	4306	4361	4392	4403	4423	4451	4442	4443	4447	4407
12	4396	4401	4403	4411	4423	4423	4427	4425	4414	4347
13	4250	4081	3973	3913	3913	3864	3814	3709	3712	3747
14	3783	3760	3780	3765	3765	3749	3677	3580	3555	3522
15	3483	3441	3485	3485	3536	3575	3586	3595	3622	3642
16	3674	3677	3664	3639	3630	3628	3613	3648	3701	3727
17	3769	3803	3838	3849	3867	3882	3891	3899	3899	3904
18	3908	3913	3867	3631	3507	3507	3503	3438	3419	3405
19	3366	3291	3268	3279	3302	3302	3290	3313	3339	3374
20	3405	3427	3450	3503	3540	3580	3602	3628	3655	3653
21		3723	3798	3798	3822	3853	3908	3941	3984	4012
22	4036	4052	4052	4061	4056	4048	4039	4021	4003	3933
23	3873	3754	3696	3659	3663	3716	3730	3719	3705	3661

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 3- 3-1974
(DAY MO 63)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	3628	3624	3621	3613	3604	3593	3593	3577	3575	3567
1	3533	3546	3547	3547	3547	3516	3498	3518	3519	3498
2	3503	3476	3460	3445	3434	3432	3432	3425	3419	3427
3	3441	3480	3491	3497	3503	3509	3494	3487	3483	3478
4	3476	3461	3496	3498	3487	3491	3493	3483	3461	3450
5	3440	3441	3421	3390	3383	3383	3370	3364	3348	3330
6	3328	3319	3306	3300	3300	3242	3222	3227	3229	3246
7	3275	3290	3310	3311	3322	3324	3317	3339	3355	3363
8	3346		3386	3423	3419	3414	3407	3399	3399	3396
9	3396									
10	3385	3383	3377	3374	3374	3370	3370	3266	3364	3368
11	3387	3396	3412	3414	3419	3427	3436	3443	3460	3469
12	3477	3474	3472	3472	3467	3465	3459	3432	3434	3434
13	3477	3479	3423	3412	3410	3405	3397	3394	3412	3407
14	3430	3421	3355	3306	3260	3233	3249	3282	3302	3330
15	3417	3403	3396	3423	3396	3366	3379	3392	3307	3307
16	3374	3441	3478	3503	3514	3474	3291	3116	2916	2765
17	3386	2576	2562	2604	2788	2867	3370	3531	3522	3518
18	2766	3450	3394	3390	3396	3399	3438	3434	3423	3399
19	3496	3399	3454	3449	3434	3408	3361	3416	3416	3392
20	3374	3386	3408	3461	3476	3469	3445	3429	3416	3423
21	3383	3408	3441	3419	3412	3425				
22	3449									
23										

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 4- 3-1974
(DAY MO 63)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0					3172	3169	3130	3103	3097	3077
1	3059	3043	3041	2995	2944	2924	2913	2926	2960	2944
2	3119	3258	3385	3542	3734	3791	3895	3955	4105	4209
3	4356	4433	4423	4414	4412	4411	4409	4405	4389	4348
4	4315	4295	4273	4251	4235	4220	4193	4171	4153	4138
5	4120	4103	4078	4010	3966	3930	3849	3816	3772	3765
6	3778	3778	3776	3783	3769	3761	3758	3743	3727	3694
7	3650	3635	3664	3685	3705	3716	3727	3727	3730	3734
8	3739	3736	3732	3714	3701	3719	3789	3824	3875	3913
9	3924	3924	3919	3911	3909	3904	3906	3904	3906	3888
10	3888	3909	3937	3964	3953	3928	3902	3943	3961	4043
11	4122	4151	4176	4193	4235	4266	4308	4243	4370	4387
12	4431	4451	4458	4469	4478	4486	4469	4462	4539	4621
13	4670	4716	4725	4729	4723	4729	4736	4736	4736	4736
14	4740	4740	4720	4723	4736	4736	4696	4689	4659	4663
15	4681	4700	4703	4701	4698	4709	4710	4720	4720	4720
16	4720	4720	4723	4721	4721	4721	4721	4721	4723	4721
17	4721	4721	4721	4721	4723	4723	4723	4723	4723	4714
18	4705	4705	4705	4716	4721	4721	4723	4723	4721	4720
19	4723	4723	4723	4723	4723	4723	4723	4723	4723	4723
20	4720	4720	4720	4720	4720	4720	4720	4720	4707	4701
21	4698	4698	4694	4694	4694	4698	4700	4701	4701	4700
22	4700	4694	4681	4681	4681	4685	4685	4687	4689	4692
23	4694	4694	4692	4689	4683					

