

549

CDAW DATA SETS FOR 6.0
GROUND BASED

Table of Contents

1. Introduction
2. Errata/Change Log
3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM
4. Catalog Materials
 - a. Associated Documents
 - b. Core Catalog Materials

1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

GG - 28N

GREENLAND MAGNETOMETER CHAIN

This data set consists of one 9 track, multifiled, ASCII magnetic tape written at 1600 BPI. Files 1 and 9 of the tape contain one 2400 byte record, which contains only " CDAW-8 861111 EFC." The other 7 files, consist of 168, 2400 byte records, which contain header information, blank spaces, and data of one element for a one hour time span. Records are blocked 6 to 1 to produce a 2400 ASCII character record.

D - 74456

C - 26199

FILE	1	HEADER ID
	2	JAN. 28, 1983
	3	JAN. 29, 1983
	4	MARCH 25, 1983
	5	MARCH 26, 1983
	6	JUNE 4, 1983
	7	JUNE 27, 1983
	8	JUNE 28, 1983
	9	HEADER ID

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: GG-28N

DATE DATA RECEIVED: 1/20/87

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <i>1 mag. tape</i>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: GREENLAND MAGNETOMETER CHAIN

CONTACT: _____ ACQUISITION SCIENTIST: HKH

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: D-74456 C-26199

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

[Signature]
DATA TECHNICIAN

C-4

DANISH METEOROLOGICAL INSTITUTE

100 LYNGBYVEJ - DK-2100 COPENHAGEN

TELEGRAMS: METOBS - TELEX: 055 27138

TELEPHONE: (01) 292100 - EXT.:

No.: 9.5/791 /

Date: 1986-11-12

EFC/md

Ms. Leah Gatewood
CDAW-8, Code 633
NASA Goddard Space Flight Center
Greenbelt, Maryland 20771 U.S.A.

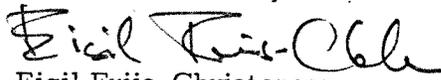
Division of Geophysics

Dear Ms. Leah Gatewood

Please find enclosed

- 1) a CDAW-8 questionnaire form,
- 2) a magnetic tape with Greenland magnetometer data,
- 3) a CDB tape, documentation form as well as,
- 4) a listing of parts of the tape and
- 5) a complete set of plotted data.

Yours sincerely


Eigil Friis-Christensen

cc: R.H. Manka



CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (Please print.)

1. Spacecraft/Ground Station(s) Greenland Magnetometer chain	2. Experiment Name Greenland chain	3. Data Set Name Greenland chain
4. Scientific Contact E. FRIIS-CHRISTENSEN	5. Telephone/Telex No. 01-29 21 00/15835	6. SPAN/TELENET Address
7. Address Lyngbyvej 100		
8. City Copenhagen	9. State Danmark	10. Zip Code or Country 2100 DK
11. Programmer Contact	12. Telephone/Telex No.	13. SPAN/TELENET Address

SECTION II. TAPE DESCRIPTION

1. External Physical Label GREENLAND		
2. No. of Tapes Submitted 1	3. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi <input type="checkbox"/> 6250 bpi	
4. No. of Files (per tape) 9		
5. No. of File Marks Between Files EVEN	6. After Last File?	7. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
8. Recording Parity EVEN	9. Make and Model of Computer Used to Generate Tape WANG 2200	
10. Tapes are written in: <input type="checkbox"/> binary <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> Combination as shown <input type="checkbox"/> Other; Specify _____		
11. If binary, what floating point representation is used? (e.g., CDC 64 bit, or IBM 3081 32 bit)		
12. If binary, what integer representation is used? (e.g., 32 bit, 2's complement)		
13. No. of Physical Records (per file) 168 for datafiles (1 - 7)		
14. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
15. Start and Stop Time of Each File (If more space is needed, please attach.) each file = 1 date		

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (Please attach.)

SECTION IV. TO BE FILLED IN BY NSSDC ONLY

		CDB No.
Data Received	Tape No.	
Programmer ID	CON Name	
Data Base	Date Loaded	

WDC-A Tape Exchange Format
For
One-Minute Geomagnetic Data

As of February 1977 2400 ASCII

1. The logical record length is 400 ^{ASCII} ~~BCD~~ characters containing header information, blank spaces, and data for one element for one hour. Twelve such logical records containing ~~4800 BCD~~ characters are combined into a single data block. There are 12 hours of data for one component for one station in each block. The data are sequenced according to positions 1-24 of each record. Therefore, 24 hours of ~~D~~ are followed by 24 hours of the next element for the same OBS, YR, MC, DA. Even parity and 556 bpi, 7-track IBM-compatible tapes are standard, although 9-track and ~~800 bpi~~, or higher density are available upon request. 1600
2. An end-of-file mark terminates each tape. Blocks are padded internally with nines to fill in missing data and to complete a data set.
3. Each logical record contains header information and data in the following format: North polar distance, longitude, year, month, day, hour, element, observatory code, blank spaces, 60 data values, and an hourly mean.

NPD	LONG	YR	MO	DA	E	HR	OBS	ORG	(Blanks)	DATA-1	DATA-60	HR MEAN
1-6	7-12	13-14	15-16	17-18	19	20-21	22-24	25	26-34	35-40	389-394	395-400

4. NPD is the observatory's North Polar Distance (0° to 180°) from the north geographic pole in thousandths of a degree and is allotted 6 characters. Decimal point is implied between positions 3 and 4.
LONG is the geographic longitude (0° to 360°) measured East from Greenwich in thousandths of a degree and also has a 6 character field. Decimal point is implied between positions 9 and 10.
YR, MO, DA, and HR are each 2-digit numbers giving the data and GMT.
E is the element symbol in 1 character; it may be D, H, Z, X, Y, F, P, or R.
OBS is the 2 or 3 letter abbreviation for the observatory.
ORG is origin of data.
D = Digitized from analog records.
C = Canadian Standard Network.
G = U.S.G.S. Network.
W = Walker Chain.
R = Rostoker Chain.
A = Alaska Chain.
U = U.C.L.A. Chain.
M = McClay Chain.
S = S.U.N.Y. Chain.
F = France
V = Variation Values via SMS-GOES Satellite
G = Greenland

Blanks are 10 character spaces reserved for future additions.
DATA-1...-60 are one-minute values of the given element for that data-hour.

H, Z, X, Y, or F to the nearest nanotesla and D in the tenth-minutes (e.g., 612 = 1°01.2'), each in a six character field.
HR MEAN is the average of the preceeding 60 one-minute values.

5. Each element value and the hourly mean is given in a six-digit field including a minus sign for negative values or blank for positive values.
6. Missing data-value spaces are padded with 99999. No alteration of logical record length is required for different types of computers.
7. Although data can be sorted according to a variety of requested formats based upon geographic position or other parameters, a typical tape sequence of data would be with stations grouped by latitude bands and by decreasing East longitude within each band. Data for each station would be in element hours, D, H, and Z, blocked as described in (1).

TRANSFERRED TO TAPE: CD44-8

0.11 NOV 1966

E. FRIIS-CHRISTENSEN

TAPEFILE NR.	DISKFILE NAME	SIZE (SECTORS)
1	CB830128	
2	CB830129	
3	CB830325	
4	CB830326	
5	CB830604	
6	CB830627	
7	CB830628	

Greenland
Magneometer
Data

FILE 8 BLOCK 0 LENGTH 2400
CD44-8
FR111 EFC

FILE 8 BLOCK 0 LENGTH 2400
CD44-8
FR111 EFC

\$NOP
\$NOP ***** RPOUT-2 *****
\$EXE TPLIST BS

INPUT PARAMETERS ARE: AS FL=1=1 9 1 1

TAPE NO.	1	FILE NO.	1
RECORD	1	LENGTH	2400
CDAW-8	861111	EFC	

TAPE NO.	1	FILE NO.	1
RECORD	1	LENGTH	2400
CDAW-8	861111	EFC	

TAPE NO.	1	FILE NO.	2
RECORD	1	LENGTH	2400

0003-00003-00004-00004-00005-00005-00005-00005-00006-00005-00005-00006-00005-00005-00005-00004-0000
4-00003-00003-00002-00002-00001-00001-00001-00001-00002-00003-00004-00005-00006-00007-00008-00009-0
0004020770306480830128 01GDHE 00000-00010-00010-00010-00010-00010-00010-00009-00008-00008-00008-
00007-00007-00006-00006-00005-00005-00005-00005-00005-00006-00007-00007-00008-00008-00009-00009-000
09-00008-00008-00007-00005-00005-00004-00004-00004-00004-00005-00005-00005-00006-00007-00008-00008-
00008-00009-00009-00009-00008-00008-00008-00008-00008-00008-00007-00007-00007-00008-00008-00008-000
08-00008020770306480830128 02GDHE 00000-00008-00007-00007-00007-00007-00007-00006-00006-00007-00
005-00006-00007-00006-00006-00005-00005-00005-00005-00005-00005-00006-00007-00007-00006-00006-00006-
-00005-00007-00007-00007-00007-00008-00008-00008-00008-00008-00007-00006-00006-00005-00006-00005-00
006-00005-00005-00005-00005-00005-00005-00005-00005-00005-00005-00005-00005-00006-00006-00006-
-00006-00006020770306480830128 03GDHE 00000-00007-00007-00007-00007-00008-00008-00007-00007-0000
5-00006-00005-00005-00005-00005-00005-00005-00005-00005-00005-00004-00004-00003-00003-00003-0
0003-00003-00003-00004-00004-00005-00005-00006-00006-00007-00007-00007-00007-00007-00007-00007-0000
7-00006-00006-00006-00005-00005-00004-00004-00004-00003-00003-00003-00003-00003-00003-00003-0
0004-00004-00005020770306480830128 04GDHE 00000-00003-00004-00003-00003-00003-00003-00003-00004-
00004-00004-00004-00004-00004-00005-00005-00005-00005-00007-00007-00007-00007-00007-00005-00005-000
06-00005-00007-00007-00008-00008-00007-00007-00006-00006-00006-00006-00006-00006-00005-00005-00005-
00005-00005-00004-00004-00004-00004-00004-00004-00004-00004-00004-00004-00004-00004-00004-00005-000
05-00006-00005-00005020770306480830128 05GDHE 00000-00005-00005-00005-00005-00006-00006-00006-00
007-00007-00007-00007-00006-00005-00005-00006-00005-00006-00005-00007-00007-00008-00008-00008-00008-
-00008-00008-00007-00007-00005-00007-00007-00007-00007-00007-00007-00007-00006-00006-00006-00006-00
005-00005-00005-00005-00005-00006-00005-00005-00005-00005-00005-00005-00005-00005-00005-00005-00005-
-00005-00005-00006-00006

TAPE NO. 1 FILE NO. 2
RECORD 168 LENGTH 2400
015700339780830128218DNBE 00000-00012-00011-00010-00009-00009-00009-00009-00008-00008-00007-0000
6-00004-00004-00004-00004-00003-00003-00002-00001-00001 00000 00000 00001 00002 00002 00003 00004 0
0005 00008 00010 00012 00014 00017 00023 00023 00026 00028 00029 00031 00033 00034 00035 00038 0004
1 00043 00044 00044 00045 00044 00044 00046 00047 00050 00052 00053 00054 00053 00050 00044 00040 0
0018015700339780830128219DNBE 00000 00036 00033 00030 00027 00025 00024 00021 00019 00019 00020
00021 00022 00022 00023 00024 00025 00026 00028 00032 00035 00037 00037 00037 00036 00034 00032 000
31 00032 00033 00034 00032 00030 00029 00027 00024 00021 00019 00017 00015 00014 00013 00012 00012
00012 00014 00016 00017 00017 00016 00016 00016 00015 00015 00015 00014 00014 00014 00013 00012 000
13 00023015700339780830128220DNBE 00000 00013 00014 00014 00014 00014 00015 00015 00015 00016 00
016 00016 00017 00018 00019 00017 00015 00013 00014 00013 00013 00011 00011 00011 00011 00010 00010
00010 00010 00010 00010 00010 00009 00007 00006 00005 00004 00002 00001 00000-00001-00002 00000 00
000 00000-00002-00004-00005-00005-00007-00007-00008-00008-00009-00010-00010-00010-00011-00012-00013
-00013 00005015700339780830128221DNBE 00000-00013-00013-00013-00012-00011-00011-00011-00011-0001
1-00010-00011-00011-00010-00009-00009-00008-00007-00006-00006-00005-00005-00005-00006-00005-00005-0
0005-00005-00003-00002-00002-00001-00001-00001-00001 00000 00000-00001-00001 00000 00000 00000 0000
0 00001 00002 00002 00002 00002 00002 00003 00004 00005 00006 00006 00006 00006 00006 00006 00006 0
0008 00009-00003015700339780830128222DNBE 00000 00010 00011 00012 00011 00010 00011 00012 00014
00015 00015 00015 00015 00015 00016 00018 00021 00025 00025 00029 00034 00035 00035 00037 00038 000
39 00040 00041 00043 00046 00053 00070 00081 00100 00134 00171 00191 00205 00217 00229 00213 00180
00132 00117 00112 00156 00187 00175 00153 00135 00123 00115 00119 00132 00126 00119 00119 00130 001
23 00112 00104 00084015700339780830128223DNBE 00000 00079 00068 00073 00080 00071 00040 00024 00
014 00048 00076 00089 00093 00098 00100 00095 00084 00074 00067 00073 00089 00099 00100 00107 00110
00110 00110 00109 00111 00110 00105 00099 00094 00089 00087 00084 00076 00077 00078 00079 00079 00
073 00066 00066 00048 00043 00040 00043 00049 00052 00051 00050 00049 00047 00045 00042 00041 00039
00038 00037 00038 00072

TAPE NO. 1 FILE NO. 3
RECORD 1 LENGTH 2400
020770306480830129200GDHE 00000-00029-00028-00030-00030-00026-00020-00016-00012-00010-00009-0000
9-00008-00008-00007-00005-00006-00006-00003-00002-00003-00006-00006-00003-00002-00002-00002-00003-0
0003-00002-00004-00003-00002-00002-00002-00003-00004-00004-00002-00003-00004-00005-00007-00009-0000
9-00007-00006-00004-00002-00002-00002-00001 00000 00001 00001-00001-00001-00001 00000 00000-0
0007020770306480830129201GDHE 00000 00000 00000 00000 00000 00000 00004 00006 00007 00010 00011 00016
00018 00017 00016 00015 00014 00012 00009 00005 00001 00001 00002 00003 00004 00002 00007 00008 000
07 00006 00003 00001-00001 00001 00002 00003 00002-00001-00002-00003-00002-00004-00006-00006-00003-
00004-00003-00003-00002-00005-00007-00009-00007-00006-00005-00003-00001-00004-00004-00003-000
01 00002020770306480830129202GDHE 00000-00001 00000 00007 00011 00011 00010 00015 00014 00007 00
003 00006 00003 00005-00001-00001 00000 00003-00001-00003-00003-00006-00011-00012-00011-00009-00002

00000 00000020770306480830129203GDHE 00000 00004 00003 00004 00003 00005 00007 00007 00006 0000
6 00004 00003 00002 00003 00004 00003 00004 00003 00004 00006 00006 00005 00004 00003 00001 00000 0
0000 00000 00000 00000 00000 00000 00000 00002 00002 00003 00003 00003 00003 00003 00003 00003 00003 0000
3 00004 00005 00005 00005 00005 00005 00006 00006 00005 00005 00005 00005 00006 00006 00005 00006 0
0008 00009 00004020770306480830129204GDHE 00000 00009 00008 00008 00009 00010 00010 00010 00009
00008 00008 00007 00005 00003 00003 00003 00003 00002 00001 00000 00001 00002 00003 00003 00003 000
02 00002 00001 00001 00002 00003 00004 00004 00003 00001 00000 00000 00000 00000 00000 00000 00002
00000 00000 00000 00000 00000 00000 00000 00001 00002 00002 00002 00003 00003 00004 00004 00004 000
03 00003 00004 00003020770306480830129205GDHE 00000 00003 00002 00001 00001 00001 00000-00001-00
003-00004-00006-00005-00006-00005-00006-00007-00009-00012-00014-00015-00016-00017-00016-00016-00015
-00014-00012-00010-00008-00008-00008-00008-00007-00005-00005-00003-00002 00000 00001 00000-00001-00
001-00002-00004-00006-00008-00009-00008-00006-00006-00007-00005-00004-00004-00006-00004-00002 00000
00002 00002 00001-00006

TAPE NO. 1 FILE NO. 3
RECORD 168 LENGTH 2400
015700339780830129218DNBE 00000 00009 00009 00011 00014 00018 00023 00025 00026 00025 00023 0002
1 00021 00021 00021 00020 00018 00015 00011 00007 00002-00004-00011-00016-00020-00023-00025-00026-0
0024-00022-00022-00021-00020-00018-00013-00010-00009-00009-00010-00010-00010-00010-00011-00012-0001
3-00014-00015-00016-00015-00015-00017-00018-00018-00018-00015-00015-00015-00014-00013-00012-00013-0
0005015700339780830129219DNBE 00000-00013-00014-00014-00014-00014-00015-00016-00018-00019-00019-
00019-00018-00017-00017-00017-00018-00018-00018-00017-00016-00015-00014-00014-00015-00016-00018-000
18-00018-00018-00017-00016-00015-00014-00014-00014-00015-00017-00019-00021-00021-00021-00021-00020-
00019-00018-00015-00014-00014-00013-00015-00017-00018-00019-00021-00024-00029-00033-00037-00041-000
43-00019015700339780830129220DNBE 00000-00044-00042-00039-00039-00038-00037-00036-00033-00030-00
029-00029-00030-00031-00033-00034-00034-00034-00034-00033-00031-00029-00027-00024-00022-00019-00017
-00014-00011-00009-00007-00006-00004-00003-00001 00001 00003 00005 00006 00007 00008 00009 00010 00
010 00011 00011 00012 00013 00012 00012 00012 00011 00009 00008 00007 00006 00005 00004 00001 00000
-00003-00012015700339780830129221DNBE 00000-00004-00005-00006-00005-00004-00002 00000 00001 0000
1 00001 00000 00000 00000 00003 00006 00008 00010 00010 00010 00012 00014 00014 00012 00011 00011 0
0013 00014 00013 00013 00013 00012 00012 00011 00011 00011 00012 00012 00012 00012 00012 00012 0001
1 00010 00008 00009 00010 00009 00008 00007 00007 00008 00007 00006 00004 00002 00000-00001-00004-0
0005-00007 00007015700339780830129222DNBE 00000-00007-00006-00006-00006-00005-00005-00004-00003-
00001 00000 00000 00000 00000-00001-00002-00002 00000 00000 00002 00003 00004 00005 00005 00005 000
05 00003 00000-00002-00005-00007-00008-00009-00009-00010-00010-00011-00012-00013-00013-00013-00013-
00013-00013-00013-00013-00012-00012-00013-00014-00014-00012-00010-00008-00008-00007-00007-00007-000
08-00009-00009-00006015700339780830129223DNBE 00000-00008-00007-00006-00006-00005-00005-00006-00007-00
007-00008-00009-00009-00008-00005-00003-00001 00000 00000 00000 00000 00000 00000-00001-00002-00003
-00004-00004-00006-00008-00010-00011-00007-00003-00001-00002-00003-00003-00007-00012-00015-00015-00
015-00013-00011-00010-00013-00015-00018-00017-00014-00012-00010-00009-00008-00007-00005-00004-00003
-00002-00001 00000-00007

TAPE NO. 1 FILE NO. 4
RECORD 1 LENGTH 2400
020770306480830325200GDHE 00000 00005 00006 00007 00008 00009 00007 00003 00005 00008 00009 0001
1 00008 00008 00009 00008 00007 00004 00005 00007 00008 00007 00006 00006 00008 00004-00002-00004-0
0001-00003-00003 00000 00002 00001 00000-00001-00002-00002-00002-00001 00000-00003-00003-00006-0000
5-00007-00009-00008-00011-00013-00011-00011-00006-00002 00002 00004 00003 00001 00000-00001-00002 0
0001020770306480830325201GDHE 00000-00002-00001 00002 00006 00012 00016 00016 00019 00020 00018
00018 00018 00016 00015 00015 00017 00020 00024 00026 00027 00026 00025 00024 00021 00019 00019 000
18 00019 00019 00018 00017 00019 00023 00025 00027 00027 00027 00025 00026 00027 00027 00023 00029
00030 00029 00028 00029 00030 00033 00034 00035 00035 00036 00037 00037 00035 00034 00033 00033 000
35 00024020770306480830325202GDHE 00000 00032 00031 00029 00027 00027 00025 00026 00027 00028 00
027 00024 00025 00026 00030 00029 00029 00029 00030 00032 00033 00035 00036 00039 00041 00046 00048
00053 00055 00052 00051 00049 00048 00046 00045 00046 00048 00046 00045 00045 00045 00044 00042 00
040 00037 00033 00031 00029 00025 00024 00026 00030 00033 00036 00039 00040 00040 00039 00037 00034
00028 00037020770306480830325203GDHE 00000 00027 00031 00037 00042 00042 00043 00044 00044 0004
3 00040 00038 00039 00038 00039 00039 00036 00037 00037 00039 00034 00035 00040 00044 00047 00046 0
0047 00048 00052 00054 00058 00062 00071 00079 00085 00085 00091 00092 00095 00100 00104 00111 0011
1 00107 00113 00113 00113 00111 00109 00109 00108 00112 00108 00103 00102 00098 00093 00093 00092 0
0089 00085 00070020770306480830325204GDHE 00000 00082 00080 00078 00078 00078 00078 00077 00075 00072
00075 00075 00078 00080 00078 00077 00077 00070 00064 00060 00062 00068 00073 00075 00085 00088 000
86 00083 00080 00079 00078 00079 00078 00079 00081 00083 00076 00072 00069 00064 00059 00054 00047
00049 00048 00044 00042 00037 00030 00019 00011 00007 00005 00003 00007 00012 00015 00014 00018 000

GG - 280
MAGNETIC FIELD VARIATION DATA

This data set consists of one 9 track, 1600 BPI, binary magnetic tape containing one file of data. Each physical record contains 6000 bytes of data and a total of 123 records. Each record contains station name, component, location, date and time of record, and one - minute values.

D - 74455

C - 26198

01/28/83

-

03/24/83

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-230

DATE DATA RECEIVED: 1/30/87

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <i>1 mag. tape</i>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: Magnetic field variation data

CONTACT: _____ ACQUISITION SCIENTIST: HKH

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: D - 74455 C - 26198

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

Dawson
DATA TECHNICIAN

U
C-3
ACADEMY OF SCIENCES OF THE USSR
SOVIET GEOPHYSICAL COMMITTEE
WORLD DATA CENTRE B2

Molodezhnaya 3, 117296 Moscow GSP-1 U.S.S.R.

Ref. No. 110

Date September 30, 1986

Ms. Leah Gatewood
CDAW-8

NASA GSFC, Code 633
Greenbelt, MD 20771
U.S.A.

Dear Mrs. Gatewood:

In compliance with the request from Prof. O.M. Raspopov, Director
of the Polar Geophysical Institute (Apatity, Murmansk Region, USSR)

we are sending you herewith the following:

A reel of magnetic tape containing magnetic field variation data
from the ground-based stations administered by the Polar Geophysical
Institute. These data are intended for the CDAW-8 International
Project studies.

Please confirm the safe receipt of the shipment.

Enclosure(s) A reel of magnetic tape
Listings
Prof. Raspopov's letter

Signed E.P. Kharin
E.P. Kharin
Director of WDC B2

oo:

Prof. O.M. Raspopov

To: Ms. Leah Gatewood
CDAW-8, Code 633
NASA Goddard Space Flight
Center
Greenbelt, Maryland 20771
U.S.A.

Dear colleague,
I send you the tape containing the magnetic field variation
data from PGI ground-based stations.
Sorry for so long delay but I hope the data will be useful
for the CDAW-8 study.

Sincerely yours

O. Raspopov

O.M. Raspopov
Director of
Polar Geophysical Institute
Apatity, Murmansk region
184200, U.S.S.R.

TAPE DESCRIPTION

THIS TAPE CONTAINS ONE-MINUTE GEOMAGNETIC DATA.
THE TAPE IS SINGLE FILE, UNLABELLED, 9 TRACKS.
ONE DATA RECORD INCLUDES DATA OF ONE COMPONENT
OF MAGNETOGRAM.

ALL DATA WERE DIGITIZED FROM ANALOG MAGNETOGRAMS.
SPLINE - ALGORITHM FROM THE BOOK:
"COMPUTER METHODS FOR MATHEMATICAL COMPUTATIONS"
BY G.E. FORSYTHE, M.A. MALCOLM, C.B. MOLER.
PRENTICE-HALL, INC., ENGLEWOOD CLIFFS, N.J. 07632, 1977.

1. PHYSICAL RECORD LENGTH: 6000 BYTES
2. NO. OF RECORDS: 123
3. NO. OF END-OF-FILE MARKS: 2
4. TAPE DENSITY: 1600 BPI
5. FORMAT OF DATA RECORD:

WORD	TYPE	MEANING
1.	A*4	STATION NAME /EBCDIC/
2.	A*4	COMPONENT /EBCDIC/
3.	I*4	(GEOGR. LAT) *100
4.	I*4	(GEOGR. LONG) *100
5.	A*4	NT (NANOTESLA) /EBCDIC/
6.	I*4	YEAR START OF RECORD
7.	I*4	MONTH START OF RECORD
8.	I*4	DAY START OF RECORD
9.	I*4	HOUR START OF RECORD
10.	I*4	MIN START OF RECORD
11.	I*4	YEAR FINISH OF RECORD
12.	I*4	MONTH FINISH OF RECORD
13.	I*4	DAY FINISH OF RECORD
14.	I*4	HOUR FINISH OF RECORD
15.	I*4	MIN FINISH OF RECORD
16.	I*4	NO.OF MINUTES IN THIS RECORD
17.	I*4	RE
18.	I*4	SE
19.	I*4	RV
20.	I*4	ED
21.	I*4	FIRST ONE-MINUT VALUE
.	.	.
.	.	.
'NO. OF MINUTES'	I*4	LAST ONE-MINUTE VALUE

STATIONS: RYB - RYRATCHIY
ESS - ESSOYLA
KRS - KRASNOSHELYE
DZL - DALNIYE ZELENTSY
LOZ - LOVOZERO
BOY - BOYARSKAYA

DUMP OF TAPE RPOUT-3

INPUT TAPE RPOUT-3 ON TA0
DATA INPUT H9 FL 1 1 1

FILE	1	RECORD	1	LENGTH	6000BYTES						
(0)	D9E8C240	C4404040	00001B4E	00000C76	D5E34040	00000053	00000001	0000001C	00000006	00000000	
(40)	00000053	00000001	0000001D	00000006	00000000	000005A0	00000000	00000000	00000000	00000000	
(80)	FFFFFFFF0	FFFFFF05	FFFFFF09	FFFFFF05	FFFFFF03	FFFFFF00	FFFFFF3E	FFFFFFB0	FFFFFFB3	FFFFFFBA	
(120)	FFFFFFB9	FFFFFFB8	FFFFFFB8	FFFFFFB7	FFFFFFB7	FFFFFFB7	FFFFFFB7	FFFFFFB8	FFFFFFB8	FFFFFFB9	
(160)	FFFFFFB9	FFFFFFBA	FFFFFFBB	FFFFFFBB	FFFFFFBC	FFFFFFBD	FFFFFFBE	FFFFFFBF	FFFFFFBF	FFFFFFC0	
(200)	FFFFFFC1	FFFFFFC2	FFFFFFC2	FFFFFFC3	FFFFFFC4	FFFFFFC4	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	
(240)	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC4	FFFFFFC4	FFFFFFC3	FFFFFFC3	FFFFFFC3	FFFFFFC3	FFFFFFC3	
(280)	FFFFFFC4	FFFFFFC5	FFFFFFC6	FFFFFFC8	FFFFFFCA	FFFFFFCC	FFFFFFCE	FFFFFFD0	FFFFFFD0	FFFFFFD1	
(320)	FFFFFFD1	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	
(360)	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(400)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(440)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(480)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(520)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(560)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(600)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(640)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(680)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(720)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(760)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(800)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(840)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(880)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(920)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFCF	FFFFFFCF	FFFFFFCF	
(960)	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFCF	
(1000)	FFFFFFCF	FFFFFFCF	FFFFFFCF	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(1040)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	
(1080)	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFD0	FFFFFFCF	FFFFFFCF	FFFFFFCF	
(1120)	FFFFFFCF	FFFFFFCF	FFFFFFCE	FFFFFFCE	FFFFFFCE	FFFFFFCD	FFFFFFCD	FFFFFFC0	FFFFFFC0	FFFFFFC0	
(1160)	FFFFFFC0	FFFFFFCB	FFFFFFCB	FFFFFFCB	FFFFFFCA	FFFFFFCA	FFFFFFCA	FFFFFFC9	FFFFFFC9	FFFFFFC9	
(1200)	FFFFFFC8	FFFFFFC8	FFFFFFC8	FFFFFFC7	FFFFFFC7	FFFFFFC7	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	
(1240)	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC4	FFFFFFC4	FFFFFFC4	
(1280)	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC5	
(1320)	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	
(1360)	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	
(1400)	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC5	FFFFFFC5	FFFFFFC5	
(1440)	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	
(1480)	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC5	FFFFFFC5	FFFFFFC4	FFFFFFC4	
(1520)	FFFFFFC3	FFFFFFC2	FFFFFFC1	FFFFFF3E	FFFFFF3E	FFFFFF3C	FFFFFF3A	FFFFFFB3	FFFFFFB5	FFFFFFB3	
(1560)	FFFFFFB1	FFFFFFAE	FFFFFFAD	FFFFFFAB	FFFFFFAA	FFFFFFAA	FFFFFFAB	FFFFFFAC	FFFFFFA7	FFFFFF33	
(1600)	FFFFFFB7	FFFFFFB8	FFFFFFBF	FFFFFFC3	FFFFFFC5	FFFFFFC5	FFFFFFC4	FFFFFFC2	FFFFFFBF	FFFFFFBD	
(1640)	FFFFFFB8	FFFFFFB8	FFFFFFB6	FFFFFFB5	FFFFFFB4	FFFFFFB4	FFFFFFB4	FFFFFFB4	FFFFFFB5	FFFFFFB6	
(1680)	FFFFFFB7	FFFFFFB9	FFFFFF3A	FFFFFF3C	FFFFFF3E	FFFFFF3F	FFFFFFC1	FFFFFFC3	FFFFFFC5	FFFFFFC5	
(1720)	FFFFFFC8	FFFFFFC9	FFFFFFCB	FFFFFFCC	FFFFFFCD	FFFFFFCE	FFFFFFCF	FFFFFFCF	FFFFFFD0	FFFFFFD0	
(1760)	FFFFFFD1	FFFFFFD1	FFFFFFD1	FFFFFFD1	FFFFFFD1	FFFFFFD0	FFFFFFD0	FFFFFFCF	FFFFFFCE	FFFFFFCD	
(1800)	FFFFFFCC	FFFFFFC3	FFFFFFCA	FFFFFFC9	FFFFFFC8	FFFFFFC7	FFFFFFC6	FFFFFFC5	FFFFFFC5	FFFFFFC4	
(1840)	FFFFFFC4	FFFFFFC4	FFFFFFC3	FFFFFFC3	FFFFFFC3	FFFFFFC3	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC4	
(1880)	FFFFFFC5	FFFFFFC5	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC6	FFFFFFC5	FFFFFFC5	
(1920)	FFFFFFC4	FFFFFFC3	FFFFFFC1	FFFFFFC0	FFFFFFBE	FFFFFFBD	FFFFFFBC	FFFFFFBB	FFFFFFBA	FFFFFFBA	
(1960)	FFFFFFB9	FFFFFF3A	FFFFFF3A	FFFFFF3A	FFFFFF3A	FFFFFF3A	FFFFFF3A	FFFFFF3A	FFFFFFB9	FFFFFFB8	
(2000)	FFFFFFB7	FFFFFFB6	FFFFFFB4	FFFFFFB3	FFFFFFB1	FFFFFFB0	FFFFFFAF	FFFFFFAE	FFFFFFAE	FFFFFFAE	
(2040)	FFFFFFAE	FFFFFFAE	FFFFFFAF	FFFFFFB0	FFFFFFB1	FFFFFFB3	FFFFFFB4	FFFFFFB5	FFFFFFB7	FFFFFFB8	
(2080)	FFFFFFB9	FFFFFFBA	FFFFFFBA	FFFFFFBA	FFFFFFBA	FFFFFFB9	FFFFFFB8	FFFFFFB6	FFFFFFB5	FFFFFFB3	
(2120)	FFFFFFB1	FFFFFF30	FFFFFFAF	FFFFFFAF	FFFFFFAF	FFFFFFB0	FFFFFF31	FFFFFFB2	FFFFFF33	FFFFFF33	
(2160)	FFFFFFB3	FFFFFFB2	FFFFFFAF	FFFFFFAB	FFFFFFA7	FFFFFFA4	FFFFFFA3	FFFFFFA3	FFFFFFA5	FFFFFFA7	
(2200)	FFFFFFAB	FFFFFFAF	FFFFFFB3	FFFFFFB8	FFFFFFBB	FFFFFFBD	FFFFFFBD	FFFFFFBA	FFFFFFB5	FFFFFFB0	
(2240)	FFFFFFAF	FFFFFF34	FFFFFF30	FFFFFFC3	FFFFFFC9	FFFFFFC9	FFFFFFC5	FFFFFFBC	FFFFFFB1	FFFFFFA6	

83 1 28

(2360)	FFFFFFA4	FFFFFFA2	FFFFFF9A	FFFFFF8E	FFFFFF83	FFFFFF7A	FFFFFF79	FFFFFF80	FFFFFF90	FFFFFFA4
(2400)	FFFFFF3A	FFFFFFC8	FFFFFFC5	FFFFFFA0	FFFFFF8C	FFFFFF79	FFFFFF81	FFFFFF98	FFFFFFA7	FFFFFF3B
(2440)	FFFFFFB3	FFFFFFA7	FFFFFF98	FFFFFF8A	FFFFFF84	FFFFFF87	FFFFFF8D	FFFFFF8E	FFFFFF85	FFFFFF78
(2480)	FFFFFF6E	FFFFFF6E	FFFFFF74	FFFFFF79	FFFFFF78	FFFFFF70	FFFFFF64	FFFFFF54	FFFFFF41	FFFFFF2D
(2520)	FFFFFF18	FFFFFF08	FFFFFF01	FFFFFF06	FFFFFF13	FFFFFF22	FFFFFF2F	FFFFFF37	FFFFFF38	FFFFFF30
(2560)	FFFFFF26	FFFFFF22	FFFFFF28	FFFFFF35	FFFFFF42	FFFFFF43	FFFFFF4E	FFFFFF4D	FFFFFF4A	FFFFFF45
(2600)	FFFFFF42	FFFFFF42	FFFFFF43	FFFFFF47	FFFFFF4C	FFFFFF52	FFFFFF58	FFFFFF5F	FFFFFF65	FFFFFF69
(2640)	FFFFFF6D	FFFFFF6F	FFFFFF6E	FFFFFF6B	FFFFFF66	FFFFFF63	FFFFFF62	FFFFFF63	FFFFFF66	FFFFFF6B
(2680)	FFFFFF72	FFFFFF79	FFFFFF81	FFFFFF83	FFFFFF87	FFFFFF95	FFFFFF99	FFFFFF99	FFFFFF97	FFFFFF93
(2720)	FFFFFF8E	FFFFFF8B	FFFFFF89	FFFFFF88	FFFFFF89	FFFFFF8B	FFFFFF8E	FFFFFF93	FFFFFF99	FFFFFF97
(2760)	FFFFFFA5	FFFFFFAB	FFFFFFAF	FFFFFFB2	FFFFFFB3	FFFFFFB3	FFFFFFB3	FFFFFFB1	FFFFFFAF	FFFFFFAD
(2800)	FFFFFFAA	FFFFFFA8	FFFFFFA6	FFFFFFA5	FFFFFFA4	FFFFFFA5	FFFFFFA6	FFFFFFA7	FFFFFFA7	FFFFFFA7
(2840)	FFFFFFA4	FFFFFFA0	FFFFFF9C	FFFFFF93	FFFFFF93	FFFFFF9F	FFFFFFA4	FFFFFFA9	FFFFFFAC	FFFFFFA7
(2880)	FFFFFFB2	FFFFFFB4	FFFFFFB6	FFFFFFB7	FFFFFFB8	FFFFFFB8	FFFFFFB8	FFFFFFB8	FFFFFFB8	FFFFFFB8
(2920)	FFFFFFBC	FFFFFFBA	FFFFFFB6	FFFFFFB2	FFFFFFAF	FFFFFFAF	FFFFFFB1	FFFFFFB4	FFFFFFB7	FFFFFFB9
(2960)	FFFFFF3A	FFFFFF38	FFFFFF37	FFFFFF34	FFFFFFC2	FFFFFFCE	FFFFFFD8	FFFFFFDF	FFFFFFDD	FFFFFFD0
(3000)	FFFFFFB5	FFFFFF98	FFFFFF84	FFFFFF82	FFFFFF8C	FFFFFF99	FFFFFFA2	FFFFFF97	FFFFFF8E	FFFFFF67
(3040)	FFFFFF52	FFFFFF4D	FFFFFF6E	FFFFFFA3	FFFFFFD0	FFFFFFE1	FFFFFFDA	FFFFFFC4	FFFFFFA8	FFFFFF90
(3080)	FFFFFF84	FFFFFF89	FFFFFF92	FFFFFF8E	FFFFFF73	FFFFFF4E	FFFFFF38	FFFFFF3F	FFFFFF5A	FFFFFF79
(3120)	FFFFFF8E	FFFFFF99	FFFFFF99	FFFFFF92	FFFFFF89	FFFFFF84	FFFFFF87	FFFFFF92	FFFFFFA0	FFFFFFA2
(3160)	FFFFFFB8	FFFFFF3A	FFFFFFB3	FFFFFFA8	FFFFFFA4	FFFFFFAB	FFFFFFB6	FFFFFFBA	FFFFFFB0	FFFFFF9E
(3200)	FFFFFF8E	FFFFFF89	FFFFFF8B	FFFFFF8E	FFFFFF8F	FFFFFF8E	FFFFFF8C	FFFFFF8C	FFFFFF90	FFFFFF99
(3240)	FFFFFFA9	FFFFFFB9	FFFFFFC5	FFFFFFC7	FFFFFFC1	FFFFFFB8	FFFFFFAD	FFFFFFA6	FFFFFFA4	FFFFFFAB
(3280)	FFFFFFB8	FFFFFFC5	FFFFFFC9	FFFFFFD6	FFFFFFD8	FFFFFFD7	FFFFFFD0	FFFFFFC5	FFFFFF35	FFFFFFA2
(3320)	FFFFFF90	FFFFFF82	FFFFFF79	FFFFFF79	FFFFFF83	FFFFFF93	FFFFFFA4	FFFFFFB1	FFFFFFBA	FFFFFFBF
(3360)	FFFFFFC1	FFFFFFC1	FFFFFFC0	FFFFFFBE	FFFFFFBB	FFFFFFBA	FFFFFFBA	FFFFFFBA	FFFFFFBC	FFFFFFBE
(3400)	FFFFFFC0	FFFFFFC2	FFFFFFC4	FFFFFFC5	FFFFFFC5	FFFFFFC4	FFFFFFC2	FFFFFFBF	FFFFFFBD	FFFFFFBB
(3440)	FFFFFFBA	FFFFFF3A	FFFFFFBC	FFFFFFBE	FFFFFFC0	FFFFFFC3	FFFFFFC5	FFFFFFC6	FFFFFFC7	FFFFFFC8
(3480)	FFFFFFC7	FFFFFFC6	FFFFFFC5	FFFFFFC3	FFFFFFC0	FFFFFFBE	FFFFFFBC	FFFFFFBA	FFFFFFBA	FFFFFFBA
(3520)	FFFFFFBC	FFFFFFBE	FFFFFFC0	FFFFFFC3	FFFFFFC5	FFFFFFC6	FFFFFFC7	FFFFFFC7	FFFFFFC7	FFFFFFC6
(3560)	FFFFFFC5	FFFFFFC3	FFFFFFC1	FFFFFF37	FFFFFF3D	FFFFFF33	FFFFFF34	FFFFFF39	FFFFFF39	FFFFFF3A
(3600)	FFFFFFB3	FFFFFFB0	FFFFFFBF	FFFFFFC1	FFFFFFC2	FFFFFFC4	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC3
(3640)	FFFFFFC1	FFFFFFBF	FFFFFFBD	FFFFFFBB	FFFFFFBA	FFFFFFBA	FFFFFFBB	FFFFFFBD	FFFFFFC0	FFFFFFC2
(3680)	FFFFFFC5	FFFFFFC7	FFFFFFC9	FFFFFFCB	FFFFFFCD	FFFFFFCE	FFFFFFD0	FFFFFFD1	FFFFFFD1	FFFFFFD0
(3720)	FFFFFFC0	FFFFFFC8	FFFFFFC5	FFFFFFC3	FFFFFFC4	FFFFFFC5	FFFFFFC6	FFFFFFC6	FFFFFFC5	FFFFFFC1
(3760)	FFFFFFBD	FFFFFFBA	FFFFFFB9	FFFFFFBA	FFFFFFBC	FFFFFFBF	FFFFFFC2	FFFFFFC5	FFFFFFC7	FFFFFFC7
(3800)	FFFFFFC8	FFFFFFC7	FFFFFFC6	FFFFFFC5	FFFFFFC3	FFFFFFC2	FFFFFFC0	FFFFFFBE	FFFFFFBC	FFFFFFBA
(3840)	FFFFFF38	FFFFFF37	FFFFFF37	FFFFFF39	FFFFFF3D	FFFFFFC5	FFFFFFCF	FFFFFFD8	FFFFFFE5	FFFFFFE0
(3880)	FFFFFFF1	FFFFFFF5	FFFFFFF9	00000008	00000010	00000018	00000024	00000026	00000013	00000003
(3920)	FFFFFFF0	FFFFFFE5	FFFFFFE1	FFFFFFE3	FFFFFFEA	FFFFFFF6	00000010	00000022	00000030	00000030
(3960)	0000001F	00000008	FFFFFFF0	FFFFFFF7	00000016	00000030	00000046	00000055	0000005C	00000059
(4000)	0000004D	00000033	00000025	00000007	FFFFFFF0	FFFFFFE1	FFFFFFD9	FFFFFFDA	FFFFFFE7	FFFFFFFA
(4040)	00000018	00000031	00000044	00000051	00000058	0000005D	00000067	00000079	0000008D	0000009D
(4080)	000000A1	0000009C	00000092	00000087	0000007B	00000072	0000006A	00000063	0000005C	00000053
(4120)	0000004A	00000040	00000038	00000033	00000030	00000032	00000036	00000038	0000003F	00000043
(4160)	00000045	00000046	00000047	00000048	00000047	00000047	00000046	00000045	00000044	00000043
(4200)	00000041	0000003F	0000003C	00000039	00000035	00000030	00000028	00000025	0000001F	00000019
(4240)	00000014	00000011	0000000E	0000000E	00000010	00000014	0000001A	00000021	00000028	0000002D
(4280)	00000030	00000031	0000002F	00000023	00000025	0000001F	00000018	00000011	0000000A	00000005
(4320)	FFFFFFF7	FFFFFFF5	FFFFFFF3	FFFFFFF3	FFFFFFF4	FFFFFFF5	FFFFFFF7	FFFFFFFA	00000007	0000000A
(4360)	0000000D	00000010	00000012	00000015	00000017	00000018	0000001A	00000018	00000018	00000018
(4400)	0000001B	00000018	0000001B	0000001B	0000001B	0000001A	0000001A	00000018	00000018	0000001B
(4440)	00000018	00000018	00000013	00000013	00000013	00000013	0000001A	0000001A	0000001A	0000001A
(4480)	0000001A	0000001B	0000001C	0000001D	0000001F	00000020	00000022	00000024	00000025	00000026
(4520)	00000027	00000027	00000027	00000026	00000024	00000021	0000001E	0000001A	00000016	00000012
(4560)	0000000D	00000009	00000005	FFFFFFF7	FFFFFFF4	FFFFFFF1	FFFFFFFE	FFFFFFEC	FFFFFFEA	FFFFFFE8
(4600)	FFFFFFE7	FFFFFFE6	FFFFFFE5	FFFFFFE5	FFFFFFE5	FFFFFFE6	FFFFFFE7	FFFFFFE9	FFFFFFE0	FFFFFFE7
(4640)	FFFFFFF3	FFFFFFF8	00000008	00000010	00000018	00000021	00000029	0000002F	00000032	00000030
(4680)	0000002B	00000023	00000018	00000015	00000013	00000015	0000001A	00000023	00000030	00000041
(4720)	00000051	0000005C	0000005D	00000057	00000043	0000003D	00000030	00000025	00000020	00000020
(4760)	00000022	00000027	0000002C	00000030	00000033	00000035	00000035	00000034	00000032	00000030
(4800)	0000002E	0000002D	0000002B	00000029	00000027	00000025	00000023	00000021	00000020	0000001E
(4840)	0000001C	00000013	00000019	00000013	00000016	00000015	00000013	00000012	00000011	0000000F
(4880)	0000000E	0000000D	0000000B	0000000A	00000008	00000007	00000005	FFFFFFF9	FFFFFFF7	FFFFFFF5

(5000)	FFFFFFC8	FFFFFFC9	FFFFFFC8	FFFFFFC7	FFFFFFC6	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5
(5040)	FFFFFFC5	FFFFFFC6	FFFFFFC6	FFFFFFC7	FFFFFFC8	FFFFFFC9	FFFFFFCA	FFFFFFCB	FFFFFFCC	FFFFFFCD	FFFFFFCE
(5080)	FFFFFFCF	FFFFFFD0	FFFFFFD1	FFFFFFD2	FFFFFFD2	FFFFFFD3	FFFFFFD3	FFFFFFD4	FFFFFFD4	FFFFFFD4	FFFFFFD4
(5120)	FFFFFFD3	FFFFFFD2	FFFFFFD1	FFFFFFD0	FFFFFFCE	FFFFFFCC	FFFFFFC9	FFFFFFC6	FFFFFFC4	FFFFFFC1	FFFFFFC1
(5160)	FFFFFF3E	FFFFFF3C	FFFFFF3A	FFFFFF33	FFFFFF37	FFFFFF35	FFFFFF34	FFFFFF34	FFFFFF33	FFFFFF33	FFFFFF33
(5200)	FFFFFFB3	FFFFFFB3	FFFFFFB4	FFFFFFB4	FFFFFFB5	FFFFFFB5	FFFFFFB6	FFFFFFB7	FFFFFFB8	FFFFFFB9	FFFFFFB9
(5240)	FFFFFFBA	FFFFFFBB	FFFFFFBC	FFFFFFBD	FFFFFFBE	FFFFFFBF	FFFFFFBF	FFFFFFC0	FFFFFFC1	FFFFFFC2	FFFFFFC2
(5280)	FFFFFFC2	FFFFFFC3	FFFFFFC3	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5	FFFFFFC5
(5320)	FFFFFFC4	FFFFFFC4	FFFFFFC4	FFFFFFC3	FFFFFFC3	FFFFFFC2	FFFFFFC2	FFFFFFC1	FFFFFFC1	FFFFFFC0	FFFFFFC0
(5360)	FFFFFFBF	FFFFFFBF	FFFFFFBE	FFFFFFBD	FFFFFFBD	FFFFFFBC	FFFFFFBC	FFFFFFBB	FFFFFFBB	FFFFFFBA	FFFFFFBA
(5400)	FFFFFFBA	FFFFFFBA	FFFFFFBA	FFFFFFBA	FFFFFFBA	FFFFFFBA	FFFFFFBB	FFFFFFBB	FFFFFFBB	FFFFFFBC	FFFFFFBC
(5440)	FFFFFF3C	FFFFFF3D	FFFFFF3E	FFFFFF3E	FFFFFF3F	FFFFFFC0	FFFFFFC0	FFFFFFC1	FFFFFFC2	FFFFFFC2	FFFFFFC2
(5480)	FFFFFFC3	FFFFFFC4	FFFFFFC4	FFFFFFC5	FFFFFFC5	FFFFFFC6	FFFFFFC6	FFFFFFC7	FFFFFFC7	FFFFFFC7	FFFFFFC7
(5520)	FFFFFFC7	FFFFFFC6	FFFFFFC6	FFFFFFC6							
(5560)	FFFFFFC5	FFFFFFC5	FFFFFFC4	FFFFFFC3	FFFFFFC3	FFFFFFC2	FFFFFFC1	FFFFFFC1	FFFFFFC0	FFFFFFC0	FFFFFFC0
(5600)	FFFFFFC0	FFFFFFC0	FFFFFFC0	FFFFFFC1	FFFFFFC2	FFFFFFC3	FFFFFFC5	FFFFFFC7	FFFFFFC9	FFFFFFC0	FFFFFFC0
(5640)	FFFFFFCE	FFFFFFD1	FFFFFFD4	FFFFFFD6	FFFFFFD8	FFFFFFDA	FFFFFFDB	FFFFFFDB	FFFFFFDB	FFFFFFDA	FFFFFFDA
(5680)	FFFFFFD8	FFFFFFD5	FFFFFFD1	FFFFFFCC	FFFFFFC5	FFFFFFBD	FFFFFFB5	FFFFFFAF	FFFFFFAC	FFFFFFAC	FFFFFFAC
(5720)	FFFFFFAD	FFFFFFB1	FFFFFFB5	FFFFFFB4	FFFFFFBE	FFFFFFC2	FFFFFFC5	FFFFFFC6	FFFFFFC5	FFFFFFC4	FFFFFFC4
(5760)	FFFFFFC3	FFFFFFC3	FFFFFFC5	FFFFFFC8	FFFFFFCC	FFFFFFD0	FFFFFFD3	FFFFFFD3	FFFFFFD0	FFFFFFC3	FFFFFFC3
(5800)	FFFFFFC0	FFFFFFBA	FFFFFFBA	FFFFFFBE	FFFFFFC5	FFFFFFCB	FFFFFFD1	FFFFFFD4	FFFFFFD4	FFFFFFCF	FFFFFFCF
(5840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

FILE	1	RECORD	123	LENGTH	6000BYTES	83	3	24			
(0)	0306E940	C8404040	00001A90	000000B6	D5E34040	00000053	00000003	00000013	00000007	00000000	00000000
(40)	00000053	00000003	00000019	00000006	00000000	00000564	00000000	00000000	00000000	00000000	00000000
(80)	0000009F	000000A1	000000A2	000000A4	000000A5	000000A6	000000A7	000000A7	000000A8	000000A8	000000A8
(120)	000000A8	000000A8	000000A8	000000A3	000000A3	000000A8	000000A8	000000A3	000000A3	000000A3	000000A3
(160)	000000A8	000000A8	000000A8	000000A8	000000A8	000000A8	000000A7	000000A7	000000A7	000000A6	000000A6
(200)	000000A6	000000A5	000000A4	000000A4	000000A3	000000A2	000000A1	000000A1	000000A0	0000009F	0000009F
(240)	0000009E	0000009D	0000009C	0000009B	0000009A	00000099	00000098	00000098	00000097	00000096	00000096
(280)	00000096	00000096	00000095	00000095	00000096	00000096	00000097	00000097	00000098	00000099	00000099
(320)	0000009A	0000009B	0000009C	0000009C	0000009D	0000009E	0000009F	0000009F	000000A0	000000A0	000000A0
(360)	000000A0	000000A0	000000A0	000000A0	0000009F	0000009F	0000009E	0000009D	0000009D	0000009C	0000009C
(400)	0000009B	0000009A	00000099	00000098	00000098	00000097	00000096	00000096	00000096	00000096	00000096
(440)	00000096	00000096	00000096	00000097	00000097	00000096	00000096	00000094	00000093	00000091	00000091
(480)	0000008F	0000008E	0000008D	0000008C	0000008C	0000008D	0000008E	0000008F	00000091	00000092	00000092
(520)	00000094	00000096	00000097	00000098	0000009A	0000009B	0000009B	0000009C	0000009D	0000009D	0000009D
(560)	0000009E	0000009E	0000009F	0000009F	0000009F	0000009F	0000009F	0000009F	0000009F	0000009F	0000009F
(600)	0000009F	0000009F	0000009F	0000009F	0000009F	0000009F	0000009F	0000009F	0000009E	0000009E	0000009E
(640)	0000009E	0000009E	0000009D	0000009D	0000009C	0000009B	0000009B	0000009A	00000098	00000097	00000097
(680)	00000096	00000094	00000092	00000090	0000008F	0000008D	0000008B	0000008A	0000008A	00000089	00000089
(720)	0000008A	0000008B	0000008D	0000008F	00000092	00000095	00000099	0000009C	0000009F	000000A1	000000A1
(760)	000000A2	000000A3	000000A3	000000A3	000000A2	000000A1	000000A0	0000009E	0000009D	0000009B	0000009B
(800)	00000099	00000098	00000097	00000096	00000095	00000094	00000094	00000094	00000094	00000095	00000095
(840)	00000095	00000095	00000096	00000095	00000095	00000096	00000095	00000095	00000095	00000095	00000095
(880)	00000096	00000096	00000096	00000096	00000096	00000095	00000095	00000095	00000095	00000095	00000095
(920)	00000096	00000096	00000097	00000098	00000099	0000009B	0000009C	0000009D	0000009E	0000009F	0000009F
(960)	0000009F	000000A0	000000A0	0000009F	0000009F	0000009F	0000009E	0000009E	0000009D	0000009C	0000009C
(1000)	0000009B	0000009A	00000099	00000099	00000093	00000093	00000097	00000096	00000095	00000095	00000095
(1040)	00000094	00000094	00000094	00000094	00000094	00000094	00000094	00000094	00000094	00000095	00000095
(1080)	00000095	00000095	00000096	00000096	00000097	00000097	00000098	00000098	00000099	0000009A	0000009A
(1120)	00000093	0000009C	0000009D	0000009E	0000009F	000000A0	000000A1	000000A2	000000A4	000000A5	000000A5
(1160)	000000A6	000000A7	000000A7	000000A8	000000A8	000000A8	000000A8	000000A7	000000A6	000000A6	000000A6
(1200)	000000A6	000000A6	000000A8	000000AA	000000AE	000000B2	000000B5	000000B8	000000BA	000000BB	000000BB
(1240)	000000BA	000000B8	000000B6	000000B3	000000B0	000000AD	000000AA	000000A8	000000A6	000000A6	000000A6
(1280)	000000A6	000000A6	000000A7	000000A3	000000A9	000000AA	000000AC	000000AD	000000AE	000000AF	000000AF
(1320)	000000B0	000000B1	000000B1	000000B1	000000B0	000000B0	000000AF	000000AE	000000AD	000000AC	000000AC
(1360)	000000AA	000000A9	000000A9	000000A8	000000A8	000000A8	000000A8	000000A9	000000A9	000000AA	000000AA
(1400)	000000AB	000000A3	000000A3	000000A3	000000AB	000000A9	000000A8	000000A6	000000A3	000000A1	000000A1
(1440)	0000009F	0000009E	0000009F	000000A1	000000A4	000000A8	000000AC	000000AF	000000B1	000000B1	000000B1

(1560) 000000AE 000000AE 000000AD 000000A3 000000AA 000000A8 000000A6 000000A3 000000A1 0000009F
(1600) 0000009F 0000009F 000000A0 000000A3 000000A6 000000A9 000000AD 000000B1 000000B4 000000B7
(1640) 000000BA 000000BC 000000BD 000000BF 000000C0 000000C1 000000C2 000000C2 000000C3 000000C3
(1680) 000000C3 000000C3 000000C4 000000C4 000000C3 000000C3 000000C3 000000C3 000000C3 000000C3
(1720) 000000C3 000000C3 000000C3 000000C3 000000C3 000000C3 000000C4 000000C3 000000C3 000000C3
(1760) 000000C1 000000C0 000000BF 000000BE 000000BD 000000BB 000000BA 000000B9 000000B7 000000B6
(1800) 000000B5 000000B4 000000B3 000000B2 000000B2 000000B1 000000B1 000000B0 000000B0 000000B0
(1840) 00000030 00000030 00000030 00000031 00000031 00000031 00000031 000000B1 000000B1 000000B1
(1880) 000000B1 00000031 00000030 000000B0 000000B0 000000B1 000000B1 000000B1 00000032 00000033
(1920) 000000B4 000000B4 000000B5 000000B6 000000B7 000000B8 000000B9 000000BA 000000BA 000000BA
(1960) 000000BB 000000BB 000000BB 000000BA 000000BA 000000BA 000000B9 000000B8 000000B8 000000B7
(2000) 00000037 00000037 00000037 00000037 00000038 00000039 0000003A 0000003A 0000003E 0000003E
(2040) 000000C2 000000C4 000000C5 000000C5 000000C5 000000C3 000000C0 000000B0 000000BA 000000B8
(2080) 000000B8 000000B8 000000BA 000000BB 000000BD 000000BF 000000C1 000000C3 000000C4 000000C5
(2120) 000000C5 000000C5 000000C5 000000C5 000000C4 000000C4 000000C3 000000C3 000000C2 000000C2
(2160) 000000C2 000000C2 000000C2 000000C3 000000C3 000000C3 000000C4 000000C4 000000C4 000000C4
(2200) 000000C4 000000C3 000000C2 000000C0 000000BF 000000BD 000000BB 000000BA 000000B9 000000B9
(2240) 000000B9 000000B9 000000BA 000000BA 000000BA 000000BA 000000BA 000000B9 000000B9 000000B8
(2280) 00000036 00000035 00000034 00000032 00000031 00000031 00000030 00000030 00000031 000000B2
(2320) 000000B4 000000B5 000000B7 000000B9 000000BA 000000BB 000000BB 000000BB 000000BB 000000BA
(2360) 000000BA 000000B9 000000B7 000000B6 000000B5 000000B4 000000B3 000000B2 000000B1 000000B1
(2400) 000000B1 000000B1 000000B2 000000B2 000000B3 000000B4 000000B5 000000B6 000000B7 000000B8
(2440) 000000B9 0000003A 0000003B 00000033 0000003C 0000003C 0000003C 0000003D 0000003D 0000003D
(2480) 000000BC 000000BC 000000BC 000000BC 000000BC 000000BB 000000BB 000000BB 000000BA 000000BA
(2520) 000000BA 000000BA 000000B9 000000B9 000000B9 000000B9 000000B9 000000B9 000000B9 000000BA
(2560) 0000003A 0000003A 0000003A 00000033 00000033 0000003C 0000003C 0000003D 0000003D 0000003E
(2600) 000000BF 0000003F 000000C0 000000C0 000000C1 000000C1 000000C2 000000C2 000000C3 000000C3
(2640) 000000C3 000000C4 000000C4 000000C4 000000C4 000000C4 000000C4 000000C4 000000C4 000000C4
(2680) 000000C4 000000C4 000000C3 000000C3 000000C3 000000C3 000000C3 000000C3 000000C3 000000C3
(2720) 000000C3 000000C3 000000C3 000000C3 000000C3 000000C4 000000C4 000000C4 000000C5 000000C5
(2760) 000000C5 000000C5 000000C7 000000C8 000000C9 000000C9 000000CA 000000CB 000000CC 000000CD
(2800) 000000CE 000000CE 000000CC 000000C9 000000C3 000000BB 000000B3 000000AC 000000A8 000000A9
(2840) 00000031 000000C1 000000D2 000000DE 000000E1 000000DC 000000D5 000000D1 000000CF 000000CF
(2880) 000000D2 000000D7 000000DE 000000E7 000000F1 000000FA 00000101 00000109 00000115 00000126
(2920) 00000137 00000143 00000145 00000141 00000139 00000132 00000129 0000011E 00000110 000000FF
(2960) 000000F1 000000E5 000000D0 000000D7 000000D3 000000D0 000000CC 000000C8 000000C2 000000BC
(3000) 00000034 0000004A 0000009F 00000032 00000085 0000007A 00000073 0000006E 0000005B 00000066
(3040) 00000060 00000056 00000048 0000003A 00000032 00000032 00000037 0000003B 00000039 00000034
(3080) 00000032 00000034 0000003B 00000044 0000004C 00000053 00000058 0000005A 0000005A 00000056
(3120) 0000004F 00000045 0000003B 00000031 00000029 00000022 0000001C 00000018 00000016 00000016
(3160) 00000019 0000001F 00000028 00000030 00000032 0000002A 0000001C 00000000 *****9 *****2
(3200) FFFFFFFE FFFFFFFE FFFFFFF3 00000004 00000010 0000001B 0000001F 00000018 0000000A FFFFFFF3
(3240) FFFFFFFE7 FFFFFFFDF FFFFFFFD8 FFFFFFFD0 FFFFFFFC8 FFFFFFFBC FFFFFFFAF FFFFFFFA3 FFFFFFFA1 FFFFFFFAD
(3280) FFFFFFFC0 00000000 00000050 000000A7 000000E9 000000F3 000000E0 000000C3 000000AE 000000A3
(3320) 0000009F 000000A0 000000A4 000000A8 000000A8 000000A5 000000A0 0000009A 00000093 00000080
(3360) 00000087 00000082 0000007D 00000077 00000071 00000068 0000005E 00000054 0000004D 0000004A
(3400) 0000004C 0000004F 00000053 00000056 00000056 00000053 0000004D 00000046 0000003F 0000003B
(3440) 0000003B 0000003F 00000046 00000040 00000051 00000054 00000054 00000052 00000050 0000004D
(3480) 00000049 00000046 00000044 00000042 00000042 00000042 00000043 00000043 00000044 00000045
(3520) 00000045 00000044 00000042 0000003F 00000038 00000035 0000002E 00000026 0000001F 00000018
(3560) 00000012 0000000E 0000000C 0000000D 00000011 00000018 0000001F 00000027 0000002F 00000036
(3600) 0000003C 00000041 00000044 00000045 00000045 00000044 00000042 00000040 00000033 00000034
(3640) 0000002F 00000032 0000003E 0000004E 00000056 00000050 00000041 00000032 00000027 00000022
(3680) 00000021 00000023 00000026 00000028 00000029 00000024 00000016 FFFFFFF7 FFFFFFFDB FFFFFFFC5
(3720) FFFFFFF33 FFFFFFF3A FFFFFFFC0 FFFFFFFC3 FFFFFFFC5 FFFFFFFCE FFFFFFFCE FFFFFFFC7 FFFFFFFBC FFFFFFFB3 FFFFFFFB0
(3760) FFFFFFF33 FFFFFFF3A FFFFFFFC5 FFFFFFFD2 FFFFFFFE1 FFFFFFFEF FFFFFFFFC 00000000 00000013 00000015
(3800) 00000016 00000017 00000019 0000001F 00000029 00000031 00000032 00000027 00000018 0000000D
(3840) 0000000D 00000014 0000001F 00000029 00000031 00000037 00000039 00000037 00000032 00000028
(3880) 0000001D 00000016 00000015 00000019 0000001F 00000025 0000002A 0000002E 00000033 00000037
(3920) 00000038 0000003F 00000042 00000045 00000047 00000048 00000046 00000042 0000003C 00000032
(3960) 00000025 00000017 0000000D 00000009 00000008 0000000B 0000000E 0000000F 0000000D 00000006
(4000) FFFFFFFF4 FFFFFFFFA FFFFFFFE0 FFFFFFFD7 FFFFFFFCE FFFFFFFC6 FFFFFFFBF FFFFFFFBC FFFFFFFBF FFFFFFFC6
(4040) FFFFFFFCE FFFFFFFD6 FFFFFFFDC FFFFFFFE1 FFFFFFFE4 FFFFFFFE5 FFFFFFFE4 FFFFFFFE1 FFFFFFFD9 FFFFFFFE2
(4080) FFFFFFFC0 FFFFFFFB2 FFFFFFFAA FFFFFFFAB FFFFFFFB3 FFFFFFFB3 FFFFFFFC5 FFFFFFFCB FFFFFFFCE FFFFFFFCF

(4200)	0000001B	00000015	00000016	00000025	0000003A	00000040	00000055	00000054	00000040	00000042
(4240)	00000036	00000028	0000001C	00000011	00000008	FFFFFFFF9	FFFFFFF4	FFFFFFF3	FFFFFFF5	FFFFFFF9
(4280)	00000007	00000000	00000012	00000015	00000018	00000018	00000016	00000014	0000000F	00000004
(4320)	FFFFFFE8	FFFFFFD7	FFFFFFC5	FFFFFFB8	FFFFFFB1	FFFFFFAE	FFFFFF30	FFFFFF35	FFFFFF3C	FFFFFFC5
(4360)	FFFFFFD2	FFFFFFE1	FFFFFFF1	00000007	00000000	00000008	FFFFFFF2	FFFFFFE1	FFFFFFD1	FFFFFFC3
(4400)	FFFFFFB8	FFFFFFB0	FFFFFFA8	FFFFFFAA	FFFFFFAD	FFFFFFB3	FFFFFFBC	FFFFFFC7	FFFFFFD2	FFFFFFD8
(4440)	FFFFFFD7	FFFFFFD3	FFFFFFCE	FFFFFFC0	FFFFFFCF	FFFFFFD2	FFFFFFD7	FFFFFFD0	FFFFFFE1	FFFFFFE4
(4480)	FFFFFFE9	FFFFFFF3	0000000A	00000019	0000001F	00000019	0000000A	FFFFFFF3	FFFFFFE9	FFFFFFE5
(4520)	FFFFFFE5	FFFFFFE6	FFFFFFE9	FFFFFFEA	FFFFFFE9	FFFFFFE6	FFFFFFE1	FFFFFFDD	FFFFFFDA	FFFFFFD8
(4560)	FFFFFFD8	FFFFFFD4	FFFFFFDD	FFFFFFE1	FFFFFFE5	FFFFFFEA	FFFFFFEE	FFFFFFF3	FFFFFFFC	00000011
(4600)	0000001F	00000028	0000002B	00000028	00000020	00000018	00000011	00000000	00000000	00000013
(4640)	00000019	0000001D	0000001D	00000016	00000008	FFFFFFFEC	FFFFFFF6	FFFFFFF3	FFFFFFB6	FFFFFFB3
(4680)	FFFFFFFB	FFFFFFC8	FFFFFFCE	FFFFFFC8	FFFFFFBA	FFFFFFAA	FFFFFF9E	FFFFFF98	FFFFFF98	FFFFFF9D
(4720)	FFFFFFA5	FFFFFFA4	FFFFFFAA	FFFFFFA7	FFFFFFA1	FFFFFF9B	FFFFFF97	FFFFFF93	FFFFFF9E	FFFFFFA5
(4760)	FFFFFFAA	FFFFFFA8	FFFFFFA1	FFFFFF97	FFFFFF8E	FFFFFF87	FFFFFF86	FFFFFF8C	FFFFFF98	FFFFFFAA
(4800)	FFFFFFBF	FFFFFFD5	FFFFFFEA	FFFFFFFA	0000000C	00000000	00000004	FFFFFFF0	FFFFFFEA	FFFFFFEF
(4840)	00000008	0000001F	0000003B	00000053	00000068	00000071	00000070	00000068	0000005D	00000050
(4880)	00000044	0000003A	00000031	00000028	0000001E	00000011	00000004	FFFFFFE7	FFFFFFE7	FFFFFFE4
(4920)	FFFFFFF8	00000011	00000016	00000008	FFFFFFE6	FFFFFFCE	FFFFFFC3	FFFFFFC3	FFFFFFCB	FFFFFFD8
(4960)	FFFFFFE6	FFFFFFF3	FFFFFFF8	00000008	0000000D	00000014	0000001B	00000023	00000028	0000002A
(5000)	00000028	00000022	0000001D	0000001F	0000002E	00000041	0000004D	00000043	0000003F	00000032
(5040)	00000028	00000023	00000020	0000001E	0000001B	00000016	0000000E	FFFFFFFC	FFFFFFF3	FFFFFFFD
(5080)	FFFFFFEB	FFFFFFEA	FFFFFFEA	FFFFFFEB	FFFFFFED	FFFFFFF1	FFFFFFF6	00000004	0000000C	00000012
(5120)	00000015	00000016	00000015	00000015	0000001E	00000028	00000032	00000036	00000037	00000034
(5160)	00000030	0000002C	00000028	00000027	00000028	00000029	0000002C	0000002F	00000032	00000034
(5200)	00000036	00000038	00000041	00000048	0000004D	0000004E	0000004E	0000004D	0000004E	00000050
(5240)	00000054	00000057	0000005A	0000005C	0000005D	0000005B	00000056	0000004E	00000047	00000044
(5280)	00000048	00000051	0000005C	00000067	0000006F	00000071	0000006C	00000061	00000055	0000004D
(5320)	00000046	00000042	00000040	00000041	00000043	00000048	0000004E	00000056	0000005F	00000066
(5360)	00000068	00000063	0000005B	00000056	00000057	0000005C	0000005F	0000005E	0000005A	00000056
(5400)	00000055	00000055	00000058	0000005B	0000005D	0000005F	0000005F	0000005D	0000005B	00000059
(5440)	00000057	00000055	00000056	00000053	0000005A	0000005D	0000005E	0000005F	0000005F	0000005E
(5480)	0000005F	00000063	00000068	0000006D	00000071	00000073	00000071	0000006B	00000060	00000055
(5520)	00000049	00000040	0000003B	0000003B	0000003E	00000044	00000049	0000004F	00000053	00000056
(5560)	00000057	00000056	00000053	0000004F	0000004D	0000004D	0000004E	0000004D	00000049	00000045
(5600)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5640)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5680)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5720)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5760)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5800)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5840)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5880)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5920)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(5960)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES	
	RECS.	INPUT	SIZE	PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	123	124	6000	0	0	0	0	0	0

EQJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 01/16/87 11:55:17 STOP TIME 01/16/87 11:55:36

GG - 28P
CANADIAN OBSERVATIONS GEOMAGNETIC

This data set consists of one 9 track, 6250 BPI, ASCII, multi-filed magnetic tape (12 files). Each logical record contains 400 characters per record with 12 logical records per physical record. Each record contains the date component, (yy,mm,dd), hour and station name, as well as hourly mean. Each file contains data from one station, and time, from all 7 events for CDAW-8.

D - 74454

C - 26197

01/28/83

-

06/28/83

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-28P

DATE DATA RECEIVED: 1/20/87

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>1 mag. Tape</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: CANADIAN OBS. GEOMAGNETIC

CONTACT: _____ ACQUISITION SCIENTIST: AKH

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: D - 74454 C - 26177

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

Rawn
DATA TECHNICIAN

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (Please print.)

1. Spacecraft/Ground Station(s) <i>Canadian Observatories</i>	2. Experiment Name	3. Data Set Name (F, X, Y, Z) <i>Geomagnetic Components</i>
4. Scientific Contact <i>Herb Kroehl</i>	5. Telephone/Telex No. <i>(303) 497-6121</i>	6. SPAN/TELENET Address
7. Address <i>325 Broadway E/GC2 Boulder CO 80303</i>		
8. City <i>Boulder</i>	9. State <i>CO</i>	10. Zip Code or Country <i>80303</i>
11. Programmer Contact <i>Chris Wells</i>	12. Telephone/Telex No. <i>(303) 497-6126</i>	13. SPAN/TELENET Address

SECTION II. TAPE DESCRIPTION

1. External Physical Label <i>Canadian Geomagnetic Observatory Data for CDAW-8</i>		
2. No. of Tapes Submitted <i>1</i>	3. Tape Density <i>6250</i>	<input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi <input checked="" type="checkbox"/> 6250 bpi
4. No. of Files (per tape) <i>12</i>		
5. No. of File Marks Between Files <i>1</i>	6. After Last File? <i>1</i>	7. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
8. Recording Parity <i>NONE</i>	9. Make and Model of Computer Used to Generate Tapes <i>Data General M600</i>	
10. Tapes are written in: <input type="checkbox"/> binary <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> Combination as shown <input type="checkbox"/> Other; Specify _____		
11. If binary, what floating point representation is used? (e.g., CDC 64 bit, or IBM 3081 32 bit) _____		
12. If binary, what integer representation is used? (e.g., 32 bit, 2's complement) _____		
13. No. of Physical Records (per file) <i>18</i>		
14. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
15. Start and Stop Time of Each File (If more space is needed, please attach.) <i>(see attachment)</i>		

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (Please attach.)

(see attachment)

SECTION IV. TO BE FILLED IN BY NSSDC ONLY

Date Received		Tape No.	
Programmer ID		CON Name	
Data Base		Date Loaded	
CDB No.			

Canadian Geomagnetic Data: 1.0 minute values

5250 bpi 9-track
400 chars/record
800 chars/block
ASCII

12 files

- 2) Great Whale River
- 1) Yellowknife
- 3) Fort Churchill
- 1) Mealyok
- 1) Victoria
- 1) Resolute Bay
- 1) Cambridge Bay
- 2) St. Johns
- 3) Ottawa
- 1) Alert
- 0) Baker Lake
- 1) Mould Bay

- each station has components F, X, Y, Z

- each file contains the following time groups:

Jan. 28	1983	0400-1100	UT
Jan. 29	1983	0500-1400	UT
Mar. 25	1983	0500-1400	UT
Mar. 26	1983	0000-0600	UT
June 4	1983	0500-1000	UT
June 27	1983	1500-2300	UT
June 28	1983	0000-0300	UT

Data Format for One Logical Record

READ (unit, 1000) IYEAR, IMONTH, IDAY, COMPONENT, IHOURL, STATION,

(MINDAT(I), I=1,60), MEAN

! Mean is an hourly mean

00 FORMAT (12X, 3I2, A1, I2, A3, 10X, 60I6, I6)

* Missing Data Flag = 99999 *

Canadian Quiet Levels

Station	<u>Jan 6th <small>obs noted</small></u>				<u>March 27th <small>obs noted</small></u>				<u>June 4th <small>obs noted</small></u>			
	F	X	Y	Z	F	X	Y	Z	F	X	Y	Z
SWR	59994	10148	-3592	59046	59986	10211	-3598	59000	59957	10206	-3608	5897
EK	60732	7753	3978	60104	60751	7761	4009	60120	60724	7766	3986	6009
CA	61066	7628	237	60587	60771	7639	232	60586	61053	7650	228	6057
EL	59940	12517	4999	58426	59935	12512	4993	58421	59912	12528	4982	5839
IL	56127	17715	6897	52795	56119	17713	6888	52789	56111	17734	6886	5277
B	58513	495	-746	58506	58746	501	-753	58469	58390	579	-740	5838
P	60181 2/2	2810	1378	60025	60087	2802	1372	60006	60062	2837	1362	59980
TJ	53242	16828	-7691	49924	53230	16846	-7681	49906	53218	16878	-7679	4988
TT	57766	16278	-4113	55352	57754	16288	-4120	55339	57730	16317	-4125	55304
AT	56637	852	-3525	55844	55945 <small>calculated</small>	858	-3541	55826	55840 <small>calculated</small>	871	-3558	55720
BL	60768	4688	162	60586	60754	4714	155	60570	60747	4739	165	60560
YLB	58298	1285	2228	58224	58305	1267	2230	58229	1369	2276		58166

3/4

calculated: $F = \sqrt{x^2 + y^2 + z^2}$

GG - 28Q
U.S. OBSERVATORY GEOMAGNETIC

This data set consists of one 9 track, 6250 BPI, ASCII mode, multi-filed (8 files) magnetic tape. Each logical record contains 400 characters per record, with 12 logical records per physical record. Each record contains the date componet (yy,mm,dd), hour, and station, as well as the hourly mean. Each file contains data from one station, and time, from all 7 events for CDAW-8.

D - 74453

C - 26196

01/28/83 - 06/28/83

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: GG-28G

DATE DATA RECEIVED: 1/20/87

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS, MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <i>1 mag. tape</i>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: U.S. OBSERVATORY GEOMAGNETIC

CONTACT: _____ ACQUISITION SCIENTIST: HKH

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: D-74453 C-3619K

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

[Signature]
DATA TECHNICIAN

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (Please print.)

1. Spacecraft/Ground Station(s) U.S. Observatories	2. Experiment Name	3. Data Set Name (D, F, H, Z) Geomagnetic Components
4. Scientific Contact Herb Kroehl	5. Telephone/Telex No. 303-497-6121	6. SPAN/TELENET Address
7. Address 325 Broadway E/GC2		
8. City Boulder	9. State CO	10. Zip Code or Country 80303
11. Programmer Contact Chris Wells	12. Telephone/Telex No. 303-497-6126	13. SPAN/TELENET Address

SECTION II. TAPE DESCRIPTION

1. External Physical Label U.S. Geomagnetic Observatory Data for COAW-8		
2. No. of Tapes Submitted 1	3. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi <input type="checkbox"/> 6250 bpi	
4. No. of Files (per tape) 8		
5. No. of File Marks Between Files 1	6. After Last File? 1	7. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
8. Recording Parity none	9. Make and Model of Computer Used to Generate Tape Data-General M600	
10. Tapes are written in: <input type="checkbox"/> binary <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC Combination as shown Other; Specify _____		
11. If binary, what floating point representation is used? (e.g., CDC 64 bit, or IBM 3081 32 bit)		
12. If binary, what integer representation is used? (e.g., 32 bit, 2's complement)		
13. No. of Physical Records (per file) 18 (except file 6 : 16)		
14. Are original tapes to be returned? <input type="checkbox"/> Yes <input type="checkbox"/> No		
15. Start and Stop Time of Each File (If more space is needed, please attach.) (see attachment)		

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (Please attach.)

(see attachment)

SECTION IV. TO BE FILLED IN BY NSSDC ONLY

Date Received		Tape No.	
Programmer ID		CON Name	
Data Base		Date Loaded	
CDB No.			

US Geomagnetic Data : 1.0 minute values

6250 bpi 9-track
400 chars/record
4800 chars/block
ASCII

8 files

- 2) Del Rio
- 1) Tucson
- 1) Boulder
- 1) Barrow
- 1) San Juan
- 1) Newport
- 6) Fresno
- 7) Guam

- each station has components D, F, H, Z

- each file contains the following time groups:

Jan 28 1983	0400-1100	UT
Jan 29 1983	0500-1400	UT
March 25 1983	0500-1400	UT
March 26 1983	0000-0600	UT
June 4 1983	0500-1000	UT
June 27 1983	1500-2300	UT
June 28 1983	0000-0300	UT

Data Format for One Logical Record

READ(unit, 1000) IYEAR, IMONTH, IDAY, COMPONENT, IHOURL, STATION,
+ (MINDAT(I), I=1,60), MEAN ! Mean is an hourly mean

10 FORMAT(12X, 3I2, A1, I2, A3, 10X, 60I6, I6)

Note:

No Data for FRESNO for June 4 1983 0500-1000 UT

* Missing Data Flag = 99999 *

US Current Levels

Jan 6th also noted

March 27th also noted

June 4th also noted

Station	Jan 6 th also noted				March 27 th also noted				June 4 th also noted			
	D	F	H	Z	D	F	H	Z	D	F	H	Z
DLR	5199	49674	26197	42203	5193	49668	26189	42202	5184		26204	42192
	2/2											
TUC	7188	49924	25563	42829	7181	49913	25556	42819	7181	49911	25573	4280
3OU	7203	55325	21319	51003	7189	55295	21318	50998	7181	55286	21339	5097
3RW	15489	57193	9718	56383	15492	57205	9736	56386	15442	57192	9748	56372
5JG	-5992	41047	27259	30647					-6019	41029	27270	30613
	2/2											
lew	11955	57378	18179	54418	11953	57368	18188	54408	11933	57356	18205	54390
	1/7					calculated				calculated		
5AN	9264	50816	24161	44703	9260	50809	24164	44714	9247	50801	24169	4467
	2/2				3/8		3/8		6/25			
SUA	1138	36657	35857	7197	1151	36654	35839	7200	1151	36671	35856	7202

calculated $F = \sqrt{H^2 + Z^2}$

91 7191 7191 7191 7191 7191 7191 7191 7191 7191 7191 7191 7191 7191 7191 7191
7191 7191 7190 7190 7190 7190 7190 7190 7191 7191 7191 7191 7191 7191 7191 7191 71
91 7191057800249200830128006TJCS 7191 7191 7191 7191 7192 7191 7191 7191 7191 7
191 7191 7191 7191 7191 7191 7191 7192 7191 7191 7191 7191 7191 7191 7191 7191
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192 7192 7193 7193 7193 7193 7193 7193 7193 7193 7194 7194 7193 7193 7193 7193 7193
7193 7192057800249200830128007TJCS 7193 7193 7194 7194 7195 7194 7194 7194 719
4 7194 7194 7194 7194 7194 7194 7194 7195 7195 7194 7194 7194 7195 7195 7194 7194
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6 7196 7198 7197 7198 7198 7198 7198 7198 7198 7199 7200 7201 7201 7201 7201 7201 7202
7202 7200 7196057800249200830128008TJCS 7201 7202 7201 7202 7202 7201 7200 7200
7199 7199 7198 7198 7197 7197 7196 7196 7195 7194 7193 7192 7192 7191 7190 7190 71
91 7190 7190 7190 7191 7190 7190 7190 7190 7191 7191 7192 7192 7193 7193 7193 7194 7195
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94 7194 7193 7193 7194057800249200830128009TJCS 7193 7193 7192 7192 7193 7192 7192 7
191 7192 7192 7192 7192 7191 7191 7191 7191 7192 7191 7191 7191 7191 7191 7191 7191
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7188 7188 7187 7190057800249200830128010TJCS 7187 7187 7187 7187 7188 7187 718
7 7187 7187 7187 7187 7187 7187 7187 7185 7186 7187 7186 7186 7186 7186 7186 7185
7185 7185 7185 7186 7186 7186 7186 7185 7185 7185 7185 7185 7185 7185 7185 7185 718
5 7185 7185 7185 7185 7185 7185 7185 7185 7185 7186 7185 7185 7186 7186 7186 7186
7186 7186 7186 7186 7186057800249200830128011TJCS 7185 7185 7185 7185 7187 7187
7186 7185 7185 7185 7185 7185 7186 7186 7186 7186 7186 7186 7186 7186 7186
89 7189 7190 7189 7190 7190 7190 7190 7189 7189 7189 7189 7189 7189 7189 7188
7189 7189 7188 7188 7188 7188 7188 7188 7187 7187 7187 7187 7187 7187 7187 71
87 7187 7187 7187 7187 7187 7188057800249200830128012TJCS 49928 49928 49928 49928 49928 49
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927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927
49927 49927 49926 49927 49925 49928057800249200830128013TJCS 49927 49927 49927 49927 4992
7 49927 49927 49927 49927 49927 49927 49927 49925 49927 49927 49927 49927 49927 49927 4
9927 49927 49927 49926 49927 49926 49927 49927 49927 49927 49927 49927 49927 49927 49927 4
7 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 4
9927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927
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927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927 49927
49926 49925 49925 49925 49925 49925 49924 49924 49924 49924 49924 49924 49924 49924 49924 49924
923 49923 49923 49924 49924 49924 49924 49925 49924 49926 49925 49925 49926 49925 49925 49925 49925
49925 49925 49925 49925 49925 49925 49925 49925 49925

TAPE NO. 1 FILE NO. 3
RECORD 1 LENGTH 4800
049900254800830128004BOUG 7204 7204 7204 7204 7204 7205 7205 7205 7205 7204 720
4 7205 7205 7205 7204 7205 7205 7205 7205 7205 7205 7205 7204 7204 7204 7204 7204
7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204
4 7204 7204 7204 7204 7204 7203 7203 7203 7203 7204 7204 7204 7204 7204 7204 7204
7204049900254800830128005BOUG 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204
7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 72
04 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204
7204 7204 7204 7203 7203 7203 7203 7204 7204 7204 7204 7204 7204 7204 7204 7204 72
04 7203049900254800830128006BOUG 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7
204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204
7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7204 7205 7205 7205 7205 7206 7
206 7206 7206 7206 7206 7206 7206 7206 7206 7207 7207 7207 7207 7207 7207 7207 7207
7206 7204049900254800830128007BOUG 7207 7208 7208 7208 7208 7208 7208 7208 7208 7208 7208
8 7208 7208 7208 7209 7209 7209 7209 7209 7209 7209 7209 7209 7209 7208 7208 7208
7208 7208 7208 7207 7207 7207 7208 7208 7208 7208 7207 7207 7207 7208 7211 7211 721
2 7216 7214 7214 7218 7217 7217 7216 7218 7220 7221 7222 7223 7224 7224 7224 7225
7223 7223 7211049900254800830128008BOUG 7224 7223 7224 7222 7221 7220 7219 7217
7217 7216 7215 7213 7213 7212 7210 7208 7207 7205 7204 7203 7201 7200 7200 7201 72

10 7210 7209 7209049900254800830128009BOUG 7208 7208 7207 72077206 7206 7206 7
205 7205 7205 7205 7205 7205 7205 7205 7205 7204 7204 7204 7204 7204 7204 7204 7204
7204 7204 7204 7204 7204 7204 7204 7203 7203 7203 7204 7204 7204 7204 7204 7204 7
203 7202 7202 7201 7201 7201 7201 7201 7201 7201 7200 7200 7200 7200 7200 7200 7200
7200 7200 7199 7203049900254800830128010BOUG 7199 7199 7199 7199 7199 7198 719
9 7198 7199 7199 7199 7199 7199 7198 7198 7198 7198 7198 7197 7197 7197 7197 7197 7197
7197 7197 7197 7197 7197 7197 7197 7197 7197 7197 7197 7197 7197 7197 7197 7197 719
7 7197 7197 7197 7197 7197 7197 7198 7198 7198 7198 7198 7199 7199 7199 7199 7198 7198
7198 7198 7198 7198 7197049900254800830128011BOUG 7199 7199 7199 7199 7200 7200
7200 7200 7200 7200 7199 7199 7199 7199 7199 7199 7200 7201 7201 7202 7203 7204 72
05 7205 7205 7205 7205 7205 7205 7205 7205 7205 7204 7204 7204 7204 7204 7203 7203
7203 7202 7202 7202 7202 7202 7202 7201 7201 7201 7200 7200 7200 7200 7201 7201 72
01 7201 7201 7201 7201 7201 7201049900254800830128043BOUG 55311 55311 55311 55311 55311 55
311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311
55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55311 55310 55310 55310 55
310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310
55310 55310 55310 55310 55310 55310 553100499002548008301280530JG 55310 55310 55310 55310 55310
0 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 5
5310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 5531
0 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 5
5310 55310 55310 55310 55310 55310 553100499002548008301280630JG 55310 55310 55310 55310
55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 553
10 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310
55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 553
10 55310 55310 55310 55310 55311 55311 553100499002548008301280730JG 55310 55310 55310 55
310 55311 55311 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310 55310
55310 55310 55310 55309 55309 55309 55309 55309 55309 55309 55309 55309 55309 55309 55308 55308 55
308 55308 55308 55308 55309 55309 55310 55310 55310 55310 55310 55311 55310 55310 55310 55310 55310
55310 55310 55310 55311 55310 55311 55310 55309

TAPE NO. 1 FILE NO. 4
RECORD 1 LENGTH 4800
018700203400830128004BRWG 15451 15451 15452 15463 15450 15458 15458 15462 15466 15467 1546
7 15457 15467 15457 15458 15457 15466 15466 15464 15464 15466 15466 15465 15464 15466 15468 15471 1
5472 15468 15463 15462 15465 15469 15469 15469 15468 15469 15469 15470 15473 15474 15473 15471 1547
2 15472 15472 15472 15471 15472 15472 15473 15474 15471 15470 15467 15468 15466 15468 15469 15469 1
5467018700203400830128005BRWG 15457 15458 15467 15459 15470 15470 15468 15467 15455 15455
15456 15458 15469 15470 15471 15469 15468 15466 15464 15466 15469 15468 15463 15460 15461 15464 154
68 15472 15476 15476 15473 15473 15472 15471 15472 15473 15475 15475 15475 15473 15470 15468 15464 15463
15465 15467 15468 15470 15470 15467 15465 15463 15461 15461 15465 15468 15470 15470 15471 15470 154
56 15468018700203400830128006BRWG 15463 15462 15459 15458 15464 15470 15469 15464 15463 15
463 15472 15479 15485 15485 15484 15478 15471 15465 15460 15462 15469 15474 15472 15469 15467 15464
15465 15473 15477 15482 15485 15481 15473 15469 15466 15467 15468 15466 15462 15460 15461 15464 15
468 15473 15472 15469 15463 15461 15456 15450 15456 15464 15464 15450 15433 15423 15423 15426 15427
15435 15453018700203400830128007BRWG 15446 15448 15435 15427 15428 15429 15420 15419 1540
3 15391 15405 15410 15415 15422 15427 15425 15421 15413 15407 15424 15443 15448 15454 15452 15451 1
5451 15453 15456 15443 15428 15419 15423 15432 15434 15439 15443 15446 15445 15446 15448 15453 1545
1 15445 15449 15455 15460 15446 15456 15462 15454 15449 15449 15455 15458 15461 15451 15433 15390 1
5344 15322 15433018700203400830128008BRWG 15314 15304 15276 15297 15365 15380 15402 15441
15435 15289 15167 15265 15239 15299 15502 15684 15714 15562 15336 15042 14852 14930 15250 15475 155
22 15621 15722 15776 15771 15786 15820 15751 15687 15609 15616 15567 15505 15529 15459 15428 15538
15607 15541 15505 15516 15488 15412 15350 15325 15285 15248 15220 15225 15232 15275 15296 15334 153
39 15455 15535 15429018700203400830128009BRWG 15524 15493 15461 15390 15348 15369 15406 15
418 15451 15465 15473 15449 15422 15393 15394 15421 15466 15495 15518 15530 15532 15542 15564 15573
15559 15552 15517 15497 15506 15498 15509 15519 15509 15523 15559 15594 15609 15602 15587 15547 15
521 15516 15511 15540 15588 15608 15608 15575 15533 15509 15472 15420 15387 15399 15452 15529 15578
15603 15595 15569 15505018700203400830128010BRWG 15544 15528 15525 15530 15531 15543 1555
3 15543 15526 15515 15504 15505 15511 15523 15535 15535 15538 15537 15533 15524 15516 15519 15522 1
5524 15519 15507 15483 15476 15488 15486 15499 15509 15505 15507 15513 15508 15506 15506 15510 1551
3 15514 15513 15504 15493 15490 15489 15488 15488 15488 15490 15493 15493 15495 15499 15501 15493 15493 1
5489 15488 15489 15492 15509018700203400830128011BRWG 15497 15499 15497 15495 15494 15497
15497 15494 15491 15487 15486 15484 15482 15481 15483 15481 15480 15477 15471 15462 15455 15454 154
53 15451 15448 15443 15444 15447 15455 15454 15472 15477 15481 15480 15471 15460 15462 15462 15467 15476
15487 15494 15493 15490 15487 15485 15484 15482 15478 15476 15472 15469 15467 15468 15468 15469 154

GG - 71B

SYOWA STATION CORRELATION DATA

This data set consists of one 9 track, multifiled, binary magnetic tape written at 6250 BPI. Each file contains 1 day of data. Each physical record contains one 34 byte group, containing time followed by six hundred, 34 byte groups, which contain data for each second of 600 second data.

D - 74457

C - 26200

FILE 1	JANUARY 28, 1983
2	MARCH 25, 1983
3	MARCH 26, 1983
4	JANUARY 29, 1983
5	JUNE 4, 1983
6	JUNE 27, 1983
7	JUNE 28, 1983

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-71B

DATE DATA RECEIVED: 1/20/87

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <i>1 mag tape</i>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: SYOWA STATION CORRELATION DATA

CONTACT: _____ ACQUISITION SCIENTIST: ~~JKR~~ HKH

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: D-74457 C-26200

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

[Signature]
DATA TECHNICIAN

the com-

ensity
field
field

the compiled

tes)
ytes)
tes)
tes)
ytes)

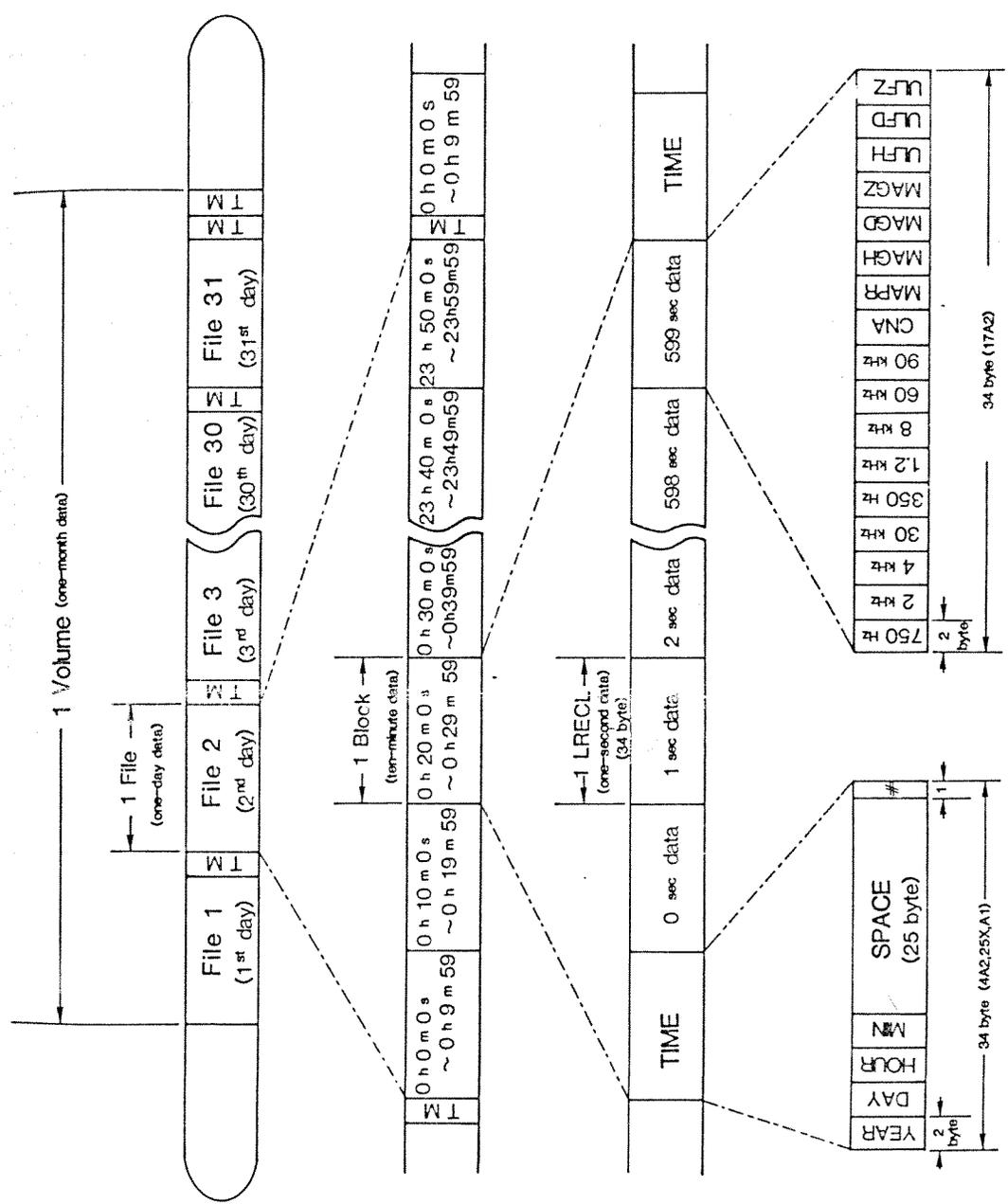


Fig. 2. The structure of the compiled digital tape format.

h sampling
 H component
 respectively.
 lsations are
 by using FFT
 examples of
 ge of DC - 1
 al. (1985).
 ctromagnetic
 ine sources.
 tion and the
 mote station
 t from Syowa
 mote station
 a (10 m in
 n amplifier.
 and 40 dB,
 he telemetry
 0.35, 0.75,
 by 9-channel
 n is 10^{-17} -
 z - 100 kHz.
 led on audio
 dio tape is

Table 3. The recording period of ULF magnetic pulsation
 signals recorded on long term FM data
 recorder(R-950L). The frequency response of this
 recorder is DC-10Hz.

Tape Number	Start Time			Stop Time		
	Month	Day	Time(UT)	Month	Day	Time(UT)
R 950L						
83 - 1	2	2		2	18	2047
2		18	2144	3	11	1442
3	3	11	1449		27	1437
4	3	27	1449	4	13	1655
5	4	13	1716	5	1	1929
6	5	10	2003		22	1121
7		22	1610	6	7	1428
8	6	7	1500		23	1100
9		23	1135	7	9	1631
10	7	9	1705		26	0810
11		26	0845	8	12	1020
12	8	12	1050		28	1325
13		28	1355	9	15	0702
14	9	15	0735	10	4	1405
15	10	4	1610		20	0600
16		20	0645	11	4	1700
17	11	4	1700		20	1725
18		20	1751	12	7	0410
19	12	7	0443		23	1618
20		23	1646	1	9	1738
84 - 1	1	9	1748		25	2033
R 950A						
83 - 1	4	1		5	9	
2	5	10		6	19	
3	6	20		7	30	
4	7	31		9	5	
5	9	10		10	9	

ZKIL
X-1216
CN 81

2

DATE 11/3/82
NSSDC ID GE-11A

CDAW DATA SET ENTRY

DATE RECEIVED: 10/15/82 CDB: 6

DATA SENT BY: R. Pellinen

MATERIAL RECEIVED: 1 mag tape ; 1-page letter ; 2-page data description ; 1-pg tape description ; 2-page sample plate

SATELLITE/NSDF NAME: Ground-Based

DATA SET NAME: 630-nm Photometer Data at Kilpisjärvi

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: 205 ~~5~~ min resolution

TIME COVERAGE: 79/090/00/00 - 79/091/23/56

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague

FINNISH METEOROLOGICAL INSTITUTE

Helsinki 1982-10-12

No 1092/geo/82

Dr. James I. Vette, Director
WDC-A for Rockets and Satellites
Goddard Space Flight Center
Code 601
GREENBELT, MARYLAND 20771
USA

Dear Jim,

- + Enclosed⁺ I send you a copy of the 630.0 nm photometer data that proved to be of great interest for the people involved in 31 Mar 1979 analysis. Enclosed
- + are also some instructions of further data treatment + printouts from the start and the end of the tape.
- + I also enclosed some graphs plotted from the tape (with pulse counting rates and with absolute intensity scale).

Greetings,



Risto Pellinen

In reply refer to the case and the number indicated above.

+ The tape has been shipped in a separate envelope.

REDUCTION OF KILPISJÄRVI PHOTOMETER DATA

1) Dark current determination

- a) Determine a dark signal for channel A at time T_1 denoted ADP1, normally at the beginning of the run.
- b) Determine ADP2, the dark value at the end of the night.
- c) Let ADP be the dark signal at time T during the run, determined as a function of time by

$$ADP = ADP1 + (ADP2 - ADP1) (1 - \exp((T_1 - T)/7000))$$

where T, T_1 are in seconds and we have used a thermal time constant of 7000 seconds.

- d) Similarly determine BDP, the dark level for B channel as a function of time.
- e) In the above, P denotes that the levels are in pulses, 0-999 as written on the tape.

2) Dark current correction

The dark current corrected values are given by:

$$\begin{aligned} AP &= ASP - ADP & \text{and} \\ BP &= BSP - BDP \end{aligned}$$

where ASP, BSP are the signal values on the tape.

3) Conversion to volts

The above values are converted to volts using

$$\begin{aligned} AV &= 1.241 \times 10^{-2} AP \\ BV &= 1.245 \times 10^{-2} BP \end{aligned}$$

4) The final geophysical data are given by

$$\begin{aligned} B &= 306 (AV - 1.06 BV) \\ b &= 1.12 (21.43 BV - AV) \end{aligned}$$

where $B = 6300 \text{ \AA}$ emission rate in rayleighs and
 $b =$ background intensity in R/Å

5) Steps 3) & 4) can be combined to give (directly from 2))

$$\begin{aligned} B &= 3.797 AP - 4.038 BP & \text{plot at 250 R/cm} \\ b &= 0.2988 BP - 0.0139 AP & \text{plot at 20 R/Å/cm} \end{aligned}$$

630,0 nm photometer data from magnetic zenith of
Kilpisjärvi (69.052°N, 20.787°). Opening angle 7.5 deg.

Dark current in pulses if $x = 1$
Grey filter in use if $f = 1$ (newer used)
Glass plate on photometer if $g = 1$ (Correct values then
 $\sim 1,05 x$)

630.0 nm filter with 1.3 nm half width.
Integration time 20 s. The times (in UT) in the record
are end times of A_{15} and B_{15} . So A_1 and B_1 are 5 min...
4 min 40 s earlier, A_2 and B_2 4 min 40 s ... 4 min 20 s
earlier and so on.
Channels A and B measured simultaneously.

A_i :s are pulses in auroral channel = A
 B_i :s are pulses in background channel = B

Auroral emission is 3.797 AP - 4.038 BP in R
Background emission is 0,2988 BP - 0.0139 AP in R/Å
where AP = A - 50 and BP = B - 122
and 50, 122 are general dark current pulse values

CODE = ASCII, RRI = 1600, ONE RECORD = 20 CHARACTERS
 ONE BLOCK = 40 RECORDS

NUMBER OF RECORD	YEAR	DAY	HOUR	MIN	SEC	SECD	G	F	X	A1	B1	A2	B2	A3	B3	A4	B4	A5	B5	A6	B6	A7	B7	A8	B8	A9	B9
720456	79	90	12	01	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
1	79	90	0	0	0	0	0999	135	146	137	146	136	147	136	149	139	148	139	147	138	146	134	145	132	146		
1								132	147	132	147	130	148	131	147	131	145	130	144								
2	79	90	0	5	0	0	0999	128	144	129	144	130	144	130	145	130	145	130	144	129	144	129	144	128	143		
2								127	142	125	142	124	142	123	143	126	143	128	143								
3	79	90	0	10	0	0	0999	129	143	130	143	133	144	137	144	142	144	148	146	154	148	158	148	161	148		
3								166	150	172	151	179	152	182	152	179	153	174	155								
4	79	90	0	15	0	0	0999	178	155	179	155	181	153	184	152	184	151	178	150	174	150	174	150	174	151		
4								177	150	176	151	179	150	179	150	177	150	177	151								
5	79	90	0	20	0	0	0999	179	150	179	150	178	150	179	150	178	150	177	151	173	150	173	149	171	149		
5								171	151	173	150	169	149	165	149	164	150	161	149								
6	79	90	0	25	0	0	0999	161	148	160	149	159	149	160	148	160	147	158	146	154	147	154	148	154	148		
6								153	148	154	148	154	148	151	147	150	147	149	146								
7	79	90	0	30	0	0	0999	145	146	144	147	145	147	144	147	145	146	143	145	142	145	141	145	142	146		
7								141	146	142	146	142	145	142	144	140	144	138	144								
8	79	90	0	35	0	0	0999	137	145	137	145	137	144	136	143	134	143	131	144	130	145	131	145	132	144		
8								135	143	134	143	134	143	134	145	134	144	135	143								
9	79	90	0	40	0	0	0999	134	143	133	143	131	144	132	144	131	143	130	142	130	143	130	143	132	143		
9								132	144	133	143	134	142	137	141	136	141	136	141								
10	79	90	0	45	0	0	0999	136	141	140	140	141	140	142	140	142	139	141	140	140	140	141	140	140	141		
10								141	139	140	140	139	140	139	139	141	139	139	140								

WRITE (2,700) NR, YEAR, DAY, HOUR, MIN, SEC, SECD, G, F, X, (A(I), B(I), I = 1, 9),
 NR, (A(I), B(I), I = 10, 19)

700 FORMAT (I6, 4X, I2, I2, 4I2, 2I7, 9(2I3) / I6, 20X, 6(2I3), 18X)

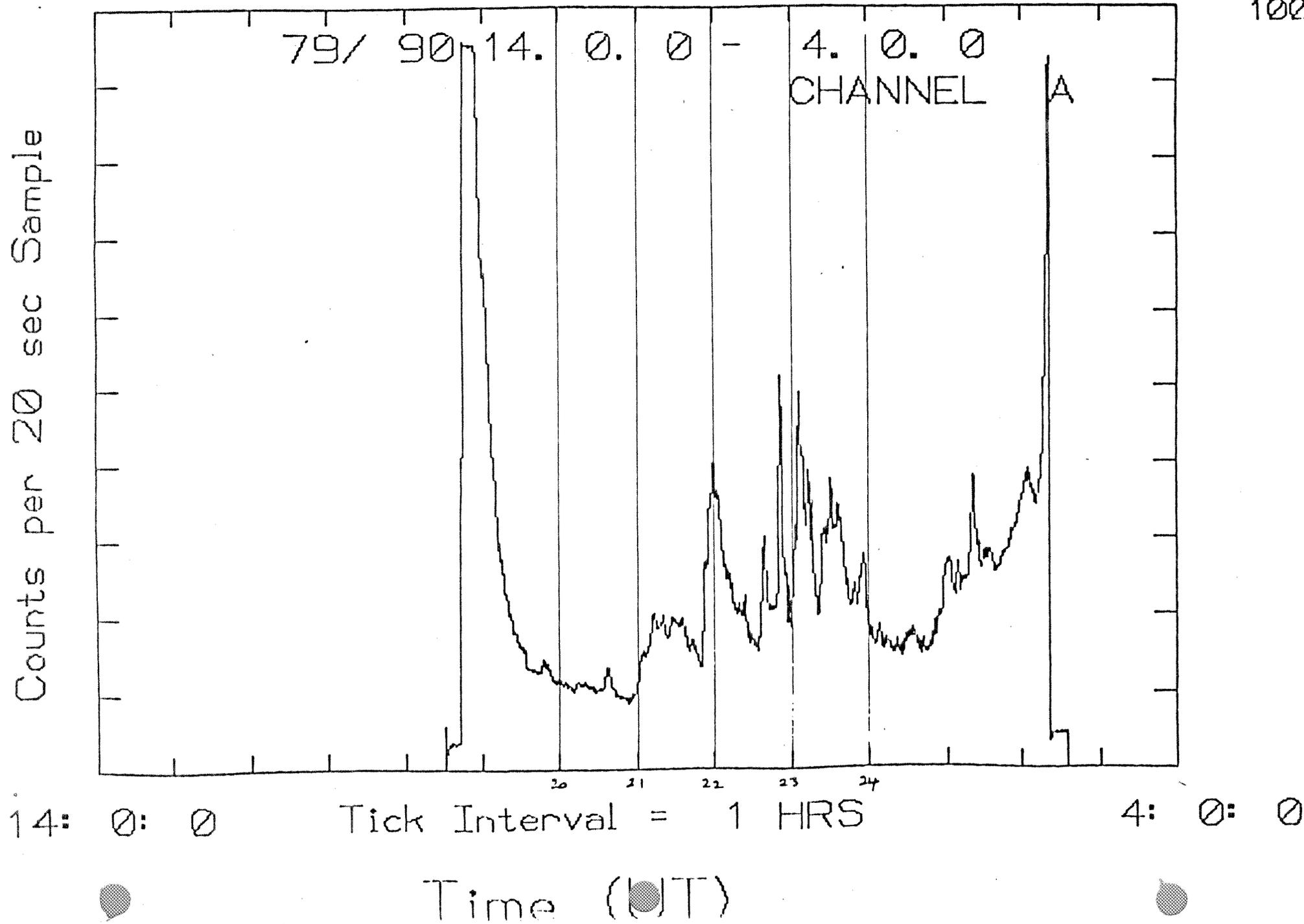
(IN OUR FILE WE HAD 199 RECORDS - TO MAKE THE CONVERSION EASIER WE DIVIDED EACH RECORD INTO TWO 20 CHARACTERS LONG RECORDS)

193	79	912326	0	0999	163	123	164	124	163	124	162	124	163	124	165	125	165	124	161	124	163	124					
193					168	124	172	124	170	124	169	124	170	124	170	124											
194	79	912331	0	0999	165	122	174	124	182	125	183	126	182	125	185	125	195	126	197	126	200	126					
194					201	126	197	126	195	126	190	126	182	126	181	126											
195	79	912336	0	0999	180	126	179	124	180	125	183	125	185	126	183	126	175	126	173	127	173	126					
195					171	126	171	126	173	126	177	127	175	127	175	125											
196	79	912341	0	0999	176	127	183	128	191	129	185	128	174	127	176	127	182	127	187	128	189	129					
196					187	128	183	129	183	129	184	128	185	127	187	129											
197	79	912346	0	0999	183	127	181	127	178	126	177	127	177	126	173	125	170	124	171	125	176	126					
197					177	127	176	126	173	125	170	125	167	124	163	123											
198	79	912351	0	0999	165	123	167	124	165	124	163	123	165	123	171	125	167	124	164	124	161	122					
198					159	122	157	122	159	122	160	123	159	123	157	122											
199	79	912356	0	0999	155	121	155	121	154	121	152	121	150	122	153	123	158	125	158	125	154	124					
199					148	121	147	122	149	122	150	122	148	122	148	122											

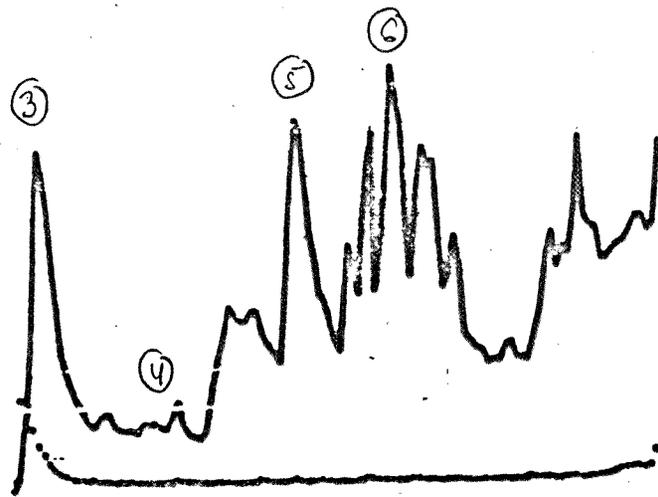
END OF TAPE

KILPISJARVI 6300 A PHOTOMETER DATA

100



OSO 8 EMISSION RATE AT KILPISJARVI, FINLAND



16

20

24

04

08

12

2- 1979

HOURS U.T.

B=3.787 RP - 4.033 EP
A=0.0000 EP - 0.0130 EP

YEAR= 10
DAY=01

INPUT PARAMETERS ARE: AS FL=1=1

A-54212
3/30/79 - 4/1/79

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 3200

1 79 90 0 0 0 0999135146137146136147136149139148139147138146134145132146 1
132147132147139148131147131145130144 2 79 90 0 5 0 0999128144129144
130144130145130145130144129144129144128143 2 1271421251421241421231431261431
28143 3 79 90 0 10 0 099912914313014313314413714414214414814615414815814816
1148 3 166150172151179152182152179153174155 4 79 90
015 0 0999178155179155181153184152184151178150174150174150174151 4 17715017
6151179150179150177150177151 5 79 90 0 20 0 0999179150179150178150179150178
150177151173150173149171149 5 171151173150169149165149164150161149
6 79 90 0 25 0 0999161148160149159149160148160147158146154147154148154148 6
153148154148154148151147150147149146 7 79 90 0 30 0 09991451
46144147145147144147145146143145142145141145142146 7 14114614214614214514214
4140144138144 8 79 90 0 35 0 0999137145137145137144136143134143131144130145
131145132144 8 135143134143134143134145134144135143 9
79 90 0 40 0 0999134143133143131144132144131143130142130143130143132143 9
132144133143134142137141136141136141 10 79 90 0 45 0 09991361411401401411401
42140142139141140140140141140141 10 141139140140139140139139141139139140
11 79 90 0 50 0 0999136141134143135142136140135138133138131139130140132139
11 130140125142125142127141128143128143 12 79 90 0 55 0
0999127142127143127144126144125143124143124143123143122142 12 122143123143123
144123144122145124145 13 79 90 0 1 0 0 09991231431211431181431161451151461161
47117146116145115145 13 116146116146115146114145113145112144
14 79 90 0 1 5 0 0999112144112146113146113145112144111144111146111145111147 14
112149114151114151112146111144108144 15 79 90 0 110 0 099910614510814
9109148108148108147109146109149110151112152 15 110150107149106147106147106148
106148 16 79 90 0 115 0 09991061481041481051481051491041491031481031491051501
05149 16 104149103149103149104149103149104150 17 79 90
0 120 0 0999103149103150102150103149102150102150103150104150104150 17 1031491
03149103148104148104149104148 18 79 90 0 130 0 099910714910815011014911014910
9150109150110150109150110150 18 110150111150111150112150112150112149
19 79 90 0 135 0 0999112149111148112150113149114149114150115150117150118152 19
119152119152119152118152119152121153 20 79 90 0 140 0 0999118
151120152121152122152121153122154123154124155125157 20 1261581241551251541241
53125154126154

TAPE NO. 1 FILE NO. 1
RECORD 10 LENGTH 3040

181 79 912226 0 0999209127210127209126206125202125204125202125195125199125 181
206126208126212127215128218128218128 182 79 912231 0 0999219129222130
224130227130253130238128231128238129234129 182 2351282341252181242161242121241
98121 183 79 912236 0 099918512118712118812218712218712218612218412218312218
0121 183 177121175121176123176123176122175122 184 79 91
2241 0 0999169121164121168122171122167122165121160120158121162122 184 16112115
6121154120154121153122151121 185 79 912246 0 0999149120151121155121155122156
122156121155121154121156122 185 157123159122158123159123161123157122
186 79 912251 0 0999153120152121152121150120148120150120153121155122159122 186
163122165122168122168122170123168122 187 79 912256 0 09991611
21158120160121168122173123172123165121159120160121 187 15812015011915111915611
9157120155120 188 79 9123 1 0 0999158121167123171124174124169124168124174125
176124174123 188 171122169122171122181124187125184124 189
79 9123 6 0 0999179122178123174123174123177122170122166122165120170120 189
176122173122175123178123174123168122 190 79 912311 0 09991641211581211541211
55120155121156121157121156121154121 190 150120151120152120149120149121150121
191 79 912316 0 0999153121155121158121162121169122177123179123183123183122
191 181123178123173123166123160121154121 192 79 912321 0
0999156120164122165123162122158121160122162122157122162123 192 168124169124164
124163123162124163124 193 79 912326 0 09991631231641241631241621241631241651
25165124161124163124 193 168124172124170124169124170124170124
194 79 912331 0 0999165122174124182125183126182125185125195126197126200126 194
201126197126195126190126182126181126 195 79 912336 0 099918012617912

170 17712071 0 077717012/1001201711271001201/412/1/612/10212/10/1201
89129 196 187128183129183129184128185127187129 197 79 9
12346 0 0999183127181127178126177127177126173125170124171125176126 197 1771271
76126173125170125167124163123 198 79 912351 0 099916512316712416512416312316
5123171125167124164124161122 198 159122157122159122160123159123157122
199 79 912356 0 0999155121155121154121152121150122153123158125158125154124 199
148121147122149122150122148122148122

***** JOB DONE.
\$WEO LPS

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-20A

BRAUNSCHWEIG MAGNETIC OBSERVATORY CHAIN

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, ASCII with 2 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-48297	C-22398	3/22/79, 3/31/79, 4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-20A

DATE DATA RECEIVED: 5/29/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>1 mag tape</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: BRUNSWIG MAGNETIC RESONANCE CHAIN

EXPERIMENT NAME: _____

DATA SET FULL NAME: BRUNSWIG CHAIN, 1 MIN, 20AW Co

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: D-48217 C-22398

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

[Signature]

DATA TECHNICIAN

Data Set Mnemonic: ZBR

Date 5/24/82
NSSDC ID 69-20A

CDAW DATA SET ENTRY

Date Rcvd : 5/24/82 CDB: 6

Data Sent By : (maybe McPherson) Baumjohann

Material Rcvd : 1 tape
+ 2 pg tape format description
+ dumps

satellite/NSRF Name: Braunschweig Magnetic
Observatory Chain

Data Set Name: Braunschweig Chain, 1 MIN, CDAW 6

New Data Set Additions Replacements
Comments _____

Time Coverage : March 22, 1979 0-24 h; Mar. 30, 1979 0h -
April 1, 1979 6h

Tapes To be Returned to: _____

Completed By: Ellen Teague

CDAW-6 DATA TAPE

SSC 605

This tape contains two files of data for the CDAW-6 data base. The files contain three axes of magnetic field data for the six stations in the Braunschweig Magnetic Observatory Chain.

The data in each file is as follows:

1. March 22, 1979 0000 - 2400; one minute resolution
2. March 31, 1979 0000 - April 01, 1979 0600; one minute resolution

Tape Characteristics:

9 track

1600 bpi

ASC II character data format

File Characteristics:

80 byte logical record size

3200 byte physical block size

Format of Data Records:

Four consecutive 80 byte records are required to describe all the data for a single data point.