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 5- 3-1974
(DAY MO 64)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0						4674	4668	4667	4667	4663
1	4659	4654	4646	4636	4641	4643	4639	4628	4632	4632
2	4630	4625	4621	4608	4621	4593	4584	4568	4573	4570
3	4566	4559	4562	4562	4562	4562	4562	4559	4553	4550
4	4548	4542	4539	4535	4526	4520	4520	4513	4507	4498
5	4493	4487	4482	4478	4465	4454	4443	4434	4431	4429
6	4423	4416	4409	4405	4401	4392	4385	4381	4374	4367
7	4361	4358	4352	4343	4337	4330	4326	4315	4306	4297
8	4290	4286	4279	4273	4266	4255	4251	4240	4233	4228
9	4219	4206	4200	4198	4189	4178	4167	4155	4136	4114
10	4098	4081	4065	4030	4017	3997	3988	3972	3959	3941
11	3931	3902	3878	3831	3816	3803	3796	3796	3794	3789
12	3792	3811	3822	3862	3851	3845	3818	3809	3807	3792
13	3785	3811	3824	3822	3803	3798	3796	3807	3822	3831
14	3729	3836	3809	3785	3776	3750	3734	3749	3741	3776
15	3712	3655	3674	3677	3630	3602	3557	3522	3535	3546
16	3586	3639	3655	3664	3694	3716	3716	3697	3683	3699
17	3696	3716	3719	3697	3659	3694	3712	3736	3776	3778
18	3803	3818	3814	3803	3802	3789	3754	3743	3772	3758
19	3747	3747	3749	3796	3814	3831	3831	3853	3884	3867
20	3891	3886	3884	3886	3909	3900	3926	3931	3966	3977
21	3983	4019	4027	4054	4074	4116	4107	4131	4136	4151
22	4171	4178	4151	4151	4166	4151	4145			
23										

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 4- 3-1974
(DAY NO 65)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0						4416	4414	4420	4443	4454
1	4475	4482	4491	4498	4502	4513	4513	4520	4548	4551
2	4555	4559	4561	4561	4559	4535	4535	4542	4575	4577
3	4573	4573	4577	4586	4592	4599	4592	4592	4586	4584
4	4586	4581	4584	4584	4592	4597	4595	4592	4590	4586
5	4577	4575	4573	4573	4570	4566	4553	4535	4520	4517
6	4513	4504	4486	4486	4476	4467	4454	4433	4416	4378
7	4272	4222	4224	4213	4206	4190	4134	4111	4078	4032
8	3994	3961	3944	3931	3917	3899	3882	3866	3849	3822
9	3849	3869	3884	3891	3906	3922	3944	3964	3983	3994
10	4008	4010	4025	4047	4052	4056	4067	4087	4109	4109
11	4091	4043	4043	4025	4017	4012	3994	3983	3983	3984
12	3948	3942	3941	3928	3928	3930	3935	3930	3919	3919
13	3913	3884	3864	3889	3899	3893	3880	3884	3864	3854
14	3838	3818	3807	3791	3772	3765	3741	3730	3716	3712
15	3716	3719	3723	3734	3736	3747	3743	3743	3743	3736
16	3734	3716	3719	3705	3705	3703	3703	3703	3670	3685
17	3694	3694	3685	3685	3683	3681	3677	3677	3670	3674
18	3659	3648	3637	3655	3663	3663	3665	3670	3670	3674
19	3681	3674	3677	3663	3652	3635	3633	3633	3635	3631
20	3624	3624	3615	3633	3633	3622	3610	3589	3577	3582
21	3578	3573	3567	3573	3577	3578	3586	3589	3610	3617
22	3628	3622	3624	3639	3639	3657	3652	3652	3655	3663
23	3664	3675	3681	3696	3703	3714	3717	3717	3717	3694