Each four-record set has the following format:

Record one

I3 - last two digits of year

I3 - day of year

1x

I2 - hour of day

I2 - minute of hour

lx -

F4.1 - second of minute

Record two

F12.2 - Kuss X

F12.2 - Kuss Y

F12.2 - Kuss Z

F12.2 - Mart X

F12.2 - Mart Y

F12.2 - Mart Z

Record three

F12.2 - Ival X

F12.2 - Ival Y

F12.2 - Ival Z

F12.2 - Kevo X

F12.2 - Kevo X

F12.2 - Kevo X

Record four

F12.2 - Kune X

F12.2 - Kune Y

F12.2 - Kune Z

F12.2 - Skar X

F12.2 - Skar Y

F12.2 - Skar Z

\$JOB 11:33:17
\$ASS IN MT1
\$NOP ***** ASCII LIST OF X-403 *****
\$EXE TPLIST BS

D-48297
3/22/79 - 4/1/

INPUT PARAMETERS ARE: AS SR=1=1 2

TAPE NO.	1	FILE NO.	1
RECORD	1	LENGTH	3200
79 81	0 0	0.0	
54.56	50613.37	12015.36	237.20
11219.82	84.10	51919.50	11182.88
.80	51764.92		
79 81	0 1	0.0	
-254.55	50613.12	12015.04	237.22
99 11219.11	84.03	51918.58	11182.28
-231.85	51765.12		
79 81	0 2	0.0	
4	-254.25	50613.37	12014.53
999.99 11218.64	84.30	51918.66	11181.98
-232.45	51765.69		
79 81	0 3	0.0	
50.86	-253.07	50613.62	12014.16
9999.99 11218.95	84.97	51919.31	11182.03
.40	-231.72	51765.44	
79 81	0 4	0.0	
12650.43	-252.47	50613.46	12014.24
99 9999.99 11218.96	85.88	51919.33	11182.23
0891.73	-231.53	51765.60	
79 81	0 5	0.0	
12649.89	-252.92	50613.71	12013.36
999.99 9999.99 11218.23	85.70	51919.87	11181.54
10891.56	-230.57	51766.10	
79 81	0 6	0.0	
12649.64	-252.97	50613.29	12012.86
9999.99 9999.99 11217.37	85.62	51919.71	11180.91
.76	10890.48	-230.48	51766.94
79 81	0 7	0.0	
12649.41	-252.30	50613.71	12012.54
99 9999.99 9999.99 11217.11	86.42	51920.02	11180.91
2272.18	10890.01	-230.45	51767.49

TAPE NO.	1	FILE NO.	2
RECORD	1	LENGTH	3200
79 90	0 0	0.0	
99 9999.99 9999.99 9999.99	9999.99	9999.99	9999.99
9999.99 9999.99 9999.99	9999.99	9999.99	10844.50
.62	51923.39		
79 90	0 1	0.0	
9999.99 9999.99 9999.99	9999.99	9999.99	9999.99
99 9999.99 9999.99 9999.99	9999.99	9999.99	9999.99
-199.50	51914.56		
79 90	0 2	0.0	
9 9999.99 9999.99 9999.99	9999.99	9999.99	9999.99
999.99 9999.99 9999.99	9999.99	9999.99	9999.99
-199.33	51923.56		
79 90	0 3	0.0	
99.99 9999.99 9999.99	9999.99	9999.99	9999.99
9999.99 9999.99 9999.99	9999.99	9999.99	9999.99
.26	-198.07	51916.23	
79 90	0 4	0.0	
9999.99 9999.99 9999.99	9999.99	9999.99	9999.99

0000.70 -178.60 01710.00

9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9
999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99
10847.85 -193.55 51928.24

79 90 0 6 0.0

9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99
9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99
.99 10829.41 -186.62 51983.50

79 90 0 7 0.0

9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99
99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99 9999.99
9999.99 10810.31 -190.88 51999.35

***** JOB DONE.
\$WEO LPS

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-24C/81C

ALBERTA MAGNETOMETER / RIOMETER

This data set consists of 2 tape(s). The tape(s) is 9 track, 1600 bpi, EBCDIC with multi-filed data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-45294	C- 21533	3/22/79, 3/31/79, 4/1/79
D-63405	C-24061	04/24/79 - 05/11/80

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 4301 DATE DATA RECEIVED: 4/30/74
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>1 Mag Tape</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: ALPHA TH ANGLE METER / Pioneer 10

EXPERIMENT NAME: _____

DATA SET FULL NAME: Alpha Angle Meter / Pioneer 10

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: D

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DU 43294 C-21533

REMARKS:

CDAW

DATA RECEIPT NOTIFICATION SENT? John Maras
DATA TECHNICIAN



National Aeronautics and
Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

6/22/81
66-244/81C
CDB 6

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name <i>U. ALTA. MAG. RIO - CDAW</i>		
2. Scientific Contact <i>DR. GORDON ROSTOKER</i>		3. Telephone No. or Telex No. <i>(403) 432-5592</i>
4. Address <i>DEPARTMENT OF PHYSICS UNIVERSITY OF ALBERTA</i>		
5. City <i>EDMONTON</i>	6. State <i>ALBERTA T6G 2E1</i>	7. ZIP Code or Country <i>CANADA</i>
8. Programmer Contact <i>KAREN APPS (403) 432-3713</i>		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted <i>1 (unlabelled)</i>		2. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi	
3. No. of Files (per tape) <i>3</i>			
4. No. of End of File Marks <i>at least 4 (one at end of each file, two at end of tape)</i>		5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9	
6. Recording Parity <i>ODD</i>		7. Make and Model of Computer Used to Generate Tape <i>AMDAHL 470V/7</i>	
8. Are tapes written in binary, coded or both? (e.g. BCD) <i>EBCDIC</i>			
9. What floating point representation is used? (e.g. CDC 64 bit) <i>IBM 32 bit</i>			
10. What integer representation is used? <i>IBM 32 bit</i>			
11. No. of Physical Records (per file) <i>#1 336 #2 504 #3 288</i>			
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input type="checkbox"/> No			
13. Start and Stop Time of Each File (If more space is needed, please attach.) <i>#1 DAY 81 1979 6:00 - 20:00 UT #2 DAY 90 1979 12:00 - DAY 91 1979 6:00 UT #3 DAY 93 1979 0:00 - 12:00 UT</i>			

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

CDB No. _____

Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

Tape parameters: 9 track
1600 bpi
unlabelled
fixed length blocked (OS/360 format FB)
7320 bytes/block
120 bytes/record (all records padded to 120 bytes)
61 records/block
5 see data manual

COB 6
6/22/81
SS-24C/81C

Each block consists of header record and one hour of data of one component from one station.

HEADER RECORD: NST, NCOMP, IYR, IDY, IHR, IMIN, SEC, RINT, IPTS

FORMAT: (A4, A1, 4I8, 2F7.2, I8)

NST - station name PROV - Ft. Providence
HAYR - Hay River
SMIT - Ft. Smith
URAN - Uranium City
LEDU - Leduc
MCMU - Ft. McMurray
FTCH - Ft. Chipewyan

NCOMP - component H
D
Z

IYR - year Start time of block

IDY - day

IHR - hour

IMIN - minute

SEC - second

RINT - sample interval

IPTS - number of data points in block

DATA RECORDS: 12 points per record

FORMAT: (12F10.2)

missing data points are given the value 9999.0

99999.0

The time associated with each block is the time of the first point of the block.

CDB 6
6/22/81
GG-24C/81C

<u>FILE #</u>	<u>BLOCKS</u>	<u>STATION</u>	<u>COMPONENT</u>
1	1-14	Ft. Providence	H
	15-28		D
	29-42		Z
	43-56		R
	57-70	Hay River	H
	71-84		D
	85-98		Z
	99-112		R
	113-126	Ft. Smith	H
	127-140		D
	141-154		Z
	155-168		R
	169-182	Uranium City	H
	183-196		D
	197-210		Z
	211-224		R
	225-238	Leduc	H
	239-252		D
	253-266		Z
	267-280		R
	281-294	Fort Chipewyan	H
	295-308		D
	309-322		Z
	323-336		R

CDB G
6/22/81
GG-240/810

<u>FILE #</u>	<u>BLOCKS</u>	<u>STATION</u>	<u>COMPONENT</u>
2	1-18	Ft. Providence	H
	19-36		D
	37-54		Z
	55-72		R
	73-90	Hay River	H
	91-108		D
	109-126		Z
	127-144		R
	145-162	Ft. Smith	H
	163-180		D
	181-198		Z
	199-216		R
	217-234	Uranium City	H
	235-252		D
	253-270		Z
	271-288		R
289-306	Leduc	H	
307-324		D	
325-342		Z	
343-360		R	
361-378	Ft. McMurray	H	
379-396		D	
397-414		Z	
415-432		R	
433-450	Ft. Chipewyan	H	
451-468		D	
469-486		Z	
487-504		R	

CORC
6/22/81
GG-240/81C

<u>FILE #</u>	<u>BLOCKS</u>	<u>STATION</u>	<u>COMPONENT</u>
3	1-12	Ft. Providence	H
	13-24		D
	25-36		Z
	37-48		R
	49-60	Hay River	H
	61-72		D
	73-84		Z
	85-96		R
	97-108	Uranium City	H
	109-120		D
	121-132		Z
	133-144		R
	145-156	Leduc	H
	157-168		D
	169-180		Z
	181-192		R
	193-204	Ft. McMurray	H
	205-216		D
	217-228		Z
	229-240		R
	241-252	Ft. Chipewyan	H
	253-264		D
	265-276		Z
	277-288		R

CDB6
6/22/81
GS-24C/810

DATA GAPS

HAYR
URAN
LEDU Riometer data no good
FTCH

DAY 81

No MCMU data

DAY 90

PROV data gap approximately 19:44 to 19:49
and 5:55 to 6:00

SMIT data gap approximately 20:14 to 20:20

DAY 93

No SMIT data

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-24C/81C

ALBERTA MAGNETOMETER / RIOMETER

This data set consists of 2 tape(s). The tape(s) is 9 track, 1600 bpi, EBCDIC with multi-filed data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-45294	C- 21533	3/22/79, 3/31/79, 4/1/79
D-63405	C-24061	04/24/79 - 05/11/80

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 4301 DATE DATA RECEIVED: 4/30/74
DATE NSDF COORDINATOR CONSULTED: _____
DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>1 Mag Tape</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: ALPHA TH ANGLE METER / Pioneer 10
EXPERIMENT NAME: _____
DATA SET FULL NAME: Alpha Angle Meter / Pioneer 10
CONTACT: _____ ACQUISITION SCIENTIST: DMS
FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: D
THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)
ACCESSION UNIT NUMBERS: DU 43294 C-21533

REMARKS:

CDRAW

DATA RECEIPT NOTIFICATION SENT?
[Signature]
DATA TECHNICIAN

Date 6/22/81
NSSDC ID 66-24(c)
66-81(c)

CDAW DATA SET ENTRY

Date Rcvd : JUNE 15, 1981 CDB : 06

Data Sent By : Dr. Gordon Rostoker

Material Rcvd : 1 Tape - 1600 BPI, 9 TRK, EBCDIC, UNLABELED
Documentation; Sample Program + Listing;
Verification Plots

Satellite/NSSDC Name: Albion Magnetometer/Richter
(Revised Form #2)

Data Set Name: Albion Magnetometer/Richter 7 Stations EBCDIC

New Data Set Additions Replacements
Comments New Format

Time Coverage : 032279 , 033179 , 040379
(032279 - 040379)

~~Tapes To Be Returned to:~~ ~~_____~~

Partial
EBCDIC
Dump
Please

Completed By: Don Sawyer



National Aeronautics and
Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

6/22/81
66-244/81C
CDB 6

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name U.ALTA.MAG.R10-CDAW		
2. Scientific Contact DR. GORDON ROSTOKER		3. Telephone No. or Telex No. (403) 432-5592
4. Address DEPARTMENT OF PHYSICS UNIVERSITY OF ALBERTA		
5. City EDMONTON	6. State ALBERTA T6G 2E1	7. ZIP Code or Country CANADA
8. Programmer Contact KAREN APPS (403) 432-3713		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1 (unlabelled)	2. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi
3. No. of Files (per tape) 3	
4. No. of End of File Marks at least 4 (one at end of each file, two at end of tape)	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity ODD	7. Make and Model of Computer Used to Generate Tape AMDAHL 470V/7
8. Are tapes written in binary, coded or both? (e.g. BCD) EBCDIC	
9. What floating point representation is used? (e.g. CDC 64 bit) IBM 32 bit	
10. What integer representation is used? IBM 32 bit	
11. No. of Physical Records (per file) #1 336 #2 504 #3 288	
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) #1 DAY 81 1979 6:00-20:00 UT #2 DAY 90 1979 1200 - DAY 91 1979 6:00 UT #3 DAY 93 1979 0:00 -12:00 UT	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

CDB No.

Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

Tape parameters: 9 track
1600 bpi
unlabelled
fixed length blocked (OS/360 format FB)
7320 bytes/block
120 bytes/record (all records padded to 120 bytes)
61 records/block
5 see data manual

COB 6
6/22/81
SS-24C/81C

Each block consists of header record and one hour of data of one component from one station.

HEADER RECORD: NST, NCOMP, IYR, IDY, IHR, IMIN, SEC, RINT, IPTS

FORMAT: (A4, A1, 4I8, 2F7.2, I8)

NST - station name PROV - Ft. Providence
HAYR - Hay River
SMIT - Ft. Smith
URAN - Uranium City
LEDU - Leduc
MCMU - Ft. McMurray
FTCH - Ft. Chipewyan

NCOMP - component H
D
Z

IYR - year Start time of block

IDY - day

IHR - hour

IMIN - minute

SEC - second

RINT - sample interval

IPTS - number of data points in block

DATA RECORDS: 12 points per record

FORMAT: (12F10.2)

missing data points are given the value 9999.0

99999.0

The time associated with each block is the time of the first point of the block.

CDB 6
6/22/81
GG-24C/81C

<u>FILE #</u>	<u>BLOCKS</u>	<u>STATION</u>	<u>COMPONENT</u>
1	1-14	Ft. Providence	H
	15-28		D
	29-42		Z
	43-56		R
	57-70	Hay River	H
	71-84		D
	85-98		Z
	99-112		R
	113-126	Ft. Smith	H
	127-140		D
	141-154		Z
	155-168		R
	169-182	Uranium City	H
	183-196		D
	197-210		Z
	211-224		R
	225-238	Leduc	H
	239-252		D
	253-266		Z
	267-280		R
	281-294	Fort Chipewyan	H
	295-308		D
	309-322		Z
	323-336		R

CDB 6
6/22/81
GG-240/810

<u>FILE #</u>	<u>BLOCKS</u>	<u>STATION</u>	<u>COMPONENT</u>
2	1-18	Ft. Providence	H
	19-36		D
	37-54		Z
	55-72		R
	73-90	Hay River	H
	91-108		D
	109-126		Z
	127-144		R
	145-162	Ft. Smith	H
	163-180		D
	181-198		Z
	199-216		R
	217-234	Uranium City	H
	235-252		D
	253-270		Z
	271-288		R
289-306	Leduc	H	
307-324		D	
325-342		Z	
343-360		R	
361-378	Ft. McMurray	H	
379-396		D	
397-414		Z	
415-432		R	
433-450	Ft. Chipewyan	H	
451-468		D	
469-486		Z	
487-504		R	

CORC
6/22/81
GG-240/81C

<u>FILE #</u>	<u>BLOCKS</u>	<u>STATION</u>	<u>COMPONENT</u>
3	1-12	Ft. Providence	H
	13-24		D
	25-36		Z
	37-48		R
	49-60	Hay River	H
	61-72		D
	73-84		Z
	85-96		R
	97-108	Uranium City	H
	109-120		D
	121-132		Z
	133-144		R
	145-156	Leduc	H
	157-168		D
	169-180		Z
	181-192		R
	193-204	Ft. McMurray	H
	205-216		D
	217-228		Z
	229-240		R
	241-252	Ft. Chipewyan	H
	253-264		D
	265-276		Z
	277-288		R

CDB6
6/22/81
GS-24C/810

DATA GAPS

HAYR
URAN
LEDU Riometer data no good
FTCH

DAY 81

No MCMU data

DAY 90

PROV data gap approximately 19:44 to 19:49
and 5:55 to 6:00

SMIT data gap approximately 20:14 to 20:20

DAY 93

No SMIT data

\$NOP
\$NOP
\$NOP ***** X-404 *****
\$EXEC TPLIST BS

D-45294

INPUT PARAMETERS ARE: ED FL=1 3

TAPE NO.	1	FILE NO.	1
RECORD	1	LENGTH	7320
PROVH	1979	51	6 0 0.0 5.00 720
00	252.00	252.00	252.00 252.00 252.00 251.44 251.61 252.00 252.00 252.00 252.00 252.00
.00	252.00	251.00	251.00 251.00 251.00 251.00 251.92 252.00 252.00 252.00 252.00 25
2.00	251.31	251.00	251.59 251.00 251.00 251.45 252.00 252.00 252.00 252.00 252.00
51.73	251.22	251.00	252.00 251.08 252.00 252.00 252.00 252.00 252.00 251.11 251.84
252.00	252.00	252.00	252.00 252.00 252.00 252.00 252.00 252.53 252.54 252.62
252.00	252.00	252.23	252.00 252.00 252.00 252.00 252.95 252.00 252.00 252.00
252.00	252.00	252.00	252.00 251.33 251.00 251.00 251.00 251.00 251.00 251.00 251.00
251.00	251.00	251.00	251.00 251.00 251.00 251.00 250.00 250.00 250.00 250.00
250.00	250.00	249.17	250.00 249.73 250.00 250.00 250.00 250.00 250.00 250.00
0	250.00	250.00	250.00 250.00 250.00 250.00 250.00 250.00 249.37 250.00 250.
00	250.00	250.00	250.00 250.00 250.00 250.00 250.00 250.00 250.00 250.00 250.00
.00	250.52	251.00	251.00 251.00 250.00 251.00 251.00 251.00 251.00 251.00 251.00
1.00	251.00	251.00	251.00 252.00 252.00 251.19 252.00 252.00 252.00 252.00
52.00	252.00	252.00	252.00 252.00 252.00 252.00 252.00 252.00 252.00 252.00 252.20
252.84	253.00	252.00	252.00 252.00 252.00 252.00 252.00 252.00 253.00 253.00 253.00
252.69	253.00	253.00	252.55 252.50 252.45 252.00 252.00 252.00 252.00 252.00
252.22	252.83	252.00	252.92 252.00 252.98 252.94 253.00 253.00 253.00
253.00	253.00	253.00	253.00 254.00 254.00 254.00 253.00 253.62 253.00
254.00	253.77	253.00	253.00 253.00 253.00 253.00 253.00 253.00 253.05 253.00 254.0
0	254.00	255.00	255.00 255.67 256.00 256.58 257.00 257.00 257.00 257.00
00	257.00	257.30	257.00 257.00 257.00 257.00 257.00 257.00 257.00 257.00 257.00
.00	258.00	258.00	258.00 258.00 258.00 258.00 258.00 258.00 258.00 258.00 257.50
8.00	258.00	258.00	259.00 259.00 259.00 259.00 259.00 259.00 259.00 259.00 259.00
59.00	259.00	259.00	259.00 259.00 259.00 259.00 259.00 259.00 259.00 260.00 260.00
260.00	259.53	260.00	260.00 260.67 260.00 261.00 261.00 261.00 261.00 261.00 261.00
261.00	261.00	261.00	261.00 261.00 261.00 261.00 261.00 261.00 261.00 261.00 261.00
261.00	261.00	261.48	262.00 262.00 262.00 262.00 262.00 262.00 262.00 262.00 262.00
262.00	261.94	261.00	261.00 261.92 262.00 261.00 261.78 261.73 261.73 262.00
262.00	262.00	262.00	262.00 263.00 262.45 263.00 264.00 263.00 264.00 264.00
0	264.00	264.00	264.00 264.00 264.00 264.00 264.00 264.00 264.00 264.00 265.00
00	264.00	264.00	264.00 264.00 263.52 263.53 264.00 263.00 263.00 263.00 263
.00	263.23	264.00	264.00 264.00 264.00 264.00 264.00 264.00 264.00 264.00 264.00
5.00	265.00	265.00	265.00 265.00 265.00 265.00 265.00 265.00 265.00 265.00 265.00
65.00	265.00	265.00	265.00 265.00 265.00 265.00 265.00 265.00 265.00 265.00 265.00
265.00	265.00	265.00	265.73 266.00 266.00 266.00 266.00 265.45 265.50 265.00
265.00	265.00	264.69	264.00 264.00 264.00 264.00 264.00 263.00 263.00 263.00
263.00	263.00	263.00	263.00 262.00 262.00 262.00 262.00 262.00 261.44 261.00
261.00	261.00	261.00	261.00 261.00 261.00 261.00 260.00 261.00 260.00 260.00
260.00	260.00	260.00	260.00 260.00 260.00 260.00 260.00 260.00 260.00 259.63 259.5
8	259.00	259.48	259.00 259.00 259.00 259.00 259.00 259.00 259.00 259.00 258.
89	258.00	258.00	258.00 258.00 258.00 258.00 258.00 258.00 258.00 258.00 258.00
.64	259.00	259.00	259.00 259.00 259.00 259.00 259.00 259.00 260.00 260.00 260.00
0.00	260.00	260.00	260.97 260.00 261.00 261.00 261.00 261.00 261.00 261.00 261.00
61.00	261.00	261.00	261.00 262.00 262.00 262.00 262.00 262.00 262.33 263.00
263.00	263.00	263.00	263.00 264.00 263.00 263.75 264.00 264.00 264.00 264.00
264.00	264.00	264.48	265.00 265.00 265.00 265.00 265.00 265.00 265.00 265.00
265.10	265.75	265.01	266.00 266.00 266.00 266.00 266.00 266.00 266.77 266.27 267.00
267.00	267.00	267.00	267.00 267.00 267.00 267.00 267.00 267.00 267.00 267.00 267.00
267.00	267.00	267.00	267.00 267.00 267.00 267.00 267.00 267.00 267.00 267.00 267.00
0	267.00	267.00	267.00 267.00 267.00 267.00 267.00 267.00 267.00 267.00 267.00
00	266.00	266.00	266.00 266.00 266.00 266.00 266.00 266.00 266.00 265.00 265.00
.00	265.00	264.29	264.00 264.00 263.43 263.00 263.00 263.00 263.00 262.62 26
2.34	262.00	261.76	261.00 261.00 261.00 260.00 260.00 260.00 260.00 260.00 260.00

12.00	211.70	212.00	212.00	212.00	212.00	213.00	213.00	212.00	213.00	
213.00	213.00	213.00	213.00	213.00	213.64	214.00	214.00	214.00	214.00	
214.41	215.00	215.00	215.00	215.00	215.00	215.00	214.00	214.00	214.00	
214.00	214.00	213.00	213.00	213.00	213.00	213.00	213.00	213.00	213.52	
214.00	213.42	214.00	214.00	214.00	214.00	214.00	214.00	214.00	214.00	
214.00	213.00	213.00	213.00	213.00	213.00	213.00	212.52	212.00	212.00	
0	212.00	211.71	211.00	211.00	210.00	210.00	210.00	210.00	210.00	209.
00	209.00	209.00	208.23	208.00	208.00	208.00	208.00	207.54	207.00	207
.00	206.60	206.00	206.00	206.00	205.79	205.00	205.00	205.00	205.00	20
5.00	205.00	204.00	204.00	204.00	204.00	204.00	204.00	204.00	204.00	2
04.00	204.00	204.00	203.63	203.00	203.00	203.00	203.82	204.00	203.00	
203.00	203.00	203.95	203.00	203.85	203.19	203.76	204.00	204.00	203.38	
203.00	203.00	203.00	203.00	203.00	203.00	203.00	203.00	202.00	202.15	
202.10	203.00	203.00	203.00	202.09	202.87	203.00	203.00	203.00	203.00	
203.00	203.00	203.54	204.00	204.00	204.00	204.00	204.00	204.00	204.21	
205.00	205.00	205.00	205.02	206.00	206.00	206.00	206.00	207.00	207.0	
0	207.00	208.00	208.00	208.56	209.00	209.00	210.00	210.00	210.32	211.
00	211.23	212.00	212.00	212.09	213.00	213.00	214.00	214.00	215.00	215
.00	216.00	216.00	216.00	217.00	217.43	217.52	218.00	218.00	218.00	21
9.00	219.00	219.00	220.00	220.00	220.00	220.00	220.00	220.00	220.00	2
20.00	220.82	221.00	220.27	220.68	220.37	220.00	220.00	220.00	219.55	
219.00	219.00	219.00	219.00	219.00	218.84	218.00	218.00	218.00	218.00	
217.00	217.00	217.00	216.21	216.00	216.00	216.00	215.00	215.00	214.00	
214.00	213.59	213.00	213.00	212.00	211.77	211.00	210.00	210.00	209.96	
209.00	209.00	208.00	208.00	207.00	207.00	206.29	206.00	205.38	205.00	
205.00	205.00	204.00	204.00	203.66	203.00	203.00	202.80	202.00	202.0	
0	201.00	201.00	200.04	200.00	200.00	199.00	198.23	198.00	198.00	197.
37	197.00	197.00	196.00	195.55	195.00	195.00	194.69	194.00	194.00	194
.00	193.88	193.00	193.00	192.02	192.00	192.00	191.16	191.00	190.26	19
0.00	190.00	189.40	189.00	189.00	188.00	188.00	188.00	188.00	187.73	1
87.00	187.00	186.00	186.00	185.00	185.00	185.00	185.00	184.00	183.19	
183.00	183.00	183.00	182.00	182.00	181.00	181.00	180.00	180.00	179.65	
179.29	179.00	179.00	179.15	178.90	178.94	178.00	178.00	178.00	178.00	
178.00	177.23	177.00	177.00	177.00	177.00	176.46	176.00	176.00	176.00	
175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	
174.00	174.00	174.00	174.00	174.00	173.00	173.00	173.00	173.00	173.00	
6	173.00	172.63	172.00	172.00	172.00	172.00	172.00	171.91	171.00	171.
00	171.00	171.00	171.00	170.00	170.00	170.00	169.00	169.00	169.00	169
.00	168.52	169.00	169.00	168.66	168.00	168.00	168.00	167.00	167.00	

TAPE NO. 1
RECORD 504
FTCHR 1979

41
91

FILE NO. 2
LENGTH 7320
5 0 0.0 5.00 720

931.00	931.00	931.00	931.00	931.00	931.00	931.00	932.00	931.14	932.	
00	931.00	932.00	931.95	931.90	931.00	931.00	932.00	932.00	932.00	932
.00	932.00	931.53	931.52	932.00	932.00	932.00	932.00	932.00	932.00	93
2.00	929.32	932.00	932.00	932.00	932.00	931.13	931.83	932.00	932.00	9
31.68	931.64	932.00	932.00	932.00	932.00	931.43	932.00	932.00	932.00	
931.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	931.00	
931.25	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	931.71	931.00	931.00	931.00	931.00	931.00	931.00	931.99	931.00	
8	932.00	931.00	931.00	931.27	931.00	930.36	931.00	931.00	931.00	931.
00	931.00	931.00	931.00	931.00	931.00	931.00	931.00	931.00	931.00	931
.00	931.00	931.00	931.00	931.79	931.25	931.70	932.00	931.00	932.00	93
2.00	932.00	932.00	931.00	932.00	932.00	932.00	931.81	931.00	931.00	9
32.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	
0	932.00	931.44	932.00	932.00	932.00	932.00	931.05	932.00	932.00	932.

2.00	932.00	931.22	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
32.00	932.00	932.00	932.00	932.00	932.00	931.17	932.00	932.00	932.00	932.00	932.00
931.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
931.47	931.58	931.37	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
932.00	932.00	932.00	932.00	932.00	932.00	931.29	932.00	931.20	932.00	932.00	932.00
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
0	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
.00	931.44	931.39	932.00	932.00	932.00	932.00	931.21	931.16	932.00	932.00	932.00
2.00	931.03	932.00	932.00	932.00	932.00	931.22	931.00	931.00	931.00	931.00	931.00
31.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	931.30	932.00	932.00
932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	931.17	932.00	932.00
0	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.59	932.00	932.00
00	932.00	932.00	932.00	932.00	932.00	932.00	932.97	932.00	932.00	932.00	932.00
.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.47	932.00	932.00
2.00	932.67	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
32.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00	932.00
932.00	932.39	932.35	932.70	932.25	932.21	933.00	932.11	932.00	932.00	933.00	933.00
932.03	933.00	932.00	932.17	932.75	932.00	932.31	933.00	932.40	932.40	932.45	932.45
932.50	933.00	933.00	933.00	933.00	933.00	933.00	932.22	932.22	933.00	933.00	933.00
933.00	933.00	933.00	933.00	933.00	933.00	933.00	932.75	932.29	933.00	933.00	933.00
933.00	933.00	933.00	933.00	933.00	933.00	932.33	932.72	933.00	933.00	933.00	933.00
0	933.00	932.95	933.00	933.00	932.09	932.00	932.00	932.77	932.72	932.72	932.72
32	932.63	932.00	932.47	932.49	932.44	932.61	932.00	932.30	932.75	932.75	933.00
.00	932.00	932.89	932.07	932.00	932.97	932.93	932.12	932.83	932.75	932.75	933.00
2.26	933.00	932.00	932.40	933.00	932.50	932.54	933.00	932.00	932.00	932.00	932.00
32.00	932.22	932.82	932.00	932.00	932.00	932.00	933.00	933.00	933.00	932.25	932.25
932.80	933.00	933.00	933.00	933.00	932.39	932.57	932.52	933.00	933.00	933.00	932.00
932.67	933.00	933.00	932.81	933.00	932.10	932.95	933.00	933.00	932.04	933.00	933.00
932.86	933.00	932.23	932.72	932.68	932.37	933.00	932.53	932.53	932.51	933.00	933.00
932.39	933.00	933.00	932.25	932.79	932.84	933.00	932.93	932.93	932.93	932.93	932.00
932.07	933.00	932.00	932.00	932.00	932.74	932.69	932.36	932.40	932.00	932.00	932.00
0	932.54	933.00	932.36	932.68	932.00	932.22	932.82	932.00	932.00	932.00	932.00
00	932.00	932.00	932.11	932.00	932.00	932.00	932.00	932.66	932.61	932.61	932.61
.43	932.00	932.00	932.00	932.62	932.00	932.28	932.00	932.61	932.14	932.14	933.00
2.10	932.00	933.00	932.00	932.09	933.00	932.82	932.23	932.00	932.00	932.00	932.00
32.63	932.00	932.53	933.00	932.00	932.00	932.00	932.00	932.00	932.00	931.79	931.79
932.84	932.00	932.00	932.00	932.00	932.00	932.00	932.12	932.17	932.00	932.00	932.00
933.00	932.64	932.60	933.00	932.50	932.00	932.00	932.00	932.00	932.00	932.00	932.00
932.00	933.00	932.00	932.08	932.03	932.01	932.94	932.00	932.00	932.00	932.00	932.00
932.00	932.00	932.34	932.00	932.00	932.00	932.00	932.00	932.00	932.38	932.00	932.00
932.72	932.76	932.81	932.00	932.90	932.00	933.00	932.04	932.04	932.09	932.09	932.09
6	932.82	932.23	932.28	933.00	932.00	932.42	933.00	933.00	932.44	932.44	932.44
39	932.65	932.30	933.00	932.21	932.84	933.00	932.07	932.00	932.97	932.97	932.97
.00	932.00	932.00	932.00	932.74	932.00	932.36	932.00	932.00	932.00	932.00	932.00

TAPE NO. 1
RECORD 1
PROVH 1979

4/3
FILE NO. 5
LENGTH 7320

00	255.38	255.58	253.53	254.52	253.44	253.39	253.00	253.00	253.00	253.00	256.00
.59	252.16	253.29	252.06	252.98	252.97	253.08	252.12	253.00	251.44	251.44	256.00
3.00	253.00	253.00	252.41	252.09	253.00	253.45	251.81	253.00	253.00	253.00	256.00
54.27	254.44	251.00	255.87	255.00	255.00	255.00	254.94	255.22	255.16	255.16	256.00
254.20	254.00	254.70	254.00	255.00	254.56	255.52	255.47	255.42	255.42	255.42	256.00
257.00	257.28	258.00	258.00	258.86	253.19	260.00	260.00	259.77	262.41	262.41	262.41
263.86	264.81	263.47	265.72	265.33	266.12	265.00	265.00	264.03	264.31	264.31	264.31
263.22	262.00	261.00	260.75	260.20	260.00	260.11	263.00	260.70	260.70	260.70	260.70
257.23	257.33	259.17	258.22	258.00	257.00	257.00	256.00	256.00	256.00	256.00	256.00

.31	248.00	249.53	250.31	247.38	248.33	245.84	247.77	242.75	248.14	24
8.00	248.95	251.00	245.00	242.28	248.00	248.00	248.23	245.28	249.33	2
51.50	249.42	251.53	252.52	252.88	252.83	252.00	253.30	252.00	252.39	
251.31	254.11	252.81	253.05	256.97	257.31	250.25	257.00	258.00	258.73	
259.69	260.00	260.59	261.45	258.50	262.55	262.19	263.00	261.69	257.67	
254.53	260.83	259.00	258.92	258.00	259.97	260.06	259.00	259.16	257.39	
256.50	258.30	258.00	256.39	256.56	257.03	258.00	255.42	256.00	257.34	
254.56	256.77	254.00	253.14	252.00	252.05	253.00	253.00	252.91	243.4	
1	253.63	253.00	253.00	253.34	253.00	254.16	254.00	254.00	253.37	255.
78	254.00	254.00	254.25	253.80	253.00	253.00	255.94	252.98	252.97	253
.92	253.00	252.00	252.00	252.00	251.00	251.00	251.97	248.00	249.50	24
9.00	246.00	247.64	247.69	248.00	245.78	245.00	244.25	249.61	246.97	2
45.02	244.06	243.11	244.69	243.41	243.25	243.00	240.03	242.39	242.56	
243.00	242.53	243.00	243.00	241.67	242.28	239.70	243.00	242.86	239.38	
243.00	242.00	242.95	243.00	243.28	243.00	243.00	243.00	243.67	241.12	
242.31	242.94	242.00	242.00	241.00	240.66	239.41	241.00	241.00	240.69	
241.22	240.00	240.98	240.97	240.00	239.12	238.00	238.00	233.12	238.75	
235.00	233.41	233.45	238.00	233.09	232.00	232.00	232.00	232.00	232.6	
6	231.66	231.13	232.08	233.00	233.00	233.00	233.78	235.00	234.80	236.
00	235.30	236.00	236.00	237.56	237.00	237.00	237.42	237.62	237.67	239
.00	238.77	238.19	239.00	238.91	239.00	239.00	239.00	239.09	239.26	24
1.00	242.00	243.00	243.00	243.63	243.58	244.00	243.48	244.00	243.00	2
43.00	243.00	243.00	243.61	243.16	243.00	243.94	243.02	244.00	244.92	
244.37	243.83	243.78	244.27	244.00	244.00	244.59	243.00	244.00	243.55	
245.00	243.64	243.00	244.00	243.73	244.00	243.13	243.08	244.94	243.00	
243.00	243.11	243.16	243.41	243.00	243.00	242.34	242.39	243.00	242.00	
242.00	242.58	241.38	241.33	243.16	241.00	240.81	240.86	240.00	240.00	
240.00	239.05	240.00	239.14	240.00	239.00	239.00	239.33	239.00	239.0	
0	239.00	239.52	240.12	239.00	239.00	239.70	239.75	239.00	240.00	240.
00	240.00	241.00	241.00	240.08	241.00	240.00	241.00	241.00	241.00	241
.00	241.00	240.00	240.00	239.55	239.00	239.00	239.00	239.00	239.00	23
8.83	238.87	238.00	237.97	237.98	238.81	237.00	237.00	237.00	236.00	2
36.00	236.00	236.00	236.56	236.48	235.47	235.00	235.00	236.00	236.00	
236.00	237.00	237.00	238.00	239.05	241.00	240.95	241.00	241.86	243.00	
242.77	243.72	245.67	246.00	246.58	247.00	247.48	248.00	248.00	248.34	
249.00	250.25	250.00	251.00	251.00	252.00	252.00	252.00	252.84	253.87	
254.00	254.78	255.00	256.00	257.36	257.00	258.00	258.00	259.00	259.59	
259.00	260.00	260.00	260.78	261.00	261.00	261.00	261.00	261.00	261.9	
4	262.00	262.84	263.00	263.00	263.00	263.00	263.61	263.00	264.00	254.
00	264.00	264.00	263.00	263.00	262.00	262.00	261.00	260.91	260.00	260
.00	259.05	259.91	259.00	259.00	258.00	258.00	257.48	257.57	257.00	25
7.00	257.71	257.00	257.20	258.00	258.00	258.05	259.00	259.00	259.91	2
60.00	260.00	260.00	261.00	261.00	261.63	262.59	263.46	264.00	265.00	
266.00	266.35	267.00	268.00	268.21	269.00	270.12	271.00	271.00	271.00	
271.00	271.12	271.84	272.00	272.74	274.00	275.65	276.00	278.11	280.00	
281.46	283.00	284.73	287.32	288.27	291.00	291.18	293.13	294.09	295.00	
295.99	297.00	297.00	297.00	297.00	297.24	297.71	297.66	297.00	297.00	
297.00	296.52	296.00	295.62	295.00	295.00	295.00	295.00	295.00	295.30	296.0
0	296.05	296.99	296.00	296.00	297.00	297.82	298.00	298.00	298.00	298.
00	298.00	297.54	298.51	298.00	298.60	298.00	298.70	299.00	298.21	299
.00	299.00	299.00	299.00	299.00	299.00	299.00	299.00	299.00	299.00	30
0.00	300.65	301.60	302.00	302.49	302.00	302.00	301.63	300.32	300.00	3
00.00	300.00	300.00	300.00	300.00	300.00	301.00	300.10	302.00	302.00	
304.27	303.00	303.00	303.82	304.00	304.52	305.48	306.00	306.00	306.34	
307.29	308.00	308.00	308.00	308.90	307.00	307.00	307.00	306.00	304.27	
305.82	305.23	305.00	304.32	305.00	305.00	305.46	305.00	305.55	305.00	
305.00	306.30	307.00	307.21	309.00	309.12	310.00	310.00	310.00	310.00	
312.00	312.00	312.00	313.00	313.00	314.00	314.00	315.00	316.00	317.0	
0	317.41	317.63	318.00	318.27	319.00	319.00	319.00	319.09	320.00	320.
00	321.00	321.00	321.00	321.00	322.00	322.00	322.00	322.00	323.00	323
.00	322.52	322.43	322.00	322.00	322.29	322.00	321.00	321.85	321.00	

934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00
934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00
934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00
0	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00
00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00
.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00	934.00

***** JOB DONE.
\$WEO LPS

\$NOP
\$NOP ***** GAIL 2 *****
\$EXEC TPLIST 3S

D-63405
04/29/79 - 05/11/80

INPUT PARAMETERS ARE: ED FL=1=1 2

TAPE NO.	1	FILE NO.	1
RECORD	1	LENGTH	7320
PROVH	1979	114	9 0 0.0 5.00 720
33	198.00	198.00	197.00 197.00 197.00 197.00 197.00 197.00 197.00 197.00 197.00 198.00 197
.20	198.00	198.00	198.00 198.00 198.00 198.00 197.08 198.00 197.00 197.00 197.00 19
6.00	195.00	196.00	195.00 195.00 195.00 195.00 195.00 195.00 195.00 195.00 195.00 195.00 1
96.00	196.00	196.00	195.87 196.00 196.00 196.00 196.00 196.00 196.00 196.00 196.00 196.00 1
196.00	196.00	197.00	197.00 197.00 197.00 197.00 197.00 197.52 198.00 198.00 198.00 197.38
198.00	198.00	198.23	199.00 199.00 199.00 199.00 199.00 199.05 200.00 200.00 200.00 200.00
200.00	200.00	200.77	201.00 200.33 200.37 200.00 200.00 199.48 199.00
199.00	199.00	199.00	199.00 198.20 198.84 198.00 198.06 199.00 199.00
199.00	199.00	199.83	200.00 200.00 200.69 201.00 201.59 202.00 202.5
0	203.00	203.41	204.00 204.31 205.00 205.22 205.00 206.00 205.03 207.
00	207.00	207.00	208.00 208.00 208.00 208.75 209.00 209.00 209.61 210
.00	210.00	210.00	210.00 210.00 209.67 209.00 209.00 209.00 209.00 20
9.00	210.00	210.00	210.00 210.91 211.00 211.19 211.00 211.00 211.67 2
12.00	212.00	212.00	212.48 213.00 214.00 214.00 214.00 215.00 215.00
215.00	215.00	215.00	215.00 215.00 216.00 216.00 216.83 217.00 217.00
217.00	217.00	217.00	217.00 217.00 218.00 217.59 218.00 218.00 218.00
218.22	219.17	220.00	220.00 220.00 220.00 220.98 220.00 220.89 220.00 220.20
220.00	221.00	221.00	221.00 221.00 221.00 221.00 221.00 221.00 222.00 222.00
222.00	223.00	223.00	223.00 223.00 224.00 224.00 225.00 226.00 226.0
0	226.00	226.00	226.00 227.00 228.00 228.58 229.00 230.00 230.44 231.
00	232.00	232.00	233.00 233.00 231.00 230.89 229.00 229.00 229.00 229
.92	230.88	230.17	231.00 230.27 229.00 228.36 228.00 226.45 225.50 22
4.00	223.00	222.64	222.00 221.73 221.00 221.00 220.00 220.00 219.97 2
19.98	219.06	219.00	218.16 218.00 218.00 217.00 216.00 216.00 215.00
215.00	215.00	215.00	215.00 215.00 214.00 214.00 213.81 213.00 213.00
213.00	213.00	213.00	213.00 213.00 213.00 213.77 214.00 214.00 214.63
215.58	216.00	217.48	218.00 218.39 219.34 220.30 221.00 222.00 223.00
222.11	223.06	224.00	224.00 224.00 224.88 225.00 225.00 225.00 226.00
226.00	226.00	226.00	226.50 226.45 228.00 227.64 227.69 227.27 228.0
0	229.00	229.00	229.00 229.00 229.00 229.00 229.00 229.00 229.00 228.
25	228.30	228.66	228.00 228.00 228.00 228.00 227.58 227.62 227.67 227
.00	226.77	226.00	225.86 225.00 225.00 226.00 226.00 226.00 226.00 22
6.00	226.00	226.00	226.00 225.37 225.00 225.00 225.00 225.00 225.00 2
25.00	225.00	225.00	225.00 226.00 225.11 226.00 226.00 226.97 227.00
227.00	227.00	227.00	227.27 228.00 228.00 228.00 227.00 228.00 228.00
228.00	227.64	227.00	227.00 227.00 227.00 226.00 226.00 227.00 227.00
227.00	227.00	228.00	228.00 228.00 228.00 228.66 229.00 229.00 229.00
229.00	229.00	229.00	229.33 230.00 230.00 230.19 231.00 231.00 231.05
232.00	232.00	232.91	233.00 233.00 233.00 233.00 233.00 233.37 233.5
9	233.00	233.00	233.00 233.00 233.00 233.25 234.00 234.00 234.
00	235.00	235.00	235.00 235.00 236.00 236.83 237.00 237.00 237.69 238
.64	239.00	239.55	240.50 241.00 241.00 241.00 242.00 242.00 243.22 24
4.17	245.00	245.08	247.00 247.00 247.94 247.11 247.84 248.00 248.00 2
48.00	248.00	247.39	247.56 247.52 248.00 247.00 247.00 247.00 245.28
246.00	245.81	245.86	245.00 244.95 245.00 244.00 243.09 243.00 242.19
242.00	242.00	241.00	241.00 240.00 240.00 240.00 240.00 240.00 239.00
239.00	239.00	239.00	239.00 239.00 239.00 239.00 239.00 239.00 238.32
238.00	238.00	238.00	238.00 237.55 238.00 237.35 237.00 237.00 237.00
237.00	237.00	237.00	237.00 237.00 237.00 236.00 236.16 235.00 235.2
6	235.00	235.00	235.00 234.00 234.00 234.00 234.00 233.63 233.00 232.
00	231.77	231.00	231.00 230.91 229.00 229.00 229.00 229.00 229.00 228
.19	228.00	227.29	227.00 226.00 226.00 225.00 224.00 224.00 222.62 22
2.00	221.71	221.00	220.80 219.00 218.90 218.00 217.99 217.00 216.08 2
16.00	216.00	215.22	215.27 215.00 215.00 214.00 214.00 213.51 213.00

2.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	3.41
2.00	2.40	2.00	2.00	3.88	2.00	2.00	2.00	2.00	2.00	2.00
2.45	2.00	2.63	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.43	2.00	2.00	2.00	2.00	2.00	2.00	2.13	2.00
2.32	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
0.74	2.00	2.00	2.00	2.00	2.00	2.00	3.82	2.00	2.00	2.00
0	2.00	2.00	1.52	2.48	3.43	2.66	2.00	2.00	2.00	2.00
00	2.00	2.77	3.32	3.41	2.00	2.00	2.00	2.00	2.00	2.00
.02	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.73	2.00	2.00
3.09	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	3.95	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.79	2.00	2.00	2.00	2.00	2.00	3.26	2.00	2.00	2.00	2.00
2.00	3.82	2.00	2.00	4.00	2.00	2.00	2.00	2.38	3.52	2.00
2.00	3.24	2.00	2.00	2.00	3.13	2.00	2.00	2.58	3.41	2.00
2.00	3.69	2.00	2.00	2.00	2.00	2.00	2.00	3.74	2.00	2.00
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.90	2.00	2.00	2.6
2	1.48	2.00	2.00	2.00	2.00	3.94	2.00	2.00	2.23	2.00
00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
.00	2.00	2.36	2.00	2.00	2.27	2.00	2.00	2.00	2.00	2.00
2.00	3.71	2.00	3.52	2.00	2.00	3.24	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.49	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	3.56	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	3.68	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	3.07	2.00	2.00	2.00	2.00	2.00	2.00	2.37	2.00
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
0	2.75	2.85	2.30	2.00	2.00	2.77	2.00	2.00	2.00	2.00
00	2.00	2.00	2.00	2.02	4.00	2.00	3.74	2.00	3.56	2.00
.00	2.00	2.73	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
3.48	2.00	2.00	2.00	2.00	3.94	2.00	2.00	2.00	2.00	2.00
2.00	3.49	2.00	3.31	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.57	2.00	3.24	2.00	2.94	2.00	2.00	2.00
2.00	2.68	2.00	2.00	2.00	2.00	3.79	3.88	3.98	2.00	2.00
3.84	2.00	2.00	2.00	2.54	2.00	2.00	2.00	2.91	2.00	2.00
2.00	2.00	2.00	2.00	2.00	2.43	2.00	2.00	2.00	2.00	2.00
0	2.00	2.00	2.00	2.00	2.00	2.99	2.00	2.00	2.00	2.00
00	2.00	2.00	2.00	2.00	3.74	2.00	2.00	2.00	2.00	2.00
.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.48	2.00	2.29	2.00	2.00	2.00	2.00
2.00	3.82	3.73	2.00	2.46	3.45	2.00	2.74	2.00	2.00	2.00
2.00	3.12	2.00	2.00	2.00	2.51	2.00	2.00	2.00	2.00	0.13
3.96	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.80
2.00	2.00	3.08	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.00	2.00	2.00	2.00	2.00	3.70	2.00	2.00	2.00	2.00	2.00
2.00	3.13	2.00	3.05	2.00	2.00	2.00	2.00	2.00	2.00	2.00
0	2.00	2.20	2.00	2.00	2.00	2.00	2.00	2.00	2.46	2.00
00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
.00	2.00	2.00	2.23	2.00	2.00	2.00	2.15	2.00	2.00	2.00

***** JOB DONE.
 \$WEO LPS

\$NOP
\$NOP ***** GAIL 2 *****
\$EXEC TPLIST 3S

D-63405
04/29/79 - 05/11/80

INPUT PARAMETERS ARE: ED FL=1=1 2

TAPE NO.	1	FILE NO.	1
RECORD	1	LENGTH	7320
PROVH	1979	114	9 0 0.0 5.00 720
33	198.00	198.00	197.00 197.00 197.00 197.00 197.00 197.00 197.00 197.00 197.00 198.00 197.00
.20	198.00	198.00	198.00 198.00 198.00 198.00 197.08 198.00 197.00 197.00 197.00 197.00 197.00
6.00	195.00	196.00	195.00 195.00 195.00 195.00 195.00 195.00 195.00 195.00 195.00 195.00 195.00
96.00	196.00	196.00	195.87 196.00 196.00 196.00 196.00 196.00 196.00 196.00 196.00 196.00 196.00
196.00	196.00	197.00	197.00 197.00 197.00 197.00 197.00 197.52 198.00 198.00 198.00 198.00 197.38
198.00	198.00	198.23	199.00 199.00 199.00 199.00 199.00 199.05 200.00 200.00 200.00 200.00 200.00
200.00	200.00	200.77	201.00 200.33 200.37 200.00 200.00 199.48 199.00 199.00 199.00 199.00 198.00
199.00	199.00	199.00	199.00 198.20 198.84 198.00 198.06 199.00 199.00 199.00 199.00 199.00 199.00
199.00	199.00	199.83	200.00 200.00 200.69 201.00 201.59 202.00 202.00 202.00 202.00 202.00 202.5
0	203.00	203.41	204.00 204.31 205.00 205.22 205.00 206.00 205.03 207.00 207.00 207.00
00	207.00	207.00	208.00 208.00 208.00 208.75 209.00 209.00 209.00 209.00 209.61 210.00
.00	210.00	210.00	210.00 210.00 209.67 209.00 209.00 209.00 209.00 209.00 209.00 209.00
9.00	210.00	210.00	210.00 210.91 211.00 211.19 211.00 211.00 211.00 211.00 211.67 212.00
12.00	212.00	212.00	212.48 213.00 214.00 214.00 214.00 214.00 215.00 215.00 215.00 215.00
215.00	215.00	215.00	215.00 215.00 216.00 216.00 216.83 217.00 217.00 217.00 217.00 217.00
217.00	217.00	217.00	217.00 217.00 218.00 217.59 218.00 218.00 218.00 218.00 218.00 218.00
218.22	219.17	220.00	220.00 220.00 220.00 220.98 220.00 220.89 220.00 220.00 220.20 220.00
220.00	221.00	221.00	221.00 221.00 221.00 221.00 221.00 221.00 221.00 221.00 222.00 222.00
222.00	223.00	223.00	223.00 223.00 224.00 224.00 225.00 226.00 226.00 226.00 226.00 226.00
0	226.00	226.00	226.00 227.00 228.00 228.58 229.00 230.00 230.44 231.00 231.00 231.00
00	232.00	232.00	233.00 233.00 231.00 230.89 229.00 229.00 229.00 229.00 229.00 229.00
.92	230.88	230.17	231.00 230.27 229.00 228.36 228.00 226.45 225.50 225.00 225.00 225.00
4.00	223.00	222.64	222.00 221.73 221.00 221.00 220.00 220.00 219.97 219.97 219.97 219.97
19.98	219.06	219.00	218.16 218.00 218.00 217.00 216.00 216.00 215.00 215.00 215.00 215.00
215.00	215.00	215.00	215.00 215.00 214.00 214.00 213.81 213.00 213.00 213.00 213.00 213.00
213.00	213.00	213.00	213.00 213.00 213.00 213.77 214.00 214.00 214.00 214.63 214.63 214.63
215.58	216.00	217.48	218.00 218.39 219.34 220.30 221.00 222.00 222.00 222.00 222.00 222.00
222.11	223.06	224.00	224.00 224.00 224.00 224.88 225.00 225.00 225.00 225.00 225.00 225.00
226.00	226.00	226.00	226.50 226.45 228.00 227.64 227.69 227.27 227.27 227.27 227.27 227.27
0	229.00	229.00	229.00 229.00 229.00 229.00 229.00 229.00 229.00 229.00 229.00 229.00
25	228.30	228.66	228.00 228.00 228.00 228.00 228.00 227.58 227.62 227.67 227.67 227.67
.00	226.77	226.00	225.86 225.00 225.00 226.00 226.00 226.00 226.00 226.00 226.00 226.00
6.00	226.00	226.00	226.00 225.37 225.00 225.00 225.00 225.00 225.00 225.00 225.00 225.00
25.00	225.00	225.00	225.00 226.00 225.11 226.00 226.00 226.00 226.97 227.00 227.00 227.00
227.00	227.00	227.00	227.27 228.00 228.00 228.00 228.00 227.00 228.00 228.00 228.00 228.00
228.00	227.64	227.00	227.00 227.00 227.00 227.00 226.00 226.00 227.00 227.00 227.00 227.00
227.00	227.00	228.00	228.00 228.00 228.00 228.00 228.66 229.00 229.00 229.00 229.00 229.00
229.00	229.00	229.00	229.33 230.00 230.00 230.19 231.00 231.00 231.00 231.05 231.05 231.05
232.00	232.00	232.91	233.00 233.00 233.00 233.00 233.00 233.00 233.00 233.37 233.37 233.37
9	233.00	233.00	233.00 233.00 233.00 233.00 233.00 233.25 234.00 234.00 234.00 234.00
00	235.00	235.00	235.00 235.00 236.00 236.83 237.00 237.00 237.00 237.69 237.69 237.69
.64	239.00	239.55	240.50 241.00 241.00 241.00 242.00 242.00 243.22 243.22 243.22
4.17	245.00	245.08	247.00 247.00 247.94 247.11 247.84 248.00 248.00 248.00 248.00 248.00
48.00	248.00	247.39	247.56 247.52 248.00 247.00 247.00 247.00 247.00 245.28 245.28 245.28
246.00	245.81	245.86	245.00 244.95 245.00 244.00 243.09 243.00 243.00 242.19 242.19 242.19
242.00	242.00	241.00	241.00 240.00 240.00 240.00 240.00 240.00 240.00 240.00 240.00 239.00
239.00	239.00	239.00	239.00 239.00 239.00 239.00 239.00 239.00 239.00 239.00 239.00 238.32
238.00	238.00	238.00	238.00 237.55 238.00 237.35 237.00 237.00 237.00 237.00 237.00 237.00
237.00	237.00	237.00	237.00 237.00 237.00 237.00 236.00 236.16 235.00 235.00 235.00
6	235.00	235.00	235.00 234.00 234.00 234.00 234.00 234.00 233.63 233.00 232.00 232.00
00	231.77	231.00	231.00 230.91 229.00 229.00 229.00 229.00 229.00 229.00 229.00 228.00
.19	228.00	227.29	227.00 226.00 226.00 225.00 224.00 224.00 222.62 222.62 222.62
2.00	221.71	221.00	220.80 219.00 218.90 218.00 217.99 217.00 216.08 216.08 216.08
16.00	216.00	215.22	215.27 215.00 215.00 214.00 214.00 213.51 213.00 213.00 213.00

2.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	3.41	
2.00	2.40	2.00	2.00	3.88	2.00	2.00	2.00	2.00	2.00	2.00	
2.45	2.00	2.63	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	2.43	2.00	2.00	2.00	2.00	2.00	2.00	2.13	2.00	
2.32	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
0.74	2.00	2.00	2.00	2.00	2.00	2.00	3.82	2.00	2.00	2.00	
0	2.00	2.00	1.52	2.48	3.43	2.66	2.00	2.00	2.00	2.00	
00	2.00	2.77	3.32	3.41	2.00	2.00	2.00	2.00	2.00	2.00	2
.02	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.73	2.00	
3.09	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	3.95	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
2.79	2.00	2.00	2.00	2.00	2.00	3.26	2.00	2.00	2.00	2.00	
2.00	3.82	2.00	2.00	4.00	2.00	2.00	2.00	2.38	3.52	2.00	
2.00	3.24	2.00	2.00	2.00	2.00	3.13	2.00	2.58	3.41	2.00	
2.00	3.69	2.00	2.00	2.00	2.00	2.00	2.00	3.74	2.00	2.00	
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.90	2.00	2.00	2.00	2.6
2	1.48	2.00	2.00	2.00	2.00	3.94	2.00	2.00	2.23	2.00	2.
00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2
.00	2.00	2.36	2.00	2.00	2.27	2.00	2.00	2.00	2.00	2.00	
2.00	3.71	2.00	3.52	2.00	2.00	3.24	2.00	2.00	2.00	2.00	
2.00	2.00	2.00	2.00	2.49	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	2.00	2.00	3.56	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	2.00	2.00	3.68	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	3.07	2.00	2.00	2.00	2.00	2.00	2.00	2.37	2.00	
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.0
0	2.75	2.85	2.30	2.00	2.00	2.77	2.00	2.00	2.00	2.00	2.
00	2.00	2.00	2.00	2.02	4.00	2.00	3.74	2.00	3.56	2.00	2
.00	2.00	2.73	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
3.48	2.00	2.00	2.00	2.00	3.94	2.00	2.00	2.00	2.00	2.00	
2.00	3.49	2.00	3.31	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	2.00	2.57	2.00	3.24	2.00	2.94	2.00	2.00	2.00	
2.00	2.68	2.00	2.00	2.00	2.00	3.79	3.88	3.98	2.00	2.00	
3.84	2.00	2.00	2.00	2.54	2.00	2.00	2.00	2.91	2.00	2.00	
2.00	2.00	2.00	2.00	2.00	2.43	2.00	2.00	2.00	2.00	2.00	2.0
0	2.00	2.00	2.00	2.00	2.00	2.99	2.00	2.00	2.00	2.00	2.
00	2.00	2.00	2.00	2.00	3.74	2.00	2.00	2.00	2.00	2.00	2
.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	2.00	2.00	2.48	2.00	2.29	2.00	2.00	2.00	2.00	
2.00	3.82	3.73	2.00	2.46	3.45	2.00	2.74	2.00	2.00	2.00	
2.00	3.12	2.00	2.00	2.00	2.51	2.00	2.00	2.00	2.00	0.13	
3.96	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.80	
2.00	2.00	3.08	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
2.00	2.00	2.00	2.00	2.00	3.70	2.00	2.00	2.00	2.00	2.00	
2.00	3.13	2.00	3.05	2.00	2.00	2.00	2.00	2.00	2.00	2.0	
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00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2
.00	2.00	2.00	2.23	2.00	2.00	2.00	2.15	2.00	2.00	2.00	

***** JOB DONE.
 \$WEO LPS

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-25C

MAGNETOMETER ARRAY - FORMAT 3032

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, with 1 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-45285	C-21491	3/31/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 44-25C

DATE DATA RECEIVED: 6/22/76

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	<u>1 Mag Tape</u>

SATELLITE NAME/NSDF NAME: 1. D. to the array

EXPERIMENT NAME: _____

DATA SET FULL NAME: Landisman Short Magnetometer 100' up

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DU

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: 10-2245 2-214

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

inda thorne

DATA TECHNICIAN

Date 6/11/81
NSSDC ID GS-25c

CDAW DATA SET ENTRY

Date Rcvd : 6/8/81 CDB : 06

Data Sent By : W. Baumjohann
(EBCDIC)

Material Rcvd : 1 mag. Tpe, 9 Trk, 1600 BPC, IBM 3032

1 set of verification plots; 1 set of
documentation; Tape listing

Ground station.

~~Satellite~~ / NEDF Name : Scandinavian Grand Magnetometer Netw

Data Set Name : Scandinavian Magnetometer Array - Form 3032
~~(not all stations are in Münster-Braunschweig Netw)~~

New Data Set Additions Replacements
Comments not all stations are in Münster-Braunschweig Netw

Time Coverage : 31 March, 1979 2101 UT - 2259 UT

~~Tapes Tobe Returned to~~ : NO

Please Return
Tape Listing
DMS

Completed By : Don Savage

CDB TAPE DOCUMENTATION FORM

CDB 6
 66-25C
 6/8/81

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name SMA (Scandinavian Magnetometer Array)		
2. Scientific Contact W. Baumjohann		3. Telephone No. or Telex No. 251-834731
4. Address INST. F. GEOPHYSIK, FIEVEN BECKER WEG 61		
5. City D-4400 MÜNSTER	6. State Fed. Rep. GERMANY	7. ZIP Code or Country —
8. Programmer Contact W. Baumjohann		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1	2. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi
3. No. of Files (per tape) 1	
4. No. of End of File Marks 1	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity odd	7. Make and Model of Computer Used to Generate Tape IBM 3032
8. Are tapes written in binary, coded or both? (e.g. BCD) EBCDIC	
9. What floating point representation is used? (e.g. CDC 64 bit) —	
10. What integer representation is used? —	
11. No. of Physical Records (per file) 78 (each physical record contains 6000 bytes!) 5808 logical records 	
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) each trace (component) runs from 79-03-31 2101 UT to 79-03-31 2259 UT	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

CDB No. _____

Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

CDB 6
GG-25C
6/8/81

November 1977

Structure of Magnetogram Data Files in EBCDIC-Representation

One data file includes data of one or more magnetogram traces (= subdataset), each containing a certain Number (N) relative amplitude values in nT of either X-, Y-, or Z- component for one event for one station.

Each subdataset consists of 1 identification record (record #0) and N' data records (record #1 - #N') - N' means the smallest integer greater than or equal to N/8. (8 lines/record)

Each record includes 80 bytes of EBCDIC representation. For a detailed description of identification and data records see forms attached.

For any further information please contact

W. Baumjohann
Geophysical Institute
University of Muenster
Gievenbecker Weg 61
D-4400 Muenster, F.R.G.

Logical record : 80 bytes

Physical record : 6000 bytes

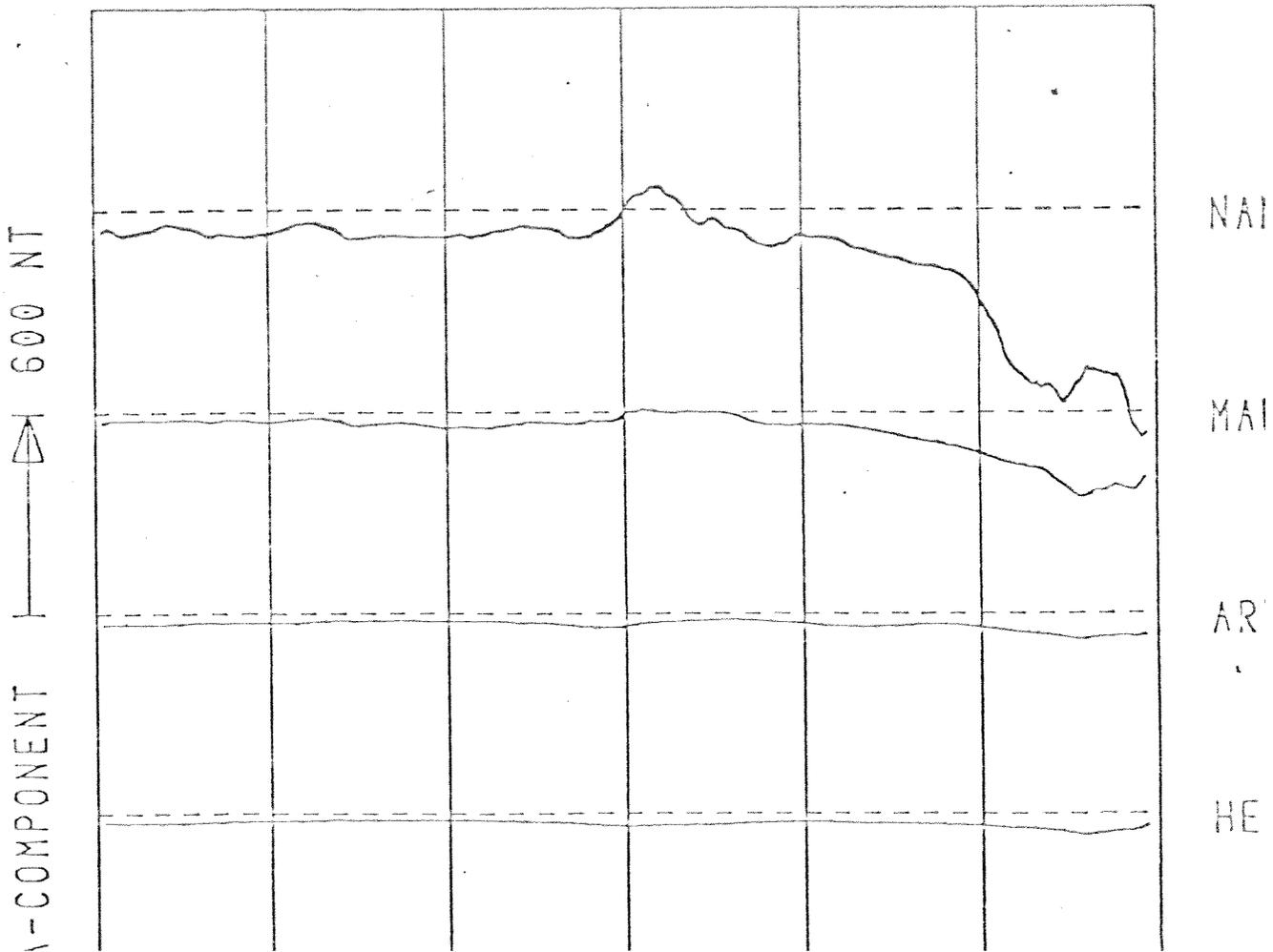
Symbolic name for each parameter should be constructed of first two characters of station abbreviation (byte 29,30 of id-rec), component (byte 33 of id-rec) and of byte 5 of id-rec

~~For information 'D' data records~~

DMS Note:

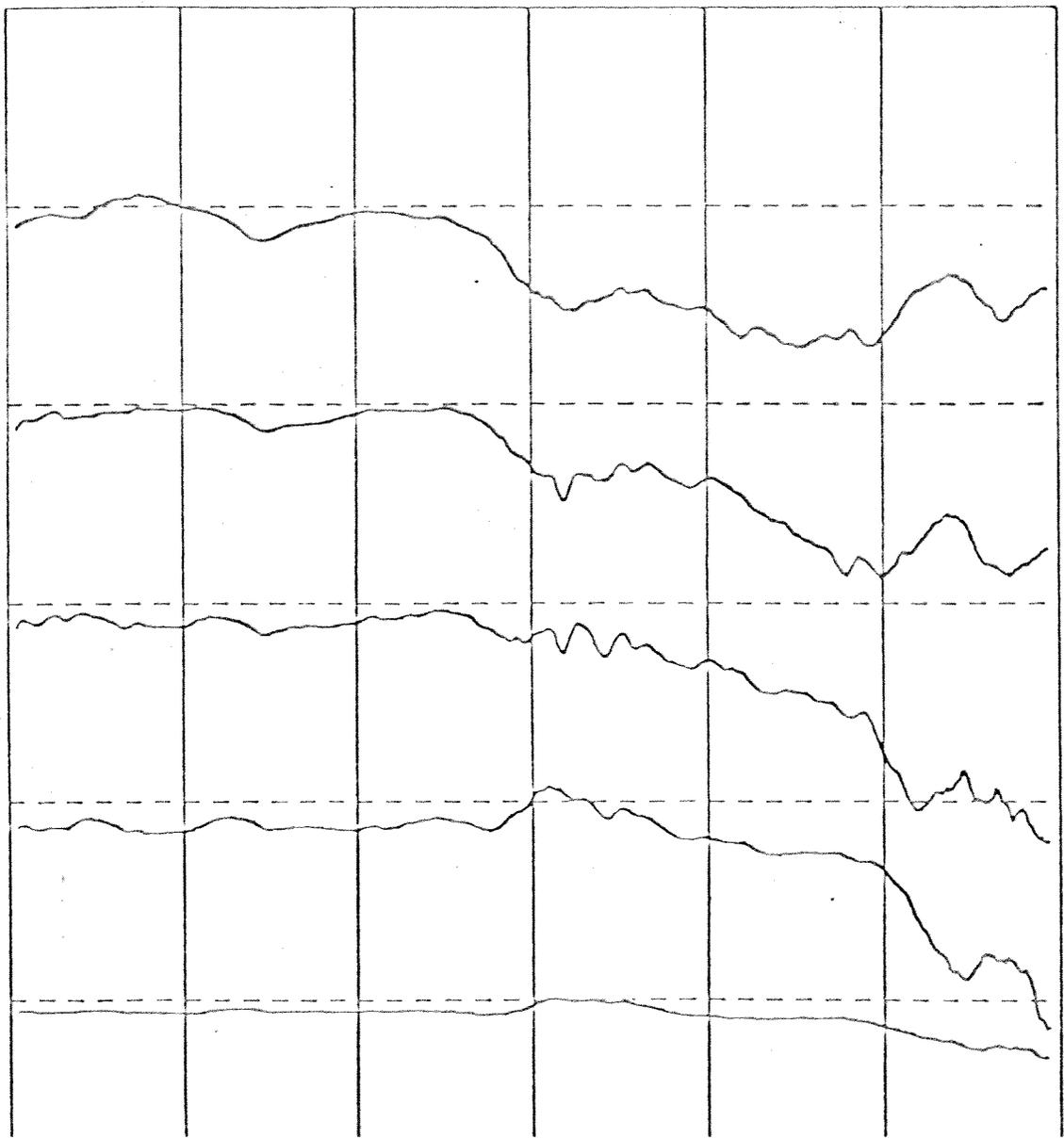
See also the stations contained on the type.

79-03-31



79-03-31

A-COMPONENT
600 NT

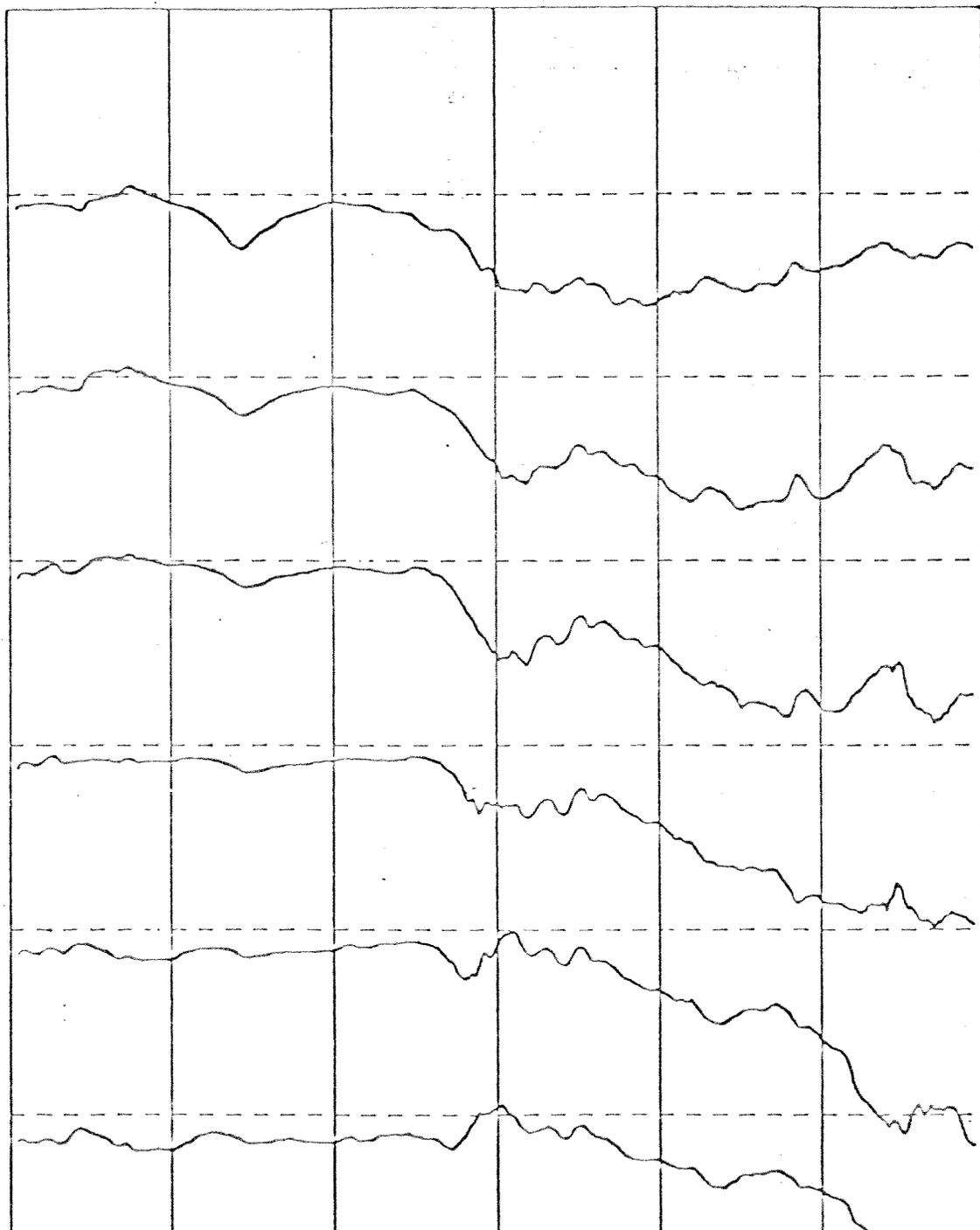


FRE
GLI
OKI
RII
HA

79-03-31

600 NT

A-COMPONENT



AND

EVE

RI

KV

SR

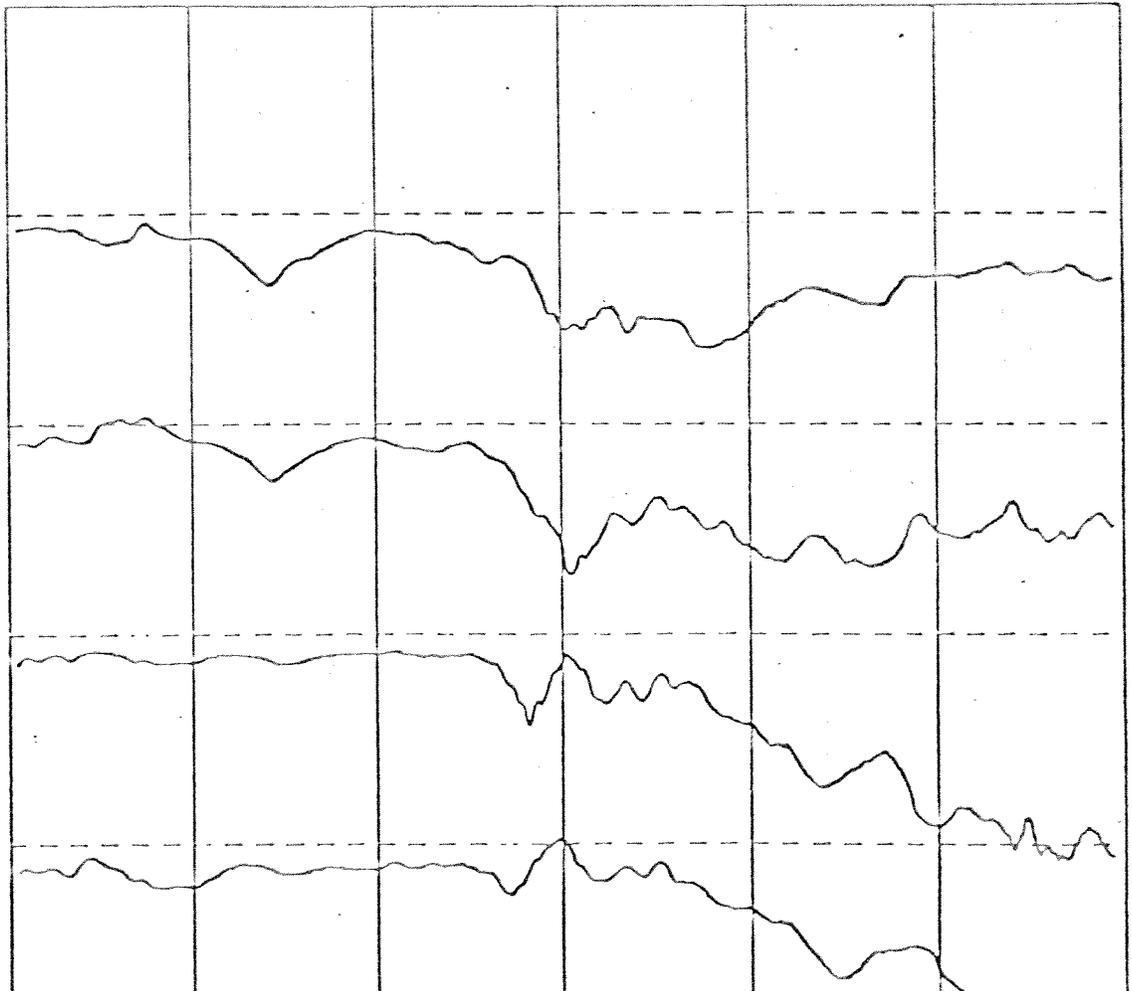
LY

79-03-31

A-COMPONENT



600 NT



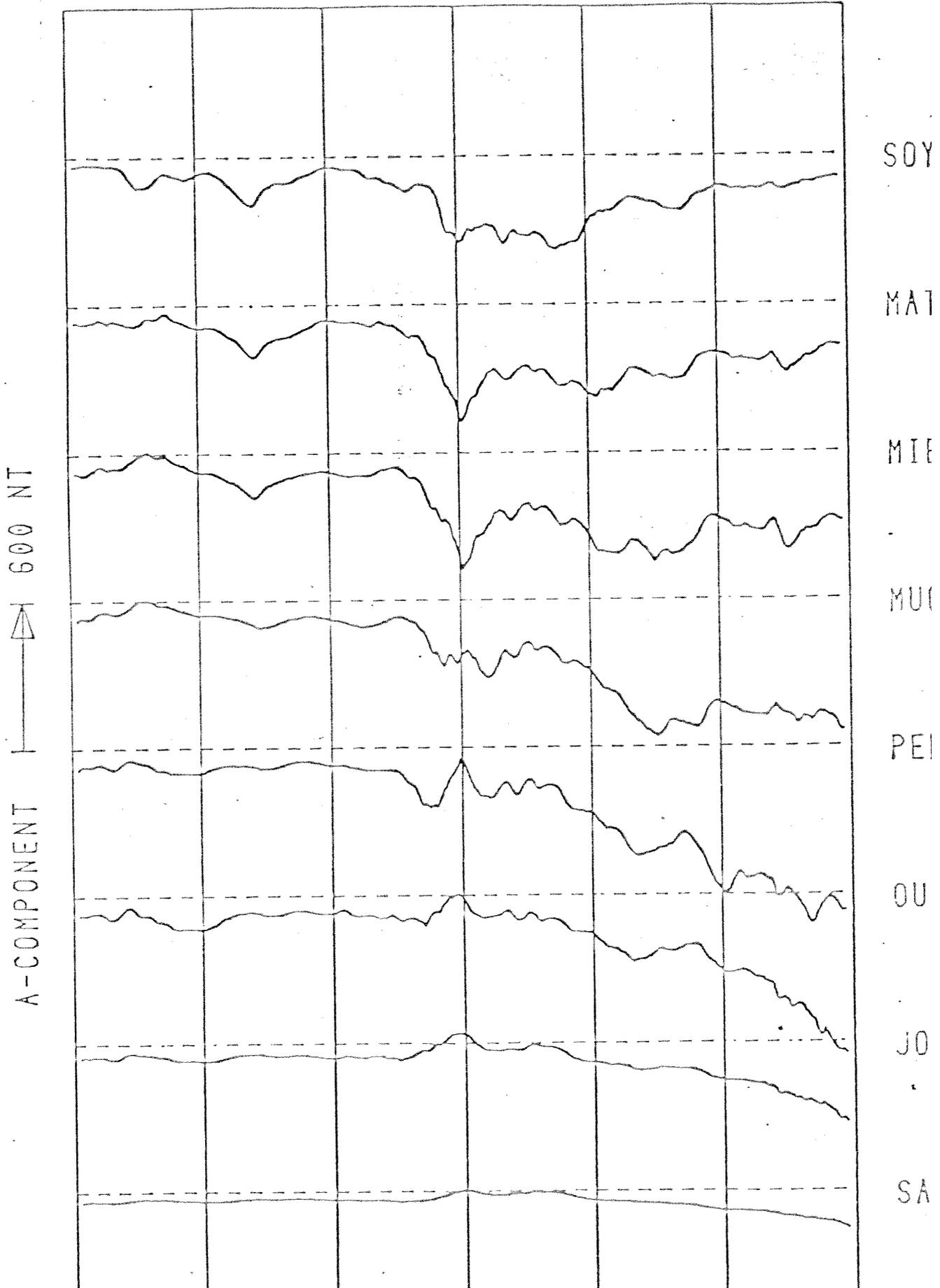
MIK

ROS

NA

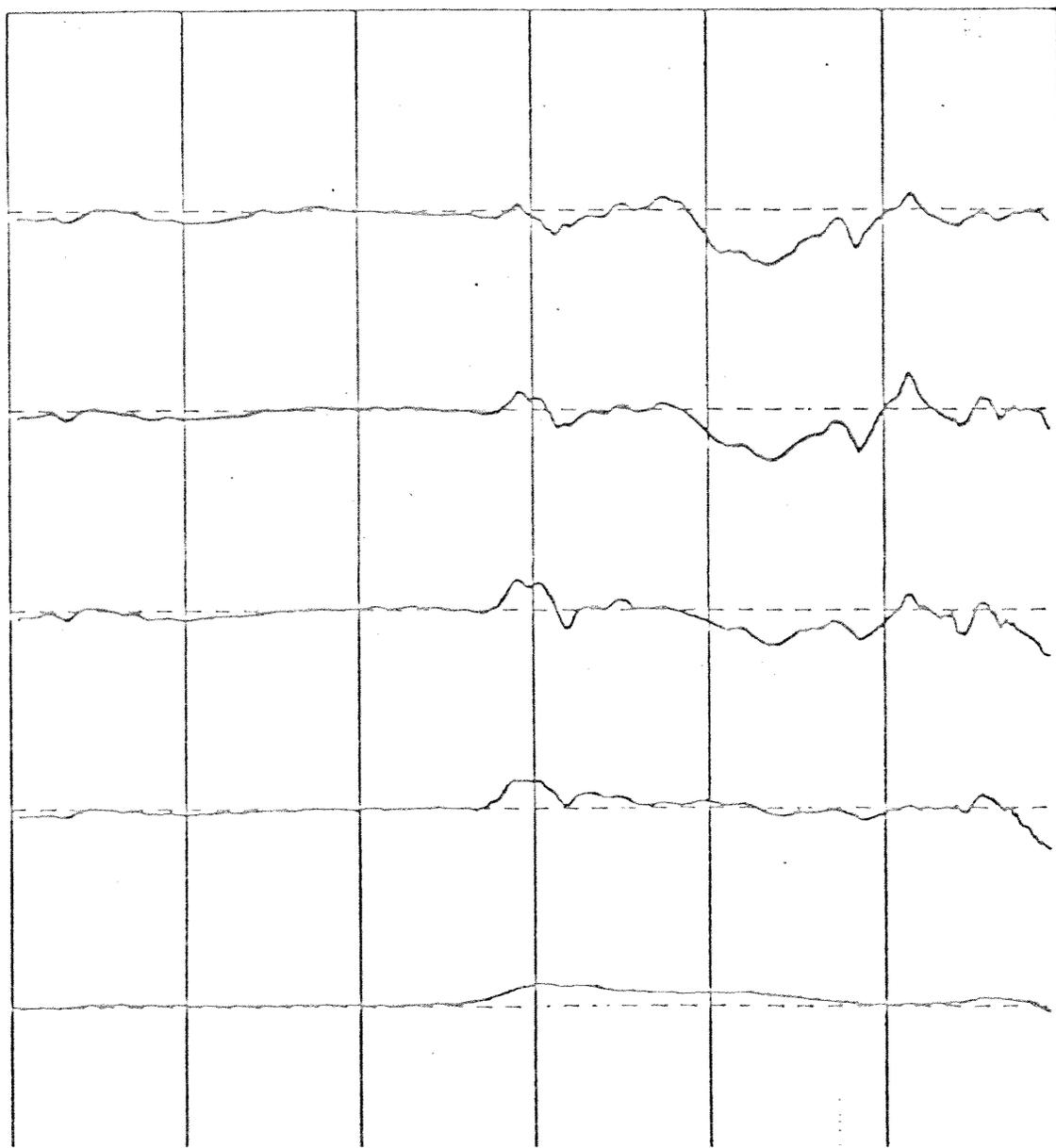
PI

79-03-31



79-03-31

B-COMPONENT
600 NT



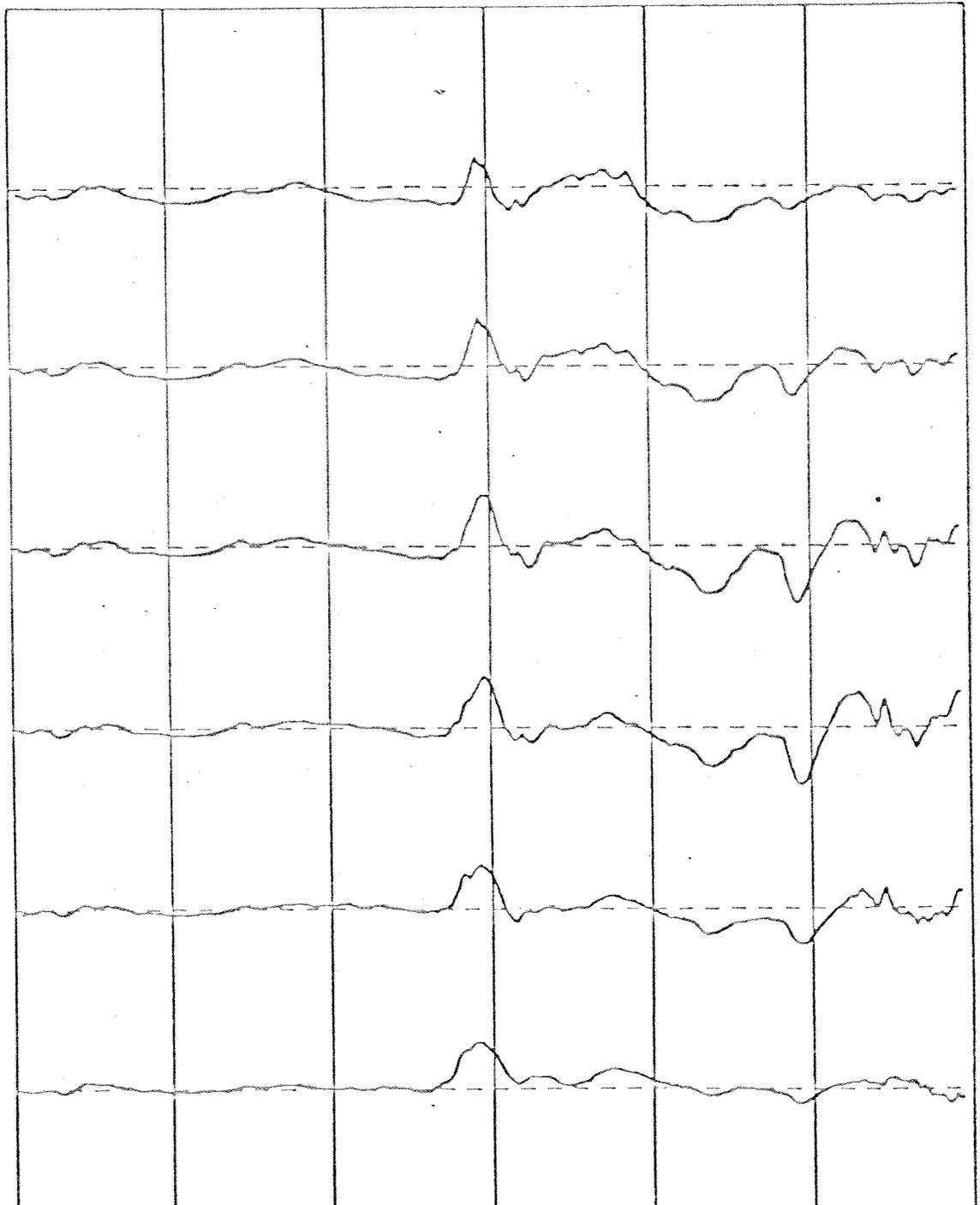
FRI
GLI
OKI
RI
HA

79-03-31

600 NT



B-COMPONENT



AND

EVE

RI,

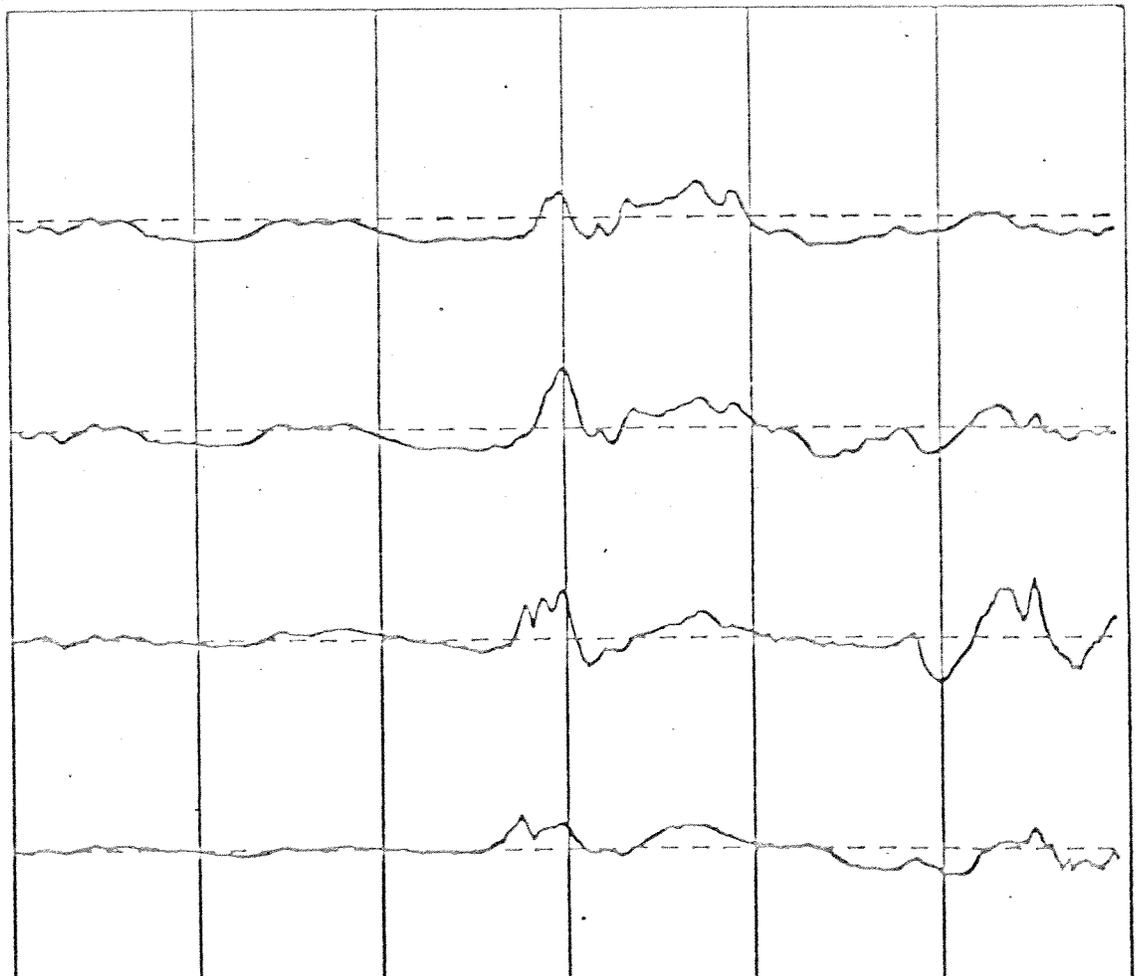
KV

SR

LY

79-03-31

-COMPONENT
↑ 600 NT



MII
RO
NA
PI

79-03-31

B-COMPONENT
600 NT



SOY

MAT

MIE

MUC

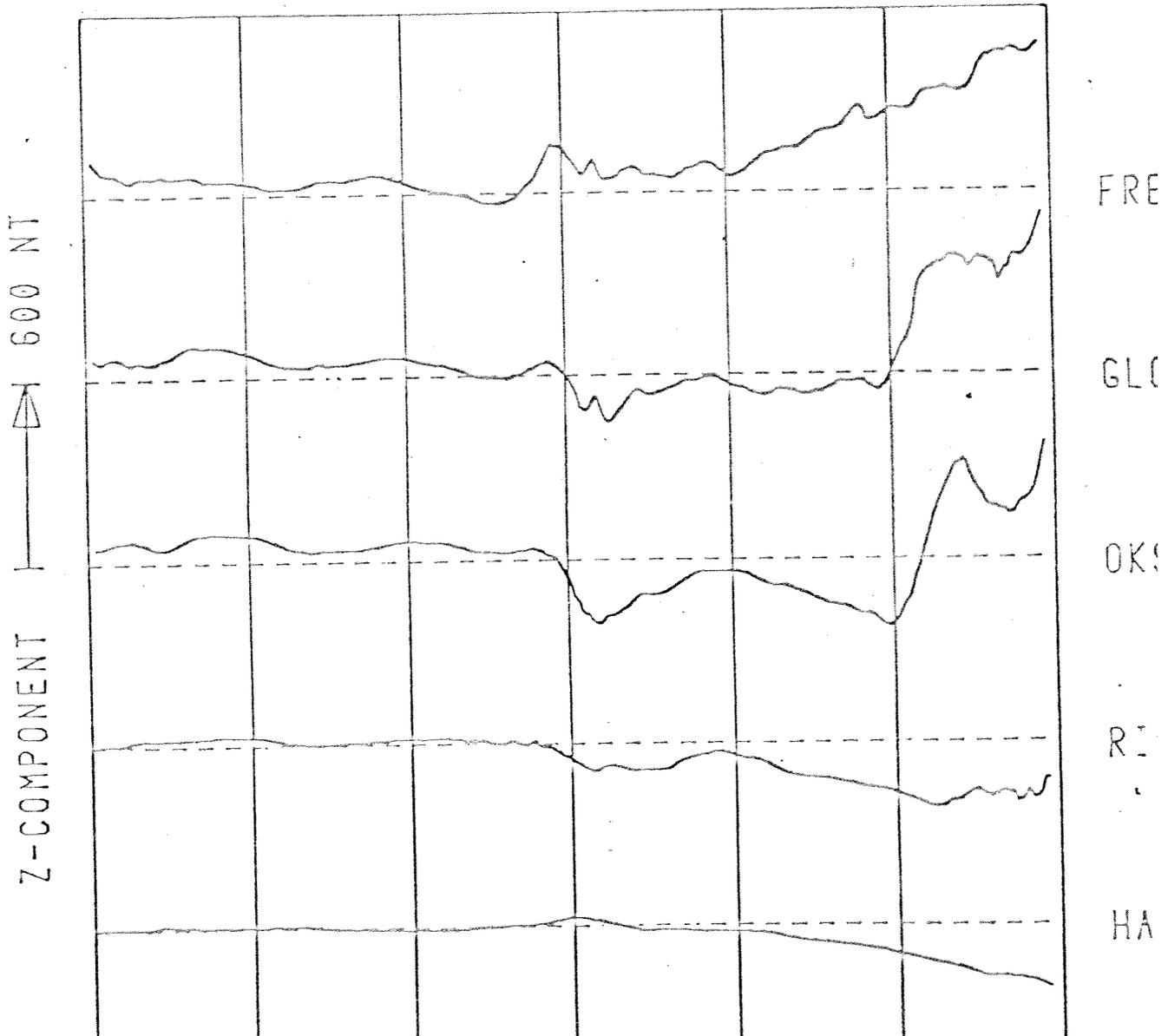
PEI

OUI

JO

SA

79-03-31

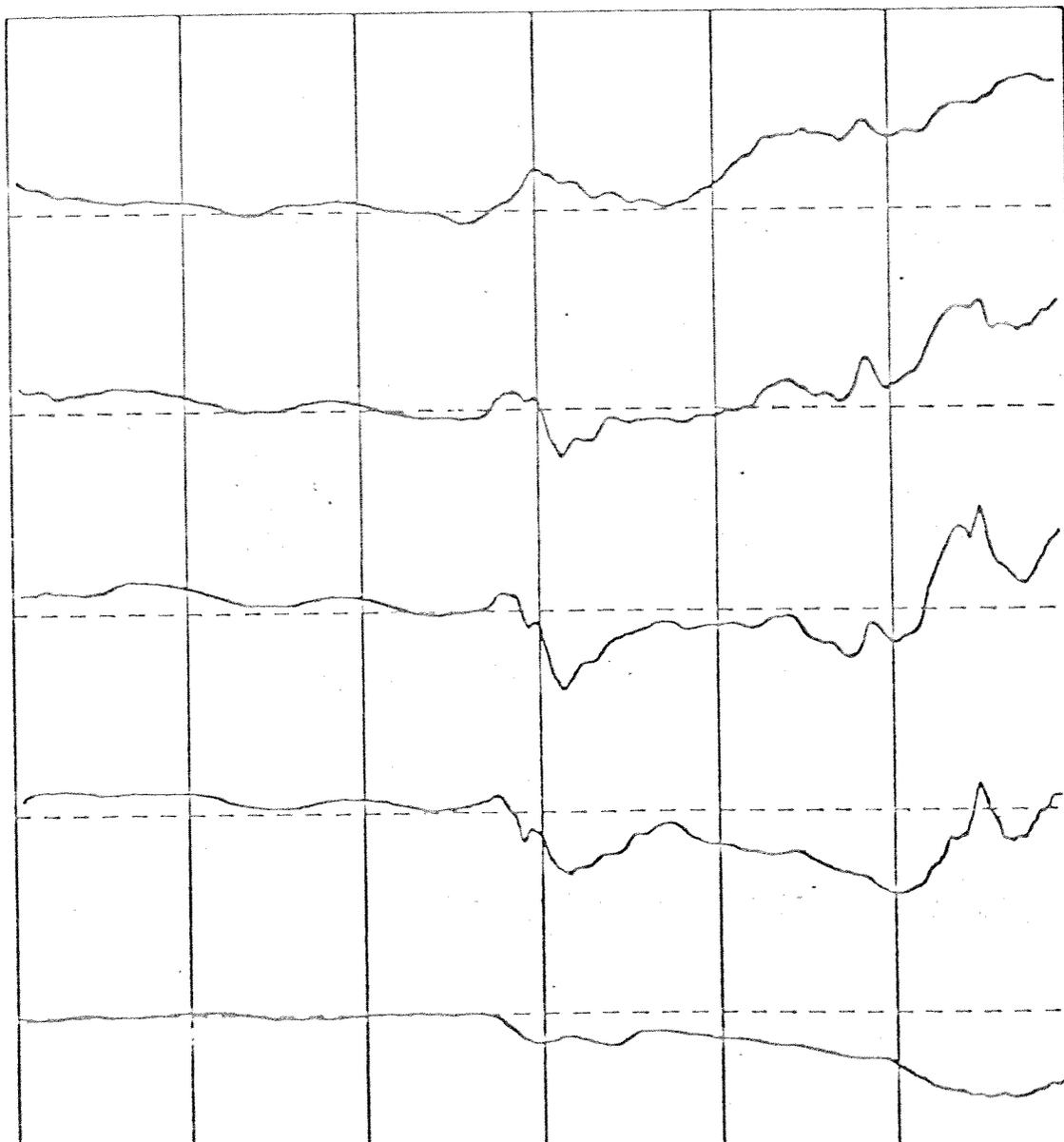


79-03-31

Z-COMPONENT
600 NT



Z-COMPONENT



EVE

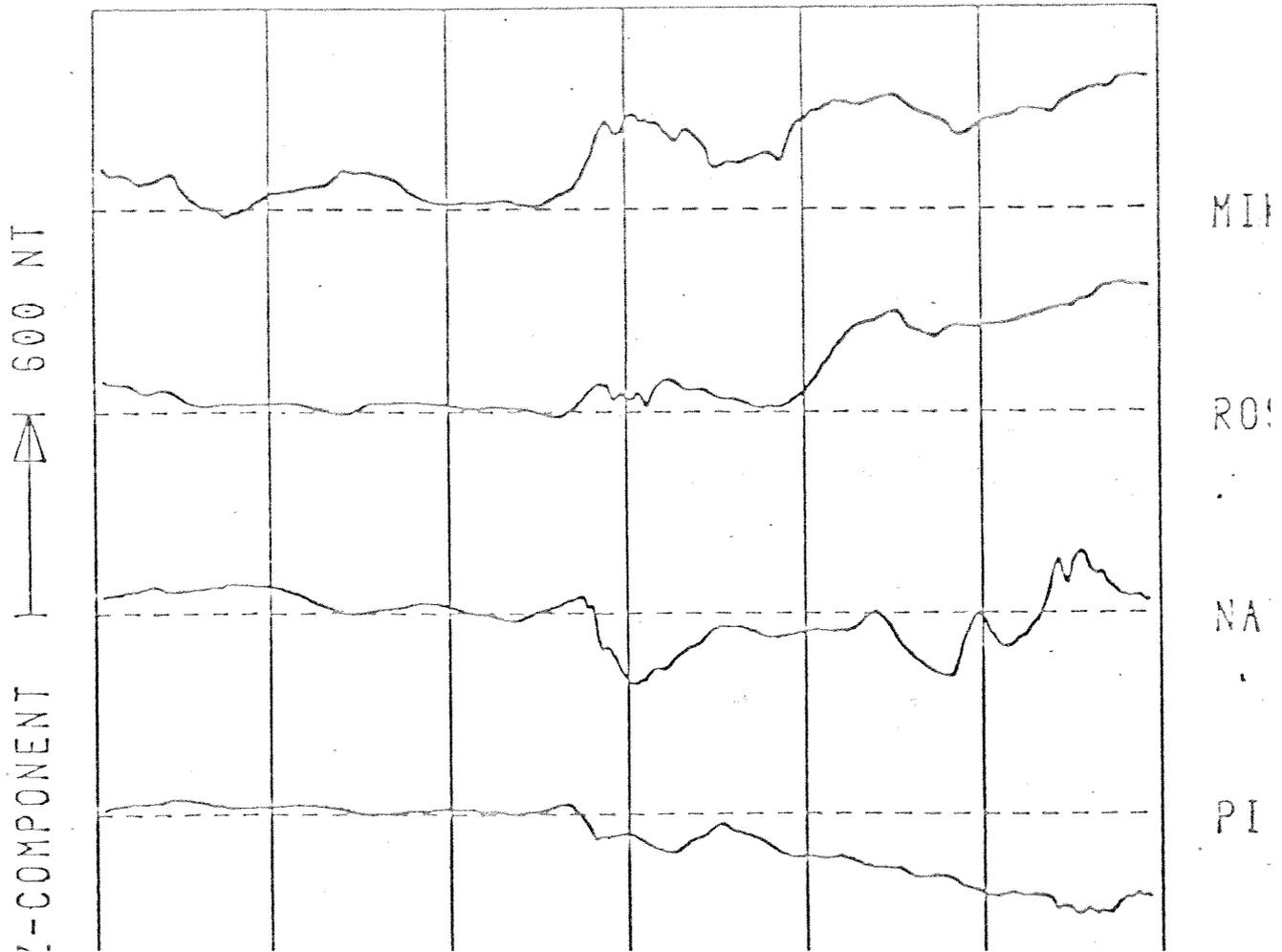
RI

KV

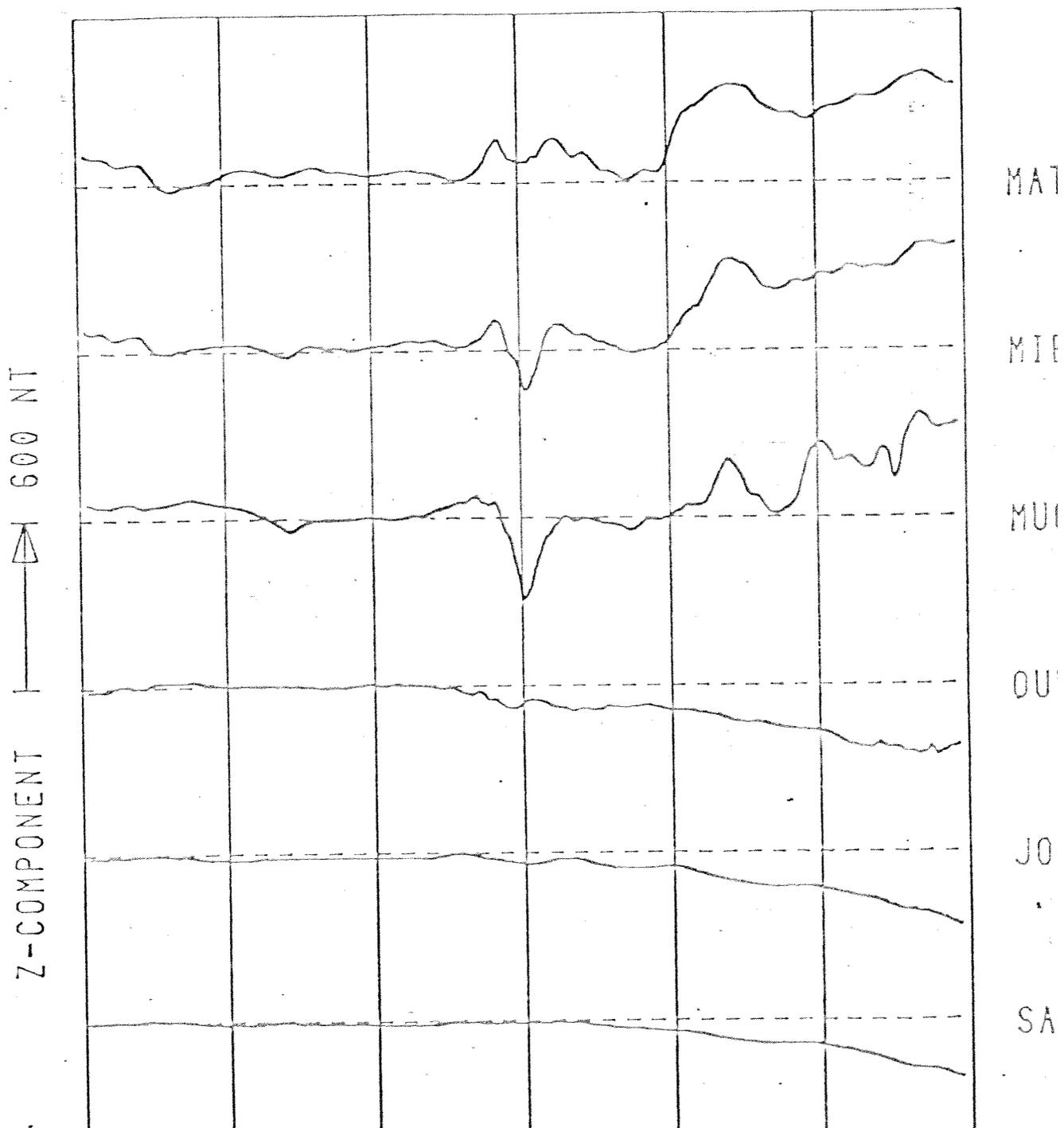
SR

LY

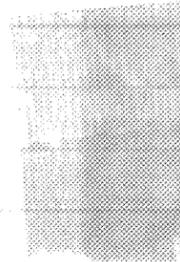
79-03-31



79-03-31



TAPE NO.	1	FILE NO.	1
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0018.0-00015.0-00011.5-00008.0 03111AE00007-00004.0+00000.0+00003.0+00005.5+00008.0+00010.2+0001			
1.8+00013.0 03111AE00008+00014.1+00015.3+00017.1+00019.5+00021.7+00023.0+00024.0+00024.7 0311			
1AE00009+00025.0+00025.0+00024.5+00023.8+00023.5+00023.5+00024.5+00026.5 03111AE00010+00028.6+00			
030.6+00032.8+00035.0+00036.1+00036.3+00035.5+00034.3 03111AE00011+00033.2+00032.0+00031.3+00031			
.3+00031.5+00031.0+00030.5+00030.0 03111AE00012+00028.7+00027.1+00025.5+00023.7+00022.1+00020.2+			
00018.1+00016.0 03111AE00013+00014.0+00012.2+00010.5+00009.0+00007.5+00006.3+00005.1+00004.1			
03111AE00014+00003.0+00001.5+00000.3-00000.6-00001.7-00002.7-00003.6-00004.5 03111AE00015-00005.			
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1.8+00021.6 031488E00030+00021.2+00020.5+00019.2+00017.6+00016.2+00015.5+00015.5+00016.0 0314

\$NOP

\$NOP

\$NOP

\$NOP ***** Y-410 *****

\$EXEC TPLIST BS

INPUT PARAMETERS ARE: ED SR=77=2

TAPE NO. 1 FILE NO. 1

RECORD 77 LENGTH 6000

+00008.6+00008.5+00008.5+00008.6+00008.7+00008.6+00008.5+00008.5 031488E00072+00008.7+00009.0+00009.0+00009.2+00009.5+00009.7+00010.0+00010.3 031488E00073+00010.7+00011.0+00011.5+00011.8+00012.2+00012.5+00012.7+00012.8 031488E00074+00013.0+00013.0+00013.0+00013.0+00012.8+00012.8+00012.7+00012.8 031488E00075+00013.1+00013.3+00013.5+00013.1+00013.0+00013.0+00013.5+00013.8 031488E00076+00014.3+00014.6+00014.7+00014.7+00014.8+00015.1+00015.7+00016.3 031488E00077+00017.0+00017.5+00018.2+00018.8+00019.2+00019.5+00019.8+00020.0 031488E00078+00020.3+00020.5+00020.8+00020.8+00020.8+00020.7+00020.7+00020.6 031488E00079+00020.7+00021.0+00021.2+00021.5+00021.6+00021.8+00021.8+00021.6 031488E00080+00021.2+00020.5+00019.2+00017.6+00016.2+00015.5+00015.5+00016.0 031488E00081+00016.7+00017.7+00018.5+00019.0+00019.2+00019.1+00018.7+00018.1 031488E00082+00017.7+00017.8+00018.1+00018.7+00019.5+00020.0+00020.0+00020.5 031488E00083+00021.3+00022.0+00022.5+00023.0+00023.5+00023.7+00023.7+00023.5 031488E00084+00023.6+00024.1+00024.0+00023.3+00022.3+00021.8+00021.7+00022.0 031488E00085+00022.3+00022.0+00021.2+00020.7+00020.8+00021.1+00021.1+00020.5 031488E00086+00019.7+00019.1+00018.8+00019.0+00019.0+00018.8+00018.5+00018.1 031488E00087+00017.7+00016.8+00015.7+00014.0+00012.2+00011.1+00010.0+00008.7 031488E00088+00007.1+00004.7+00001.5-00001.3 031488E00089031 ED 79 03 31 21 01 00 48 SAV Z 010 00708

03148ZE00000-00002.3-00002.2-00002.0-00001.8-00001.8-00001.8-00002.0-00002.0 03148ZE00001-00001.8-00001.5-00000.8-00000.2+00000.1+00000.5+00001.0+00001.3 03148ZE00002+00001.5+00001.6+00001.7+00001.7+00001.8+00001.8+00001.7+00001.7 03148ZE00003+00001.5+00001.3+00001.2+00001.0+00000.6+00000.5+00000.3+00000.2 03148ZE00004+00000.2+00000.3+00000.5+00000.7+00001.1+00001.6+00002.2+00002.6 03148ZE00005+00003.0+00003.5+00004.0+00004.5+00004.8+00005.2+00005.5+00005.7 03148ZE00006+00005.8+00006.0+00005.8+00005.7+00005.6+00005.5+00005.2+00004.8 03148ZE00007+00004.5+00004.2+00004.0+00003.8+00003.6+00003.5+00003.3+00003.2 03148ZE00008+00003.0+00002.7+00002.5+00002.2+00002.0+00001.8+00001.5+00001.0 03148ZE00009+00000.6+00000.2+00000.0-00000.1-00000.5-00000.3-00001.3-00001.7 03148ZE00010-00002.2-00002.7-00003.1-00003.5-00003.8-00004.5-00005.3-00006.1 03148ZE00011-00006.7-00007.3-00007.7-00008.1-00008.5-00009.0-00009.3-00009.6 03148ZE00012-00010.0-00010.1-00010.3-00010.5-00010.6-00010.7-00011.0-00011.1 03148ZE00013-00011.3-00011.5-00011.5-00011.6-00011.7-00011.8-00011.8-00012.0 03148ZE00014-00012.1-00012.2-00012.5-00012.5-00012.7-00012.8-00013.0-00013.2 03148ZE00015-00013.5-00013.5-00013.5-00013.5-00013.5-00013.2-00013.0 03148ZE00016-00012.6-00012.2-00012.0-00011.6-00011.3-00011.0-00010.6-00010.2 03148ZE00017-00010.0-00009.5-00009.2-00009.0-00008.5-00008.0-00007.5-00007.0 03148ZE00018-00006.5-00006.1-00005.7-00005.3-00005.0-00004.8-00004.8-00004.8 03148ZE00019-00004.8-00004.8-00004.8-00005.0-00005.0-00005.0-00005.0 03148ZE00020-00005.0-00005.1-00005.3-00005.6-00005.8-00006.2-00006.6-00007.1 03148ZE00021-00007.6-00008.0-00008.5-00008.7-00009.0-00009.3-00009.5-00009.7 03148ZE00022-00010.0-00010.1-00010.2-00010.5-00010.5-00010.6-00010.6 03148ZE00023-00010.8-00011.0-00011.0-00011.0-00011.0-00011.0-00011.0 03148ZE00024-00011.0-00011.0-00010.8-00010.6-00010.5-00010.1-00010.0-00009.7 03148ZE00025-00009.6-00009.5-00009.5-00009.6-00009.7-00009.7-00009.7 03148ZE00026-00009.7-00009.8-00009.8-00010.0-00010.0-00010.1-00010.3-00010.5 03148ZE00027-00010.7-00011.0-00011.1-00011.3-00011.5-00011.8-00012.1-00012.2 03148ZE00028-00012.3-00012.5-00012.5-00012.5-00012.6-00012.7-00012.8-00013.0 03148ZE00029-00013.1-00013.2-00013.5-00013.6-00013.7-00013.8-00013.8-00013.8 03148ZE00030-00013.8-00013.8-00013.8-00013.8-00013.8-00013.7-00013.7-00013.7 03148ZE00031-00013.7-00013.8-00014.0-00014.1-00014.3-00014.7-00015.1-00015.5 03148ZE00032-00015.7-00015.7-00015.8-00016.0-00016.0-00016.0-00016.0-00016.1 03148ZE00033-00016.1-00016.0-00016.0-00015.8-00015.7-00015.6-00015.5-00015.5 03148ZE00034-00015.5-00015.5-00015.5-00015.5-00015.3-00015.0-00014.7-00014.3 03148ZE00035-00013.8-00013.1-00012.5-00011.8-00011.0-00010.3-00009.5-00008.5 03148ZE00036-00007.7-00007.0-00006.3-00005.8-00005.6-00005.6-00005.5-00005.5 03148ZE00037-00005.1-00004.8-00004.5-00004.3-00004.3-00004.5-00004.6-00004.8 03148ZE00038-00005.0-00005.3-00005.5-00005.5-00005.5-00005.3-00005.5-00005.6 03148ZE00039-00005.8-00005.8-00005.7-00005.8-00006.2-00007.0-00007.6-00008.3 03148ZE00040-00009.0-00009.5-00009.8-00009.8-00009.7-00009.6-00009.5-00009.3 03148ZE00041-00009.3-00009.5-00009.5-00009.5-00009.5-00009.2 03148ZE00042-00009.1-00009.1-00009.2-00009.3-00009.5-00009.5-00009.5 03148ZE00043-00009.5-00009.5-00009.5-00009.5-00009.5-00009.2-00009.1-00009.1 03148ZE00044-00009.1-00009.1-00009.1-00009.2-00009.2-00009.3-00009.7 03148ZE00045-00010.0-00010.1-00010.2-000

7-00010.2-00009.7 03148ZE00047-00009.2-00005.7-00008.5-00008.1-00008.2-00008.3-00008.5-00008.5
03148ZE00048-00008.5-00008.5-00008.5-00008.6-00009.0-00009.1-00009.2-00009.2 03148ZE00049-0000
9.1-00009.0-00009.1-00009.2-00009.3-00009.5-00009.8-00010.5 03148ZE00050-00011.5-00012.5-00013.5
-00014.5-00015.5-00016.3-00017.0-00018.0 03148ZE00051-00018.7-00019.2-00019.5-00019.7-00020.0-00
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.0 03148ZE00053-00025.7-00026.5-00027.0-00027.5-00027.8-00028.2-00028.5-00028.7 03148ZE00054-
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TAPE NO. 1 FILE NO. 1
RECORD 78 LENGTH 2640

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.0-00041.0-00041.0-00041.0 03148ZE00059-00041.1-00041.2-00041.5-00042.0-00042.1-00042.3-00042.5-
00042.6 03148ZE00060-00042.8-00043.1-00043.6-00044.2-00045.0-00045.6-00046.3-00047.0 03148ZE0
0061-00047.6-00048.1-00048.7-00049.3-00050.0-00050.6-00051.2-00052.0 03148ZE00062-00052.7-00053.
5-00054.5-00055.5-00056.5-00057.6-00058.8-00060.0 03148ZE00063-00061.2-00062.3-00063.3-00064.1-0
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.6-00087.0-00087.1-00087.5-00087.6 03148ZE00069-00087.7-00087.8-00087.8-00087.8-00087.7-00087.7-
00087.6-00087.5 03148ZE00070-00087.3-00087.2-00087.0-00086.8-00086.6-00086.5-00086.2-00086.1
03148ZE00071-00086.0-00086.0-00085.7-00085.5-00085.5-00085.5-00085.5-00085.7 03148ZE00072-00085.
8-00086.0-00086.1-00086.2-00086.3-00086.3-00086.5 03148ZE00073-00086.7-00087.0-00087.1-0
0087.3-00087.6-00088.0-00088.5-00089.1 03148ZE00074-00089.8-00090.6-00091.5-00092.3-00093.5-0009
4.5-00095.8-00097.0 03148ZE00075-00098.0-00099.0-00099.7-00100.5-00101.3-00102.3-00103.1-00104.0
03148ZE00076-00104.6-00105.0-00105.5-00106.0-00106.5-00107.1-00107.7-00108.5 03148ZE00077-00
109.2-00110.0-00111.0-00112.1-00113.5-00115.0-00116.1-00117.2 03148ZE00078-00118.5-00119.7-00120
.7-00121.6-00122.6-00123.5-00124.5-00125.3 03148ZE00079-00126.3-00127.5-00128.6-00129.8-00131.0-
00132.0-00132.8-00133.7 03148ZE00080-00135.0-00136.5-00138.0-00139.2-00140.6-00142.2-00144.1-001
45.8 03148ZE00081-00147.2-00148.6-00150.2-00151.8-00153.3-00155.0-00156.6-00158.2 03148ZE0008
2-00160.0-00161.6-00163.1-00164.5-00165.8-00167.1-00168.5-00169.6 03148ZE00083-00170.6-00171.5-0
0172.1-00173.0-00173.5-00174.0-00174.5-00174.5 03148ZE00084-00174.5-00174.5-00174.5-00174.5-0017
4.5-00174.8-00175.7-00176.6 03148ZE00085-00177.3-00177.7-00178.0-00178.2-00178.5-00179.0-00180.0
-00181.1 03148ZE00086-00182.1-00183.2-00184.1-00185.1-00186.5-00188.0-00189.6-00191.0 03148ZE
00087-00192.5-00194.6-00197.0-00199.1-00201.1-00202.7-00204.1-00205.3 03148ZE00088-00206.2-00207
.2-00208.3-00209.7 03148ZE00089

***** JOB DONE.
SWE0 LPS

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-26G

CHURCHILL CHAIN 10 SECOND

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, with 1 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-45307	C-21545	3/21/79, 3/22/79, 3/31/79, 4/1/79, 4/30/79 (not all time spans for all 9 atations)

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 49-269

DATE DATA RECEIVED: 7/24/71

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>1 1/2 tape</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: SEARCHER . MMS TO SECOR

EXPERIMENT NAME: _____

DATA SET FULL NAME: _____

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 45907 21545

REMARKS:

CDAW

DATA RECEIPT NOTIFICATION SENT?