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 7- 3-1974
(DAY NO 66)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	3685	3688	3696	3697	3701	3701	3697	3705	3701	3708
1	3710	3716	3719	3727	3739	3750	3752	3754	3760	3761
2	3769	3769	3769	3769	3763	3756	3750	3743	3730	3747
3	3752	3756	3763	3769	3792	3800	3811	3822	3825	3829
4	3842	3875	3900	3913	3930	3930	3933	3946	3961	3968
5	3972	3975	3990	4008	4014	4014	4010	3983	3975	3976
6	3937	4028	4133	4158	4176	4195	4213	4231	4251	4266
7	4272	4273	4277	4281	4288	4288	4288	4286	4286	4281
8	4281	4281	4284	4286	4299	4308	4308	4310	4312	4315
9	4315	4317	4328	4334	4343	4345	4350	4358	4363	4367
10	4367	4374	4385	4389	4392	4396	4405	4409	4412	4420
11	4423	4433	4456	4475	4475	4475	4447	4434	4354	4304
12	4348	4434	4434	4434	4469	4518			4539	4542
13	4542	4535	4542	4542	4529	4434	4339	4454	4495	4504
14	4518	4520	4520	4520	4520	4520	4520	4520	4518	4517
15	4513	4504	4497	4493	4486	4478	4465	4464	4458	4451
16	4442	4438	4434	4427	4411	4411	4405	4396	4392	
17	4376	4370	4367	4354	4301	4304	4297	4294	4290	4288
18	4284	4277	4266	4253	4242	4231	4220	4209	4202	4208
19	4208	4197	4189	4178	4167	4149	4125	4120	4109	4100
20	4091	4074	4063	4054	4048	4047	4048	4039	4021	4012
21	4006	4010	4012	3997	3981	3953	3952	3960	3988	3986
22	3847	3825	3785	3747	3677	3663	3593	3529	3461	3405
23	3346	3293	3244	3207			3218	3231	3249	3260

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 8- 3-1974
(DAY NO 67)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	3282	3311	3339	3364	3370	3412	3487	3438	3445	3445
1	3483	3498	3518	3544	3571	3589	3610	3633	3682	3682
2	3697	3703	3716	3730	3747	3747	3743	3772	3776	3780
3	3802	3811	3813	3814	3814	3803	3787	3777	3761	3768
4	3767	3767	3789	3803	3836	3860	3880	3886	3892	3902
5	3933	3972	3983	3913	3941	3964	3984	4004	4017	4026
6	4048	4059	4056	4059	4063	4076	4078	4081	4091	4094
7		4111	4112	4116	4118	4116	4109	4101	4112	4127
8	4140	4136	4171	4175	4193	4200	4186	4178	4186	4206
9	4235	4251	4262	4259	4270	4262	4259	4273	4273	4273
10	4290	4294	4290	4301	4312	4308	4301	4308	4304	4308
11	4288	4266	4259	4242	4259	4242	4242	4239	4239	4224
12	4209	4198	4193	4197	4193	4182	4171	4171	4167	4178
13	4189	4206	4200	4224	4270	4290	4290	4290	4301	4301
14	4308	4328	4367	4405	4409	4409	4405	4409	4411	4392
15	4392	4383	4367	4343	4328	4292	4261	4197	4178	4198
16	4144	4120	4070	4021	3990	3968	3937	3938	3867	3875
17	3792	3776	3747	3727	3712	3701	3694	3697	3695	3690
18	3685	3705	3685	3685	3701	3681	3697	3689	3689	3672
19	3659	3652	3655	3652	3681	3677	3670	3666	3655	3660
20	3547	3531	3525	3514	3507	3487	3461	3423	3407	3396
21	3399	3385	3343	3288	3215	3176	3097	3065	2984	2984
22	2931	2896	2878	2832	2801	2796	2772	2715	2708	2693
23	2657	2629	2598	2562	2551	2536	2521	2493	2487	2461

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 09-3-1974
(DAY NO 69)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	2448	2434	2428	2446	2465	2501	2514	2554	2580	2611
1	2640	2668	2686	2704	2717	2724	2732	2735	2737	2744
2	2752	2741	2743	2741	2730	2739	2712	2734	2701	2697
3	2675	2682	2690	2693	2662	2673	2629	2657	2682	2695
4	2713	2724	2717	2724	2732	2750	2739	2754	2750	2759
5	2752	2741	2717	2785	2794	2770	2768	2779	2788	2763
6	2754	2743	2724	2708	2686	2660	2607	2576	2617	2675
7	2704	2728	2752	2777	2803	2838	2863	2911	2938	2931
8	2966	3010	2980	3005	2984	2988	2988	2991	2986	2966
9	2942	2929	2916	2909	2904	2905	2913	2924	2926	2944
10	2973	2960	2957	2962	2973	2984	2980	2993	3028	3065
11	3066	3068	3070	3090	3106	3172	3525	3721	3840	3834
12	3831	3824	3836	3842	3842	3845	3845	3947	3849	3849
13	3847	3845	3845	3845	3845	3842	3845	3840	3834	3824
14	3818	3805	3800	3776	3772	3747	3747	3716	3697	3685
15	3666	3648	3621	3602	3580	3571	3567	3533	3544	3525
16	3536	3529	3513	3542	3559	3685	3705	3706	3719	3727
17	3734	3739	3739	3739	3747	3750	3754	3754	3774	3772
18	3803	3822	3844	3853	3853	3856	3856	3895	3902	3922
19	3944	3952	3963	4006	4023	4028	4048	4063	4097	4105
20	4112	4134	4155	4173	4187	4197	4231	4270	4292	4303
21	4301	4312	4334	4343	4348	4347	4343	4347	4294	4182
22	4067	3944	3807	3728	3631	3547	3478	3445	3399	3368
23	3332	3291	3271	3183	3165	3161	3160	3165	3174	3174