John Mamm...
DATA TECHNICIAN



Energy, Mines and
Resources Canada

Énergie, Mines et
Ressources Canada

Science and Technology

Science et Technologie

CDR 6
7/8/81
66-266

June 29, 1981

Your file Votre référence

Our file Notre référence

Mr. Donald Sawyer
I.M.S. Workshop
Code 601
NASA Goddard Space Flight Centre
Greenbelt, Maryland 20771
U.S.A.

Dear Mr. Sawyer:

Following your phone conversation with Mr. Jansen van Beek, we have copied from our I.M.S. network files, and are delivering herewith, the 10-second data requested for the workshop study.

The accompanying tape CVE79A has been written in 9-track (EBCDIC) 1600 BPI under format control for 10-sec data as described on the attached guide sheet. Edited for stations Mould Bay, Pelly Bay, Rankin Inlet, Eskimo Point, Back, Gillam, Island Lake, Thompson and Fort Severn in that order, the data represent all that we hold for days 81, 90, 91 and 120, 1979 - close to full coverage. The enclosed listing notes the first two samples for each record. No EOF's separate the stations, so access to any time label at a given location (in record count) can simply be the record number appearing on the left margin summed with the running totals of all previous stations on the tape.

By way of precaution, it should be pointed out that during this period a heater oscillation problem at times affected the Z component at Island Lake and Gillam. Where this occurs it usually takes the form of a quasi 10 or 30-minute superimposed cycle. Also it will be noted that the D component was entirely missing from Fort Severn with occasional interruptions.

No attempt has been made to reduce the quiet day disturbance level from these data. Such an effort is currently in progress with the 1-minute derived version of the files. The results may become available when completed, together with stack-plots representing the full Churchill chain.

Yours truly,

Fred C. Plet
Division of Geomagnetism

FP/ss

CC: Dr. E.R. Niblett
Dr. J.K. Walker
Mr. G. Jansen van Beek

Earth Physics Branch
Division of Geomagnetism
1 Observatory Crescent
Ottawa Canada
K1A 0Y3

Direction de la physique du globe
Division du géomagnétisme
1, place de l'Observatoire
Ottawa Canada
K1A 0Y3

Enclosures

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-26H

CANADIAN EPB+IMS STATIONS 1 MINUTE

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, EBCDIC with 1 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-46012	C-21622	3/22/79, 3/31/79, 4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-26H

DATE DATA RECEIVED: 8/27/81

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 mag Tape

SATELLITE NAME/NSDF NAME: SPINNING EYE + LMS STATIONS - 1 MIN.

EXPERIMENT NAME: Dupesku Group Record 1 of 1

DATA SET FULL NAME: _____

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 4 6012 21622

REMARKS:

CDAW

DATA RECEIPT NOTIFICATION SENT?

Jinda Moran

DATA TECHNICIAN

Date August 25, 1981
NSSDC ID GG-26(H)

Copy

CDAW DATA SET ENTRY

Date Rcvd : August 25, 1981 EDB : 06

Data Sent By : John Walker

EBCDIC

Material Rcvd : 1 tape 9-track 1600 bpi

documentation, verification plots &

DUMP

Satellite/NSEF Name : GG-26(H)?

Data Set Name : Canadian EPB + IMS Stations - 1 MIN.

New Data Set Additions Replacements

Comments New Format - 21 stations

Time Coverage : March 22 + March 31 + 1 April

Tapes To Be Returned to : Not to be returned

Please return
DUMP to us.
Thanks

Completed By : K. Headley



Energy, Mines and
Resources Canada

Énergie, Mines et
Ressources Canada

Science and Technology

Science et Technologie

GG-2617
8/25/81
CON 25
J. Walker
CDB 06

August 17, 1981

Your file Votre référence

Our file Notre référence

Mr. D. Sawyer
Manager of Workshop and
 Coordination Operations
National Space Science Data Center
WDC A-R&S
Code 601
Goddard Space Flight Center
Greenbelt, MD. 20771
U.S.A.

Dear Donald:

Please find enclosed a tape (WCDAW6) together with a letter to Dr. R.L. McPherron and plots of the 1 min. digital data from the Canadian EPB Observatories and IMS stations. A map showing the locations of these stations and a list of their codes is also enclosed. The plots were made at 10 mm/h for easy copying and at 20 mm/h for displaying at workshops and meetings and these have been taken to the IAGA meeting.

The tape is written in EBCDIC on 9 track and at 1600 bpi. The first 63 records contain 1 min data for the 22 March 79 event and consist of 850 words each of which is written in I6. The next 63 records contain data for the 31 March 79 event and consist of 1090 words also in I6. The first 10 I6 words are header information (see listing) and the data start at the 11th word and correspond to 1 min after the hour start-time of each event. These data contain some spikes and gaps which are identified by 9999 for the IMS stations and by 999999 for the observatories. The undisturbed baselines (dashed line on diagrams) have been subtracted for each of the 3 components for each station. The D-component for FSU was inoperative and while the data are included and identified by 9999, you might delete them from your master file. The first word

. . . /2

Earth Physics Branch
Division of Geomagnetism
1 Observatory Crescent
Ottawa Canada
K1A 0Y3

Direction de la physique du globe
Division du géomagnétisme
1, place de l'Observatoire
Ottawa Canada
K1A 0Y3

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is the station number code (15265-RES), followed by the year (1979), then the last day (81), hour (19), three fillers (0), sample interval (60), quiet baseline (-734), a filler (0) and then the data (840 values for first event and 1080 for the second).

Please give me a call if you have any problems. I'm looking forward to the workshop and hope to access the data before the workshop as well as explore the many new features of the Datagraf facility.

Best regards.

Sincerely,

A handwritten signature in cursive script that reads "John Walker".

John Walker
Division of Geomagnetism
JW/ts

Encl.



Energy, Mines and
Resources Canada

Énergie, Mines et
Ressources Canada

Science and Technology

Science et Technologie

Your file / Votre référence

Our file / Notre référence

July 28, 1981

Dr. R.L. McPherron
Institute of Geophysics and
Planetary Physics
U.C.L.A.
Los Angeles, CA 90024
U.S.A.

Dear Bob:

Please find enclosed copies of stack plots of magnetograms for the CDAW 6 workshop, which Dr. Serson has kindly agreed to take to IAGA. The plots have been organized into 2 sets for each event and consist of data from 21 EPB observatories and IMS stations. One series of plots ($\sim D$, $\sim H$ & Z) are for the Churchill array while the other series consists of the remaining EPB stations, which have been organized into 2 groups. The first group consists of the line of stations from Alert to Victoria while the second group forms the line from Thompson to St. Johns and the observatory at Ottawa. A map showing the location of the stations together with a list of the stations and their IAGA codes is also enclosed. The components plotted are geographic X, Y and Z for the observatories and H, D and Z for the IMS stations and hence the $\sim H$ and $\sim D$ symbols on the plots. The dashed line indicates the undisturbed level, which has been determined for the observatories from very quiet night-time intervals over several years. Plots have been made at both 10 mm/h and 20 mm/h. The small plots can be readily copied while the large plots are convenient for analysis and poster displays. These plots have been made from 1 min. data which will be forwarded to the NSSDC shortly. The 10 s data from the IMS tape data logger has already been sent.

Best regards,

Sincerely,

John Walker

Division of Geomagnetism

Earth Physics Branch
Division of Geomagnetism
1 Observatory Crescent
Ottawa Canada
K1A 0Y3

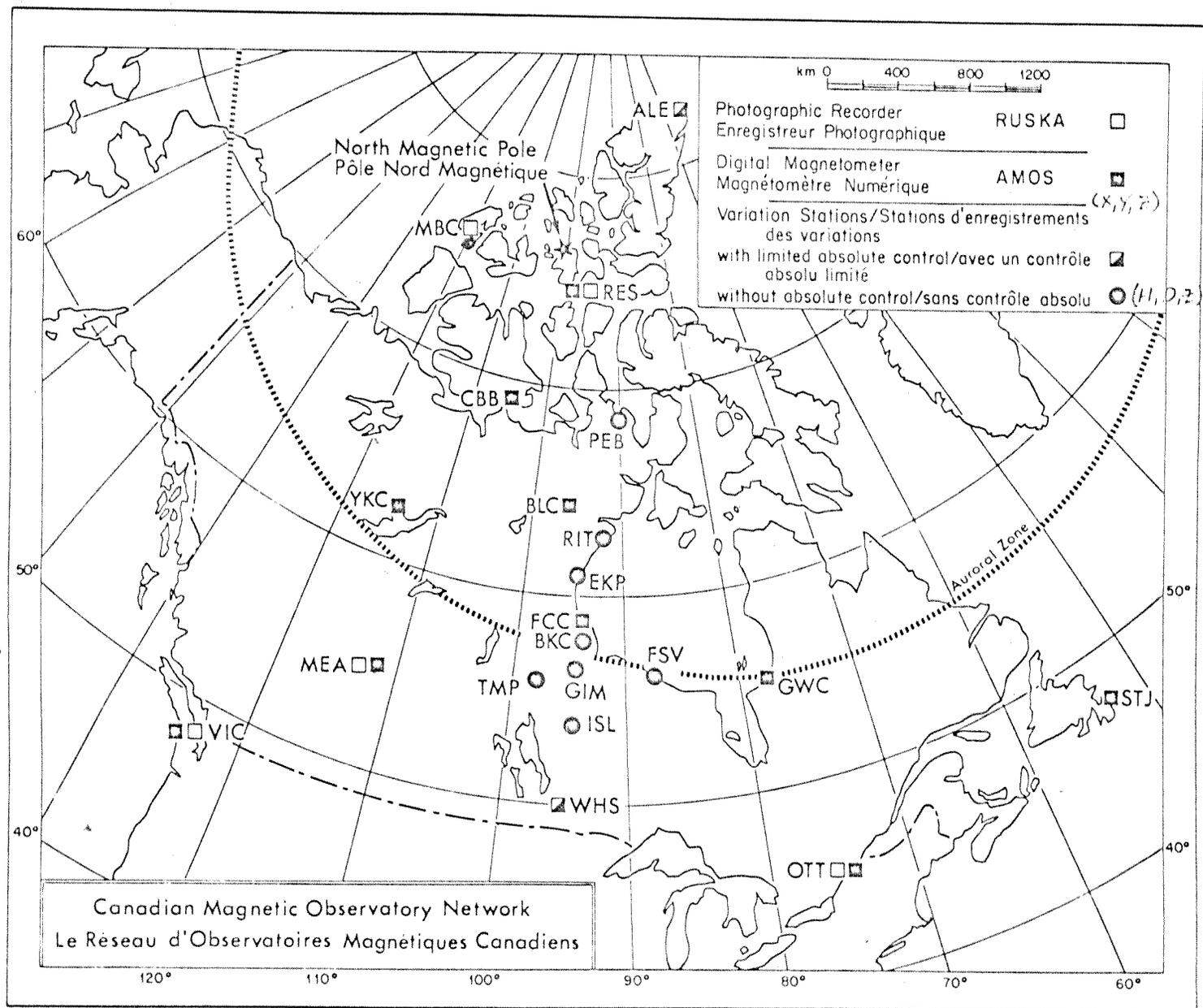
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Ottawa Canada
K1A 0Y3

JW/ts

Encls.

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papier recyclé.



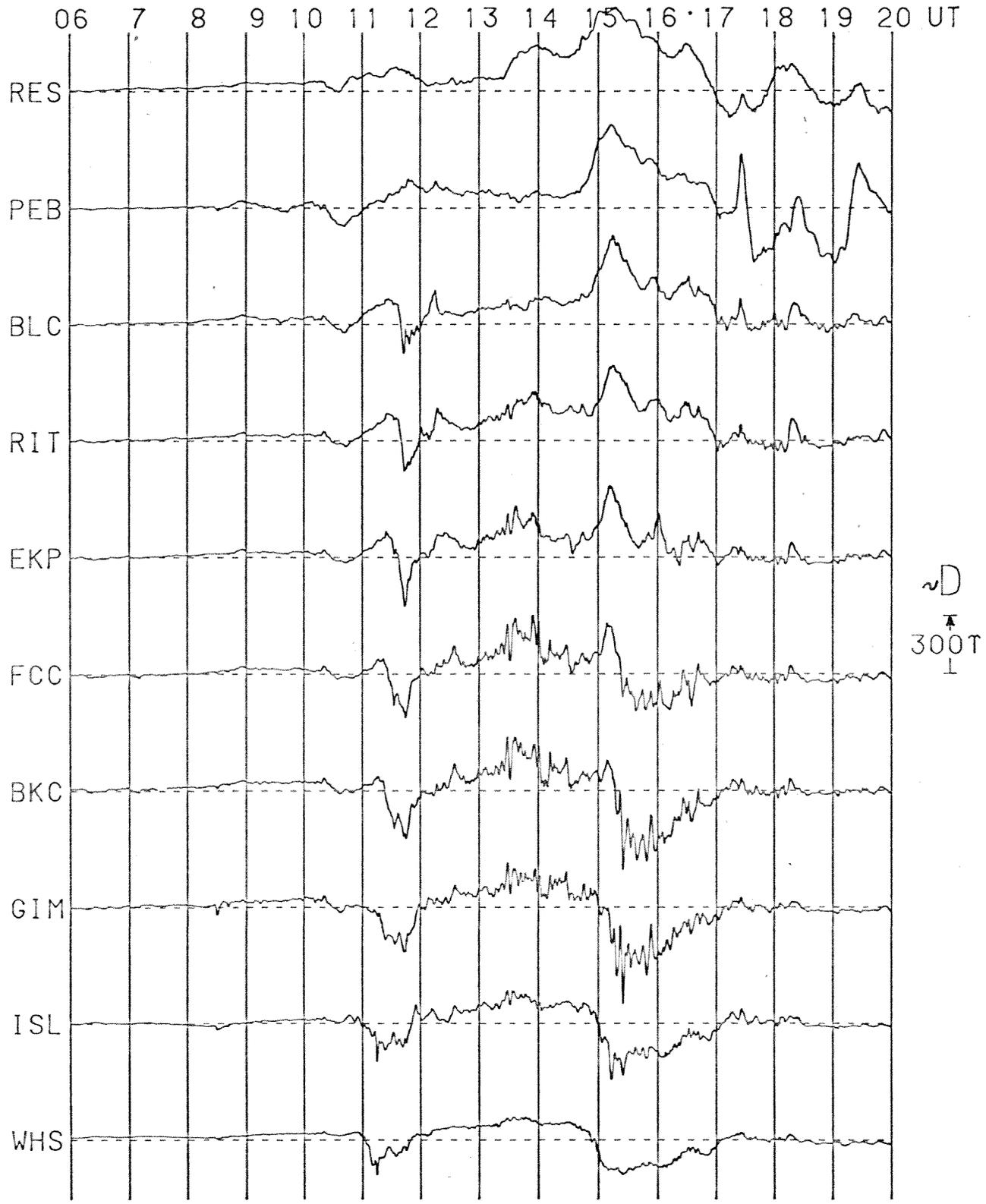
GEOMAGNETIC OBSERVATORIES AND VARIATION STATIONS
OF THE DIVISION OF GEOMAGNETISM
ENERGY, MINES AND RESOURCES CANADA

STATION	LETTER CODE	NUMBER CODE	GEOGRAPHIC COORDINATES		*GEOMAGNETIC COORDINATES	
			LAT. N ^o	LONG. E ^o	LAT. N ^o	LONG. E ^o
+ Alert	ALE	007298	82.5	297.5	85.7	168.7
\ Resolute Bay	RES	015265	74.7	265.1	83.1	287.7
+ Mould Bay	MBC	014241	76.2	240.6	79.1	255.4
\ Pelly Bay	PEB	021270	68.5	270.2	78.7	318.4
+ Cambridge Bay	CBB	021255	69.1	255.0	76.6	294.0
\ Baker Lake	BLC	026264	64.3	264.0	73.9	314.8
\ Rankin Inlet	RIT	027268	62.8	267.9	73.0	322.2
\ Eskimo Point	EKP	029266	61.1	265.9	71.1	320.8
+ Yellowknife	YKC	028246	62.5	245.5	69.1	292.7
\ Fort Churchill	FCC	031266	58.8	265.9	68.8	322.5
\ Back	BKC	032266	57.7	265.8	67.8	323.0
+ Fort Severn	FSV	034272	56.0	272.4	66.8	333.0
+ Great Whale River	GWC	035282	55.3	282.2	66.8	347.2
\ Gillam	GIM	034264	56.4	265.3	66.5	323.1
+ Thompson	TMP	034262	55.7	262.1	65.4	319.3
\ Island Lake	ISL	036265	53.9	265.3	64.0	324.4
+ Meanook	MEA	035247	54.6	246.7	61.9	301.0
\ Whiteshell	WHS	040265	49.8	264.8	59.9	325.3
+ St. John's	STJ	042307	47.6	307.3	58.7	21.4
+ Ottawa	OTT	045284	45.4	284.4	57.0	351.5
+ Victoria	VIC	041237	48.5	236.6	54.3	292.7

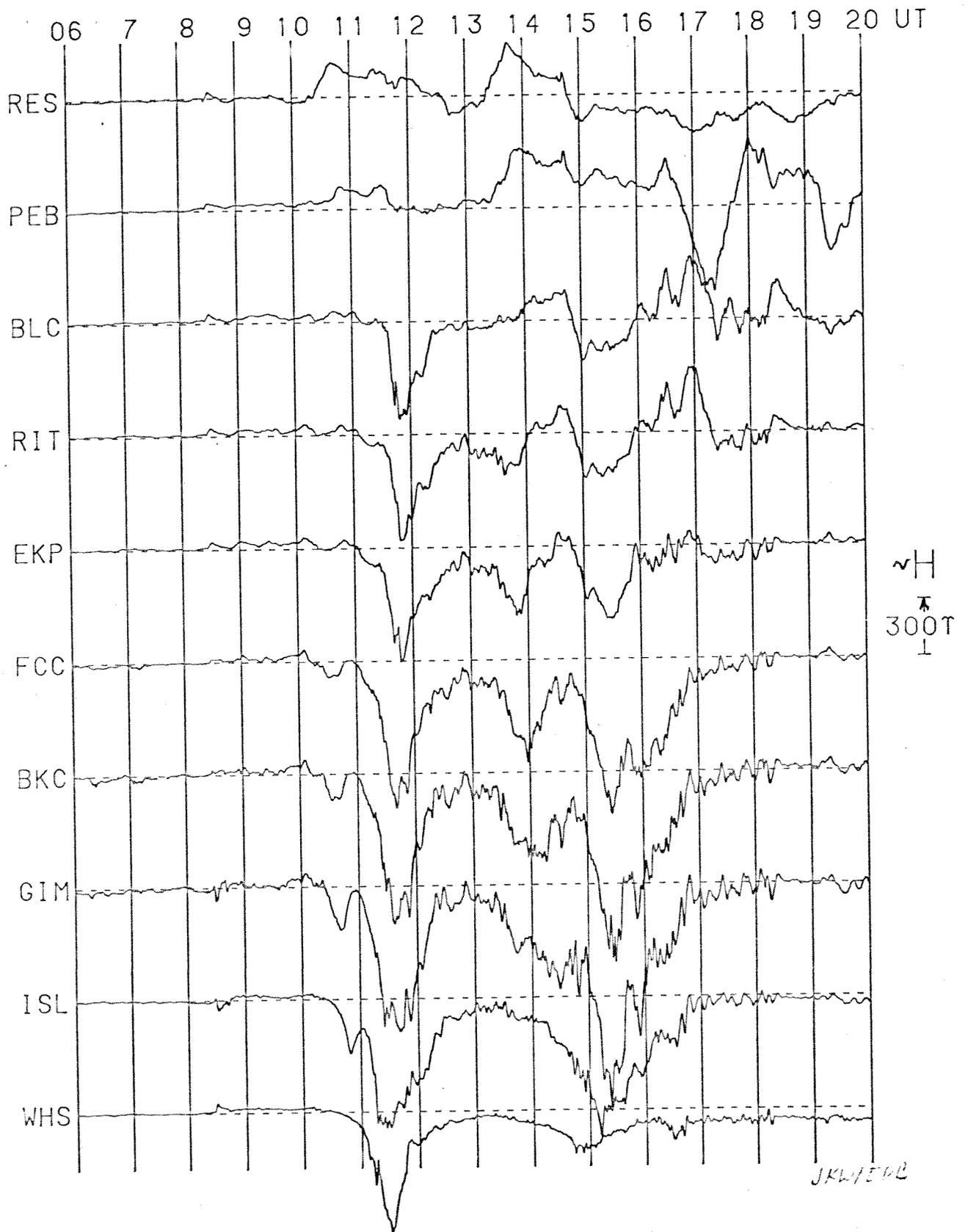
*Assuming Geomagnetic Pole 78.3^oN, 291.0^oE (Finch and Leaton, 1957).

GG-26H
8/25/81
CONAS
J. Walker

22 MAR 1979 CHURCHILL ARRAY

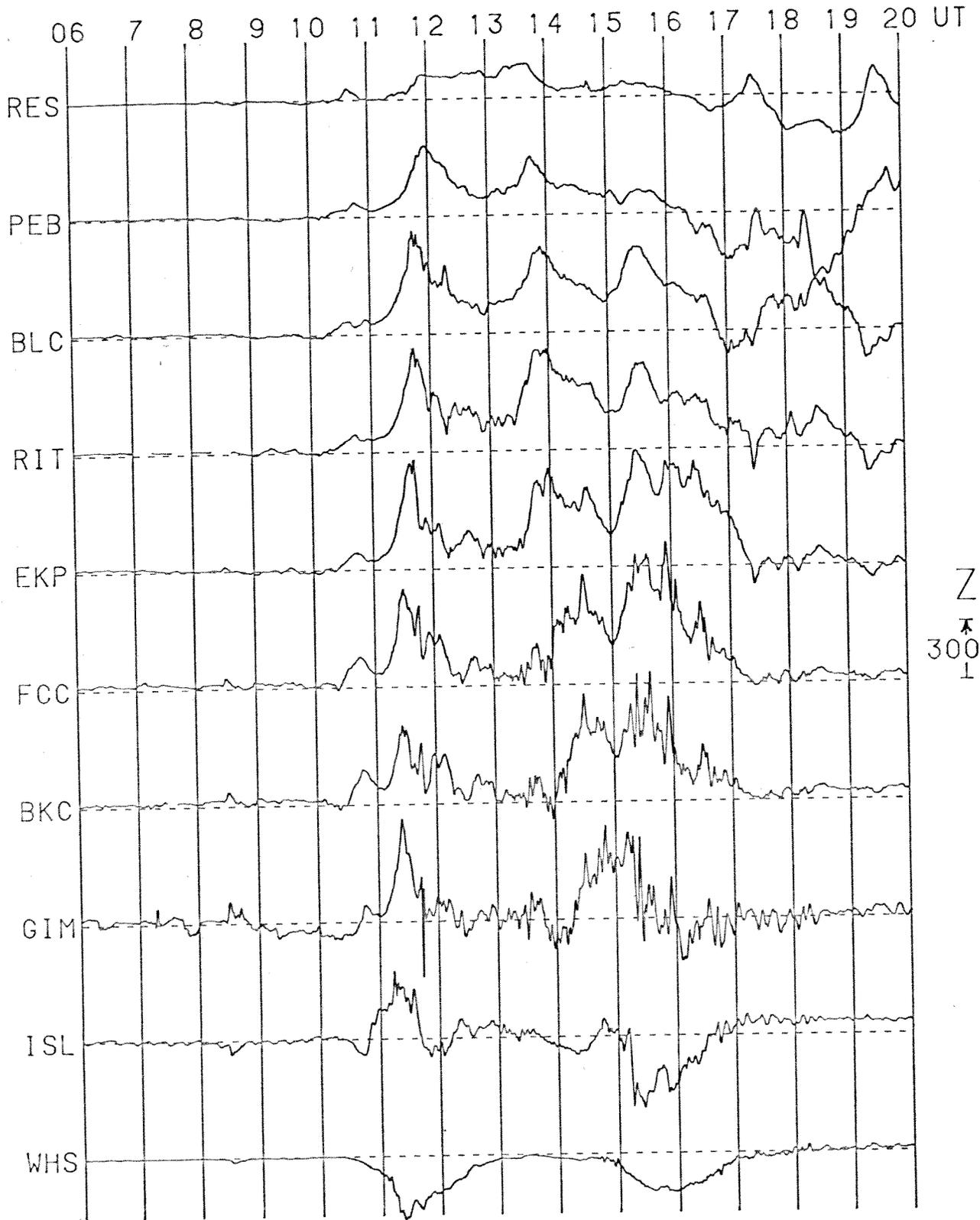


22 MAR 1979 CHURCHILL ARRAY



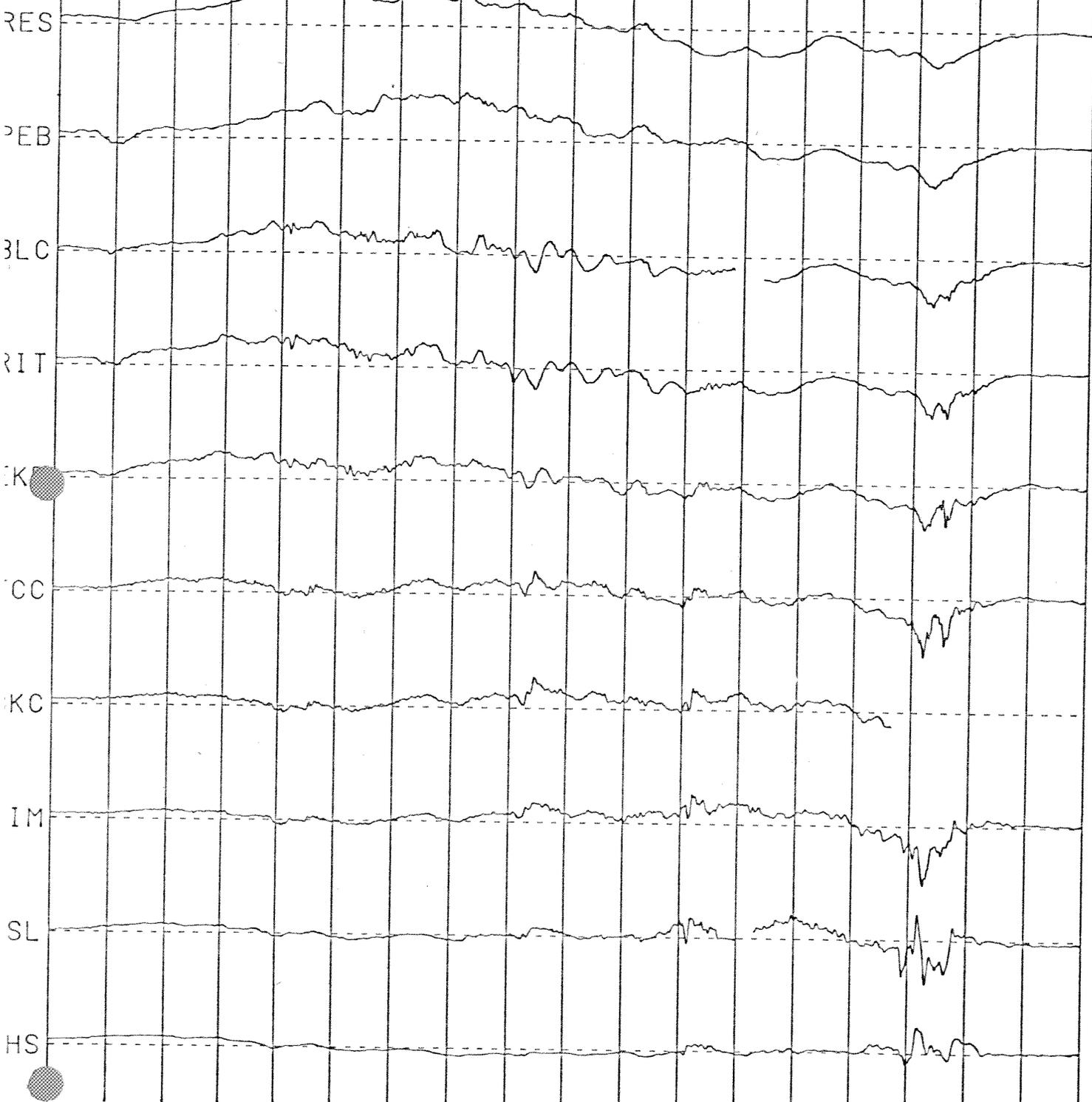
JKW/500

22 MAR 1979 CHURCHILL ARRAY



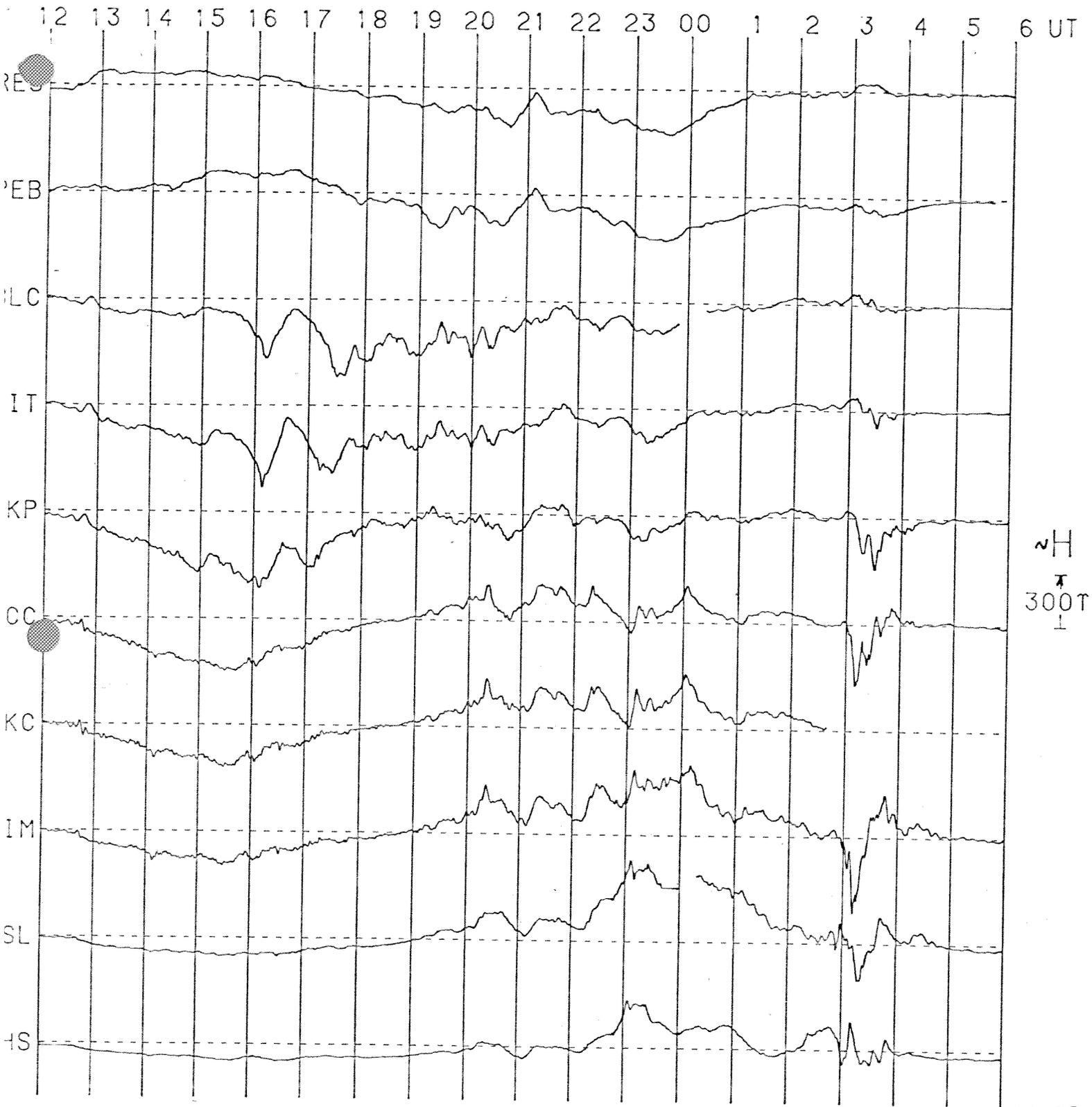
31 MARCH 1979 CHURCHILL ARRAY

12 13 14 15 16 17 18 19 20 21 22 23 00 1 2 3 4 5 6 UT



~D
↑
300T
↓

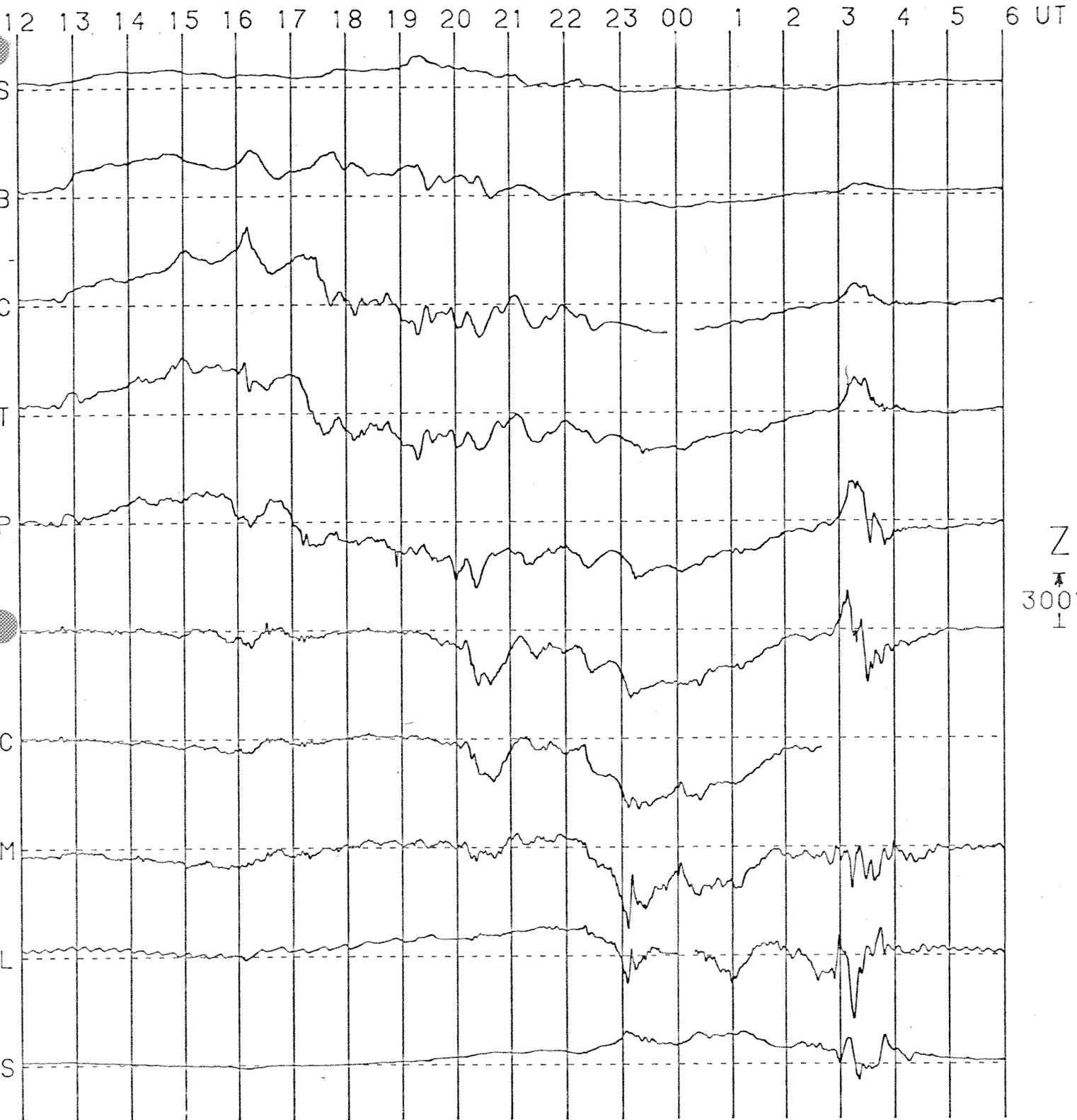
31 MARCH 1979 CHURCHILL ARRAY



~H
↑
300T
↓

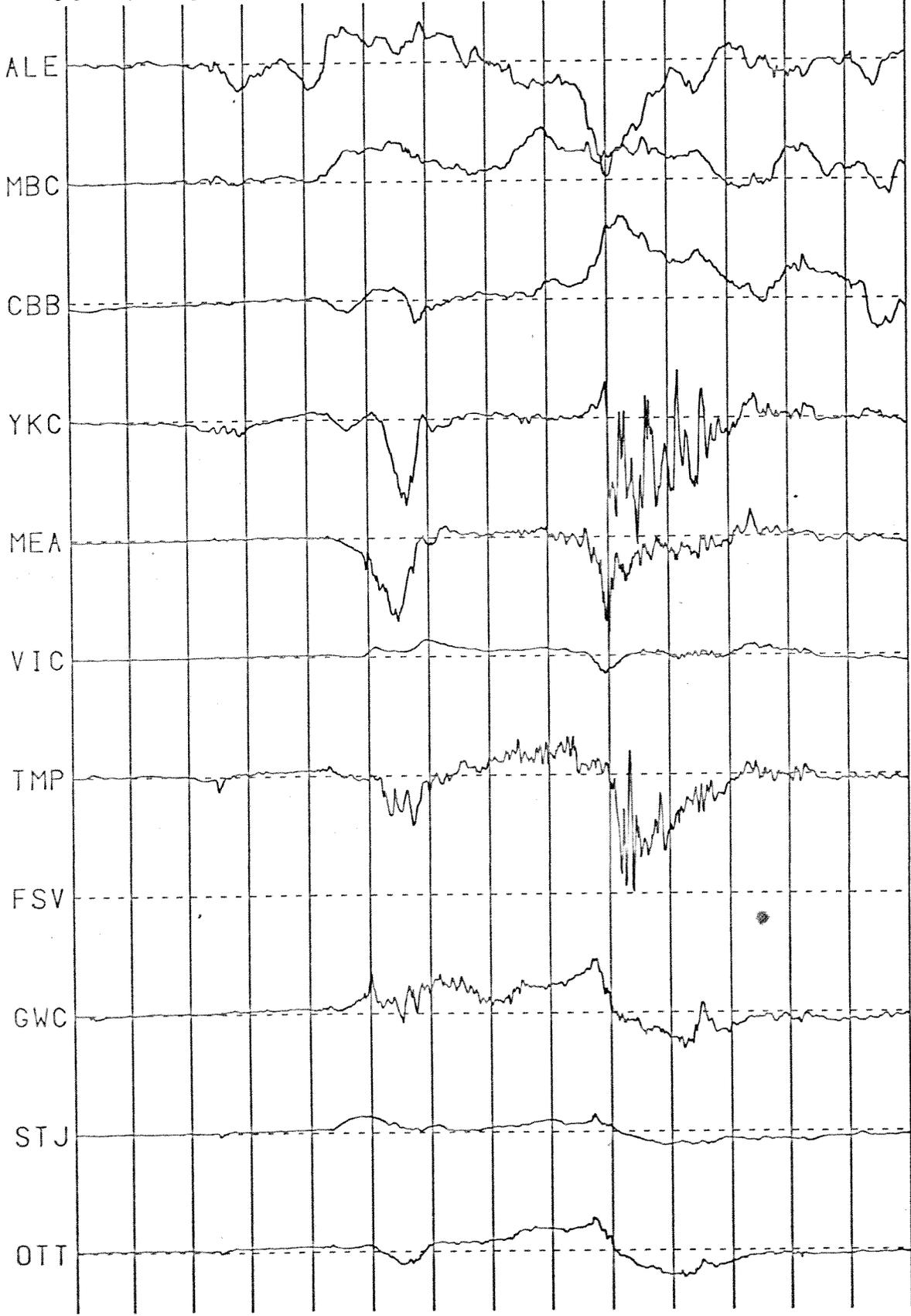
JKW/EPB

31 MARCH 1979 CHURCHILL ARRAY



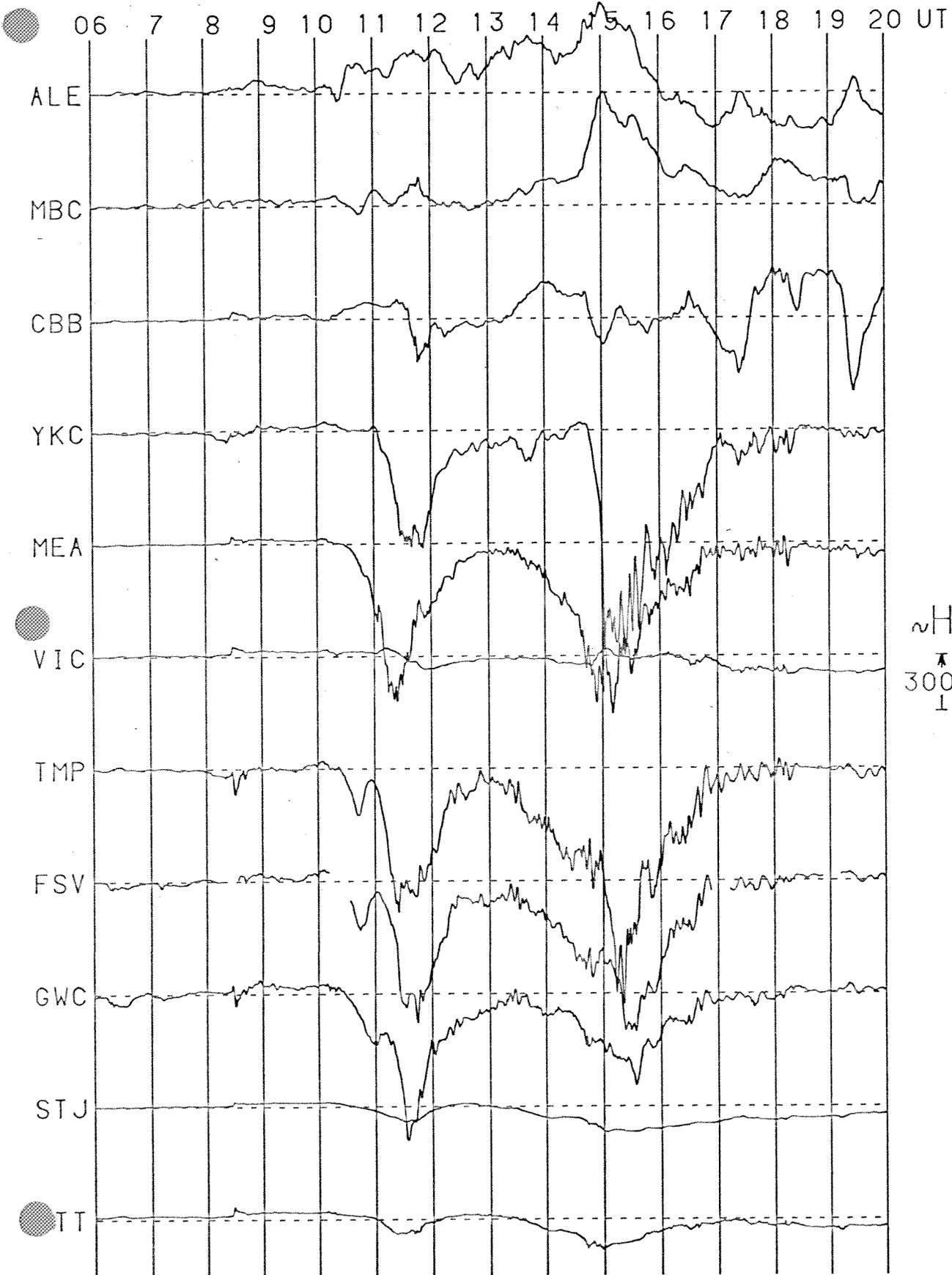
22 MARCH 1979 CAN MAG STNS

06 7 8 9 10 11 12 13 14 15 16 17 18 19 20 UT



~D
↑
300T
↓

22 MARCH 1979 CAN MAG STNS



JKW/EPB

22 MARCH 1979 CAN MAG STNS

06 7 8 9 10 11 12 13 14 15 16 17 18 19 20 UT

ALE

MBC

CBB

YKC

MEA

VIC

TMP

FSV

GWC

STJ

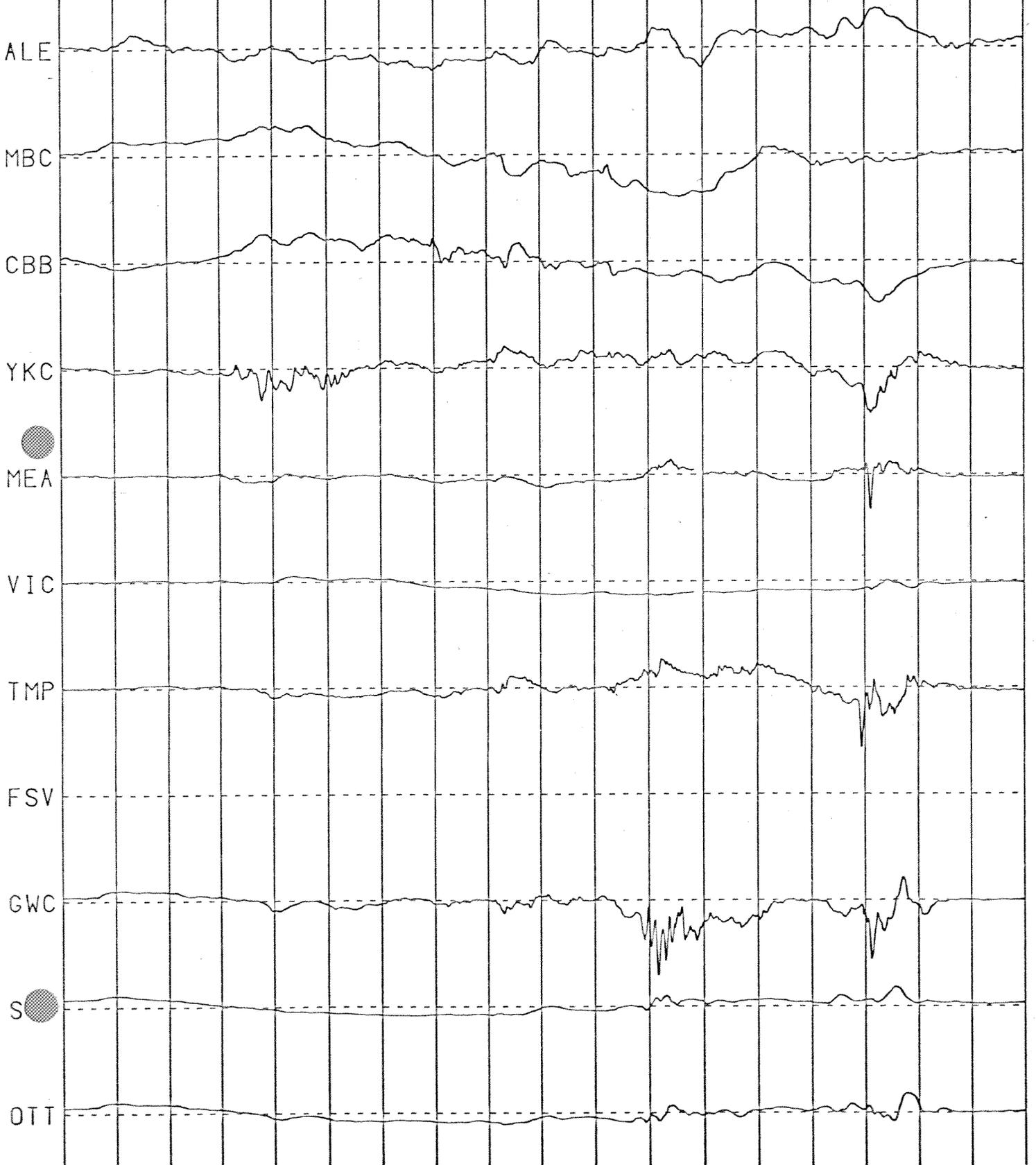
OTT

Z
*
300T
↓



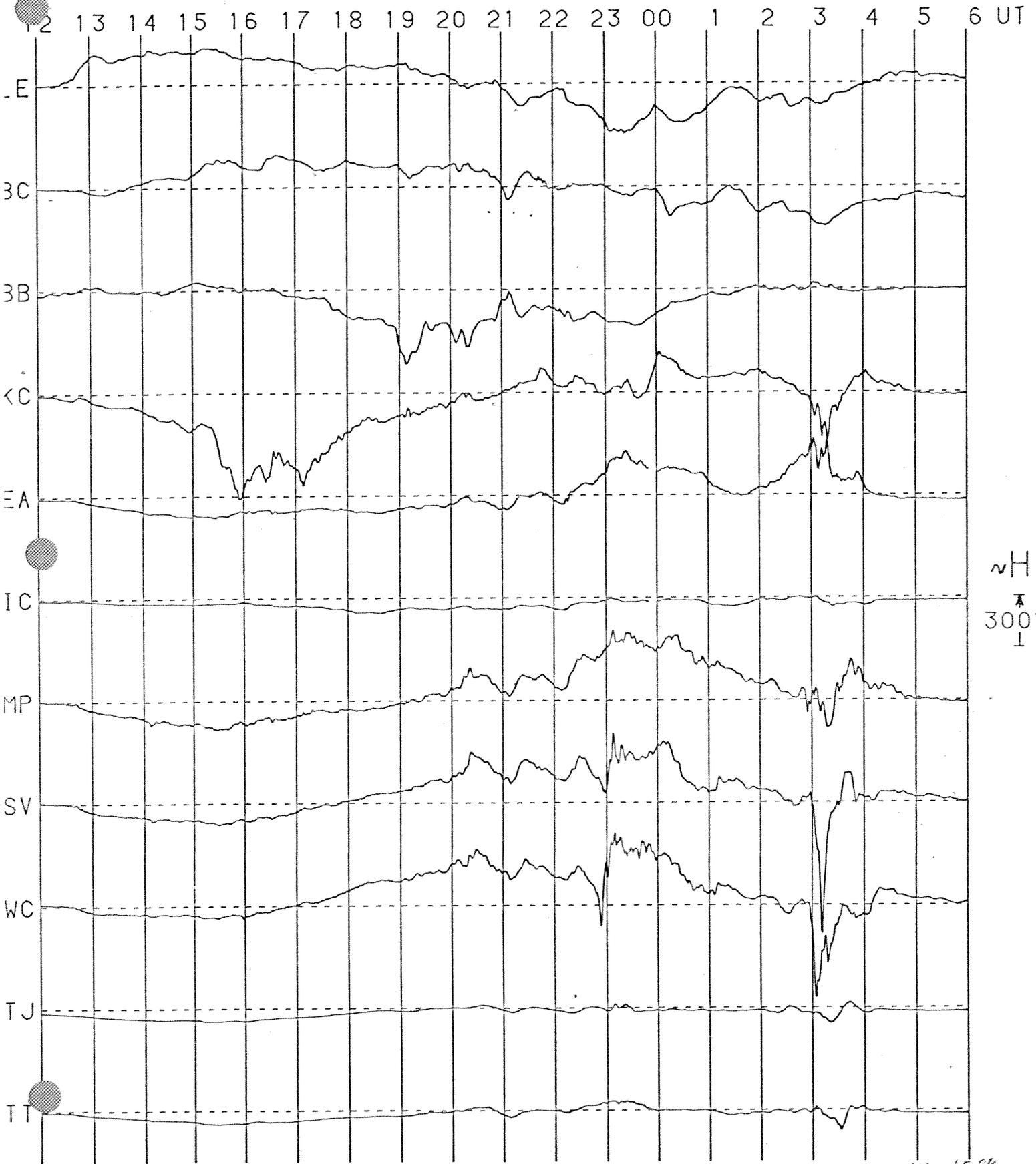
31 MARCH 1979 CAN MAG STNS

12 13 14 15 16 17 18 19 20 21 22 23 00 1 2 3 4 5 6 UT



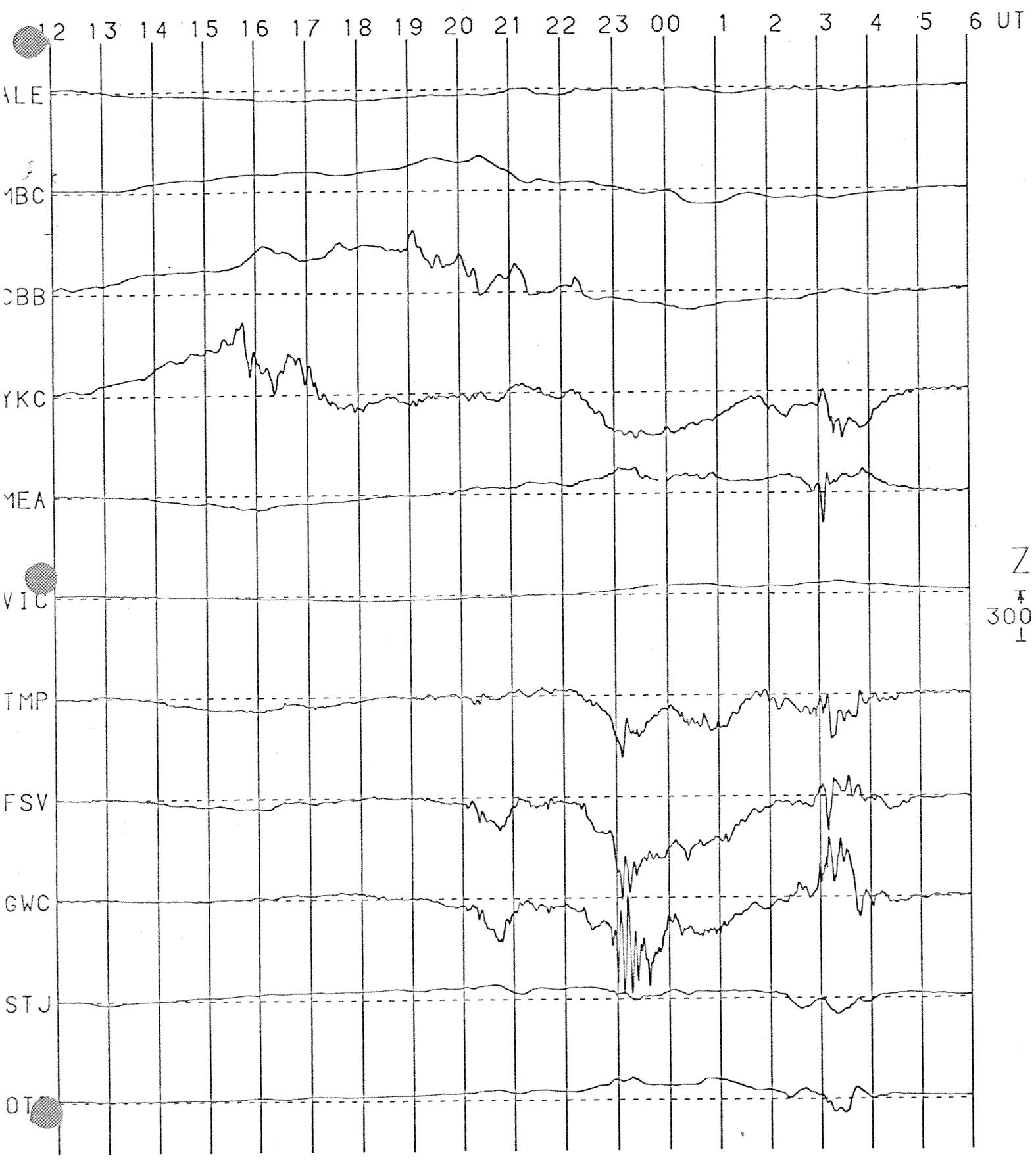
~D
↑
300
↓

31 MARCH 1979 CAN MAG STNS



JKW/EFB

31 MARCH 1979 CAN MAG STNS



Z
↑
300T
↓

D-46012
3/22/89
3/31/79

INPUT TAPE X-404 ON MT2
DATA INPUT H9 FL 1 1 STOP

FILE 1 RECORD 1 LENGTH 1979 5100BYTES 81

(0)	40F1F5F2	F6F54040	F1F9F7F9	40404040	F8F14040	4040F1F9	40404040	40F04040	404040F0	40404040
(40)	40F04040	4040F6F0	404060F7	F3F44040	404040F0	40404040	40F44040	404040F4	40404040	40F44040
(80)	404040F4	40404040	40F44040	404040F4	40404040	40F44040	404040F4	40404040	40F44040	404040F4
(120)	40404040	40F44040	404040F4	40404040	40F24040	404040F2	40404040	40F24040	404040F2	40404040
(160)	40F24040	404040F2	40404040	40F04040	404040F0	40404040	40F04040	404040F2	40404040	40F04040
(200)	404040F2	40404040	40F24040	404040F4	40404040	40F44040	404040F6	40404040	40F64040	404040F6
(240)	40404040	40F64040	404040F6	40404040	40F84040	404040F8	40404040	40F84040	404040F8	40404040
(280)	40F64040	404040F6	40404040	40F64040	404040F6	40404040	40F64040	404040F8	40404040	40F84040
(320)	4040F1F0	40404040	F1F04040	4040F1F0	40404040	F1F04040	4040F1F0	40404040	40F84040	404040F8
(360)	40404040	F1F04040	4040F1F0	40404040	F1F24040	4040F1F2	40404040	F1F24040	4040F1F4	40404040
(400)	F1F44040	4040F1F4	40404040	F1F64040	4040F1F6	40404040	F1F44040	4040F1F4	40404040	F1F44040
(440)	4040F1F2	40404040	F1F44040	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F64040	4040F1F8
(480)	40404040	F1F84040	4040F1F8	40404040	F1F64040	4040F1F6	40404040	F1F64040	4040F1F6	40404040
(520)	F1F64040	4040F1F6	40404040	F1F64040	4040F1F6	40404040	F1F64040	4040F1F4	40404040	F1F24040
(560)	4040F1F2	40404040	F1F24040	4040F1F2	40404040	F1F24040	4040F1F2	40404040	F1F24040	4040F1F2
(600)	40404040	F1F04040	404040F8	40404040	40F84040	404040F8	40404040	F1F04040	4040F1F2	40404040
(640)	F1F24040	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F44040
(680)	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F64040	4040F1F6
(720)	40404040	F1F84040	4040F1F8	40404040	F1F84040	4040F1F6	40404040	F1F64040	4040F1F6	40404040
(760)	F1F44040	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F44040
(800)	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F44040	4040F1F4	40404040	F1F44040	4040F1F4
(840)	40404040	F1F44040	4040F1F4	40404040	F1F64040	4040F1F6	40404040	F1F84040	4040F2F0	40404040
(880)	F2F24040	4040F2F2	40404040	F2F24040	4040F2F2	40404040	F2F24040	4040F2F2	40404040	F2F24040
(920)	4040F2F4	40404040	F2F44040	4040F2F2	40404040	F2F24040	4040F1F8	40404040	F2F64040	4040F2F7
(960)	40404040	F2F24040	4040F2F2	40404040	F2F44040	4040F2F6	40404040	F2F74040	4040F2F7	40404040
(1000)	F2F74040	4040F2F7	40404040	F2F64040	4040F2F6	40404040	F2F44040	4040F2F2	40404040	F2F04040
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(1080)	40404040	F3F14040	4040F3F5	40404040	F3F74040	4040F3F7	40404040	F3F94040	4040F4F1	40404040
(1120)	F4F14040	4040F4F3	40404040	F4F14040	4040F4F1	40404040	F4F54040	4040F4F5	40404040	F4F34040
(1160)	4040F4F3	40404040	F4F14040	4040F3F9	40404040	F3F94040	4040F4F1	40404040	F4F14040	4040F4F1
(1200)	40404040	F4F14040	4040F4F3	40404040	F4F34040	4040F4F1	40404040	F3F94040	4040F3F7	40404040
(1240)	F3F94040	4040F3F9	40404040	F3F94040	4040F3F7	40404040	F3F74040	4040F3F5	40404040	F3F54040
(1280)	4040F3F7	40404040	F3F94040	4040F3F9	40404040	F4F14040	4040F3F9	40404040	F3F94040	4040F3F9
(1320)	40404040	F4F14040	4040F4F1	40404040	F4F14040	4040F4F1	40404040	F4F14040	4040F3F9	40404040
(1360)	F3F74040	4040F3F7	40404040	F3F74040	4040F3F7	40404040	F3F74040	4040F3F9	40404040	F4F14040
(1400)	4040F4F1	40404040	F4F34040	4040F4F5	40404040	F4F34040	4040F4F3	40404040	F4F34040	4040F4F3
(1440)	40404040	F4F14040	4040F3F9	40404040	F3F94040	4040F3F9	40404040	F3F94040	4040F3F7	40404040
(1480)	F3F74040	4040F3F7	40404040	F3F74040	4040F3F5	40404040	F3F74040	4040F4F1	40404040	F4F14040
(1520)	4040F4F3	40404040	F4F74040	4040F4F9	40404040	F4F94040	4040F4F7	40404040	F4F74040	4040F4F9
(1560)	40404040	F5F34040	4040F5F1	40404040	F4F74040	4040F4F7	40404040	F4F74040	4040F4F9	40404040
(1600)	F5F34040	4040F5F1	40404040	F4F74040	4040F4F9	40404040	F4F94040	4040F4F1	40404040	F2F94040
(1640)	4040F2F2	40404040	F2F24040	4040F2F0	40404040	F1F84040	4040F1F6	40404040	F1F64040	4040F1F2
(1680)	40404040	40F64040	404040F4	40404040	40F44040	404040F0	40404040	60F24040	404060F4	40404040
(1720)	60F64040	404060F2	40404040	40F44040	4040F1F8	40404040	F2F44040	4040F3F1	40404040	F3F74040
(1760)	4040F4F1	40404040	F4F94040	4040F5F9	40404040	F6F54040	4040F7F0	40404040	F7F44040	4040F7F6
(1800)	40404040	F7F64040	4040F7F4	40404040	F7F04040	4040F6F5	40404040	F6F14040	4040F6F3	40404040
(1840)	F6F54040	4040F6F8	40404040	F7F24040	4040F7F0	40404040	F7F24040	4040F7F6	40404040	F8F24040
(1880)	4040F8F6	40404040	F8F84040	4040F9F0	40404040	F9F24040	4040F9F4	40404040	F9F24040	4040F8F6
(1920)	40404040	F8F24040	4040F8F0	40404040	F7F84040	4040F8F0	40404040	F7F84040	4040F7F6	40404040
(1960)	F7F44040	4040F7F0	40404040	F7F24040	4040F7F2	40404040	F7F24040	4040F7F2	40404040	F7F84040
(2000)	4040F8F4	40404040	F9F24040	4040F9F6	404040F1	F0F24040	40F1F1F0	404040F1	F1F34040	40F1F1F3
(2040)	404040F1	F1F54040	40F1F1F7	404040F1	F1F74040	40F1F2F1	404040F1	F2F14040	40F1F2F3	404040F1
(2080)	F1F34040	40F1F0F6	404040F1	F1F04040	40F1F1F0	404040F1	F1F34040	40F1F0F8	404040F1	F0F04040
(2120)	40F1F1F0	404040F1	F0F24040	4040F8F8	404040F1	F0F44040	4040F9F8	40404040	F9F84040	4040F8F0
(2160)	40404040	F8F04040	4040F8F6	40404040	F8F24040	4040F7F2	40404040	F6F54040	4040F6F3	40404040
(2200)	F6F74040	4040F6F5	40404040	F6F14040	4040F6F1	40404040	F5F74040	4040F5F5	40404040	F4F94040
(2240)	4040F4F3	40404040	F3F74040	4040F3F3	40404040	F2F94040	4040F2F7	40404040	F2F64040	4040F2F7