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 10-3-1974
(DAY NO 69)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	3108	3097	2921	2584	2693	2690	2622	2617	2595	2604
1	2659	2697	2702	2702	2798	2910	2794	2785	2757	2740
2	2721	2739	2803	2893	2810	2900	2977	2991	3024	3048
3	3043	3052	3090	3094	3097	3101	3105	3091	3129	3143
4	3169	3204	3218	3222	3204	3194	3165	3169	3136	3151
5	3147				3641	3756	4103	4103	4250	4358
6	4341	4334	4317	4299	4268	4171	4175	4191	4174	4156
7	4134	4123	4089		4072	4085	4078	4101	4087	4092
8	4059	4072	4067	4063	4054	4027	3999	3989	3966	3943
9	3977	3984	4005	4017	4023	3992	3997	4030	4050	4043
10	4019	4016	4037	4043	4030	4036	4016	4023	4034	4027
11	4023	4043	4045	4050	4047	4043	4043	4050	4054	4052
12	4056	4058	4058	4054	4054	4058	4044	4047	4047	4044
13	4047	4050	4043	4054	4047	4043	4034	4027	4023	4019
14	4019	4027	4008	4006	3988	3988	3982	3981	3984	3977
15	3973	3973	3970	3966	3963	3968	3970	3968	3968	3955
16	3946	3950	3935	3942	3928	3913	3903	3897	3913	3909
17	3893	3878	3882	3878	3889	3866	3851	3844	3834	3825
18	3811	3809	3802	3791	3770	3756	3745	3745	3738	3730
19	3710	3738	3717	3692	3692	3670	3657	3661	3677	3723
20	3736	3734	3739	3752	3760	3765	3756	3752	3743	3739
21	3736	3723	3723	3721	3725	3717	3710	3696	3706	3703
22	3694	3688	3694	3685	3679	3668	3668	3663	3666	3657
23	3650		3641	3642	3633	3628	3628	3628	3622	3615

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 11-3-1974
(DAY NO 70)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	3606	3500	3593	3580	3573	3567	3562	3558	3527	3529
1	3516	3498	3520	3505	3482	3463	3489	3503	3513	3487
2	3498	3516	3520	3478	3379	3337	3326	3337	3357	3381
3	3390	3425	3439	3421	3432	3425	3416	3418	3419	3418
4	3414	3410	3408	3399	3386	3385	3372	3372	3363	3352
5	3345	3332	3324	3317	3306	3297	3283	3271	3259	3216
6	3172	3141	3118	3081	3066	3035	3012	2991	3006	2964
7	2933	2937	2918	2915	2894	2876	2869	2869	2843	2809
8	2809	2834	2832	2873	2841	2854	2885	2856	2878	2898
9	2922	2933	2935	2955	2862	2713	2617	2514	2414	2244
10	2103	1912	1795	1744	1695	1655	1616	1580	1554	1519
11	1505	1497	1494	1505	1514	1534	1529	1529	1523	1618
12	1620	1605	1613	1647	1662	1709	1724	1784	1762	1770
13	1803	1880	1680	1647	1594	1556	1472	1442	1442	1419
14	1439	1384	1369	1355	1342	1327	1314	1302	1292	1283
15	1278	1274	1272	1278	1272	1252	1250	1230	1207	1203
16	1216	1227	1216	1249	1265	1267	1274	1177	1185	1177
17	1152	1126	1108	1108	1133	1166	1170	1203	1260	1256
18	1263	1263	1267	1371	1371	1384	1410	1435	1426	1446
19	1446	1475	1512	1561	1561	1576	1623	1609	1591	1777
20	1717	1728	1806	1856	1830	1821	1788	1775	1764	2022
21	1772	1761	1728	1783	1755	1887	1715	1715	2051	2062
22	1962	2037	1989	2055	2081	2090	2040	2044	2048	2062
23	2059	2070	2083	2099	2062	2145	2152	2156	2148	2178

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 12-3-1974
(DAY NO 71)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	2211	2291	2243	2298	2335	2374	2309	2318	2344	2198
1	2190	2254	2322	2412	2437	2443	2437	2445	2426	2406
2	2381	2370	2379	2414	2441	2498	2487	2452	2472	2467
3	2445	2465	2472	2498	2569	2562	2619	2637	2664	2724
4	2745	2701	2640	2665	2704	2723	2743	2768	2801	2825
5	2845	2867	2832	2885	2874	2873	2895	2885	2885	2909
6	2913	2927	2916	2895	2918	2899	2882	2916	2920	2922
7	2902	2907	2895	2896	2874	2865	2836	2827	2821	2847
8	2856	2829	2835	2833	2849	2845	2845	2856	2832	2858
9	2843	2829	2860	2833	2871	2845	2845	2847	2847	2845
10	2829	2814	2805	2843	2843	2836	2834	2832	2843	2836
11	2863	2863	2865	2915	3021	3037	2933	2933	2547	2249
12	3333	2190	2190	2190	2238	2355	2262	2243	2251	2284
13	2289	2293	2401	2479	2512	2514	2547	2565	2611	2735
14	2878	2865	2818	2893	2969	3019	3066	3066	3072	3101
15	3132	3176	3136	3185	3145	3176	3182	3176	3154	3172
16	3147	3065	3065	3006	2962	2973	2984	3037	3044	3055
17	3087	3076	3069	3065	3087	3097	3147	3169	3185	3176
18	3240	3279	3350	3350	3354	3366	3386	3397	3390	3370
19	3370	3379	3390	3392	3416	3443	3482	3505	3507	3509
20	3370	3483	3405	3372	3357	3355	3337	3333	3330	3337
21	3341	3341	3344	3346	3344	3344	3352	3344	3352	3348
22	3352	3343	3352	3355	3352	3354	3355	3355	3354	3350
23	3359	3359	3366	3364	3364	3386	3392	3397	3397	3408

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 13-3-1974
(DAY NO 72)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	3447	3472	3498	3516	3571	3610	3604	3557	3525	3514
1	3511	3503	3507	3489	3458	3447	3427	3436	3423	3414
2	3405	3408	3401	3379	3386	3403	3407	3397	3366	3386
3	3363	3359	3370	3372	3359	3333	3335	3311	3300	3317
4	3333	3324	3311	3321	3302	3328	3352	3370	3374	3369
5	2226	2792	2776	2668	2547	2454	2351	2324	2245	2121
6	2048	2013	2033	1995	1962	1944	1925	1890	1804	1925
7	1850	1858	1890	2061	2256	2423	2554	2688	2792	2856
8	1867	2874	2904	2933	2953	2957	2949	2973	2973	2949
9	2962	2905	2905	2891	2852	2852	2860	2874	2887	2902
10	2902	2909	2369	2862	2825	2801	2792	2774	2739	2697
11	2693	2701	2697	2715	2746	2761	2765	2779	2768	2774
12	2779	2799	2807	2809	2860	2902	2924	2940	2966	3002
13	3048	3043	3061	3087	3108	3127	3147	3174	3193	3196
14	3189	3211	3235	3200	3235	3196	3215	3215	3207	3228
15	3238	3222	3235	3213	3211	3260	3264	3286	3302	3313
16	3352	3386	3374	3388	3363	3313	3333	3405	3423	3374
17	3341	3315	3268	3268	3279	3357	3222	3218	3246	3246
18	3204	3288	3337	3361	3364	3368	3370	3354	3330	3355
19	3357	3425	3436	3418	3418	3436	3432	3421	3436	3452
20	3467	3478	3498	3509	3531	3547	3562	3569	3569	3571
21	3569	3564	3569	3567	3569	3567	3573	3575	3567	3555
22	3551	3535	3531	3524	3505	3496	3465	3480	3478	3478
23	3480	3471	3469	3487	3494	3489	3513	3513	3516	3503