(2360)	4040F3F7	40404040	F3F54040	4040F3F9	40404040	F3F94040	4040F3F7	40404040	F4F34040	4040F4F9
(2400)	40404040	F5F74040	4040F6F5	40404040	F6F74040	4040F6F3	40404040	F5F34040	4040F4F1	40404040
(2440)	F3F34040	4040F3F1	40404040	F3F74040	4040F4F1	40404040	F4F94040	4040F5F5	40404040	F4F94040
(2480)	4040F4F1	40404040	F3F94040	4040F4F1	40404040	F4F14040	4040F4F7	40404040	F5F14040	4040F4F7
(2520)	40404040	F4F54040	4040F4F5	40404040	F5F14040	4040F6F1	40404040	F6F74040	4040F6F5	40404040
(2560)	F6F74040	4040F6F7	40404040	F6F74040	4040F6F7	40404040	F6F84040	4040F6F8	40404040	F6F84040
(2600)	4040F7F0	40404040	F7F04040	4040F6F7	40404040	F6F14040	4040F5F9	40404040	F5F94040	4040F6F7
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(2760)	404040F1	F2F94040	40F1F4F1	404040F1	F4F54040	40F1F5F6	404040F1	F6F64040	40F1F7F0	404040F1
(2800)	F6F84040	40F1F7F0	404040F1	F7F84040	40F1F9F3	404040F2	F0F14040	40F2F0F1	404040F2	F0F54040
(2840)	40F2F0F3	404040F2	F0F14040	40F1F9F5	404040F1	F9F54040	40F1F9F9	404040F1	F9F94040	40F2F0F5
(2880)	404040F2	F1F54040	40F2F2F1	404040F2	F2F54040	40F2F2F3	404040F2	F2F54040	40F2F2F9	404040F2
(2920)	F3F34040	40F2F3F6	404040F2	F3F14040	40F2F3F1	404040F2	F2F94040	40F2F2F3	404040F2	F1F74040
(2960)	40F2F1F3	404040F2	F1F34040	40F2F2F3	404040F2	F2F34040	40F2F1F1	404040F2	F1F34040	40F2F1F3
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(3040)	F8F64040	40F1F9F5	404040F1	F9F34040	40F1F8F6	404040F1	F7F64040	40F1F7F4	404040F1	F7F64040
(3080)	40F1F7F2	404040F1	F7F64040	40F1F7F4	404040F1	F7F44040	40F1F7F4	404040F1	F7F44040	40F1F7F4
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(3160)	F9F34040	40F2F1F1	404040F2	F1F14040	40F2F1F3	404040F2	F1F14040	40F2F3F8	404040F2	F6F84040
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(3240)	404040F2	F9F14040	40F3F0F5	404040F3	F1F14040	40F3F0F9	404040F3	F1F84040	40F3F4F2	404040F3
(3280)	F6F54040	40F3F8F1	404040F3	F9F74040	40F4F0F4	404040F4	F1F04040	40F4F1F2	404040F4	F1F04040
(3320)	40F4F0F4	404040F4	F0F24040	40F4F0F4	404040F4	F0F44040	40F3F9F9	404040F4	F0F24040	40F4F0F6
(3360)	404040F4	F0F64040	40F4F1F0	404040F4	F1F64040	40F4F1F4	404040F4	F2F04040	40F4F2F8	404040F4
(3400)	F2F84040	40F4F2F6	404040F4	F1F64040	40F4F1F2	404040F4	F0F64040	40F4F0F4	404040F3	F9F14040
(3440)	40F3F8F1	404040F3	F6F94040	40F3F6F7	404040F3	F6F14040	40F3F5F4	404040F3	F5F64040	40F3F6F3
(3480)	404040F3	F6F54040	40F3F6F5	404040F3	F6F14040	40F3F6F1	404040F3	F6F14040	40F3F6F3	404040F3
(3520)	F6F14040	40F3F5F0	404040F3	F3F84040	40F3F2F6	404040F3	F1F34040	40F2F9F5	404040F2	F7F74040
(3560)	40F2F7F2	404040F2	F6F84040	40F2F7F6	404040F2	F7F94040	40F2F7F6	404040F2	F7F74040	40F2F7F6
(3600)	404040F2	F7F44040	40F2F7F4	404040F2	F7F04040	40F2F6F8	404040F2	F6F84040	40F2F6F2	404040F2
(3640)	F5F44040	40F2F5F2	404040F2	F4F64040	40F2F3F8	404040F2	F2F94040	40F2F1F7	404040F2	F0F54040
(3680)	40F1F9F9	404040F1	F9F24040	40F1F9F2	404040F1	F9F54040	40F1F9F0	404040F1	F7F84040	40F1F7F0
(3720)	404040F1	F7F64040	40F1F7F4	404040F1	F7F24040	40F1F6F8	404040F1	F7F04040	40F1F6F8	404040F1
(3760)	F7F44040	40F1F8F0	404040F1	F8F24040	40F1F9F0	404040F2	F0F14040	40F2F0F9	404040F1	F9F74040
(3800)	40F2F0F5	404040F2	F1F54040	40F2F3F3	404040F2	F3F54040	40F2F4F4	404040F2	F4F24040	40F2F4F0
(3840)	404040F2	F3F64040	40F2F3F3	404040F2	F2F94040	40F2F1F1	404040F2	F0F74040	40F1F9F9	404040F1
(3880)	F8F84040	40F1F8F6	404040F1	F8F04040	40F1F6F8	404040F1	F6F04040	40F1F5F8	404040F1	F5F24040
(3920)	40F1F4F1	404040F1	F3F54040	40F1F2F1	404040F1	F0F64040	4040F9F2	40404040	F7F64040	4040F6F8
(3960)	40404040	F6F14040	4040F5F1	40404040	F4F54040	4040F2F9	40404040	F2F04040	4040F2F2	40404040
(4000)	F1F04040	4060F1F2	40404060	F1F94040	4060F3F3	40404060	F4F54040	4060F5F7	40404060	F7F04040
(4040)	4060F7F6	40404060	F8F04040	4060F7F6	40404060	F8F24040	4060F9F2	404060F1	F0F14040	60F1F0F7
(4080)	404060F1	F0F54040	60F1F1F1	404060F1	F3F34040	60F1F3F9	404060F1	F2F54040	60F1F3F3	404060F1
(4120)	F2F14040	60F1F1F7	404060F1	F1F74040	60F1F1F7	40404060	F9F94040	4060F9F4	40404060	F7F84040
(4160)	4060F7F2	40404060	F4F74040	4060F2F1	40404060	F1F74040	4060F2F1	40404060	F3F74040	4060F5F7
(4200)	40404060	F6F84040	4060F7F8	40404060	F8F84040	4060F8F6	40404060	F9F24040	4060F9F8	404060F1
(4240)	F0F74040	60F1F0F3	40404060	F9F44040	60F1F1F3	40404060	F8F84040	4060F8F2	40404060	F7F84040
(4280)	4060F8F4	40404060	F8F04040	4060F7F2	40404060	F7F04040	4060F5F5	40404060	F2F94040	4060F2F3
(4320)	40404060	F3F14040	4060F2F9	40404040	60F24040	4040F1F4	40404040	F2F44040	4040F3F9	40404040
(4360)	F4F94040	4040F6F3	40404040	F6F54040	4040F8F4	404040F1	F0F84040	40F1F1F3	404040F1	F2F34040
(4400)	40F1F2F5	404040F1	F1F04040	40F1F0F8	404040F1	F1F94040	40F1F2F5	404040F1	F3F14040	40F1F2F5
(4440)	404040F1	F0F84040	40F1F0F0	404040F1	F0F84040	40F1F1F1	404040F1	F1F94040	40F1F3F3	404040F1
(4480)	F3F34040	40F1F4F1	404040F1	F2F94040	40F1F2F7	404040F1	F2F34040	40F1F1F3	404040F1	F1F14040
(4520)	40F1F0F0	40404040	F8F44040	4040F8F4	40404040	F8F24040	4040F7F6	40404040	F7F04040	4040F6F3
(4560)	40404040	F5F54040	4040F4F1	40404040	F3F34040	4040F2F7	40404040	F2F24040	4040F1F4	40404040
(4600)	40F64040	404040F8	40404040	F1F24040	404040F0	40404040	60F84040	4060F1F5	40404060	F1F94040
(4640)	4060F4F3	40404060	F4F54040	4060F5F3	40404060	F6F44040	4060F6F8	40404060	F5F84040	4060F5F5
(4680)	40404060	F5F84040	4060F6F8	40404060	F7F44040	4060F6F6	40404060	F6F44040	4060F6F6	40404060
(4720)	F5F34040	4060F6F6	40404060	F7F04040	4060F8F2	40404060	F8F64040	4060F7F4	40404060	F7F04040
(4760)	4060F6F2	40404060	F7F04040	4060F7F8	40404060	F7F04040	4060F5F1	40404060	F4F74040	4060F4F9
(4800)	40404060	F4F94040	4060F5F1	40404060	F4F94040	4060F3F9	40404060	F3F54040	4060F3F3	40404060
(4840)	F3F14040	4060F1F7	40404060	F1F44040	404060F4	40404040	F1F04040	4040F2F7	40404040	F2F04040
(4880)	4040F2F6	40404040	F2F94040	4040F3F1	40404040	F3F54040	4040F4F1	40404040	F2F94040	4040F1F8

(5000) 4060F9F2 404060F1 F0F74040 60F1F1F7 404060F1 F1F74040 4060F9F4 40404060 F9F24040 4060F8F8
(5040) 40404060 F9F64040 4060F8F8 40404060 F8F84040 4060F8F2 40404060 F8F44040 4060F9F0 40404060
(5080) F9F94040 60F1F0F5 404060F1 F0F54040 60F1F1F1

EOJ STOP REQUESTED IN FILE 1

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 08/28/81 12:30:35 STOP TIME 08/28/81 12:30:45

D-46012
4/1/79

INPUT TAPE X408 ON MT1
DATA INPUT H9 SR 1 64 STOP

FILE	1	RECORD	LEN	1979	6540BYTES	91					
(0)	40F1F5F2	F6F54040	F1F9F7F9	40404040	F9F14040	404040F5	40404040	40F04040	404040F0	40404040	
(40)	40F04040	4040F6F0	404060F7	F3F54040	404040F0	40404040	F3F64040	4040F3F8	40404040	F3F84040	
(80)	4040F4F0	40404040	F4F24040	4040F4F4	40404040	F4F44040	4040F4F4	40404040	F4F44040	4040F4F2	
(120)	40404040	F4F04040	4040F3F8	40404040	F3F84040	4040F3F6	40404040	F3F84040	4040F3F8	40404040	
(160)	F4F04040	4040F4F2	40404040	F4F44040	4040F4F4	40404040	F4F44040	4040F4F2	40404040	F4F04040	
(200)	4040F3F8	40404040	F3F64040	4040F3F6	40404040	F3F84040	4040F3F8	40404040	F3F84040	4040F4F0	
(240)	40404040	F4F04040	4040F4F0	40404040	F4F24040	4040F4F0	40404040	F4F04040	4040F3F8	40404040	
(280)	F3F84040	4040F3F8	40404040	F3F84040	4040F3F8	40404040	F3F64040	4040F3F4	40404040	F3F44040	
(320)	4040F3F2	40404040	F3F24040	4040F3F0	40404040	F3F24040	4040F3F4	40404040	F3F24040	4040F3F0	
(360)	40404040	F3F24040	4040F3F0	40404040	F3F04040	4040F2F8	40404040	F2F54040	4040F2F5	40404040	
(400)	F2F74040	4040F2F7	40404040	F2F54040	4040F2F5	40404040	F2F34040	4040F2F3	40404040	F2F34040	
(440)	4040F2F1	40404040	F2F14040	4040F2F1	40404040	F2F14040	4040F1F9	40404040	F1F74040	4040F1F7	
(480)	40404040	F1F74040	4040F1F9	40404040	F1F94040	4040F1F7	40404040	F1F54040	4040F1F5	40404040	
(520)	F1F54040	4040F1F3	40404040	F1F54040	4040F1F7	40404040	F1F94040	4040F2F1	40404040	F2F54040	
(560)	4040F2F7	40404040	F2F84040	4040F2F8	40404040	F2F84040	4040F3F2	40404040	F3F44040	4040F3F6	
(600)	40404040	F3F84040	4040F4F0	40404040	F4F24040	4040F4F4	40404040	F4F84040	4040F4F8	40404040	
(640)	F5F04040	4040F5F0	40404040	F5F24040	4040F5F2	40404040	F5F44040	4040F5F6	40404040	F5F84040	
(680)	4040F5F8	40404040	F5F84040	4040F6F0	40404040	F6F44040	4040F6F4	40404040	F6F44040	4040F6F4	
(720)	40404040	F6F44040	4040F6F6	40404040	F6F64040	4040F6F9	40404040	F6F94040	4040F6F8	40404040	
(760)	F6F94040	4040F7F1	40404040	F7F14040	4040F7F3	40404040	F7F54040	4040F7F5	40404040	F7F74040	
(800)	4040F7F5	40404040	F7F34040	4040F7F3	40404040	F7F54040	4040F7F5	40404040	F7F54040	4040F7F3	
(840)	40404040	F7F34040	4040F7F7	40404040	F7F54040	4040F7F5	40404040	F7F54040	4040F7F7	40404040	
(880)	F7F94040	4040F7F9	40404040	F8F14040	4040F7F9	40404040	F7F54040	4040F7F5	40404040	F7F34040	
(920)	4040F7F3	40404040	F7F34040	4040F7F5	40404040	F7F74040	4040F7F7	40404040	F7F94040	4040F7F9	
(960)	40404040	F8F34040	4040F8F5	40404040	F8F94040	4040F9F1	40404040	F9F14040	4040F9F3	40404040	
(1000)	F9F14040	4040F8F9	40404040	F8F94040	4040F8F9	40404040	F8F94040	4040F9F1	40404040	F9F14040	
(1040)	4040F9F3	40404040	F9F54040	4040F9F5	40404040	F9F54040	4040F9F7	404040F1	F0F14040	40F1F0F1	
(1080)	404040F1	F0F14040	40F1F0F3	404040F1	F0F94040	40F1F0F7	404040F1	F0F34040	40F1F0F5	404040F1	
(1120)	F0F94040	40F1F1F2	404040F1	F1F44040	40F1F1F8	404040F1	F1F84040	40F1F1F8	404040F1	F2F04040	
(1160)	40F1F1F8	404040F1	F2F04040	40F1F2F2	404040F1	F2F24040	40F1F2F2	404040F1	F2F64040	40F1F2F8	
(1200)	404040F1	F2F84040	40F1F3F0	404040F1	F3F44040	40F1F3F6	404040F1	F4F04040	40F1F4F4	404040F1	
(1240)	F4F64040	40F1F5F0	404040F1	F5F34040	40F1F5F3	404040F1	F5F34040	40F1F5F3	404040F1	F5F34040	
(1280)	40F1F5F7	404040F1	F5F74040	40F1F5F5	404040F1	F5F54040	40F1F5F9	404040F1	F6F54040	40F1F6F7	
(1320)	404040F1	F6F74040	40F1F6F7	404040F1	F6F74040	40F1F7F1	404040F1	F7F34040	40F1F7F5	404040F1	
(1360)	F7F54040	40F1F7F7	404040F1	F7F74040	40F1F7F7	404040F1	F8F14040	40F1F8F5	404040F1	F8F54040	
(1400)	40F1F8F7	404040F1	F8F94040	40F1F9F1	404040F1	F8F94040	40F1F8F5	404040F1	F8F34040	40F1F8F1	
(1440)	404040F1	F7F94040	40F1F7F5	404040F1	F7F34040	40F1F7F3	404040F1	F7F34040	40F1F7F1	404040F1	
(1480)	F6F74040	40F1F6F5	404040F1	F6F34040	40F1F6F1	404040F1	F6F14040	40F1F6F3	404040F1	F6F74040	
(1520)	40F1F7F5	404040F1	F7F34040	40F1F6F7	404040F1	F6F74040	40F1F6F5	404040F1	F6F74040	40F1F6F5	
(1560)	404040F1	F6F74040	40F1F6F5	404040F1	F6F34040	40F1F6F1	404040F1	F5F94040	40F1F5F9	404040F1	
(1600)	F5F34040	40F1F5F3	404040F1	F5F54040	40F1F5F7	404040F1	F5F74040	40F1F5F7	404040F1	F5F74040	
(1640)	40F1F6F1	404040F1	F6F54040	40F1F6F9	404040F1	F7F14040	40F1F7F5	404040F1	F8F14040	40F1F8E7	
(1680)	404040F1	F8F94040	40F1F9F3	404040F1	F9F34040	40F1F9F3	404040F1	F9F44040	40F2F0F0	404040F2	
(1720)	F0F64040	40F2F1F0	404040F2	F1F24040	40F2F1F4	404040F2	F1F64040	40F2F2F0	404040F2	F2F04040	
(1760)	40F2F2F0	404040F2	F1F84040	40F2F2F0	404040F2	F2F24040	40F2F2F0	404040F2	F1F44040	40F2F0F8	
(1800)	404040F2	F0F24040	40F2F0F0	404040F1	F9F84040	40F1F9F6	404040F1	F9F34040	40F1F9F1	404040F1	
(1840)	F8F94040	40F1F8F5	404040F1	F8F14040	40F1F7F9	404040F1	F8F14040	40F1F7F7	404040F1	F7F74040	
(1880)	40F1F7F7	404040F1	F7F74040	40F1F7F5	404040F1	F7F14040	40F1F6F5	404040F1	F6F14040	40F1F5F5	
(1920)	404040F1	F5F04040	40F1F4F6	404040F1	F5F04040	40F1F5F3	404040F1	F5F34040	40F1F5F0	404040F1	
(1960)	F4F84040	40F1F4F2	404040F1	F4F04040	40F1F4F0	404040F1	F4F24040	40F1F4F4	404040F1	F4F44040	
(2000)	40F1F4F4	404040F1	F4F84040	40F1F5F0	404040F1	F4F84040	40F1F4F4	404040F1	F4F44040	40F1F4F0	
(2040)	404040F1	F3F44040	40F1F3F2	404040F1	F3F24040	40F1F3F4	404040F1	F3F64040	40F1F3F6	404040F1	
(2080)	F3F44040	40F1F3F4	404040F1	F3F24040	40F1F3F2	404040F1	F2F84040	40F1F2F8	404040F1	F3F04040	
(2120)	40F1F3F0	404040F1	F3F04040	40F1F3F0	404040F1	F2F64040	40F1F2F4	404040F1	F2F64040	40F1F2F4	
(2160)	404040F1	F2F44040	40F1F2F6	404040F1	F3F04040	40F1F3F0	404040F1	F3F24040	40F1F3F8	404040F1	
(2200)	F4F24040	40F1F4F4	404040F1	F4F84040	40F1F4F8	404040F1	F5F04040	40F1F5F0	404040F1	F5F54040	
(2240)	40F1F5F5	404040F1	F5F34040	40F1F5F3	404040F1	F5F54040	40F1F5F9	404040F1	F6F14040	40F1F6F5	

(2360)	40F1F5F7	404040F1	F5F54040	40F1F5F7	404040F1	F5F74040	40F1F5F7	404040F1	F5F54040	40F1F5F3	404040F1	F5F74040
(2400)	404040F1	F5F34040	40F1F5F0	404040F1	F5F24040	40F1F5F2	404040F1	F5F74040	40F1F6F5	404040F1	F5F54040	40F1F5F3
(2440)	F5F94040	40F1F5F9	404040F1	F6F14040	40F1F6F1	404040F1	F5F94040	40F1F5F5	404040F1	F5F34040	404040F1	F5F34040
(2480)	40F1F5F0	404040F1	F5F04040	40F1F4F6	404040F1	F4F44040	40F1F4F4	404040F1	F4F64040	40F1F4F2	404040F1	F4F64040
(2520)	404040F1	F3F84040	40F1F3F6	404040F1	F3F64040	40F1F3F6	404040F1	F3F64040	40F1F4F0	404040F1	F3F64040	40F1F4F0
(2560)	F4F24040	40F1F4F8	404040F1	F5F94040	40F1F6F5	404040F1	F6F54040	40F1F6F3	404040F1	F6F14040	404040F1	F6F14040
(2600)	40F1F6F3	404040F1	F6F74040	40F1F6F9	404040F1	F7F34040	40F1F8F5	404040F1	F8F14040	40F1F7F5	404040F1	F8F14040
(2640)	404040F1	F6F94040	40F1F6F1	404040F1	F5F94040	40F1F5F2	404040F1	F4F24040	40F1F3F8	404040F1	F4F24040	40F1F3F8
(2680)	F3F24040	40F1F2F8	404040F1	F2F64040	40F1F2F6	404040F1	F2F24040	40F1F1F6	404040F1	F1F44040	404040F1	F1F44040
(2720)	40F1F1F2	404040F1	F0F74040	40F1F0F9	404040F1	F1F64040	40F1F2F2	404040F1	F2F04040	40F1F1F4	404040F1	F2F04040
(2760)	404040F1	F1F44040	40F1F1F6	404040F1	F1F84040	40F1F2F2	404040F1	F2F44040	40F1F1F8	404040F1	F2F44040	40F1F1F8
(2800)	F1F84040	40F1F1F8	404040F1	F0F94040	40F1F0F7	404040F1	F0F54040	40F1F0F3	404040F1	F0F14040	404040F1	F0F14040
(2840)	40F1F0F3	404040F1	F0F74040	40F1F0F5	404040F1	F0F14040	40F1F0F3	404040F1	F0F54040	40F1F0F5	404040F1	F0F54040
(2880)	404040F1	F0F74040	40F1F1F1	404040F1	F1F44040	40F1F1F4	404040F1	F1F84040	40F1F2F2	404040F1	F1F84040	40F1F2F2
(2920)	F2F04040	40F1F2F4	404040F1	F2F64040	40F1F2F6	404040F1	F2F44040	40F1F2F0	404040F1	F2F24040	404040F1	F2F24040
(2960)	40F1F2F6	404040F1	F2F84040	40F1F2F4	404040F1	F2F04040	40F1F1F8	404040F1	F1F44040	40F1F0F7	404040F1	F1F44040
(3000)	404040F1	F0F34040	4040F9F9	40404040	F9F14040	4040F9F1	40404040	F9F34040	4040F9F5	40404040	F9F34040	4040F9F5
(3040)	F9F14040	4040F9F1	40404040	F9F34040	4040F8F5	40404040	F7F74040	4040F7F1	40404040	F6F64040	40404040	F6F64040
(3080)	4040F6F4	40404040	F6F04040	4040F6F2	40404040	F6F24040	4040F6F2	40404040	F6F04040	4040F6F6	40404040	F6F04040
(3120)	40404040	F6F84040	4040F6F8	40404040	F6F84040	4040F6F4	40404040	F6F84040	4040F6F4	40404040	F6F84040	4040F6F4
(3160)	F6F24040	4040F6F4	40404040	F6F84040	4040F6F2	40404040	F5F84040	4040F6F2	40404040	F6F24040	40404040	F6F24040
(3200)	4040F6F2	40404040	F6F04040	4040F5F8	40404040	F6F04040	4040F6F0	40404040	F6F04040	4040F6F2	40404040	F6F04040
(3240)	40404040	F6F44040	4040F7F1	40404040	F7F74040	4040F7F7	40404040	F7F34040	4040F7F1	40404040	F7F34040	4040F7F1
(3280)	F6F64040	4040F6F2	40404040	F6F04040	4040F6F0	40404040	F5F84040	4040F5F8	40404040	F5F84040	40404040	F5F84040
(3320)	4040F5F6	40404040	F5F24040	4040F5F0	40404040	F4F64040	4040F3F8	40404040	F3F04040	4040F2F3	40404040	F3F04040
(3360)	40404040	F2F34040	4040F2F1	40404040	F1F74040	4040F1F7	40404040	F1F34040	4040F1F3	40404040	F1F34040	4040F1F3
(3400)	F1F54040	404040F9	40404040	40F74040	404040F3	40404040	40F14040	404040F1	40404040	60F14040	40404040	60F14040
(3440)	404060F3	40404040	60F34040	404060F3	40404040	60F14040	404040F1	40404040	40F34040	404040F3	40404040	40F34040
(3480)	40404040	40F54040	404040F7	40404040	F1F14040	4040F1F3	40404040	F1F34040	404040F9	40404040	F1F34040	404040F9
(3520)	40F74040	404040F5	40404040	40F54040	404040F1	40404040	60F54040	404060F3	40404040	60F54040	40404040	60F54040
(3560)	4060F1F1	40404060	F1F64040	4060F1F3	40404060	F1F34040	4060F1F6	40404060	F1F14040	4060F1F3	40404060	F1F14040
(3600)	40404060	F1F64040	4060F1F8	40404060	F1F64040	4060F1F4	40404040	60F94040	404060F5	40404040	60F94040	404060F5
(3640)	40F14040	404040F5	40404040	40F54040	404040F5	40404040	40F74040	4040F1F3	40404040	F1F94040	40404040	F1F94040
(3680)	4040F2F1	40404040	F2F54040	4040F2F8	40404040	F2F84040	4040F2F3	40404040	F1F94040	4040F2F1	40404040	F1F94040
(3720)	40404040	F2F54040	4040F2F8	40404040	F3F04040	4040F2F8	40404040	F2F34040	404040F9	40404040	F2F34040	404040F9
(3760)	40F14040	404060F5	40404040	60F74040	4060F1F4	40404060	F2F04040	4060F2F6	40404060	F2F64040	40404060	F2F64040
(3800)	4060F2F6	40404060	F3F64040	4060F4F2	40404060	F4F44040	4060F4F6	40404060	F5F04040	4060F5F4	40404060	F5F04040
(3840)	40404060	F5F74040	4060F5F6	40404060	F5F94040	4060F5F9	40404060	F5F94040	4060F6F1	40404060	F5F94040	4060F6F1
(3880)	F5F94040	4060F5F9	40404060	F6F14040	4060F6F1	40404060	F5F94040	4060F5F9	40404060	F5F94040	4060F5F9	40404060
(3920)	4060F5F9	40404060	F6F14040	4060F5F9	40404060	F5F94040	4060F6F1	40404060	F6F54040	4060F6F5	40404060	F6F54040
(3960)	40404060	F6F74040	4060F7F1	40404060	F7F34040	4060F7F7	40404060	F7F94040	4060F7F9	40404060	F7F94040	4060F7F9
(4000)	F8F34040	4060F8F7	40404060	F9F14040	4060F9F5	40404060	F9F74040	60F1F0F0	404060F1	F0F84040	40404060	F0F84040
(4040)	60F1F1F2	404060F1	F1F64040	60F1F1F6	404060F1	F1F64040	60F1F1F8	404060F1	F2F24040	60F1F2F6	404060F1	F2F24040
(4080)	404060F1	F2F64040	60F1F2F8	404060F1	F2F84040	60F1F3F2	404060F1	F3F24040	60F1F3F2	404060F1	F3F24040	60F1F3F2
(4120)	F3F44040	60F1F3F2	404060F1	F3F24040	60F1F3F2	404060F1	F3F44040	60F1F3F4	404060F1	F3F44040	60F1F3F4	404060F1
(4160)	60F1F3F4	404060F1	F3F44040	60F1F3F6	404060F1	F3F64040	60F1F3F4	404060F1	F3F44040	60F1F3F4	404060F1	F3F44040
(4200)	404060F1	F3F64040	60F1F3F2	404060F1	F3F04040	60F1F3F2	404060F1	F3F04040	60F1F2F6	404060F1	F3F04040	60F1F2F6
(4240)	F2F44040	60F1F1F8	404060F1	F1F44040	60F1F1F2	404060F1	F1F24040	60F1F1F2	404060F1	F1F24040	404060F1	F1F24040
(4280)	60F1F1F0	404060F1	F1F04040	60F1F1F4	404060F1	F1F24040	60F1F0F6	404060F1	F0F44040	60F1F0F4	404060F1	F0F44040
(4320)	404060F1	F0F44040	60F1F0F2	404060F1	F0F04040	4060F9F8	40404060	F9F34040	4060F8F9	40404060	F9F34040	4060F8F9
(4360)	F8F94040	4060F8F7	40404060	F8F54040	4060F8F7	40404060	F9F14040	4060F9F7	404060F1	F0F04040	40404060	F0F04040
(4400)	60F1F0F2	404060F1	F0F44040	60F1F0F8	404060F1	F0F84040	60F1F1F0	404060F1	F1F24040	60F1F1F6	404060F1	F1F24040
(4440)	404060F1	F1F84040	60F1F2F2	404060F1	F2F64040	60F1F3F2	404060F1	F3F44040	60F1F3F6	404060F1	F3F44040	60F1F3F6
(4480)	F3F34040	60F1F3F6	404060F1	F3F64040	60F1F3F6	404060F1	F3F64040	60F1F3F6	404060F1	F3F84040	404060F1	F3F84040
(4520)	60F1F3F8	404060F1	F3F84040	60F1F3F6	404060F1	F3F64040	60F1F3F4	404060F1	F3F44040	60F1F3F6	404060F1	F3F44040
(4560)	404060F1	F3F64040	60F1F3F8	404060F1	F3F84040	60F1F3F8	404060F1	F3F44040	60F1F3F2	404060F1	F3F44040	60F1F3F2
(4600)	F3F24040	60F1F3F0	404060F1	F2F84040	60F1F2F4	404060F1	F2F24040	60F1F2F2	404060F1	F2F04040	404060F1	F2F04040
(4640)	60F1F1F8	404060F1	F1F64040	60F1F1F4	404060F1	F1F64040	60F1F1F4	404060F1	F1F64040	60F1F1F2	404060F1	F1F64040
(4680)	404060F1	F1F24040	60F1F1F2	404060F1	F1F24040	60F1F0F8	404060F1	F0F44040	60F1F0F2	40404060	404060F1	F0F44040
(4720)	F9F84040	4060F9F5	40404060	F9F14040	4060F8F5	40404060	F8F34040	4060F8F1	40404060	F7F94040	40404060	F7F94040
(4760)	4060F7F5	40404060	F6F94040	4060F6F3	40404060	F5F94040	4060F5F4	40404060	F5F04040	4060F4F6	40404060	F5F04040
(4800)	40404060	F4F84040	4060F4F6	40404060	F4F24040	4060F4F0	40404060	F3F64040	4060F3F2	40404060	F3F64040	4060F3F2
(4840)	F3F04040	4060F3F0	40404060	F2F84040	4060F2F6	40404060	F2F44040	4060F2F2	40404060	F2F24040	40404060	F2F24040
(4880)	4060F2F4	40404060	F2F44040	4060F2F4	40404060	F2F24040	4060F2F2	40404060	F2F44040	4060F2F6	40404060	F2F44040

```

( 5000) 4060F4F6 40404060 F4F84040 4060F5F0 40404060 F5F24040 4060F5F6 40404060 F5F94040 4060F6F3
( 5040) 40404060 F6F54040 4060F6F7 40404060 F6F74040 4060F7F1 40404060 F7F54040 4060F7F9 40404060
( 5080) F8F34040 4060F8F7 40404060 F8F74040 4060F8F9 40404060 F9F54040 4060F9F8 40404060 F9F84040
( 5120) 4060F9F7 40404060 F9F74040 60F1F0F2 40404060 F9F84040 4060F9F5 40404060 F9F34040 4060F9F3
( 5160) 40404060 F9F74040 60F1F0F0 404060F1 F0F44040 60F1F0F4 404060F1 F0F44040 60F1F0F0 40404060
( 5200) F9F74040 4060F9F5 40404060 F9F54040 4060F9F5 40404060 F9F74040 4060F9F7 40404060 F9F34040
( 5240) 4060F9F1 40404060 F9F14040 4060F8F9 40404060 F8F94040 4060F8F9 40404060 F9F34040 4060F9F7
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( 5360) 60F1F1F6 404060F1 F1F84040 60F1F1F8 404060F1 F1F84040 60F1F1F6 404060F1 F1F24040 60F1F1F0
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( 5480) 60F1F3F0 404060F1 F3F44040 60F1F4F1 404060F1 F4F94040 60F1F5F3 404060F1 F5F14040 60F1F5F7
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( 5680) F3F94040 60F1F3F8 404060F1 F3F44040 60F1F3F0 404060F1 F2F64040 60F1F2F2 404060F1 F2F04040
( 5720) 60F1F1F8 404060F1 F1F44040 60F1F1F0 404060F1 F0F84040 60F1F0F6 404060F1 F0F24040 60F1F0F2
( 5760) 404060F1 F0F04040 4060F9F7 40404060 F9F54040 4060F9F1 40404060 F8F94040 4060F8F7 40404060
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( 5880) 40404060 F5F24040 4060F4F8 40404060 F4F64040 4060F4F0 40404060 F3F64040 4060F3F4 40404060
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( 6040) F1F64040 4060F1F8 40404060 F1F84040 4060F1F6 40404060 F1F44040 4060F1F3 40404060 F1F14040
( 6080) 404060F9 40404040 60F74040 404060F5 40404040 60F34040 404060F3 40404040 60F34040 404060F5
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( 6160) 60F14040 404060F1 40404040 60F14040 404060F1 40404040 60F14040 404060F1 40404040 60F14040
( 6200) 404060F1 40404040 60F14040 404060F1 40404040 60F14040 404060F1 40404040 40F14040 404040F1
( 6240) 40404040 60F14040 404060F1 40404040 60F14040 404060F1 40404040 40F14040 404040F3 40404040
( 6280) 40F34040 404040F5 40404040 40F74040 404040F7 40404040 40F54040 404040F5 40404040 40F54040
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( 6480) 40404040 60F74040 404060F7 40404040 60F74040 404060F7 40404040 60F74040 404060F7 40404040
( 6520) 60F74040 404060F7 40404040 60F94040 404060F9

```

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
					PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	126	126	6540		0	3	0	0	3	3

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 09/01/81 10:29:54 STOP TIME 09/01/81 10:30:16

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-28F

GREENLAND MAGNETOMETER DATA

This data set consists of 1 tape(s). The tape(s) is 9 track, 800 bpi, ASCII with 4 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-46894	C-21973	3/22/79,3/31/79, 4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-28F

DATE DATA RECEIVED: 1/26/82

DATE NSDF COORDINATOR CONSULTED:

DATE SCIENTIST NOTIFIED:

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	<u>1 mag tape</u>

SATELLITE NAME/NSDF NAME: 66-28F

EXPERIMENT NAME:

DATA SET FULL NAME: Standard Magnetometer Data

CONTACT: ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 46814 6-2473

REMARKS:

800 ascii 9hrk
4 files
3/22 4/1/79
3/31

DATA RECEIPT NOTIFICATION SENT?

DATA TECHNICIAN

Date 01/25

NSSDC ID 66-28F

CDAW DATA SET ENTRY

Date Rcvd : 01/25 CDB : ϕ6

Data Sent By : E. Friis - Christensen

Material Rcvd : 1 tape + letter

Satellite/NSRF Name : GG-28F

Data Set Name : Greenland Magnetometer Stations.

New Data Set Additions Replacements

Comments _____

Time Coverage : Mar 22 Mar 31 April 1 1979

Tapes To be Returned to : _____

Completed By : M. Teague

METEOROLOGISK INSTITUT

LYNGBYVEJ 100 - 2100 KØBENHAVN Ø

TLF. (01) 29 21 00 - TELEGR.ADR.: METOBS - TELEX: 27138

GIRO: 3020266

Copy

Nr.: 9.5013 / 067

Dato: January 15, 1982

Bedes anført ved henvendelser. /GØ

Dr. James Vette
World Data Center A
Rockets and Satellites
Coddard Space Flight Center, Code 601
Greenbelt, Maryland 20771
USA

AFD.: Division of Geophysics

LOK: _____

Dear Jim,

Under separate cover we have forwarded a second version of our CDAW6 contribution including 3 dates, March 22 and 31, and April 01, 1979. The superfluous trailing block in each file has been left out.

We do, however, not understand the reason for the missing file 3. In the present tape we have repeated the April 01 data in file 4 as well, hoping that you will be able to read at least one of them.

Looking forward to seeing you.

Best regards

Eigil
Eigil Friis-Christensen

P.S. Do you have a telex number which we can use in case we would want to inform you quickly?

METEOROLOGISK INSTITUT

LYNGBYVEJ 100 - 2100 KØBENHAVN Ø

TLF. (01) 29 21 00 - TELEGR.ADR.: METOBS - TELEX: 27138

GIRO: 3020266

COPY

Nr.: 9.500 / 766

Date: November 13, 1981

Bedes anført ved henvendelser. EFC/wb

Dr. James I. Vette
World Data Center A
Rockets and Satellites
Goddard Space Flight Center
Greenbelt, Maryland 20771
U S A

AFD: Division of Geophysics

LOK: _____

Dear Jim.

As announced in my letter of November 9 we are shipping under separate cover (and Air Mail) Greenland Magnetometer data for the CDAW-6 events March 22 and 31 and April 01, 1979.

The material comprises the following items:

- 1 Magnetic tape
- 9 Stack plot magnetograms
(3 days each of 3 elements x, y and z)
- 1 Partial listing of the tape contents
- 1 List of stations included
- 1 Tape format description, also written on file 0 block 0
- 1 Description of data
- 1 Copy of description of WDC-A tape exchange format which has been used, except that ASCII code has been used.

The data, in particular March 22, is very interesting from our point of view and I am looking forward to attend the workshop.

Best regards

Eigil

Eigil Friis-Christensen

Greenland IMS magnetometer stations 1979.

<u>ID</u>	<u>OBSERVATORY</u>	<u>SYM</u>	<u>GEOG N</u>	<u>GEOG E</u>	<u>DECL</u>
1	Thule	THL	77.48	290.83	-78
4	Upernavik	UPN	72.78	303.85	-57
5	Umanaq	UMQ	70.68	307.87	-51
6	Godhavn	GDH	69.23	306.48	-51
7	Søndre Strømfjord	STF	67.02	309.28	-46
8	Godthåb	GHB	64.17	308.27	-42
9	Frederikshåb	FHB	62.00	310.32	-39
10	Narssarssuaq	NAQ	61.18	314.57	-36
11	Nord	NRD	81.60	343.33	-34
12	Danmarkshavn	DMH	76.77	341.32	-28
13	Daneborg	DNB	74.30	339.78	-29

E. Friis-Christensen
Division of Geophysics
DMI

Description of data.

Greenland magnetometer data for CDAW-6 March 22, 31
and April 01.

The data have been digitized from analog recordings
of the elements H, D and Z.

From the data in the local H, D and Z coordinate system
the adopted quiet level, as determined from the complete
set of data from Greenland, has been subtracted.

The remaining geomagnetic variations relative to the
quiet level have been transformed into the x, y geo-
graphical system using the declination as indicated
in the list of stations.

The dataset consisting of 11 stations 3 elements one
minute values have been written on magnetic tape into
3 files - one for each day. The tape format used is
the WDC-A tape exchange format in ASCII.

7

MDC-A Tape Exchange Format
For
One-Minute Geomagnetic Data

As of February 1977

1. The logical record length is 400 BCD characters containing header information, blank spaces, and data for one element for one hour. Twelve such logical records containing 4800 BCD characters are combined into a single data block. There are 12 hours of data for one component for one station in each block. The data are sequenced according to positions 1-24 of each record. Therefore, 24 hours of D are followed by 24 hours of the next element for the same OBS, YR, MO, DA. Even parity and 556 bpi, 7-track IBM-compatible tapes are standard, although 9-track and 800 bpi, or higher density are available upon request.
2. An end-of-file mark terminates each tape. Blocks are padded internally with nines to fill in missing data and to complete a data set.
3. Each logical record contains header information and data in the following format: North polar distance, longitude, year, month, day, hour, element, observatory code, blank spaces, 60 data values, and an hourly mean.

NPD	LONG	YR	MO	DA	E	HR	OBS	ORG	(Blanks)	DATA-1	DATA-60	HR
1-6	7-12	13-14	15-16	17-18	19	20-21	22-24	25	26-34	35-40	389-394	395

4. NPD is the observatory's North Polar Distance (0° to 180°) from the north geographic pole in thousandths of a degree and is allotted 6 characters. Decimal point is implied between positions 3 and 4.
LONG is the geographic longitude (0° to 360°) measured East from Greenwich in thousandths of a degree and also has a 6 character field. Decimal point is implied between positions 9 and 10.
YR, MO, DA, and HR are each 2-digit numbers giving the date and GMT.
E is the element symbol in 1 character; it may be D, H, Z, X, Y, F, P, or R.
OBS is the 2 or 3 letter abbreviation for the observatory.
ORG is origin of data.
D= Digitized from analog records.
C= Canadian Standard Network.
G= U.S.G.S. Network.
W= Walker Chain.
R= Rostoker Chain.
A= Alaska Chain.
U= U.C.L.A. Chain.
M= McClay Chain.
S= S.U.N.Y. Chain.
F= France
V= variation values via SMS-GOES satellite
K= Geophysical

Blanks are 10 character spaces reserved for future additions.
DATA-1...-60 are one-minute values of the given element for that data-hour.

H, Z, X, Y, or F to the nearest nanoteula and D in tenth-minutes (e.g., 612 = 1°01.2'), each in a six character field.
HR MEAN is the average of the preceeding 60 one-minute values

5. Each element value and the hourly mean is given in a six-digit field including a minus sign for negative values or blank for positive values.
6. Missing data-value spaces are padded with 99999. No alteration of logical record length is required for different types of computers.
7. Although data can be sorted according to a variety of requested formats based upon geographic position or other parameters, a typical tape sequence of data would be with stations grouped by latitude bands and by decreasing East longitude within each band. Data for each station would be in element hours, D, H, and Z, blocked as described in (1).

+++++ FILE 0 BLOCK 0 PART 1 OF 8
CDANSTP1 :E.FRIIS-CHRISTENSEN DANISH METEOROLOGICAL INSTITUTE ,
DIVISION OF GEOPHYSICS , NOV. 11 1981

GREENLAND GEOMAGNETIC DATA IN WDC-A TAPE EXCHANGE FORMAT: 800 BPI
ASCII CODE: ORIGIN K=GREENLAND

BLOCKLENGTH =4800 CHARACTERS: RECORD LENGTH=400 CHARS. CONTAINING
1 HOUR OF 1 MINUTE DATA:TAPE CONTAINS 3 DATA FILES:FILE 1=790322:
FILE 2=790331:FILE 3=790401:ELEMENTS=X, Y, Z

CDAWG TP1

Greenland.

+++++ FILE 1 BLOCK 0 PART 1 OF 12

012520290830790322X00THLK

99999 99999 99999 99999-00012-00011-00010-00010-00011-00012-00011-00011
-00012-00012-00013-00012-00011-00011-00012-00011-00010-00011-00011-00011
-00012-00012-00013-00013-00012-00011-00009-00010-00010-00011-00011-00009
-00008-00008-00009-00010-00010-00009-00010-00010-00010-00011-00010-00009
-00010-00010-00010-00009-00009-00008-00008-00009-00009-00007-00007-00010
-00010

+++++ FILE 1 BLOCK 0 PART 2 OF 12

012520290830790322X01THLK

-00011-00011-00011-00011-00011-00010-00010-00009-00009-00009-00009-00008
-00008-00008-00009-00008-00008-00008-00008-00008-00009-00009-00009-00008
-00008-00008-00008-00007-00006-00006-00006-00006-00006-00006-00006
-00006-00007-00008-00009-00008-00008-00009-00009-00010-00010-00008-00007
-00005-00004-00002-00002-00002-00002-00001-00001-00001-00001 00000 00000
-00007

+++++ FILE 1 BLOCK 0 PART 12 OF 12

012520290830790322X11THLK

00120 00119 00116 00113 00114 00113 00114 00114 00114 00114 00115 00113
00113 00110 00104 00100 00100 00104 00104 00110 00133 00142 00139 00147
00140 00132 00116 00105 00103 00106 00111 00111 00109 00102 00107 00106
00111 00106 00099 00098 00105 00109 00112 00124 00123 00113 00092 00091
00112 00125 00130 00139 00150 00152 00154 00151 00140 00135 00129 00128
00118

+++++ FILE 1 BLOCK 1 PART 1 OF 12

012520290830790322X12THLK

00123 00120 00130 00138 00146 00156 00162 00157 00158 00154 00144 00137
00131 00103 00075 00064 00061 00052 00039 00036 00027 00016 00008 00000
-00008-00016-00022-00024-00033-00042-00041-00036-00034-00031-00024-00036
-00019-00020-00020-00017-00022-00026-00017-00015-00023-00037-00038-00045
-00053-00077-00084-00095-00104-00105-00086-00074-00063-00075-00066-00058
00013

+++++ FILE 1 BLOCK 1 PART 12 OF 12

012520290830790322X23THLK

-00016-00015-00014-00012-00011-00013-00011-00008-00007-00006-00005-00004
-00005-00004-00005-00006-00010-00016-00019-00024-00030-00031-00032-00031
-00027-00026-00026-00026-00025-00023-00020-00020-00018-00016-00018-00020
-00017-00017-00016-00018-00018-00016-00016-00019-00018-00018-00019-00018
-00017-00016-00016-00015-00015-00013-00012-00009-00011-00008-00008-00009
-00016

+++++ FILE 1 BLOCK 22 PART 1 OF 12

012520290830790322Y00THLK

99999 99999 99999 99999-00019-00019-00019-00019-00019-00019-00020-00020
-00019-00018-00017-00017-00016-00016-00018-00020-00020-00020-00020-00018
-00019-00021-00021-00021-00021-00020-00021-00020-00020-00018-00017-00018
-00018-00018-00018-00018-00019-00020-00020-00021-00020-00020-00020-00022
-00023-00023-00023-00023-00022-00021-00020-00019-00019-00020-00020-00019
-00020

+++++ FILE 1 BLOCK 43 PART 1 OF 12

015700339780790322Y12DNBK

00267 00233 00226 00225 00228 00224 00216 00207 00225 00248 00258 00266
00268 00271 00244 00243 00244 00241 00247 00255 00257 00258 00260 00260
00258 00259 00257 00243 00218 00205 00211 00222 00219 00180 00138 00091
00046 00006 00000-00010-00015-00016-00015-00013-00014-00008-00015-00019
-00017-00007 00010 00017 00017 00024 00027 00020 00020 00025 00010 00005

-00020-00015-00013-00013-00013-00015-00016-00017-00017-00014-00013-00012
-00010-00009-00009-00010-00008-00006-00004-00001-00002-00003-00005-00005
-00018.