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 14-3-1974
(DAY NO 73)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	3494	3485	3474	3425	3414	3425	3452	3441	3432	3390
1	3403	3396	3410	3407	3390	3392	3390	3396	3348	3319
2	3313	3295	3300	3284	3277	3264	3247	3231	3218	3190
3	3191	3182	3187	3161	3163	3174	3149	3147	3124	3125
4	3121	3116	3107	3068	3054	3046	3037	3043	3009	2912
5	3019	3010	2979	2969	2986	2958	2955	2933	2951	2931
6	2918	2889	2905	2878	2867	2867	2829	2847	2818	2818
7	2814	2812	2812	2785	2757	2783	2777	2746	2765	2757
8	2746	2761	2724	2746	2757	2761	2777	2779	2781	2748
9	2757	2468	2311	2311	2187	1949	1949	1865	1779	1741
10	1695	1416	1548	1494	1452	1419	1404	1393	1382	1382
11	1386	1384	1384	1384	1366	1342	1325	1314	1314	1296
12	1292	1287	1298	1265	1261	1261	1250	1258	1247	1238
13	1234	1234	1243	1241	1230	1230	1230	1230	1230	1230
14	1230	1232	1232	1232	1234	1236	1236	1236	1236	1236
15	1245	1250	1258	1265	1271	1280	1291	1300	1311	1314
16	1318	1314	1314	1311	1311	1311	1311	1311	1311	1314
17	1314	1314	1318	1325	1333	1340	1347	1362	1380	1411
18	1419	1494	1552	1620	1695	1775	1872	1989	2112	2382
19	2540	2679	2765	2724	2713	2690	2543	2545	2589	2582
20	2551	2549	2567	2554	2562	2547	2547	2600	2604	2593
21	2554	2540	2536	2574	2571	2587	2587	2606	2618	2635
22	2567	2589	2589	2582	2596	2589	2595	2604	2618	2635
23	2649	2662	2642	2653	2664	2657	2664	2690	2717	2735

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 15- 2-1974
(DAY NO 74)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	2761	2799	2856	2909	3021	3015	3000	3151	3207	3212
1	3268	3297	3333	3354	3359	3357	3361	3302	3264	3276
2	3397	3482	3553	3672	3732	3725	3728	3739	3739	3739
3	3739	3741	3743	3747	3750	3752	3758	3760	3762	3761
4	3756	3754	3710	3650	3664	3710	3739	3760	3760	3760
5	3813	3822	3814	3844	3855	3886	3807	3826	3803	3800
6	3893	3891	3909	3915	3928	3933	3922	3922	3909	3904
7	3952	3924	3906	3917	3924	3937	3913	3889	3894	3892
8	3847	3853	3831	3814	3802	3770	3738	3690	3650	3630
9	3703	3739	3734	3750	3752	3756	3745	3739	3743	3741
10	3734	3736	3741	3739	3747	3752	3747	3752	3758	3758
11	3758	3760	3756	3760	3763					
12										
13										
14										
15										
16										
17	3143	3087	3033	2958	2955	2938	2920	2913	2924	2905
18	2887	2927	2898	2893	2878	2893	2905	2916	2942	2969
19	2980	2958	2977	2995	2984	2969	2931	2909	2942	2905
20	2852	2856	2807	2735	2682	2617	2562	2532	2490	2461
21	2434	2403	2382	2357	2326	2307	2300	2280	2264	2269
22	2251	2243	2242	2243	2236	2232	2223	2207	2185	2170
23	2147	2128	2126	2126	2176	2232	2269	2287	2304	2291

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 16- 2-1974
(DAY NO 75)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	2220	2280	2295	2304	2313	2371	2403	2434	2400	2553
1	2562	2543	2523	2505	2485	2467	2443	2414	2300	2399
2	2421	2432	2448	2461	2474	2479	2483	2490	2404	
3	2503	2503	2496	2498	2501	2498	2498	2494	2499	2496
4	2494	2490	2492	2483	2485	2481	2485	2472	2481	2483
5	2488	2485	2494	2494	2492	2490	2485	2505	2487	2501
6	2501	2501	2498	2499	2485	2479	2483	2485	2450	2488
7	2461	2452	2439	2457	2426	2421	2439	2457	2412	2414
8	2443	2419	2404	2397	2406	2386	2404	2390	2401	2401
9	2395	2390	2390	2395	2386	2397	2386	2382	2393	2406
10	2399	2412	2423	2426	2457	2457	2457	2465	2472	2479
11	2490	2490	2483	2509	2488	2492	2505	2472	2490	2493
12	2467									
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 17- 2-1974
(DAY NO 76)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10	3044	3023	2935	2884	2841	2799	3323	3275	3160	3112
11	2580	2600	2551	2540	2543	2531	2745	2708	2682	2626
12	2514	2440	2494	2499	2485	2478	2551	2553	2540	2522
13	2472	2461	2478	2456	2435	2439	2472	2498	2472	2479
14	2419	2423	2419	2414	2414	2426	2448	2437	2428	2428
15	2435	2426	2445	2432	2414	2437	2414	2432	2426	2430
16	2437	2437	2441	2430	2441	2437	2434	2434	2425	2445
17	2457	2457	2454	2457	2445	2454	2441	2441	2445	2445
18	2454	2443	2448	2448	2457	2461	2441	2445	2440	2439
19	2490	2510	2509	2521	2457	2461	2468	2472	2487	2487
20	2589	2607	2629	2629	2637	2660	2525	2543	2545	2545
21	2756	2761	2792	2796	2829	2827	2681	2693	2715	2735
22	2927	2948	2991	3013	3006	3028	2836	2871	2803	2800
23	3041	3055	3055	3063	3065	3090	3013	3026	3026	3046

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 18-3-1974
(DAY NO 77)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	3090	3108	3108	3116	3127	3130	3130	3132	3136	3136
1	3134	3140	3134	3130	3125	3119	3110	3090	3080	3068
2	3059	3033	3017	3004	2991	2986	2977	2960	2942	2922
3	2904	2885	2867	2852	2818	2792	2776	2759	2735	2715
4	2697	2682	2677	2675	2677	2681	2671	2680	2661	2644
5	2232	2033	1861	1724	1611	1495	1380	1205	1258	1228
6	1197	1161	1124	1100	1068	1038	985	941	884	891
7	751	660	583	521	486	475	455	426	386	373
8	358	340	323	305	283	268	254	243	222	224
9	219	212	208	197	186	171	164	152	162	160
10	162	162	155	155	155	151	148	148	159	151
11	151	151	151	155	155	151	153	157	177	181
12	157	159	159	164	164	171	173	175	210	215
13	184	190	192	195	197	199	202	204	246	250
14	219	223	226	230	235	239	249	245	288	294
15	254	257	261	267	272	276	279	283	288	294
16	298	301	307	310	310	318	318	321	318	347
17			316	336	340	343	343	382	382	385
18	354	356	358	362	365	369	373	411	422	424
19	389	393	393	396	404	407	407	415	464	468
20	429	433	437	440	446	449	455	460	501	510
21	471	475	480	486	490	493	497	464	548	552
22	515	519	523	528	532	535	539	579	583	597
23	557	561	563	566	570	572				

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 19-3-1974
(DAY NO 78)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	594	601	601	605	608	608	613	627	624	636
1	640	641	647	652	647	654	667	671	604	709
2	716	711	733	744	735		724	731	722	747
3	758	773	788	802	819	835	855	868	882	897
4	910	923	934	947	961	974	987	1000	1014	1031
5	1047	1062	1078	1097	1117	1135	1153	1177	1190	1227
6	1241	1263	1285	1309	1333	1353	1371	1393	1413	1431
7	1450	1466	1484	1495	1525	1532	1550	1567	1591	1596
8	1607	1623	1644	1656	1671	1682	1697	1703	1717	1726
9	1739	1750	1757	1768	1772	1779	1786	1797	1808	1819
10		1847	1861	1874	1887	1898	1907	1920	1920	1936
11	1947	1954	1975	1975	1980	1984	2000	2011	2011	2018
12	2022	2031	2037	2044	2051	2059	2066	2086	2090	2101
13	2022	2112	2119	2130	2137	2145	2154	2161	2170	2179
14	2104	2158	2205	2214	2223	2236	2247	2256	2265	2273
15	2284	2295	2304	2315	2322	2326	2332	2337	2340	2344
16	2345	2356	2362	2366	2370	2373	2377	2393	2412	2437
17	2441	2454	2454	2465	2476	2487	2501	2512	2520	2520
18	2481	2489	2521	2604	2648	2562	2498	2494	2494	2490
19	2490	2540	2648	2573	2505	2483	2490	2494	2497	2485
20	2478	2476	2476	2472	2472	2479	2481	2481	2487	2494
21	2499	2501	2503	2512	2499	2487	2472	2454	2430	2419
22	2386	2342	2298	2267	2251	2249	2249	2258	2221	2161
23	2072	2022	1989	1920	1852	1805	1762	1719	1675	1629

RRS DISCOVERY CRUISE NUMBER 60
DEPTH IN CORRECTED METRES

DATE 20-3-1974
(DAY NO 79)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0		1559	1532	1514	1494	1477	1466	1461	1452	1441
1	1431	1420	1417	1413	1411	1410	1408	1410	1410	1411
2	1413	1413	1410	1402	1402	1395	1380	1388	1378	1375
3	1371	1371	1371	1369	1364	1360	1352	1349	1342	1338
4	1335	1324	1314	1309	1298	1289	1282	1274	1263	1254
5	1243	1230	1217	1203	1188	1174	1162	1143	1135	1122
6	1106	1095	1080	1068	1057	1046	1036	1024	1013	1007
7	996	989	982	976	967	958	952	943	932	923
8	912	897	886	865	833	801	733	696	680	665
9	647	614	583	576	530	508	491	491	468	445
10	433	415	404	389	373	362	351	340	322	325
11	318	307	298	294	283	272	265	254	246	235
12	223	212	202	193	186	182	173	169	160	157
13	155	153	151	151	149	146	146	146	144	142
14	138	138	137	135	135	133	131	131	129	129
15	129	129	129	129	129	129	129	129	131	131
16	133	133	135	137	137	140	140	137	133	133
17	133	133	129	129	126	124	117	117	113	111
18	111	113	117	120	124	128	131	135	135	131
19	128	124	120	113	113	109	106	102	98	128
20	104	106	117	122	124	126	128	131	135	131
21	135	135	137	135	135	135	135	135	128	128
22		131	131	131	131	129	128	128	128	128
23	126	126	128	128	126	124	124	122	120	120