+++++ FILE 1 BLOCK 44 PART 1 OF 12

012520290830790322Z00THLK

99999 99999 99999 99999-00007-00008-00008-00008-00009-00009-00010-00010
-00011-00011-00011-00011-00011-00013-00014-00015-00015-00014-00014-00014
-00013-00013-00013-00011-00011-00011-00011-00011-00011-00011-00011-00013
-00013-00013-00013-00013-00013-00013-00014-00014-00014-00013-00014-00015
-00015-00015-00015-00016-00016-00015-00015-00015-00016-00016-00015-00015
-00013

+++++ FILE 1 BLOCK 52 PART 1 OF 12

022980309280790322Z00STFK

-00002-00002-00002-00002-00002-00005-00006-00006-00004 00000 00003 00006
00006 00005 00002-00002-00003 00002 00006 00011 00011 00010 00009 00006
00007 00010 00010 00011 00010 00008 00007 00008 00010 00011 00014 00015
00014 00013 00012 00010 00013 00014 00014 00012 00010 00007 00006 00006
00008 00006 00004 00002 00001 00001 00001 00001-00001 00001 00002 00001
00005

+++++ FILE 1 BLOCK 52 PART 2 OF 12

022980309280790322Z01STFK

-00001-00002-00002-00005-00006-00007-00010-00011-00013-00016-00018-00019
-00019-00018-00014-00011-00010-00009-00009-00009-00008-00005-00003-00003
-00004-00002-00003-00002-00002-00002-00003-00005-00006-00006-00006-00005
-00005-00005-00004-00004-00004-00005-00006-00006-00003-00002 00000-00001
-00002-00003-00002 00000-00002-00004-00005-00009-00012-00014-00018-00015
-00007

+++++ FILE 1 BLOCK 65 PART 1 OF 12

015700339780790322Z12DNBK

00077 00075 00072 00053-00002-00054-00111-00175-00182-00202-00207-00210
-00210-00221-00235-00239-00245-00241-00236-00225-00220-00216-00216-00212
-00192-00182-00177-00174-00172-00169-00158-00150-00146-00143-00136-00132
-00124-00121-00119-00119-00118-00116-00118-00122-00122-00124-00129-00136
-00144-00155-00159-00159-00158-00156-00154-00150-00142-00133-00126-00121
-00146

+++++ FILE 1 BLOCK 65 PART 12 OF 12

015700339780790322Z23DNBK

00024 00023 00024 00024 00025 00023 00021 00021 00021 00020 00020 00020
00020 00020 00020 00019 00019 00018 00020 00021 00020 00022 00028 00033
00038 00042 00043 00045 00047 00045 00044 00042 00043 00046 00047 00049
00050 00049 00047 00049 00051 00052 00052 00052 00051 00047 00046 00045
00043 00043 00043 00042 00042 00038 00035 00033 00034 00037 00037 00038
00035

File 1 - blocks 0 to 65

+++++ FILE 2 BLOCK 0 PART 1 OF 12
012520290830790331X00THLK
99999 99999 99999 99999-00039-00035-00036-00036-00041-00042-00042-00043
-00043-00041-00041-00043-00049-00050-00053-00053-00053-00053-00053-00055
-00056-00054-00051-00048-00048-00050-00053-00055-00055-00056-00054-00053
-00050-00049-00048-00048-00047-00046-00045-00041-00039-00038-00038-00036
-00036-00036-00036-00037-00037-00036-00035-00033-00033-00032-00032-00032
-00044

+++++ FILE 2 BLOCK 22 PART 1 OF 12
012520290830790331Y00THLK
99999 99999 99999 99999-00060-00067-00071-00078-00086-00089-00093-00100
-00106-00109-00107-00110-00110-00107-00109-00111-00108-00108-00108-00108
-00109-00108-00104-00101-00098-00095-00096-00096-00097-00098-00096-00095
-00092-00089-00088-00084-00081-00078-00075-00071-00069-00068-00066-00062
-00058-00056-00056-00055-00053-00051-00050-00050-00050-00049-00048-00047
-00084

+++++ FILE 2 BLOCK 48 PART 1 OF 12
019320307870790331Z00UMQK
-00006-00007-00007-00007-00008-00010-00013-00012-00012-00007-00003 00003
00010 00023 00041 00058 00064 00071 00075 00073 00072 00071 00064 00058
00059 00062 00071 00080 00082 00082 00082 00086 00081 00073 00071 00071
00071 00071 00071 00071 00071 00072 00071 00071 00072 00072 00072 00071
00071 00071 00071 00071 00071 00072 00073 00073 00073 00073 00073 00073
00054

+++++ FILE 2 BLOCK 60 PART 1 OF 12
008400343330790331Z00NRDK
00073 00069 00064 00060 00053 00039 00034 00023 00021 00018 00015 00008
00006 00006 00009 00010 00014 00017 00022 00024 00027 00030 00033 00036
00038 00046 00051 00055 00058 00060 00067 00080 00082 00082 00085 00087
00082 00081 00081 00081 00082 00084 00082 00080 00078 00076 00074 00071
00072 00070 00068 00066 00067 00067 00067 00064 00065 00064 00063 00060
00054

+++++ FILE 2 BLOCK 65 PART 12 OF 12
015700339780790331Z23DNBK
00056 00067 00081 00090 00102 00106 00107 00110 00113 00116 00116 00117
00120 00125 00135 00137 00141 00150 00153 00154 00157 00160 00164 00172
00181 00181 00177 00180 00184 00194 00199 00206 00218 00223 00218 00220
00225 00228 00237 00242 00243 00246 00244 00238 00231 00226 00225 00224
00222 00217 00215 00212 00208 00206 00204 00197 00187 00185 00184 00182
00176

(last block. (65))

+++++ FILE 3 BLOCK 0 PART 1 OF 12

012520290830790401X00THLK

99999 99999 99999 99999-00100-00098-00094-00092-00086-00082-00075-00070
-00069-00067-00062-00056-00052-00048-00046-00043-00042-00042-00043-00040
-00038-00035-00035-00033-00033-00033-00031-00029-00028-00028-00029-00027
-00027-00026-00023-00020-00018-00018-00018-00018-00017-00014-00010-00007
-00006-00006-00005-00003 00000 00000 00000 00003 00002 00002 00001 00001
-00034

+++++ FILE 3 BLOCK 0 PART 2 OF 12

012520290830790401X01THLK

00002 00005 00008 00012 00016 00020 00022 00020 00017 00014 00013 00013
00011 00012 00013 00012 00011 00010 00012 00013 00014 00013 00012 00010
00008 00005 00005 00006 00009 00010 00011 00013 00015 00012 00010 00009
00009 00011 00012 00013 00014 00016 00016 00016 00017 00017 00018 00019
00020 00019 00020 00020 00021 00021 00021 00022 00022 00022 00021 00016
00014

+++++ FILE 3 BLOCK 22 PART 1 OF 12

012520290830790401Y00THLK

99999 99999 99999 99999-00171-00173-00173-00171-00174-00175-00176-00177
-00179-00183-00182-00181-00180-00180-00179-00179-00179-00180-00183-00183
-00183-00179-00176-00174-00174-00174-00174-00172-00170-00169-00167-00165
-00167-00169-00167-00163-00161-00159-00157-00156-00153-00152-00150-00148
-00146-00148-00146-00145-00145-00142-00138-00136-00133-00131-00127-00125
-00164

+++++ FILE 3 BLOCK 44 PART 1 OF 12

012520290830790401Z00THLK

99999 99999 99999 99999 00015 00015 00013 00010 00009 00009 00009 00008
00007 00008 00008 00008 00008 00007 00007 00005 00005 00004 00003 00004
00004 00005 00007 00008 00007 00007 00007 00007 00007 00007 00008 00008
00007 00008 00008 00009 00010 00010 00010 00012 00012 00012 00012 00012
00012 00012 00012 00012 00012 00013 00013 00014 00015 00015 00016 00016
00009

+++++ FILE 3 BLOCK 64 PART 1 OF 12

015700339780790401Z00DNBK

00181 00178 00174 00171 00169 00166 00160 00155 00154 00155 00155 00153
00150 00149 00148 00147 00146 00145 00142 00138 00135 00132 00130 00128
00127 00125 00125 00123 00121 00120 00118 00116 00115 00114 00113 00112
00111 00111 00110 00109 00109 00108 00106 00106 00104 00102 00101 00101
00100 00100 00099 00099 00099 00098 00098 00097 00096 00096 00091 00088
00125

+++++ FILE 3 BLOCK 65 PART 12 OF 12

015700339780790401Z23DNBK

00374 00386 00394 00404 00422 00423 00397 00364 00344 00332 00321 00308
00280 00267 00271 00277 00267 00268 00277 00240 00223 00208 00202 00199
00202 00209 00206 00201 00196 00192 00188 00174 00169 00169 00163 00152
00147 00148 00147 00146 00147 00147 00145 00145 00144 00142 00137 00135
00133 00131 00130 00130 00130 00130 00130 00130 00130 00128 00124 00118
00216

last block (65)

GREENLAND IMS MAGNETOMETER STATIONS 1979

ID	OBSERVATORY	SYM	GEOG N	GEOG E	DECL
1	THULE	THL	77.48	290.83	-78
4	UFERNAVIK	UPN	72.78	303.85	-57
5	UMANAQ	UMQ	70.68	307.87	-51
6	GODHAVN	GDH	69.23	306.48	-51
7	SANDRE STRAMFJORD	STF	67.02	309.28	-46
8	GODTHJEB	GHE	64.17	308.27	-42
9	FREDERIKSHJEB	FHE	62.00	310.32	-39
10	NARSSARSSUAQ	NAQ	61.18	314.57	-36
11	NORD	NRD	81.60	343.33	-34
12	DANMARKSHAVN	DMH	76.77	341.32	-28
13	DANEBOG	DNE	74.30	339.78	-29

79
22/03

THL X

LRN

LRG

GRH

STF

GRB

STB

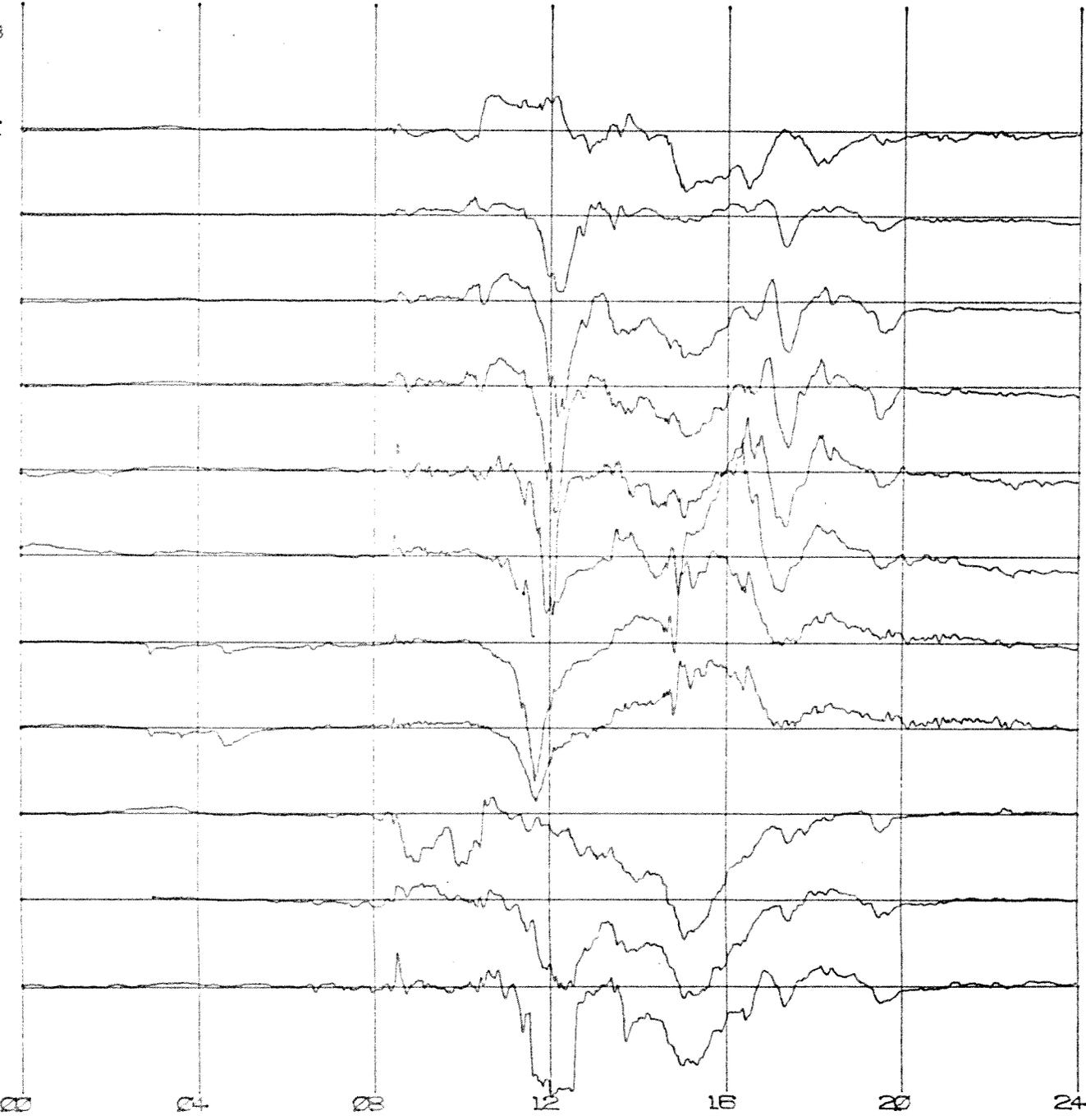
NAS

NFO

DTH

DAB

200



72
22/03

THL Y

LN

LR

GR

FR

BR

DR

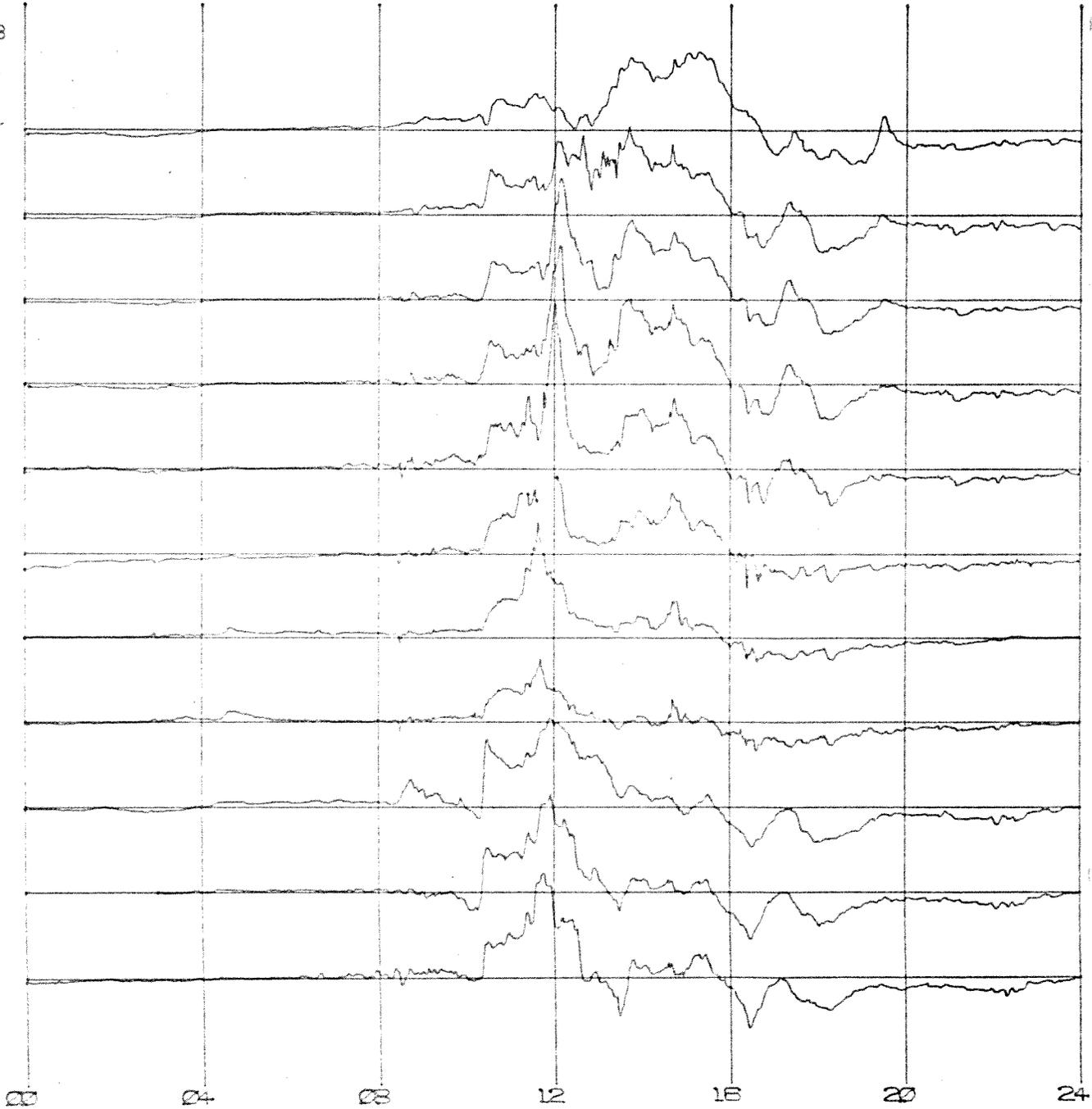
SR

TR

HR

DR

200



79
22/03

THL Z

UPN

UPQ

CH

SF

GB

TLB

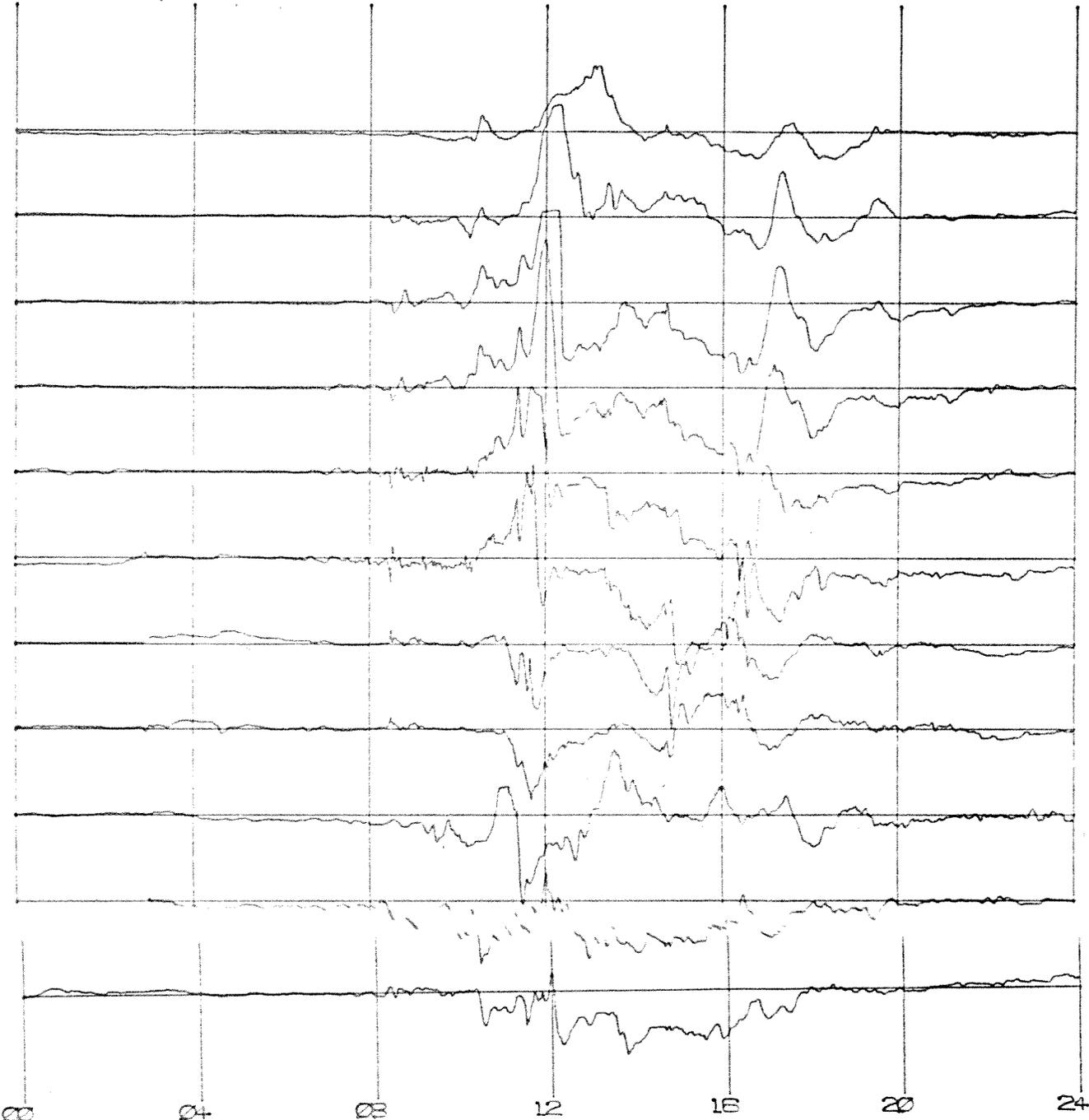
ZG

ZD

DH

DAB

2000



78
31/03

TH X

LPN

LMG

GMH

STF

GBB

FBG

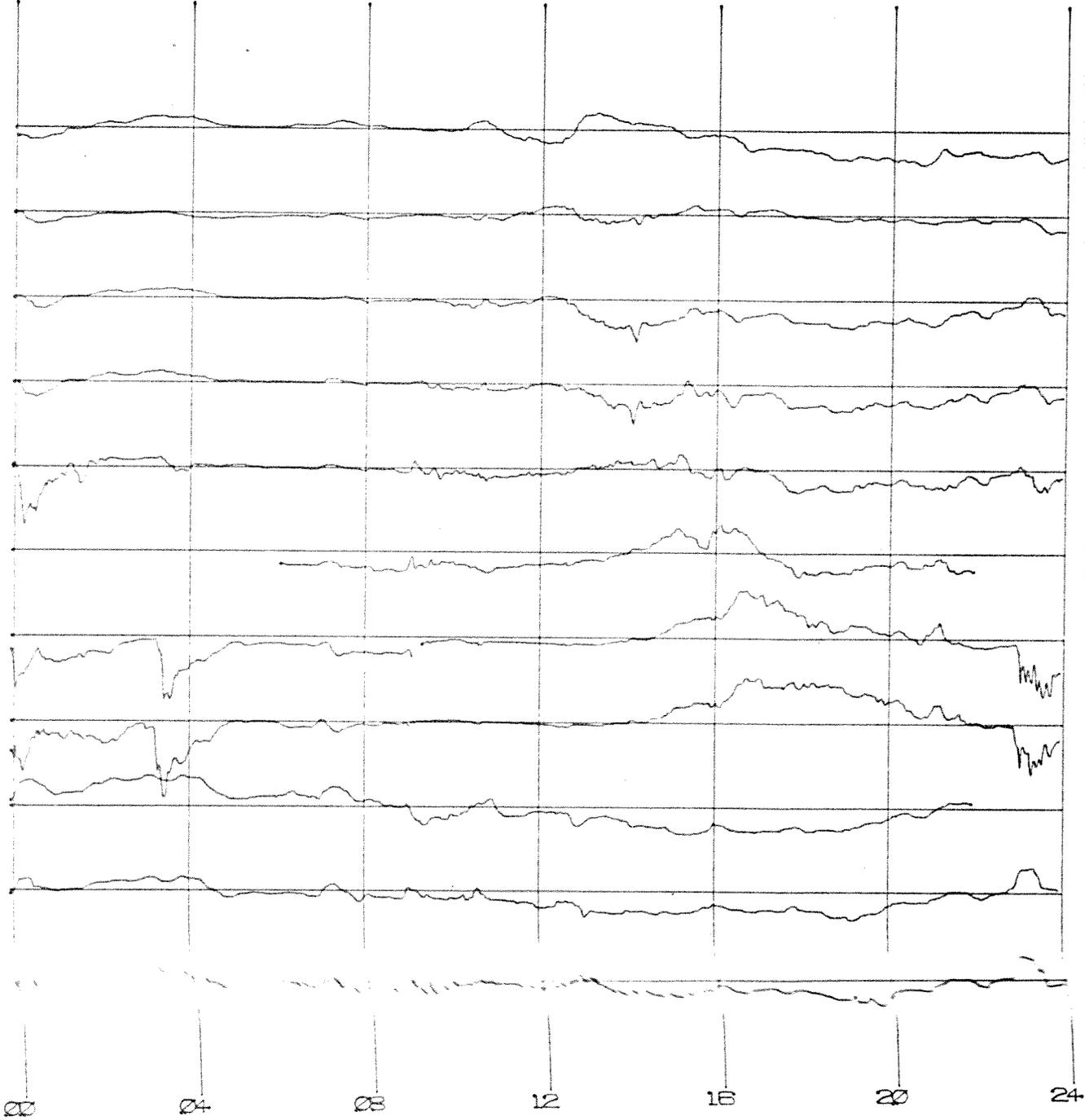
NAG

NFO

DTH

1111

2000



79
31/23

THL Y

UPN

UNG

QCH

STF

QSB

STB

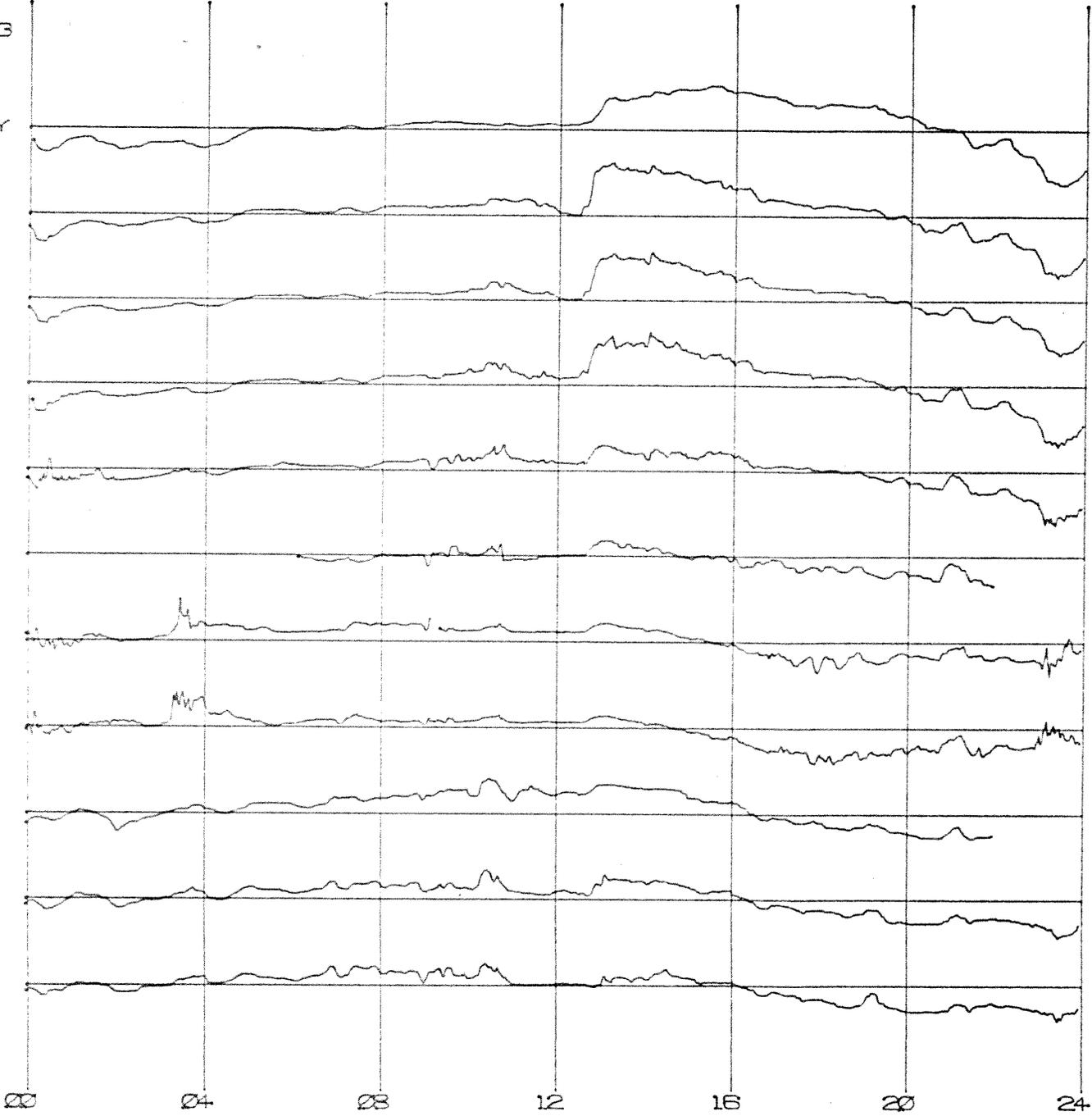
NAG

ND

DH

DS

200



78
5/23

THL Z

LPN

LPG

GDH

SFB

GBB

SFB

NAG

NFB

DH

DNB

200

00

04

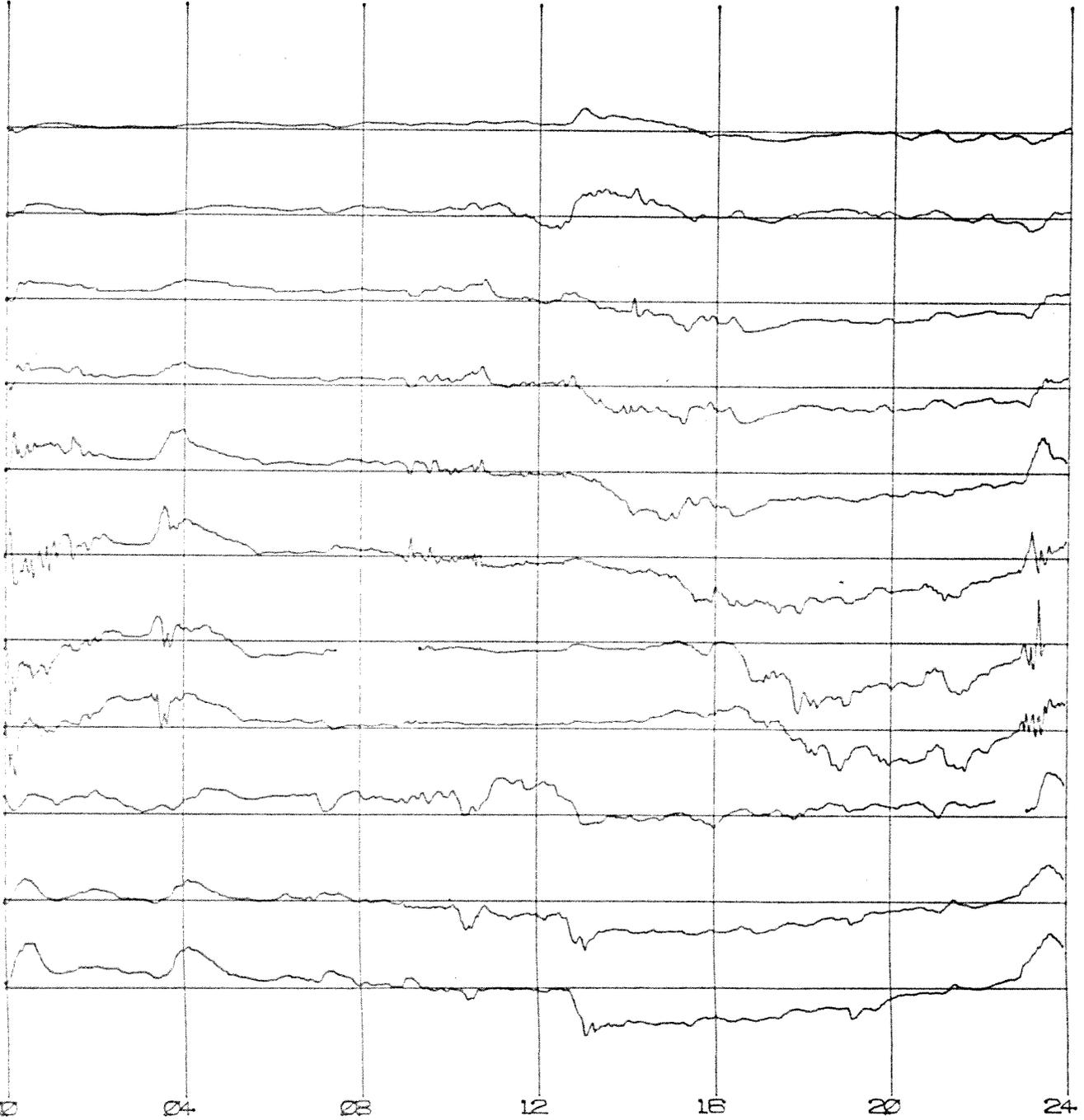
08

12

16

20

24

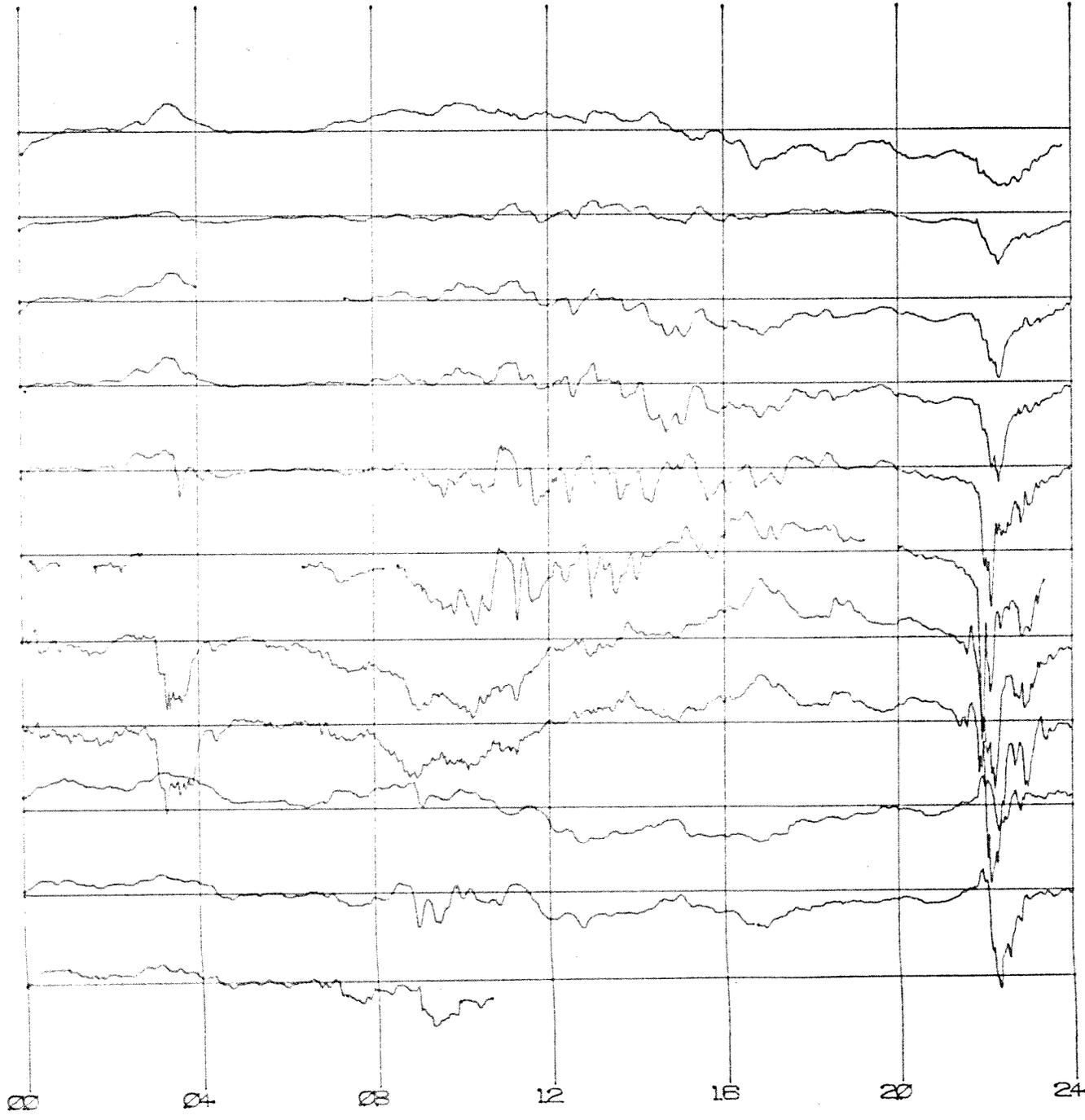


79
01/04

TH
01 X

LN

200



79
01/04

THL Y

LPN

UNG

CH

STF

SB

FB

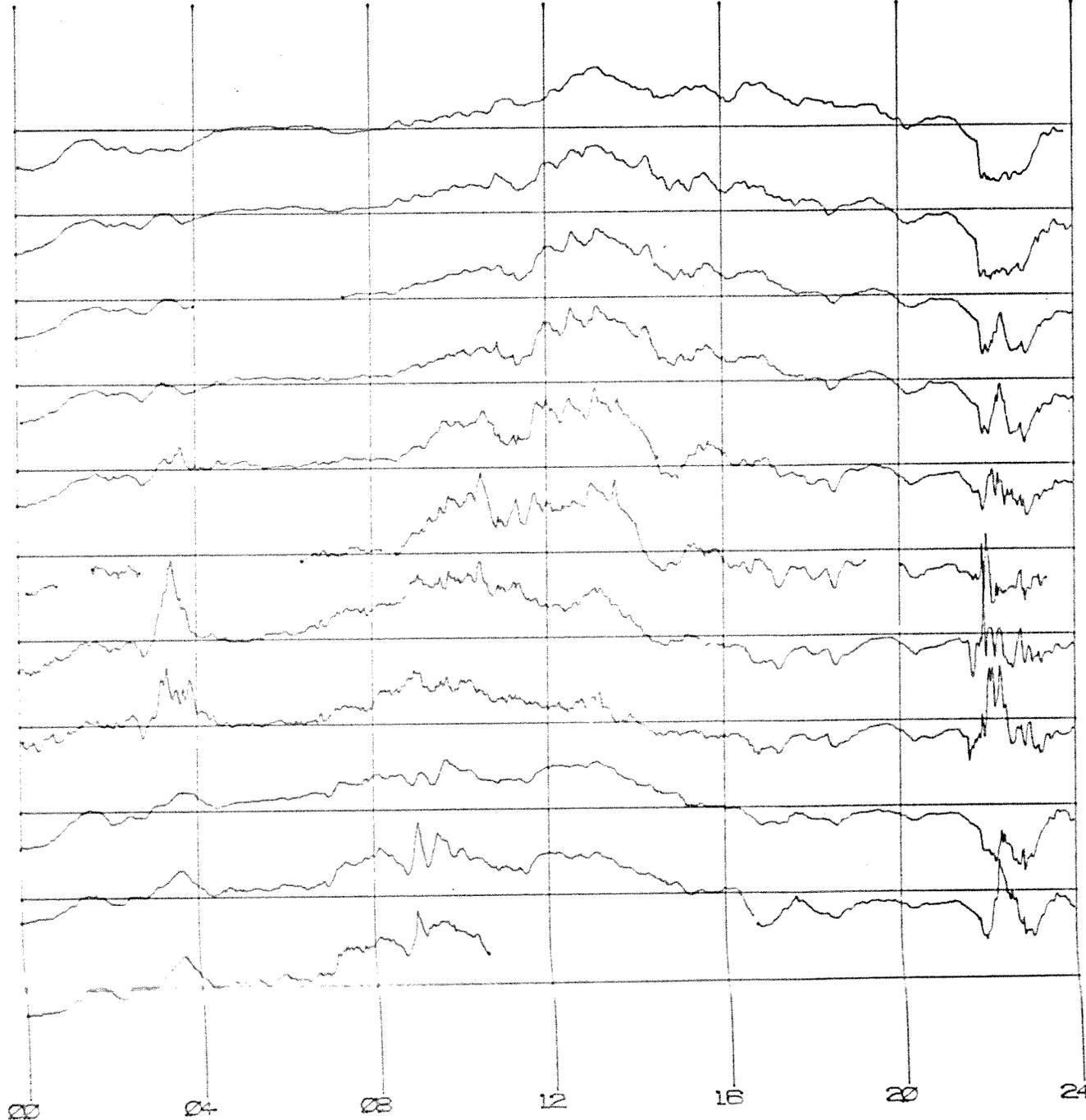
NS

NFD

TH

TH

2000



78
01/04

THL Z

LPN

LHG

GDH

STF

GBB

STB

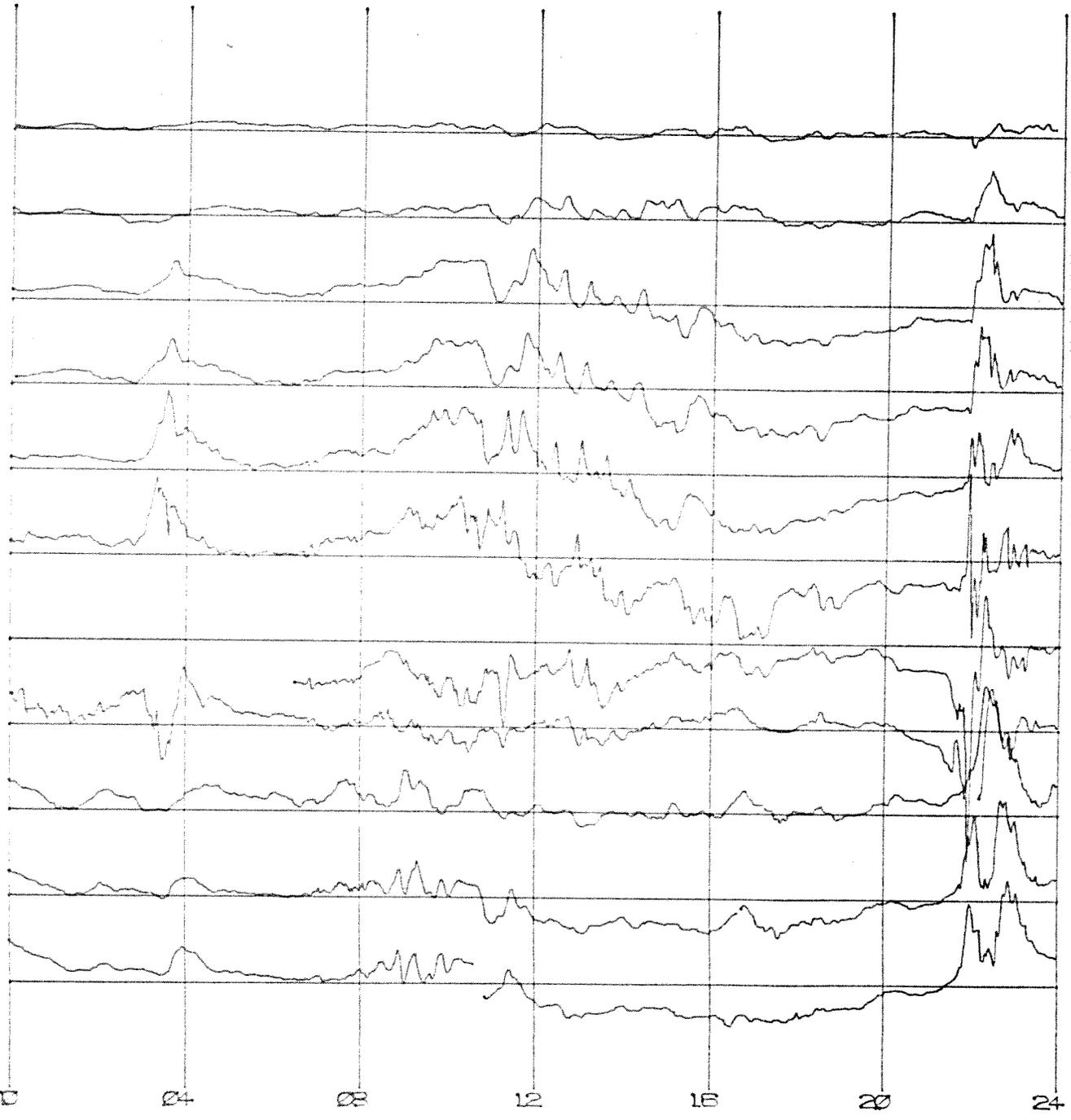
NAS

NFO

DTH

DNB

200
00 04 08 12 16 20 24



FILE 2 RECORD 1 LENGTH 4800BYTES

(0)	30313235	32303239	30383330	37393033	32325830	30544840	48202020	20202020	20202039	39393939
(40)	20393939	39392039	39393939	20393939	39392030	30303132	20303030	31312030	30303130	20303030
(80)	31302030	30303131	20303030	31322030	30303131	20303030	31312030	30303132	20303030	31322030
(120)	30303133	20303030	31322030	30303131	20303030	31312030	30303132	20303030	31312030	30303130
(160)	20303030	31312030	30303131	20303030	31312030	30303132	20303030	31322030	30303133	20303030
(200)	31332030	30303132	20303030	31312030	30303039	20303030	31302030	30303130	20303030	31312030
(240)	30303131	20303030	30392030	30303038	20303030	30382030	30303039	20303030	31302030	30303130
(280)	20303030	30392030	30303130	20303030	31302030	30303130	20303030	31312030	30303130	20303030
(320)	30392030	30303130	20303030	31302030	30303130	20303030	30392030	30303039	20303030	30382030
(360)	30303038	20303030	30392030	30303039	20303030	30372030	30303037	20303030	31302030	30303130
(400)	30313235	32303239	30383330	37393033	32325830	31544840	48202020	20202020	20202030	30303131
(440)	20303030	31312030	30303131	20303030	31312030	30303131	20303030	31302030	30303130	20303030
(480)	30392030	30303039	20303030	30392030	30303039	20303030	30382030	30303038	20303030	30382030
(520)	30303039	20303030	30382030	30303038	20303030	30382030	30303038	20303030	30382030	30303039
(560)	20303030	30392030	30303039	20303030	30382030	30303038	20303030	30382030	30303038	20303030
(600)	30372030	30303036	20303030	30362030	30303036	20303030	30362030	30303036	20303030	30362030
(640)	30303036	20303030	30362030	30303036	20303030	30372030	30303038	20303030	30392030	30303038
(680)	20303030	30382030	30303039	20303030	30392030	30303130	20303030	31302030	30303038	20303030
(720)	30372030	30303035	20303030	30342030	30303032	20303030	30322030	30303032	20303030	30322030
(760)	30303031	20303030	30312030	30303031	20303030	30312030	30303030	20303030	30302030	30303037
(800)	30313235	32303239	30383330	37393033	32325830	32544840	48202020	20202020	20202030	30303030
(840)	20303030	30302030	30303030	20303030	30312030	30303030	20303030	30302030	30303030	20303030
(880)	30302030	30303030	20303030	30302030	30303030	20303030	30302030	30303031	20303030	30322030
(920)	30303031	20303030	30312030	30303030	20303030	30302030	30303032	30303030	30322030	30303032
(960)	20303030	30322030	30303032	20303030	30322030	30303031	20303030	30302030	30303031	20303030
(1000)	30302030	30303030	20303030	30312030	30303033	20303030	30362030	30303035	20303030	30342030
(1040)	30303033	20303030	30342030	30303034	20303030	30362030	30303037	20303030	30362030	30303038
(1080)	20303030	30392030	30303039	20303030	30392030	30303039	20303030	30392030	30303130	20303030
(1120)	30392030	30303130	20303030	31302030	30303130	20303030	31322030	30303131	20303030	31322030
(1160)	30303131	20303030	31302030	30303039	20303030	30362030	30303037	20303030	30382030	30303034
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FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
4	66	67	4800	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 4 # OF PERMANENT READ ERRORS 0

START TIME 01/27/82 07:07:56 STOP TIME 01/27/82 07:08:26

D-47111

INPUT PARAMETERS ARE: AS FL=1=1 13

F1-9 3/22, 3/31, 4
F10-13 3/22, 3/31

TAPE NO.	1	FILE NO.	1
RECORD	1	LENGTH	2400
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6.79	16.00 5.00 5.25 10.00 7.00 9999.99 8.00 12.75 13.77 12.60 25.44 25.		6.00 10.00
11	14.26 25.73 20.46 6.72 15.3679 81 6 1 0.		
8.00	12.75 13.77 12.60 25.44 24.49 14.26 25.73 20.15 6.72 15.3679 81 6 2		
0.			
1.00	5.25 10.09 7.00 9999.99 9.00 12.25 13.50 12.04 25.16 24.49 14.26 26		6.00 10.00 6.79 16.00
.04	20.15 6.44 15.0479 81 6 3 0.		
13.23	11.76 24.60 24.49 13.33 26.35 19.84 6.16 15.0479 81 6 4 0.		6.00 10.00 6.79 16.00 7.00 4.25
9.27	7.00 9999.99 5.00 11.00 12.42 11.76 23.76 23.87 13.02 26.04 19.53		
5.88	15.3679 81 6 5 0.		
0	10.00 6.54 16.00 5.00 3.50 8.36 7.00 9999.99 7.00 11.00 12.42 11.76		
24.32	23.87 13.02 26.04 19.53 5.88 15.0479 81 6 6 0.		
9999.99	6.00 11.00 12.42 11.76 24.60 23.25 13.33 26.66 18.29 5.60 15.0479		6.00 9.00 6.54 16.00 4.00 3.50 8.45 7.50
81 6 7 0.			
04	15.00 5.00 3.50 8.55 7.00 9999.99 6.00 11.50 11.88 11.20 24.32 22.32		5.00 9.00 6.
12.71	26.66 17.98 5.60 15.0479 81 6 8 0.		
0	11.50 11.88 11.20 24.04 22.32 13.33 27.59 17.98 5.88 15.3679 81 6 9		
0.			
.00	3.50 7.73 7.00 9999.99 6.00 12.00 11.61 10.92 23.48 21.39 13.33 28.21		5.00 9.00 5.29 15.00 5
17.67	5.88 15.36		

TAPE NO.	1	FILE NO.	1
RECORD	72	LENGTH	2400
79	81 17 50 0.		
20.46	36.00 -4.00 -10.00 -64.00 -21.00 9999.99 -49.86 -52.00 -48.33 -48.72 3.32 -99.		-55.00 -53.00 -
20	-44.33 -56.42 -53.01 -61.88 -63.3679 81 17 51 0.		
9.02	-50.25 -46.71 -48.16 6.68 -97.65 -42.47 -53.01 -52.08 -61.60 -62.7279 81 17 52		
0.			
-2.00	-16.50 -62.00 -21.00 9999.99 -49.04 -48.75 -45.36 -46.20 6.68 -96.72 -39.37 -50		-46.00 -53.00 -23.71 35.00
.53	-48.05 -61.04 -62.7279 81 17 53 0.		
44.28	-43.40 6.96 -95.48 -34.41 -48.05 -46.81 -60.76 -61.4479 81 17 54 0.		
-63.00	-21.00 9999.99 -46.08 -50.75 -42.93 -41.72 9.48 -93.62 -31.62 -46.81 -44.64 -6		-43.00 -52.00 -23.96 33.00 -5.00 -21.25
0.48	-60.4879 81 17 55 0.		
0	-52.00 -24.96 33.00 -6.00 -21.50 -63.00 -20.00 9999.99 -45.10 -52.25 -40.23 -40.32		
15.08	-91.76 -31.31 -49.29 -44.33 -59.08 -57.9279 81 17 56 0.		
9999.99	-44.12 -53.25 -40.77 -40.88 12.84 -90.52 -31.62 -52.08 -43.71 -57.96 -56.6479		-33.00 -51.00 -31.21 31.00 -7.00 -21.75 -64.00 -19.00
81 17 57 0.			
96	30.00 -10.00 -22.50 -66.00 -18.00 9999.99 -42.14 -54.00 -41.04 -42.28 10.60 -89.28		-32.00 -52.00 -31.
-32.86	-54.87 -46.19 -58.80 -56.0079 81 17 58 0.		
6	-51.00 -45.90 -45.92 9.48 -87.73 -35.65 -54.56 -46.81 -59.36 -54.4079 81 17 59		
0.			
.00	-24.25 -60.00 -20.00 9999.99 -44.19 -51.00 -45.90 -45.92 9.48 -87.73 -35.65 -53.63		-37.00 -53.00 -32.96 29.00 -15
-47.12	-59.36 -54.40		

TAPE NO.	1	FILE NO.	2
RECORD	1	LENGTH	2400
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-0.59	12.00 -5.00 -4.67 -2.00 -2.00 9999.99 13.00 -12.79 -6.91 -6.88 13.46 15.		-6.00 1.00

11.25 10.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
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 90 12 7 0.
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 96 -3.00 -17.00 -11.25 -18.00 -25.00 9999.99 -21.00 -25.00 -22.95 -22.40 -17.92 -17.98
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TAPE NO. 1 FILE NO. 3
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TAPE NO. 1 FILE NO. 4
 RECORD 1 LENGTH 2400

179 90 12 0 0. -10.67 -6.00
 -9.67 7.00 -6.33 -6.02 0.0 0.0 9999.99 -3.33 -1.12 -1.99 -5.40 -0.98 3.
 86 -7.95 -8.10 -13.99 13.10 -10.2879 90 12 1 0.
 -10.33 -5.00 -9.65 7.00 -6.67 -6.00 0.0 0.0 9999.99 -
 2.67 -1.11 -1.98 -5.38 -0.98 4.55 -7.95 -7.68 -13.98 13.61 -10.3379 90 12 2
 0. -10.00 -5.00 -9.25 7.00
 -7.00 -5.99 0.0 0.0 9999.99 -2.00 -1.10 -1.98 -5.05 -1.00 5.92 -7.17 -7
 .47 -14.41 13.87 -9.9679 90 12 3 0.
 -10.00 -5.00 -8.84 7.00 -5.00 -5.97 0.0 -1.00 9999.99 -5.00 -1.09
 -1.98 -5.38 -1.45 7.06 -7.16 -7.69 -14.40 13.36 -9.5979 90 12 4 0.
 -10.00 -5.00 -9.14 7.00 -5.00 -5.94
 0.0 -1.00 9999.99 -5.00 -1.07 -2.65 -5.05 -1.01 7.30 -7.16 -7.27 -14.39 1
 3.10 -9.2279 90 12 5 0. -9.0
 0 -4.00 -9.24 8.00 -6.00 -5.26 0.0 -1.00 9999.99 -4.00 -0.40 -2.65 -5.38
 -1.47 8.23 -6.78 -7.28 -14.82 13.10 -9.2879 90 12 6 0.
 -9.00 -5.00 -9.73 7.00 -6.00 -6.58 0.0 -1.00
 9999.99 -4.00 -0.38 -2.65 -5.38 -1.03 8.91 -6.59 -6.86 -14.80 13.10 -8.9079
 90 12 7 0. -9.00 -5.00 -9.
 45 8.00 -6.00 -5.88 0.0 -1.00 9999.99 -4.00 -0.92 -2.64 -5.37 -1.05 9.60
 -6.40 -6.86 -15.01 12.59 -8.9079 90 12 8 0.
 -9.00 -5.00 -9.42 8.00 -5.00 -5.20 0.0 -1.00 9999.99 -4.0
 0 -0.91 -2.30 -5.04 -1.05 9.61 -6.04 -7.31 -15.23 12.97 -9.7479 90 12 9

32.00 -13.00 -25.00 -35.00 9999.99 -31.00 -17.00 -17.28 -15.40 -27.02 -16.74 -18.60 -26
.35 -25.11 151.38 -17.9279 91 5 53 0.
-37.00 -21.00 -21.71 -7.00 30.00 -13.00 -24.00 -35.00 9999.99 -30.00 -17.00 -
17.28 -15.40 -26.99 -16.74 -19.22 -26.35 -25.42 151.65 -17.9279 91 5 54 0.
-38.00 -21.00 -21.71 -8.00 30.00 -13.00
-25.00 -35.00 9999.99 -30.00 -17.00 -17.55 -15.40 -27.77 -17.36 -19.53 -26.35 -25.73 15
1.38 -17.9279 91 5 55 0. -38.00
0 -22.00 -21.71 -8.00 30.00 -12.50 -25.00 -35.00 9999.99 -30.00 -17.50 -16.74 -15.12
-27.96 -16.74 -19.84 -26.04 -26.04 151.38 -17.9279 91 5 56 0.
-38.00 -22.00 -21.71 -7.00 30.00 -12.50 -25.00 -35.00
9999.99 -29.00 -17.50 -16.74 -14.84 -27.28 -16.43 -19.22 -25.73 -26.66 151.40 -17.6079
91 5 57 0. -38.00 -22.00 -21.
21 -7.00 29.00 -12.50 -26.00 -35.00 9999.99 -29.00 -17.75 -16.20 -14.56 -26.63 -16.43
-18.91 -25.42 -26.66 151.40 -17.6079 91 5 58 0.
-38.00 -21.50 -21.21 -7.00 28.50 -13.00 -25.50 -35.00 9999.99 -30.00
0 -18.50 -15.93 -14.00 -26.26 -15.19 -17.67 -25.11 -27.28 151.27 -16.9679 91 5 59
0. -38.00 -21.00 -21.46 -7.00 29
.00 -13.00 -24.00 -35.00 9999.99 -30.00 -18.50 -16.20 -14.00 -26.26 -15.19 -17.67 -25.11
-27.28 150.99 -16.96

TAPE NO. 1 FILE NO. 6
RECORD 1 LENGTH 2400
L79 L91 0 0 0. -12.00 -9.00
6.75 -18.00 -30.00 -38.93 -15.00 -31.00 9999.99 -22.00 7.29 -13.20 -20.61 7.58 20.
77 46.94 31.48 34.72 7.51 30.7379 91 0 1 0.
-12.00 -9.00 -5.61 -16.00 -29.00 -40.93 -15.00 -31.00 9999.99 -2
2.00 7.29 -13.18 -20.71 7.54 20.60 43.73 30.59 34.71 7.59 29.8679 91 0 2
0. -11.33 -9.00 -4.84 -16.00
-28.67 -41.58 -14.33 -31.00 9999.99 -21.67 8.63 -12.18 -20.13 7.50 19.97 40.93 30
.55 34.70 7.75 29.8479 91 0 3 0.
-11.67 -9.00 -4.83 -15.00 -28.33 -41.57 -14.67 -31.00 9999.99 -23.33 9.30 -
11.83 -19.10 7.09 19.80 38.52 30.53 35.10 7.92 29.8379 91 0 4 0.
-12.00 -10.00 -4.83 -16.00 -28.00 -42.90
-14.00 -30.00 9999.99 -24.00 9.97 -11.82 -18.07 6.69 19.18 37.72 30.50 35.09
8.09 30.2479 91 0 5 0. -13.00
0 -10.00 -5.20 -15.00 -27.00 -43.55 -13.00 -30.00 9999.99 -23.00 9.98 -11.98 -18.06
5.85 19.01 37.73 30.05 35.09 8.51 30.6579 91 0 6 0.
-13.00 -9.00 -5.94 -15.00 -27.00 -44.87 -12.00 -30.00
9999.99 -22.00 9.99 -12.14 -18.05 4.64 19.28 37.33 30.45 35.07 8.67 31.9279
91 0 7 0. -14.00 -9.00 -5.
56 -15.00 -28.00 -44.19 -12.00 -30.00 9999.99 -22.00 9.34 -13.77 -18.03 3.45 19.55
37.32 30.42 35.06 8.83 33.1879 91 0 8 0.
-14.00 -10.00 -4.79 -15.00 -28.00 -45.52 -12.00 -29.00 9999.99 -23.0
0 8.69 -13.09 -20.04 0.64 19.56 37.33 30.40 35.48 8.82 34.4579 91 0 9
0. -15.00 -9.00 -3.65 -16.00 -27
.00 -46.84 -11.00 -29.00 9999.99 -22.00 8.70 -14.37 -20.19 -1.37 19.12 36.94 30.35
35.90 8.98 35.72

TAPE NO. 1 FILE NO. 6
RECORD 36 LENGTH 2400
L79 L91 5 50 0. -13.00 -3.00
-6.26 12.00 -3.00 -1.45 -2.00 -6.00 9999.99 9.00 -5.67 -4.95 -5.60 3.46 3.
01 7.03 -6.27 1.78 -2.12 13.4579 91 5 51 0.
-13.00 -2.50 -6.25 12.00 -1.50 -1.44 -2.00 -6.00 9999.99
6.00 -5.66 -4.61 -5.90 3.51 2.80 7.04 -6.07 1.76 -2.04 13.7679 91 5 52
0. -13.00 -2.00 -6.23 12.00
-1.00 -3.41 -1.00 -6.00 9999.99 5.00 -6.29 -4.60 -5.56 3.56 1.94 7.43 -6
.52 1.77 -2.31 14.6179 91 5 53 0.
-12.00 -2.00 -5.66 12.00 -2.00 -3.40 -1.00 -6.00 9999.99 6.00 -6.29
-4.93 -5.54 3.16 2.18 7.88 -6.11 2.21 -2.48 14.1679 91 5 54 0.
-12.00 -2.00 -5.47 12.00 -2.00 -3.39
-1.00 -6.00 9999.99 7.00 -6.28 -6.68 -5.87 3.61 2.42 8.68 -6.58 3.07 -
2.57 14.5779 91 5 55 0. -13.00
0 -2.00 -5.46 13.00 -2.00 -3.38 -1.00 -6.00 9999.99 6.00 -5.94 -6.37 -5.50

79	81	8	47	30.	38.111	18.435	79	81	8	52	30.
81	8	50	0.	38.226	18.599	79	81	8	55	0.	41.559
19.415	38.781	19.012	79	81	8	57	30.	44.060	17.211		
9	81	9	2	30.	43.737	17.541	79	81	9	5	0.
4	18.438	42.978	15.792	79	81	9	7	30.	43.963	18.746	42.30
79	81	9	12	30.	44.179	17.062	79	81	9	17	
30.	42.615	19.974	79	81	9	20	0.	43.495	18.541		4
3.697	19.598	79	81	9	22	30.	43.006	17.811	79	81	9
79	81	9	25	0.	42.644	17.360	79	81	9	32	30.
30	0.	42.820	18.162	79	81	9	35	0.	43.340	12.868	
43.714	16.450	79	81	9	37	30.	41.666	14.449	79	81	9
9	42	30.	40.235	12.983	41.275	13.522	79	81	9	45	0.
.373	40.012	13.724	79	81	9	47	30.	41.281	14.723	40.734	14
81	9	55	0.	42.156	15.647	41.275	15.280	79	81	9	57
16.513	42.456	15.770	79	81	10	0	0.	44.717	17.763	42.913	
79	81	10	7	30.	46.599	16.412	46.172	16.682			

TAPE NO. 1 FILE NO. 7

RECORD	3	LENGTH	7040	79	81	14	22	30			
L79	L81	14	20	0.	-25.060	-0.604	79	81	14	22	30
62	-1.536	-25.940	-0.379	79	81	14	25	0.	-26.591	-1.650	-25.9
79	81	14	30	0.	-27.380	-1.105	79	81	14	35	
24.465	3.561	-26.173	2.749	79	81	14	37	30.	-21.896	5.352	
79	81	14	42	30.	-19.633	1.993	79	81	14		
47	30.	-22.225	-0.871	79	81	14	50	0.	79	81	14
-27.842	-8.937	-27.510	-6.763	79	81	14	52	30.	-27.031	-14.26	
6	79	81	14	55	0.	-25.462	-19.822	79	81		
15	0	0.	-26.776	-35.148	79	81	15	2	30.	79	81
9.860	-33.379	-38.033	79	81	15	5	0.	-36.367	-53.793	-35.213	-4
81	15	12	30.	-37.211	-59.576	-36.794	-57.292	79	81	15	15
-62.446	-38.397	-62.183	79	81	15	17	30.	-42.500	-63.632	-40.197	0.
79	81	15	22	30.	-44.655	-63.486	79	81	15	15	0.
0.	-46.809	-58.282	-46.333	-61.404	79	81	15	30	0.	79	81
017	-57.048	79	81	15	32	30.	-46.698	-59.983	-45.807	-58.415	27
0	79	81	15	37	30.	-50.353	-57.886	79	81	15	27
-53.966	-54.338	-53.625	-55.382	79	81	15	42	30.	-53.482	-54.136	0.
5	52	30.	79	81	15	45	0.	-55.816	-60.153		
-60.500	-61.926	-58.337	-61.625	-56.923	-60.662	79	81	15	55	0.	79
67	79	81	16	0	0.	-63.988	-60.623	-62.335	-60.8		
79	81	16	2	30.	-66.612	-58.646	79	81			