RRS DISCOVERY CRUISE NUMBER 60
 DEPTH IN CORRECTED METRES

DATE 21-2-1974
 (DAY NO 00)

HOURS	MINUTES									
	00	06	12	18	24	30	36	42	48	54
0	117	113	113	113	118	117	118	117	118	118
1	120	115	109	113	117	120	124	124	124	122
2	120	111	106	102	102	109	107	107	112	120
3	120	124	124	126	128	128	128	124	122	117
4	115	113	113	111	111	109	109	107	106	106
5	102	102	102	102	102	102	102	100	98	100
6	98	98	98	98	98	98	98	96	98	98
7	96	96								
8										
9										
10										
11										
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24										
25										

SECTION E

Station Position Tables

STATION POSITION TABLES

Stn. No.	Type	Day No.	Date	Time		Start		End		Depth Range			Remarks	
				Start	End	Lat N	Long W	Lat N	Long W	UCF	CF	CM		
8483	DSB	058	27. 2. 74	1712	1732	50°23. 57'N	09°51. 50'W	50°23. 35'N	09°54. 71'W	66	67	122	Abortive due to poor reception	
8484	DSB	058	27. 2. 74	1920	2000	50°21. 92'N	10°12. 10'W	50°21. 45'N	10°18. 68'W	76	77	140	Abortive due to poor reception	
8485	DSB	059	28. 2. 74	1330	1600	50°03. 83'N	12°46. 68'W	49°59. 89'N	13°08. 35'W	1313	1398	1343 1430	2456 2615	Successful
8486	DSB	059	28. 2. 74	1748	1819	49°59. 74'N	13°24. 39'W	49°59. 64'N	13°29. 89'W	1540	1518	1576 1553	2882 2840	Successful
8487	DSB	068	9. 3. 74	1528	1730	51°58. 28'N	20°22. 66'W	51°46. 03'N	20°23. 26'W	1886	1990	1934 2042	3536 3734	Abortive - poor signal/noise
8488	DSB	071	12. 3. 74	1601	1830	55°23. 60'N	25°12. 67'W	55°12. 61'N	25°38. 57'W	1590	1804	1620 1841	2962 3366	Successful - compressor stopped
8489	DSB	072	13. 3. 74	1300	1415	54°32. 67'N	24°18. 56'W	54°32. 05'N	24°01. 50'W	1636	1734	1667 1769	3048 3235	Successful
8490	DSB	073	14. 3. 74	9742	0900	54°33. 10'N	20°36. 46'W	54°32. 95'N	20°21. 04'W	1470	1487	1502 1520	2746 2779	Successful
8491	DSB	076	17. 3. 74	2044	2134	53°30. 79'N	16°29. 60'W	53°31. 50'N	16°17. 50'W	1440	1473	1516 1551	2693 2836	Successful
8492	DSB	078	19. 3. 74	0647	0722	51°38. 02'N	12°50. 46'W	51°33. 71'N	12°49. 40'W	756	773	816 834	1413 1525	Poor and intermittent signal
8493	DSB	078	19. 3. 74	1025	1155	51°13. 71'N	12°51. 77'W	51°03. 81'N	12°51. 81'W	1010	1080	1032 1104	1887 2018	Successful
8494	DSB	078	19. 3. 74	1611	1700	50°33. 52'N	12°51. 34'W	50°27. 48'N	12°49. 91'W	1264	1306	1292 1335	2362 2441	Successful
8495	DSB	078	19. 3. 74	2108	2200	49°55. 80'N	12°53. 40'W	49°48. 80'N	12°54. 80'W	1338	1276	1369 1305	2501 2386	Successful
8496	DSB	079	20. 3. 74	0634	0744	49°36. 13'N	11°54. 17'W	49°38. 43'N	11°44. 08'W	554	498	567 509	1036 930	Successful
8497	DSB	079	20. 3. 74	1500	1533	49°48. 82'N	10°26. 48'W	49°49. 58'N	10°19. 93'W	70	70	71 71	129 129	Successful
8498	DSB	079	20. 3. 74	1940	1949	49°53. 34'N	09°36. 35'W	N. A.		N. A.			Abortive	