-18.364	-0.586	79	90	13	25	0.	-18.767	-0.184						
		79	90	13	27	30.	-19.237	-0.300						
3	32	30.	79	90	13	30	0.	-19.345	-0.677	79	90	1		
	-19.645	-1.750												
72			79	90	13	37	30.	-19.925	-2.6					
			79	90	13	40	0.	-20.315	-2.773					
0	13	45	0.							79	9			
	-20.280	-3.548												
-3.278			79	90	13	50	0.	-19.740	-3.333					
			79	90	13	52	30.	-19.800	-4.196					
90	13	57	30.							79				
	-20.359	-5.356												
-4.993			79	90	14	2	30.	-20.399	-4.711					
			79	90	14	5	0.	-19.886	-5.696					
79	90	14	10	0.						79	90	14	12	
30.			-19.842	-7.733										
.092	-8.273													
			79	90	14	17	30.	-20.116	-9.667					
			79	90	14	20	0.	-20.098	-8.978					
25	0.		-20.111	-9.728						79	90	14		
-20.038	-10.292													
			79	90	14	30	0.	-19.946	-11.725					
			79	90	14	32	30.	-20.064	-12.012					
14	37	30.								79	90			
	-20.377	-11.364												
292			79	90	14	42	30.	-22.461	-10.					
			79	90	14	45	0.	-22.702	-10.126					
			79	90	14	47	30.	-22.619	-9.957					
90	14	50	0.							79	90	14	52	30.
	-23.046	-8.614												
-9.481			79	90	14	55	0.	-22.658	-9.654					
			79	90	14	57	30.	-23.266	-9.603					
9	90	15	2	30.						79	90	15	5	0.
	-24.493	-8.859												
6	-9.244		79	90	15	7	30.	-25.001	-9.152					
			79	90	15	10	0.	-24.780	-8.995					
			79	90	15	12	30.	-25.139	-8.883					
79	90	15	15	0.						79	90	15	17	
30.			-24.985	-9.224										
5.340	-9.476									79	90	15	20	0.
			79	90	15	22	30.	-25.785	-9.992					
			79	90	15	25	0.	-26.116	-10.781					
			79	90	15	27	30.	-26.530	-11.559					
30	0.		-26.442	-12.067						79	90	15	32	30.
-26.789	-12.310													
			79	90	15	35	0.	-27.504	-13.120					
			79	90	15	37	30.	-28.473	-14.217					
15	42	30.								79	90			
	-30.098	-15.599												
.907			79	90	15	47	30.	-30.698	-15					
			79	90	15	50	0.	-31.368	-16.019					
			79	90	15	52	30.	-31.966	-17.027					
90	15	55	0.							79	90	15	57	30.
	-32.497	-19.398												
-18.363			79	90	16	0	0.	-31.684	-18.124					
			79	90	16	2	30.	-30.949	-17.347					
79	90	16	5	0.										
			79	90	16	7	30.	-29.859	-15.806					

TAPE NO.	1	FILE NO.	8											
RECORD	3	LENGTH	7040											
79	90	20	0.	-25.939	13.509	79	90	20	22	30				
68	13.155					79	90	20	25	0.	-24.8			
			79	90	20	27	30.	-25.214	13.402					
			79	90	20	30	0.	-25.045	13.001					
79	90	20	32	30.						79	90	20	35	
0.			-25.707	10.666										
26.201	9.168									79	90	20	37	30.
			79	90	20	40	0.	-26.412	10.239					

47	30.	-29.743	11.658	79	90	20	50	0.	79	90	20	50	0.								
-30.788	11.908			79	90	20	52	30.					-32.320	13.34							
1				79	90	20	55	0.					-33.492	13.680							
				79	90	20	57	30.					-34.387	14.519	79	90					
21	0	0.	-35.848	16.458					79	90	21	2	30.								
-37.039	17.154								79	90	21	5	0.			-37.907	1				
8.187				79	90	21	7	30.					-37.966	17.477							
				79	90	21	10	0.					-37.546	17.341			79				
90	21	12	30.	-36.161	18.954				79	90	21	15	0.								
				-34.947	17.569				79	90	21	17	30.				-33.986				
15.860						79	90	21	20	0.			-32.370	14.221							
				79	90	21	22	30.					-32.036	12.536							
79	90	21	25	0.					-32.022	12.261					79	90	21	27	3		
0.				-31.905	13.130				79	90	21	30	0.						-31.		
668	13.489					79	90	21	32	30.			-31.353	13.992							
				79	90	21	35	0.					-31.832	13.444							
				79	90	21	37	30.					-31.630	14.078			79	90	21	4	
0	0.			-32.554	14.159				79	90	21	42	30.								
-33.200	14.040					79	90	21	45	0.			-33.901	13.996							
				79	90	21	47	30.					-35.074	13.879							
				79	90	21	50	0.					-35.168	13.185			79	90	2		
1	52	30.		-34.977	13.222				79	90	21	55	0.								
-33.997	14.619					79	90	21	57	30.			-33.640	13.0							
69						79	90	22	0	0.			-32.578	10.676							
				79	90	22	2	30.					-31.341	9.118					79	9	
0	22	5	0.			-30.453	8.715						79	90	22	7	30.				
-30.277	8.346								79	90	22	10	0.								-30.271
8.404						79	90	22	12	30.			-30.145	7.340							
				79	90	22	15	0.					-29.841	4.686							79
90	22	17	30.			-28.974	3.972						79	90	22	20	0.				
				-27.172	3.276				79	90	22	22	30.								-25.637
1.267						79	90	22	25	0.			-24.595	-0.148							
				79	90	22	27	30.					-24.298	-0.686							
79	90	22	30	0.					-24.111	-0.550					79	90	22	32			
30.				-24.226	0.350				79	90	22	35	0.								-24
.778	1.573					79	90	22	37	30.			-25.220	3.460							
				79	90	22	40	0.					-26.071	4.629							
				79	90	22	42	30.					-26.446	6.257					79	90	22
45	0.			-27.789	8.012				79	90	22	47	30.								
-28.767	9.159					79	90	22	50	0.			-29.088	8.601							
				79	90	22	52	30.					-28.760	8.433							
				79	90	22	55	0.					-27.367	10.225					79	90	
22	57	30.		-27.427	12.564				79	90	23	0	0.								
-28.208	14.046					79	90	23	2	30.			-27.104	14.							
553						79	90	23	5	0.			-26.455	14.013							
				79	90	23	7	30.					-26.556	13.241							79
90	23	10	0.			-26.212	14.492						79	90	23	12	30.				
				-26.000	15.010				79	90	23	15	0.								-27.205
13.674						79	90	23	17	30.			-28.350	13.352							
				79	90	23	20	0.					-28.527	10.406							7
9	90	23	22	30.					-28.173	7.225					79	90	23	25	0.		
				-27.742	5.171								79	90	23	27	30.				-27.40
8	3.560					79	90	23	30	0.			-26.570	1.793							
				79	90	23	32	30.					-25.844	-0.338							
79	90	23	35	0.					-26.535	-1.678					79	90	23	37			
30.				-27.126	-1.305				79	90	23	40	0.								-2
7.542	-2.408					79	90	23	42	30.			-28.437	-3.141							
				79	90	23	45	0.					-29.108	-3.789							
				79	90	23	47	30.					-30.284	-5.311					79	90	23
50	0.			-31.159	-4.799				79	90	23	52	30.								
-32.094	-3.670					79	90	23	55	0.			-32.595	-2.296							
				79	90	23	57	30.					-33.041	-1.538							

79	91	0	0	0.	-19.726	-14.421	79	91	0	2	30							
					-19.399	-15.094	79	91	0	5	0.	-19.0						
73	-15.309						79	91	0	7	30.	-18.530	-16.188					
							79	91	0	10	0.	-18.992	-18.478					
							79	91	0	12	30.	-19.653	-20.740	79	91	0	15	
0.							79	91	0	17	30.							
19.725	-21.942						79	91	0	20	0.	-19.891	-21.752					
							79	91	0	22	30.	-20.490	-21.591					
27	30.						79	91	0	25	0.	-20.883	-21.437			79	91	0
							79	91	0	30	0.	-21.346	-21.185			79	91	0
							79	91	0	32	30.	-22.078	-20.43					
6							79	91	0	35	0.	-23.155	-20.015					
							79	91	0	37	30.	-24.039	-19.665			79	91	
0	40	0.					79	91	0	42	30.	-25.046	-20.230			79	91	
							79	91	0	45	0.	-25.831	-21.246			-26.120	-2	
1.588							79	91	0	47	30.	-26.875	-23.063					
							79	91	0	50	0.	-27.345	-24.920					79
91	0	52	30.				79	91	0	55	0.	-28.454	-26.918			79	91	0
							79	91	0	57	30.	-29.414	-27.622			-29.947		
							79	91	0	57	30.	-27.654						
							79	91	1	0	0.	-30.655	-28.193					
							79	91	1	2	30.	-30.734	-28.506					
79	91	1	5	0.			79	91	1	7	3	-31.687	-28.688			79	91	1
0.							79	91	1	10	0.	-32.110	-28.037					7
520	-27.555						79	91	1	12	30.	-33.277	-27.422					-32.
							79	91	1	15	0.	-33.268	-26.503					
							79	91	1	17	30.	-33.180	-25.843			79	91	1
0	0.						79	91	1	22	30.	-32.996	-23.995			79	91	1
							79	91	1	25	0.	-32.357	-22.680			-31.564	-21.389	
							79	91	1	27	30.	-31.010	-19.881					
							79	91	1	30	0.	-29.843	-18.426			79	91	
1	32	30.					79	91	1	35	0.	-28.686	-16.724			79	91	
							79	91	1	37	30.	-28.141	-16.202			-27.891	-15.0	
52							79	91	1	40	0.	-27.484	-13.548					
							79	91	1	42	30.	-26.939	-13.197			79	9	
1	1	45	0.				79	91	1	47	30.	-25.796	-13.461			79	91	
							79	91	1	50	0.	-24.132	-12.472			-22.498	-	
12.006							79	91	1	52	30.	-22.008	-12.390					
							79	91	1	55	0.	-21.016	-12.339					79
91	1	57	30.				79	91	2	0	0.	-20.245	-11.708			79	91	2
							79	91	2	2	30.	-19.746	-12.246			-20.222		
							79	91	2	5	0.	-11.293				-21.862	-12.614	
							79	91	2	7	30.	-22.602	-14.111					
79	91	2	10	0.			79	91	2	12		-21.615	-14.869			79	91	2
30.							79	91	2	15	0.	-21.213	-15.697			-21		
.142	-14.709						79	91	2	17	30.	-21.642	-14.424					
							79	91	2	20	0.	-26.004	-19.937					
							79	91	2	22	30.	-26.366	-19.307			79	91	2
25	0.						79	91	2	27	30.	-26.245	-17.877			-24.926	-16.777	
							79	91	2	30	0.	-25.729	-17.357					
							79	91	2	32	30.	-24.306	-15.830					
							79	91	2	35	0.	-24.221	-15.902			79	91	
2	37	30.					79	91	2	40	0.	-24.031	-16.105			79	91	
							79	91	2	42	30.	-24.463	-17.184			-24.855	-18.	
606							79	91	2	45	0.	-25.728	-20.435					
							79	91	2	47	30.	-26.228	-22.553			79		
91	2	50	0.				79	91	2	52	30.	-26.794	-24.852			79	91	2
							79	91	2	55	0.	-27.097	-25.576			-27.084		
							79	91	2	57	30.	-26.249						
							79	91	3	0	0.	-27.338	-26.843			-27.142	-26.406	
9	91	3	2	30.			79	91	3	5	0.	-27.969	-26.582			79	91	3
							79	91	3	7	30.	-28.151	-26.060			-28.87		
6	-27.575						79	91	3	10	0.	-29.593	-27.226					
							79	91	3	12	30.	-29.864	-27.248					
							79	91	3	15	0.	-29.190	-26.261			79	91	3
																17		

9.9901830.000 62.0001914.000 46.000-139.0001997.000 79 81 6 6 0. 17.000777
140.0001997.000 79 81 6 7 0. 79.0002139.0001834.000 61.0001913.000 46.000-
78.0002138.0001838.000 60.0001914.000 46.000-141.0001996.000 79 81
6 8 0. 78.0002126.0001838.000
63.0001914.000 46.000-140.0001997.000 79 81 6 9 0.
78.0002141.0001833.000 64.0001915.000 46.000-140.0001997.000

TAPE NO. 1 FILE NO. 10
RECORD 72 LENGTH 1600

79 81 17 50 0. 248.0002338.000198
9.000 4.0001848.000 37.000 -58.0001983.000 79 81 17 51 0.
998.000 79 81 17 52 0. 248.0002324.0001982.000 13.0001872.000 48.000 -76.0001
241.0002312.0001970.000 11.0001881.000 43.000 -81.0002023.000 79 81 17 53
0. 244.0002317.0001973.000 16.00018
90.000 49.000 -63.0002031.000 79 81 17 54 0.
248.0002316.0001978.000 26.0001906.000 65.000 -51.0002017.000
79 81 17 55 0. 259.000233
0.0001982.000 36.0001921.000 70.000 -50.0002005.000 79 81 17 56 0.
-43.0002004.000 79 81 17 57 0. 281.0002354.0001995.000 49.0001935.000 77.000
17 58 0. 288.0002363.0002009.000 56.0001938.000 77.000 -53.0002004.000 79 81
65.0001946.000 69.000 -84.0001996.000 79 81 17 59 0. 302.0002364.0002025.000
307.0002371.0002023.000 72.0001956.000 59.000-109.0001988.000

TAPE NO. 1 FILE NO. 11
RECORD 1 LENGTH 1600

79 81 6 0 0. 12.0009999.990 -3
0.000-107.000-112.000-213.000 -31.000 65.000 79 81 6 1 0. 12.0009999.990 -30.000-109.000-112.000-213.000 -23.000
65.000 79 81 6 2 0. 12.0009999.990 -30.000-109.000-112.000-212.000 -33.000 65.000 79 81 6 3
0. 13.0009999.990 -30.000-109.000-112.000-212.000 -33.000 65.000 14.0009999.990 -30.000-107.000-1
12.000-212.000 -42.000 65.000 79 81 6 4 0. 15.0009999.990 -31.000-106.000-112.000-212.000 -34.000 66.000
9.990 -30.000-107.000-112.000-212.000 -33.000 66.000 79 81 6 5 0. 15.0009999
-32.000 65.000 79 81 6 6 0. 15.000 -44.000 -31.000-106.000-112.000-212.000
6 8 0. 14.000 -44.000 -31.000-106.000-111.000-212.000 -32.000 65.000 79 81
07.000-110.000-212.000 -32.000 66.000 79 81 6 7 0. 15.000 -51.000 -31.000-1
15.000 -38.000 -31.000-108.000-109.000-211.000 -32.000 66.000

TAPE NO. 1 FILE NO. 11
RECORD 72 LENGTH 1600

79 81 17 50 0. 101.000 31.000 2
8.000 18.000 -56.000-170.000 -29.000 89.000 79 81 17 51 0. 87.000 16.000 8.000 -12.000 -73.000-176.000 -28.000
75.000 79 81 17 52 0. 80.000 5.000 -8.000 -26.000 -85.000-181.000 -33.000 60.000 79 81 17 53
0. 83.000 4.000 -16.000 -33.000 -
91.000-188.000 -40.000 74.000 79 81 17 54 0. 70.000 -7.000 -33.000 -46.000 -88.000-190.000 -37.000 93.000
79 81 17 55 0. 63.000 -1
4.000 -23.000 -42.000 -88.000-189.000 -34.000 99.000 79 81 17 56 0. 62.000 -17.000 -17.000 -48.000 -99.000-193.000
-36.000 99.000 79 81 17 57 0. 64.000 -16.000 -17.000 -60.000-102.000-192.000 -32.000 100.000 79 81

50.000 -38.000 -52.000 -91.000-104.000-191.000 -19.000 97.000

TAPE NO. 1 FILE NO. 12
RECORD 1 LENGTH 1600

79 90 12 0 0. 100.0009999.990189
1.000 55.0001900.000 41.000-149.0001995.000 79 90 12 1 0.
995.000 79 90 12 2 0. 101.0009999.9901893.000 46.0001900.000 39.000-151.0001
99.0009999.9901899.000 51.0001897.000 39.000-152.0001994.000 79 90 12 3
0. 98.0009999.9901898.000 48.00018
97.000 37.000-155.0001995.000 79 90 12 4 0. 104.000999
79 90 12 5 0. 103.0009999.9901895.000 44.0001899.000 39.000-156.0001995.000
9.9901889.000 47.0001900.000 40.000-153.0001995.000 79 90 12 6 0. 104.0009999
155.0001995.000 79 90 12 7 0. 104.0009999.9901883.000 49.0001899.000 40.000-
12 8 0. 103.0009999.9901886.000 48.0001898.000 40.000-153.0001995.000 79 90
49.0001898.000 40.000-168.0001995.000 79 90 12 9 0. 102.0009999.9901884.000
103.0009999.9901890.000 46.0001899.000 41.000-153.0001996.000

TAPE NO. 1 FILE NO. 12
RECORD 72 LENGTH 1280

79 90 23 50 0. -77.0009999.990174
2.000 -7.0001981.000 103.0009999.9902008.000 79 90 23 51 0.
006.000 79 90 23 52 0. 9999.9909999.9901739.000 5.0001980.000 102.0009999.9902
9999.9909999.9901740.000 15.0001983.000 102.0009999.9902002.000 79 90 23 53
0. 9999.9909999.9901745.000 26.00019
90.0009999.9909999.9902000.000 79 90 23 54 0. 9999.9909999.9901751.000 33.0001992.0009999.9909999.9902001.000
79 90 23 55 0. 9999.9909999
9.9901759.000 40.0001992.0009999.9909999.9902000.000 79 90 23 56 0. 9999.9909999
999.9902004.000 79 90 23 57 0. 9999.9909999.9909999.990 46.0002003.0009999.9909
9999.9909999.9909999.9909999.9902012.0009999.9909999.9902008.000

TAPE NO. 1 FILE NO. 13
RECORD 1 LENGTH 1600

79 90 12 0 0. 29.0009999.990 -1
5.000 -97.000 -96.000-185.000 -12.000 79.000 79 90 12 1 0.
79.000 79 90 12 2 0. 29.0009999.990 -16.000 -91.000 -99.000-186.000 -13.000
27.0009999.990 -17.000 -96.000-103.000-188.000 -14.000 79.000 79 90 12 3
0. 27.0009999.990 -17.000 -93.000-1
03.000-189.000 -14.000 79.000 79 90 12 4 0. 26.0009999.990 -17.000 -87.000-104.000-190.000 -14.000 79.000
79 90 12 5 0. 24.0009999
9.990 -19.000 -92.000-106.000-190.000 -13.000 79.000 79 90 12 6 0. 22.0009999.990 -19.000 -96.000-104.000-189.000
-15.000 79.000 79 90 12 7 0. 21.0009999.990 -19.000 -94.000-103.000-188.000 -16.000 80.000 79 90
12 8 0. 21.0009999.990 -19.000 -
99.000-104.000-189.000 -27.000 79.000 79 90 12 9 0. 22.0009999.990 -20.000-100.000-107.000-191.000 -18.000 79.000

TAPE NO. 1 FILE NO. 13
RECORD 72 LENGTH 1280

79 90 23 50 0. 143.0009999.990 7
7.000 -24.000-107.000-191.0009999.990 52.000 79 90 23 51 0.
9999.9909999.990 77.000 -26.000-112.000-195.0009999.990

0.
22.0009999.9909999.990 40.000 79 90 23 54 0.
9999.9909999.990 65.000 -45.000-118.0009999.9909999.990 36.000
9.990 63.000 -56.000-113.0009999.9909999.990 33.000 79 90 23 56 0.
999.990 29.000 79 90 23 57 0.
9999.9909999.9909999.990-118.0009999.9909999.990 28.000

***** JOB DONE.
SWEO LPS

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-28I

GG-28G

DST ASYMMETRY VALUES, MID LAT MAGNETOMETER CHAIN

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, ASCII with 13 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47111	C-21978	3/22/79, 3/31/79, 4/1/79 Files 1-9
		3/22/79, 3/31/79 Files 10-13

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-281

DATE DATA RECEIVED: 3/1/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 mag Tape

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: Orbit Summary Values from the magnetometer

CONTACT: _____ ACQUISITION SCIENTIST: WMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD D-4711 C-21118

REMARKS:

1600 ascii 9 trk 13 files
 Files 1-9 3/22/79, 3/31/79, 4/1/79
 10-13 3/22/79, 3/31/79,

CDaw

DATA RECEIPT NOTIFICATION SENT?

Moran
DATA TECHNICIAN

ZDST; ZML
X-69
N-3736

Date 02/25/82
NSSDC ID GG-28I
~~GG-28G~~
GG-28G

CDAW DATA SET ENTRY

Date Rcvd : 02/08/82 CDB: 06

Data Sent By : R. McPherron

Material Rcvd : 1 mag tape

4 pp document.

per-file dumps

Satellite/NRDF Name: _____

Data Set Name : new - Dst and Asymmetry Values
repl - Mid-Latitude Magnetometer Chain

New Data Set Additions Replacements
Comments GG-28I is new; GG-28G file is replacement

Time Coverage : 79/03/22 - 79/03/31

Tapes To be Returned to: _____

Completed By: Ellen Teague

CN INFORMATION

To facilitate the loading of data into a WSP 2.0 data base, please supply the following information. Fill out one form for each data set to be loaded.

CN name, CE name, and library location CN0661 CE06ZDST

Author of CN, CE routines N. Schofield

Uniques routines called by this CN, should be cataloged with the CN _____

Experiment name Dst and Dawn-Dusk Asymmetry NSSDC ID GG-28I

Scientist handling experiment R. Mc Pherron

Data set mnemonic ZDST Total # of items to be loaded 2

List of item #'s to be loaded 1, 2

Tape #	# of files	# of tracks	density	start/stop time
N-69	9 (15)	9	1600 bpi	81/0 - 90/0 -
N-3736				91/0 -

Typical data point separation 150 sec

Minimum data point separation 150 sec Total # of points _____

Any other information _____

Tape N3736 also contains the Mid-Latitude Magnetometer Chain Data used by CN0643. This folder contains the tape listings and formats for the entire tape.

Tape N3736, files 10 to 15 contain the Alaska Magnetometer Chain Data.

CDAW-6 DATA TAPE
SSC 599

(= N3736 = X69)

This tape contains nine files of data for the CDAW-6 database. The first six files contain differenced data where a quiet day (March 14) has been subtracted from the storm data to remove the diurnal and local magnetic variations at each of twenty midlatitude stations. The last three files contain D_{st} and asymmetry for the disturbed intervals.

The data in each file is as follows:

1. March 22 1979 0600-1800; one minute resolution; H component
2. March 22 1979 0600-1800; one minute resolution; D component
3. March 31 1979 1200-2400; one minute resolution; H component
4. March 31 1979 1200-2400; one minute resolution; D component
5. April 01 1979 0000-0600; one minute resolution; H component
6. April 01 1979 0000-1800; one minute resolution; D component
7. March 22 1979 0600-1800; 2.5 minute resolution; Asym and D_{st}
8. March 31 1979 1200-2400; 2.5 minute resolution; Asym and D_{st}
9. April 01 1979 0000-0600; 2.5 minute resolution; Asym and D_{st}

Tape characteristics:

9 track

1600 bpi

ASCII character data format

First six files:

240 byte logical record size

2400 byte physical block size

Last three files:

80 byte logical record size

8000 byte physical block size

Format of data records:

First six files:

The 240 byte logical record can be divided into three 80 byte units. One logical record contains a single data point with one value for all stations.

Each two-record set has the following format:

Record one

I2 - last two digits of year
2X
I3 - day of year
2X
I2 - hour of day
2X
I2 - minute of hour
2X
F3.0 - second of minute
60X

$\Delta t = 60 \text{ s}$

Record two

F8.2 Johnson Pt.
" Sachs Harbour
" Cape Parry
" Inuvik
" Arctic Village
" Fort Yukon
" College
" Talkeetna

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-28H

ALASKA MAGNETOMETER STATIONS

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, EBCDIC with 1 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47248	C-22063	3/22/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-28H

DATE DATA RECEIVED: 1/19/72

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	<u>1 Mag tape</u>

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: Alaska Magnetometer Stations

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 472 48 C-22063

REMARKS:

CDHW

DATA RECEIPT NOTIFICATION SENT?

Thorne

DATA TECHNICIAN

Date Jan 17 1982
NSSDC ID GG-28H

CDAW DATA SET ENTRY

Date Rcvd : Jan 17 1982 EDB : ϕ6

Data Sent By : G. Rastker

Material Rcvd : Documentation of tape, listing

Verification Plot

1 tape

Satellite/NSRF Name : GG-28H

Data Set Name : Alaska Magnetometer Stations

New Data Set Additions Replacements

Comments Same format as 26 CONϕ666

Time Coverage : 1979 Day 81 06-18^h

Tapes To be Returned to : _____

Completed By : M. Teague

Tape parameters: 9 track
 1600 bpi
 unlabelled
 fixed length blocked (OS/360 format FB)
~~720~~⁷²⁰ bytes/block
 120 bytes/record (all records padded to 120 bytes)
~~61~~⁶ records/block

Each block consists of header record and one hour of data of one component from one station.

HEADER RECORD: NST, NCOMP, IYR, IDY, IHR, IMIN, SEC, RINT, IPTS

FORMAT: (A4, A1, 4I8, 2F7.2, I8)

NST - station name	.PROV - Ft. Providence	JOP	Johnson Point
	_HAYR - Hay River	SAH	Sachs Harbour
	_SMIT - Ft. Smith	LNK	Inuvik
	_URAN - Uranium City	AVI	Arctic Village
	_LEDU - Leduc	FYU	Fort Yukon
	_MCMU - Ft. McMurray	COL	College
	_FTCH - Ft. Chipewyan	TLK	Talkeetna

NCOMP - component H
 D
 Z

IYR - year Start time of block
 IDY - day
 IHR - hour
 IMIN - minute
 SEC - second
 RINT - sample interval
 IPTS - number of data points in block

DATA RECORDS: 12 points per record

FORMAT: (12F10.2)

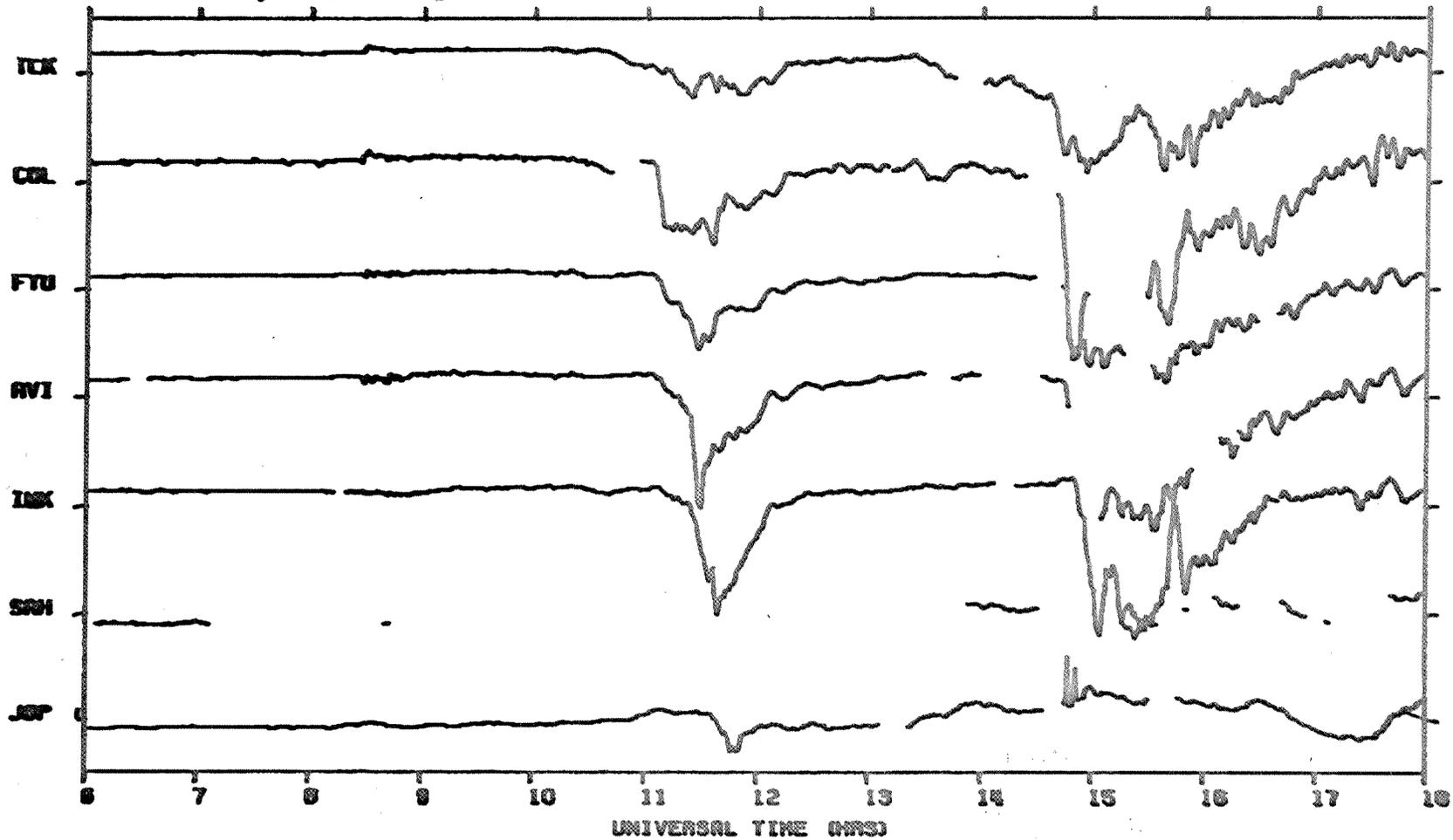
missing data points are given the value 99999.0

ROCKETOMETER

H

DAY 01 1979, MAR. 22

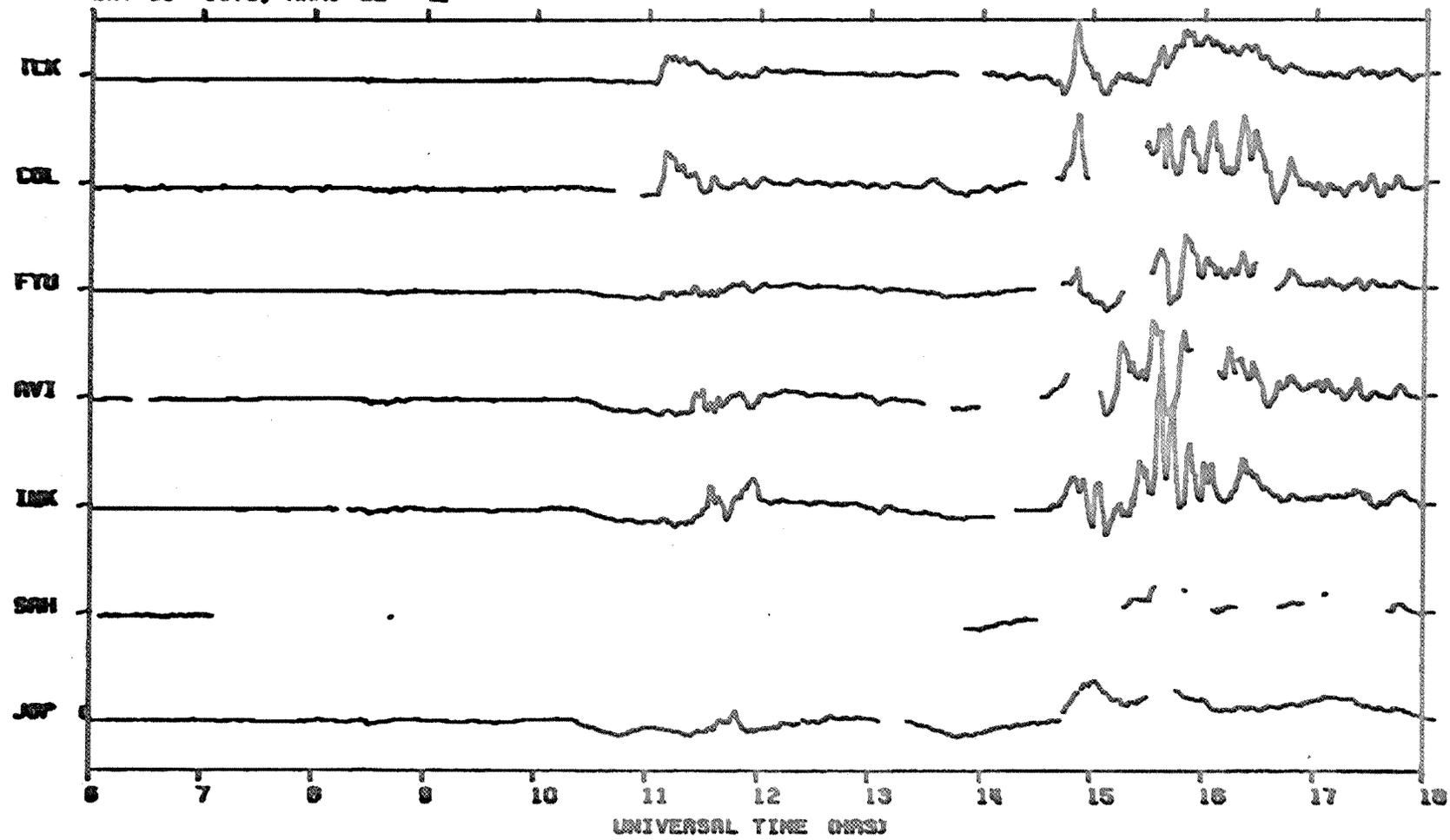
1000 NT



MAGNETOMETER

DAY 01 1979, MAR. 22

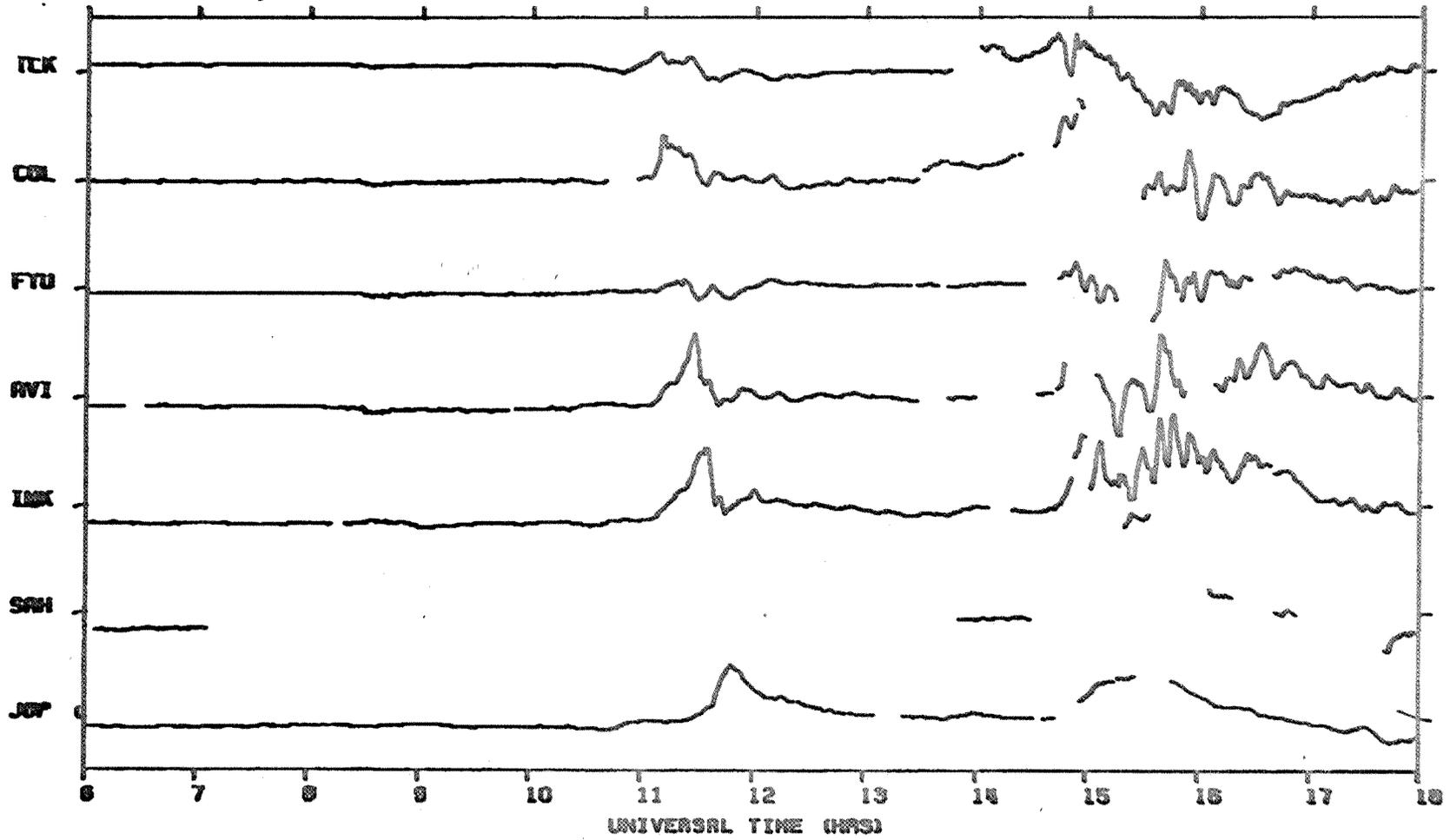
1000 NT



MAGNETOMETER

Z
DAY 01 1979, MAR. 22

400 NT



D-47248
3/22/79

INPUT TAPE X395 ON MT4
DATA INPUT H9 FL 1 1 1

FILE	1	RECORD	1	LENGTH	720	BYTES										
(0)	D1D6D740	C8404040	40F1F9F7	F9404040	40404048	F1404040	40404040	F6404040	40404040	F0404040	40404040	F0404040	40404040	F0404040		
(40)	F04BF040	4040F6F0	4BF0F040	40404040	40F6F040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040		
(80)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040		
(120)	40404040	60F1F14B	F0F04040	404060F1	F24BF0F0	40404040	60F1F34B	F0F04040	404060F1	F34BF0F0	40404040	60F1F14B	F0F04040	404060F1		
(160)	40404040	60F1F14B	F0F04040	404060F1	F04BF0F0	40404040	60F1F04B	F0F04040	404060F1	F14BF0F0	40404040	60F1F14B	F0F04040	404060F1		
(200)	40404040	60F1F14B	F0F04040	404060F1	F14BF0F0	40404040	60F1F14B	F0F04040	404060F1	F04BF0F0	40404040	60F1F14B	F0F04040	404060F1		
(240)	40404040	4060F94B	F0F04040	404060F1	F04BF0F0	40404040	4060F94B	F0F04040	40404060	F84BF0F0	40404040	4060F94B	F0F04040	40404060		
(280)	40404040	4060F74B	F0F04040	40404060	F64BF0F0	40404040	4060F54B	F0F04040	40404060	F54BF0F0	40404040	4060F54B	F0F04040	40404060		
(320)	40404040	4060F44B	F0F04040	40404060	F44BF0F0	40404040	4060F44B	F0F04040	40404060	F54BF0F0	40404040	4060F44B	F0F04040	40404060		
(360)	40404040	4060F64B	F0F04040	40404060	F64BF0F0	40404040	4060F64B	F0F04040	40404060	F64BF0F0	40404040	4060F64B	F0F04040	40404060		
(400)	40404040	4060F64B	F0F04040	40404060	F74BF0F0	40404040	4060F74B	F0F04040	40404060	F74BF0F0	40404040	4060F74B	F0F04040	40404060		
(440)	40404040	4060F84B	F0F04040	40404060	F84BF0F0	40404040	4060F94B	F0F04040	40404060	F94BF0F0	40404040	4060F94B	F0F04040	40404060		
(480)	40404040	4060F84B	F0F04040	40404060	F84BF0F0	40404040	4060F94B	F0F04040	40404060	F74BF0F0	40404040	4060F94B	F0F04040	40404060		
(520)	40404040	4060F44B	F0F04040	40404060	F24BF0F0	40404040	4060F24B	F0F04040	40404060	F24BF0F0	40404040	4060F24B	F0F04040	40404060		
(560)	40404040	4060F34B	F0F04040	40404060	F34BF0F0	40404040	4060F44B	F0F04040	40404060	F44BF0F0	40404040	4060F44B	F0F04040	40404060		
(600)	40404040	4060F64B	F0F04040	40404060	F64BF0F0	40404040	4060F44B	F0F04040	40404060	F24BF0F0	40404040	4060F44B	F0F04040	40404060		
(640)	40404040	4040F04B	F0404040	40404040	F14BF0F0	40404040	4040F24B	F0F04040	40404040	F34BF0F0	40404040	4040F24B	F0F04040	40404040		
(680)	40404040	4040F34B	F0F04040	40404040	F44BF0F0	40404040	4040F54B	F0F04040	40404040	F44BF0F0	40404040	4040F54B	F0F04040	40404040		

FILE	1	RECORD	252	LENGTH	720	BYTES										
(0)	E3D3D240	E9404040	40F1F9F7	F9404040	40404048	F1404040	404040F1	F7404040	40404040	F0404040	40404040	F0404040	40404040	F0404040		
(40)	F04BF040	4040F6F0	4BF0F040	40404040	40F6F040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040		
(80)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040		
(120)	40404060	F2F3F74B	F0F04040	4060F2F3	F44BF0F0	40404060	F2F2F54B	F0F04040	4060F2F2	F04BF0F0	40404040	60F1F14B	F0F04040	4060F1F8		
(160)	40404060	F2F1F74B	F0F04040	4060F2F0	F84BF0F0	40404060	F1F9F14B	F0F04040	4060F1F8	F84BF0F0	40404040	60F1F14B	F0F04040	4060F1F8		
(200)	40404060	F1F9F24B	F0F04040	4060F1F9	F14BF0F0	40404060	F1F8F24B	F0F04040	4060F1F7	F24BF0F0	40404040	60F1F14B	F0F04040	4060F1F7		
(240)	40404060	F1F7F84B	F0F04040	4060F1F8	F24BF0F0	40404060	F1F7F34B	F0F04040	4060F1F5	F64BF0F0	40404040	60F1F14B	F0F04040	4060F1F5		
(280)	40404060	F1F3F24B	F0F04040	4060F1F2	F04BF0F0	40404060	F1F1F64B	F0F04040	4060F1F1	F54BF0F0	40404040	60F1F14B	F0F04040	4060F1F1		
(320)	40404060	F1F0F84B	F0F04040	404060F9	F74BF0F0	40404040	60F9F24B	F0F04040	404060F8	F14BF0F0	40404040	60F9F24B	F0F04040	404060F8		
(360)	40404060	F1F0F04B	F0F04040	4060F1F2	F04BF0F0	40404060	F1F1F24B	F0F04040	404060F9	F54BF0F0	40404040	60F9F24B	F0F04040	404060F9		
(400)	40404060	F1F0F44B	F0F04040	404060F9	F94BF0F0	40404040	60F7F64B	F0F04040	404060F7	F54BF0F0	40404040	60F7F64B	F0F04040	404060F7		
(440)	40404040	60F6F74B	F0F04040	404060F5	F94BF0F0	40404040	60F7F04B	F0F04040	404060F7	F54BF0F0	40404040	60F7F04B	F0F04040	404060F7		
(480)	40404040	60F6F64B	F0F04040	404060F5	F44BF0F0	40404040	60F6F54B	F0F04040	404060F5	F74BF0F0	40404040	60F6F54B	F0F04040	404060F5		
(520)	40404040	60F3F44B	F0F04040	404060F1	F74BF0F0	40404040	60F1F74B	F0F04040	404060F2	F74BF0F0	40404040	60F1F74B	F0F04040	404060F2		
(560)	40404040	60F3F84B	F0F04040	404060F4	F24BF0F0	40404040	60F4F54B	F0F04040	404060F4	F34BF0F0	40404040	60F4F54B	F0F04040	404060F4		
(600)	40404040	60F4F34B	F0F04040	404060F4	F64BF0F0	40404040	60F5F14B	F0F04040	404060F5	F54BF0F0	40404040	60F5F14B	F0F04040	404060F5		
(640)	40404040	60F5F04B	F0F04040	404060F2	F34BF0F0	40404040	4060F24B	F0F04040	40404040	F04BF040	40404040	4060F24B	F0F04040	40404040		
(680)	40404040	4060F94B	F0F04040	404060F1	F34BF0F0	40404040	60F1F24B	F0F04040	40404060	F84BF0F0	40404040	60F1F24B	F0F04040	40404060		

FILE	INPUT	DATA RECORDS	MAX.	READ ERROR SUMMARY				INPUT RETRIES	
	RECS.	INPUT	SIZE	PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
1	252	253	720	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 01/20/82 19:53:09 STOP TIME 01/20/82 19:53:17

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-28J

GEOMAGNETIC MERIDIAN CHAIN

This data set consists of 2 tape(s). The tape(s) is 9 track, 800 bpi, EBCDIC with multfile(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>	<u>FILES</u>
D-47383	C-22145	3/31/79,4/1/79	20
D-54204	C-22783	3/22/79-4/1/79	40

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-28J

DATE DATA RECEIVED: 2/22/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 tape tape

SATELLITE NAME/NSDF NAME: 66-28J

EXPERIMENT NAME: _____

DATA SET FULL NAME: Geomagnetic Meridian chain

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 41383 C-22145

REMARKS:

800 codic 9thk 20 files
3/31/79, 4/1/79

CDAW

DATA RECEIPT NOTIFICATION SENT?

M. B. ...
DATA TECHNICIAN

Date Feb 9
NSSDC ID GG-28I

CDAW DATA SET ENTRY

Date Rcvd : 02/09 82 CDB: db

Data Sent By : A. Zaitsev

Material Rcvd : 1 tape, letter CDB form, documentation

Tape list:

Satellite/NSDF Name: GG-28I

Data Set Name: Geomagnetic Meridian chain

New Data Set Additions Replacements

Comments _____

Time Coverage : 79/81/10^h - 79/91/5^h

Tapes To be Returned to: A. Zaitsev

Completed By: M. Teague



National Aeronautics and
Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name GM - 145°		3. Telephone No. or Telex No. Telex No. 412623 SC STP SU	
2. Scientific Contact A. ZAITZEV		4. Address IZMIRAN TROITSK CITY MOSCOW REGION	
5. City	6. State 142 092	7. ZIP Code or Country USSR	
8. Programmer Contact V. PAPITASHVILI V. POPOV			

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1	2. Tape Density <input checked="" type="checkbox"/> 800 bpi <input type="checkbox"/> 1600 bpi
3. No. of Files (per tape) 20	
4. No. of End of File Marks 1	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity ADD	7. Make and Model of Computer Used to Generate Tape EC-1022 USSR
8. Are tapes written in binary, coded or both? (e.g. BCD) EBCDIK	
9. What floating point representation is used? (e.g. CDC 64 bit) NOT USED	
10. What integer representation is used? EBCDIK	
11. No. of Physical Records (per file) 20	
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) LESS THAN 1 MIN	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

GM-145

GEOMAGNETIC MERIDIAN - 145° TAPE

This tape contains 1-min digital geomagnetic data on special IMS interval (10.00 UT 31 March - 05.00 UT 1 April 1979) from 7 stations of 145° Geomagnetic Meridian Chain (A.Zaitzev, IZMIRAN, USSR), distributed in auroral zone. The tape is multiple file volume (20 files), unlabelled, 9 tracks, 800 bpi, created in EBCDIK on the soviet EC-1022 computer, compatible with IBM 360/75.

DCB=(RECFM=F,BLKSIZE=400,DEN=2)

-----			GEOGRAFIC		CORRECTED GEOMAG.		D-COMPONENT
FILE	GEOM	NAME AND CODE	LAT	LONG	LAT	LONG	MAGN. FIELD
-----			-----		-----		-----
COMP	OBSERVATORY						

1	D	Malye Karmakuly					
2	H						
3	Z	MKM	72.40°	52.70°	67.22°	132.96°	23.33°
4	D	Belyj Island					
5	H						
6	Z	BEL	73.30	70.02	67.57	147.36	31.0
7	D	Tambej					
8	H						
9	Z	TAM	71.50	71.80	65.89	147.96	29.25
10	D	Kharasovej					
11	H						
12	Z	KHA	71.10	66.80	65.60	143.60	28.17
13	D	Seyakha					
14	H						
15	Z	SEY	70.20	72.60	64.68	148.12	27.67
16	D	Anderma					
17	H	AMD	69.81	60.75	64.52	137.94	24.67
18	D	Zhelania Cape					
19	H						
20							

This tape contains variational data only, without absolute measurements (Z-component is absent in AMD).

In this tape used 1-min Digital Geomagnetic Data Format (see IMS NEWSLETTER, No.10, 1977, p.6).

Each logical record contains:

cc	1 - 6	North polar distance (NPD)
cc	7 - 12	East longitude (LONG)
cc	13 - 14	Year (YR; 79)
cc	15 - 16	Month (MO; 3 or 4)
cc	17 - 18	Day (DY; 31 or 1)
cc	19	Component (C; D, H or Z)
cc	20 - 21	Hour (HR; 00 - 23)
cc	22 - 24	Observatory code (OBS)
cc	25	Data origin (ORG; Z= GM-145 Chain, A.Zaitzev, IZMIRAN,USSR)
cc	26 - 34	Blanks
cc	35 - 40	Data for first minit (DATA-1)
cc	
cc	389 - 394	Data for last minit (DATA-60)
cc	395 - 400	Hourly mean (HRM)

Missing data values are padded with 99999.

Programmers:
(IZMIRAN,USSR)

J. Papitashvili 27.1.12

V. Papitashvili

V. Popov

V. Popov

ACADEMY OF SCIENCES OF THE USSR
SOVIET GEOPHYSICAL COMMITTEE
WORLD DATA CENTER B2
Molodezhnaya 3 Moscow 117296 U.S.S.R.

Ref. No. 27

Date January 29, 1982

Dr. James I. Vette
Director

WDC A for Rockets and Satellites
GSFC, Code 601
Greenbelt, MD 20771
U.S.A.

Dear Doctor Vette:

In compliance with the request from Dr. Alex Zaitsev (IZMIRAN)

we are sending you herewith the following:

Geomagnetic Meridian - 145° Tape containing one-minute geomagnetic data for special IMS interval (10.00 UT 31 March - 05.00 UT 1 April 1979) from seven stations of 145° Geomagnetic Meridian chain.

Computer listing and CDB Tape Documentation Form are also enclosed.

Please confirm the safe receipt of the shipment.

Enclosure(s) One reel of magnetic tape
Computer listing
CDB Tape Docum. Form

Signed E.P. Kharin
E.P. Kharin
Deputy Director

SNOP ***** X396 *****
\$EXE TPLIST BS

D-47383
331/79 - 4/1/79

INPUT PARAMETERS ARE: ED FL=1 1

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 400
01762005273079 331D10MKMZ 221 227 227 224 219 216 213 211 213 216 21
3 213 211 205 200 194 192 189 186 184 181 181 178 178 175 170 162
162 165 165 165 162 159 157 154 157 154 151 146 138 132 162 170 17
5 181 181 184 186 192 192 205 213 216 221 221 221 221 224 227 229
189

TAPE NO. 1 FILE NO. 1
RECORD 20 LENGTH 400
01762005273079 4 1D 5MKMZ 240 232 240 208 219 238 246 238 208 189 19
2 208 229 246 251 240 229 221 227 240 251 240 243 251 251 254 238
219 208 216 229 224 227 229 232 227 219 227 232 238 235 235 240 24
3 240 246 246 243 240 227 235 240 246 238 232 240 251 262 267 254
234

***** JOB DONE.
\$AVF IN 18
\$EXE TPLIST BS

INPUT PARAMETERS ARE: ED FL=1 2

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 400
01343006835079 331H10ZHEZ 279 279 279 279 279 276 276 276 276 276 27
6 276 279 279 276 270 264 254 254 251 251 251 251 248 248 245 242
239 233 229 226 226 229 220 220 223 226 226 226 223 217 205 192 19
2 195 198 202 205 208 211 217 220 223 214 214 217 220 223 229 229
239

TAPE NO. 1 FILE NO. 1
RECORD 20 LENGTH 400
01343006835079 4 1H 5ZHEZ 242 245 239 236 233 229 229 229 229 233 23
6 242 245 242 233 223 226 233 242 233 229 233 236 239 229 226
226 226 233 239 239 236 233 233 236 236 236 239 239 233 229 226 22
3 220 223 229 233 229 233 239 239 220 223 229 233 233 233 239 239
232

TAPE NO. 1 FILE NO. 2
RECORD 1 LENGTH 400
01343006835079 331Z10ZHEZ 260 260 257 255 255 255 255 257 257 257 25
7 257 255 255 252 250 252 255 260 263 263 260 257 255 252 250 247
247 247 247 247 242 239 239 242 244 250 250 244 242 239 234 231 22
9 224 218 218 221 218 216 213 211 211 211 211 216 221 224 226 229
241

TAPE NO. 1 FILE NO. 2
RECORD 20 LENGTH 400
01343006835079 4 1Z 5ZHEZ 203 198 192 190 185 182 185 185 187 192 19
8 198 195 195 190 190 190 190 187 187 190 190 187 185 185 187 190
192 198 198 198 198 198 198 195 195 192 192 190 190 190 192 192 19
5 195 195 192 190 187 187 187 187 187 187 185 179 177 174 177 177
189

***** JOB DONE.
\$WEO LPS
\$\$
\$EXE TPDUPC BS

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: GG-28J

DATE DATA RECEIVED: 11/2/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	<u>1 mag tape</u>

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: Arctic mag chain

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DB

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD/34204 C-23783

REMARKS:

DATA RECEIPT NOTIFICATION SENT?

Thoran

DATA TECHNICIAN

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GE-11A

630 NM, 203, KILISJARVI, CDB6

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, ASCII with 1 file(s) of data. The time span and D and C numbers are as follows:

This tape was created on an IBM 360 computer.

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-54212	C-22809	3/30/79-4/1/79

check more recent

NSDF

DATE Sept 7, 1982
NSSDC ID G6-28J

CDAW DATA SET ENTRY

800 ebcdis odd q 40 files
3/22/79 - 4/1/79

DATE RECEIVED: Aug 30, 1982 CDB: 6

DATA SENT BY: Zaitsev

MATERIAL RECEIVED: 1 mag. tape
4 pg documentation

SATELLITE/NSDF NAME: 145-deg Meridian Magnetometer Chain

DATA SET NAME: ZGM (will call zmm til verified as identical)

? NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: We already have these data, but not sure if identical

TIME COVERAGE: Mar 22 6-20 hours; Mar 31 10 - Apr 1 6 hours

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague

ACADEMY OF SCIENCES OF THE USSR
SOVIET GEOPHYSICAL COMMITTEE
WORLD DATA CENTER B2
Molodezhnaya 3 Moscow 117296 U.S.S.R.

Doc. No. 169

Date August 12, 1982

Dr. James I. Vette
Director

WDC A for Rockets & Satellites
Goddard Space Flight Center
Code 601
Greenbelt, MD 20771
U.S.A.

In compliance with the request from Dr. Alex N. Zaitsev (IZMIRAN)

we are sending you herewith the following:

Geomagnetic Meridian - 145⁰ Tape containing one-minute digital geomagnetic data for special IMS intervals (06.00 UT - 20.00 UT March 22, 1979; 10.00 UT March 31 - 06.00UT April 1, 1979) from seven Soviet stations of the 145⁰ Geomagnetic Meridian Chain.

Computer listing and CDB Tape Documentation Form are also enclosed.

Please confirm the safe receipt of the shipment.

Enclosure(s) One reel of magnetic tape
Computer listing
CDB Tape Docum. Form

Signed *E.P. Kharin*

E.P. Kharin
Acting Director of WDC B2



NASA
National Aeronautics and
Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name GM-145°	
2. Scientific Contact A. ZAITZEV	3. XXXXXXXXXXXX Telex No. 412623 SG STP SU
4. Address IZMIRAN TROITSK CITY MOSCOW REGION USSR 142092	
5. City	6. State
7. ZIP Code or Country USSR	
8. Programmer Contact V. Papitashvili & V. Popov	

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 1	2. Tape Density <input checked="" type="checkbox"/> 800 bpi <input type="checkbox"/> 1600 bpi
3. No. of Files (per tape) 40	
4. No. of End of File Marks 2	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity Add	7. Make and Model of Computer Used to Generate Tape EC-1022 USSR
8. Are tapes written in binary, coded or both? (e.g. BCD) EBCDIC	
9. What floating point representation is used? (e.g. CDC 64 bit) Not used	
10. What integer representation is used? EBCDIC	
11. No. of Physical Records (per file) 14 in the Files 1-20 20 in the Files 21-40	
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) Less than 1 min	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

CDB No.

Date Received	Tape No.
Programmer ID	CON Name
Data Base	Date Loaded

GEOMAGNETIC MERIDIAN - 145° TAPE

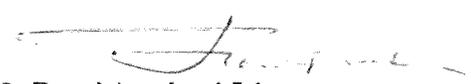
This tape contains 1-min digital geomagnetic data on the special IMS intervals (Files 1 - 20: 06.00 UT - 20.00 UT March 22 1979; Files 21 - 40: 10.00 UT March 31 - 06.00 UT April 1 1979) from 7 stations of the 145° Geomagnetic Meridian Chain (A.Zaitzev, IZMIRAN, USSR), distributed in the auroral zone (MKM, BEL, TAM, KHA, SEY, AMD, ZHE). Each station contains 3 files (D, H & Z components; for AMD - D & H only). The files is unlabelled and created in EBCDIC, 9 tracks, 800 bpi. DCB=(RECFM=F,BLKSIZE=400,DEN=2)

This data set contains variational data. The quiet level (March 14 was subtracted. Attention: in the previous tape GM-145°, which contains the data set for March 31 only and it was sent to DAWOC in February 1982, the quiet level was not subtracted).

1-min Digital Geomagnetic Data Format are used for this data sets (see IMS Newsletter, No.10, 1977, p.6). Missing data values are padded with 99999.

Programmers:

(IZMIRAN,USSR)


Dr. V.Papitashvili

V.Popov

INPUT PARAMETERS ARE: ED FL=5=5 1

D-54204
3/22/79 - 4/1/79

TAPE NO.	FILE NO.	RECORD	LENGTH
1	1	1	400
17620	5273	179 322D 6MKMZ	
3	31	33	35
5	37	36	32
29			

TAPE NO.	FILE NO.	RECORD	LENGTH
1	1	2	400
17620	5273	179 322D 7MKMZ	
4	22	27	22
7	17	20	22
23			

TAPE NO.	FILE NO.	RECORD	LENGTH
1	1	3	400
17620	5273	179 322D 8MKMZ	
2	37	13	5
5	-21	-37	-27
9			

TAPE NO.	FILE NO.	RECORD	LENGTH
1	1	4	400
17620	5273	179 322D 9MKMZ	
3	2	4	-7
5	-36	-30	-25
-29			

TAPE NO.	FILE NO.	RECORD	LENGTH
1	1	5	400
17620	5273	179 322D 10MKMZ	
3	-30	-21	-11
1	-364	-365	-376
-109			

TAPE NO.	FILE NO.	RECORD	LENGTH
1	1	10	400
17620	5273	179 322D 15MKMZ	
7	-433	-444	-437
5	-296	-297	-295
-317			

TAPE NO.	FILE NO.	RECORD	LENGTH
1	1	11	400
17620	5273	179 322D 16MKMZ	
5	-29	-47	-93
1	-62	-83	-88
-90			

TAPE NO.	FILE NO.	RECORD	LENGTH
1	1	12	400
17620	5273	179 322D 17MKMZ	
2	-21	-21	-31
-61			

TAPE NO. 1 FILE NO. 1
 RECORD 13 LENGTH 400
 17620 5273 79 322D18MKMZ -189 -97 -108 -130 -90 -67 -57 -35 -34 -41 -3
 8 -23 -8 -6 -13 -17 -7 -1 -11 -11 4 8 -4 0 12 22 29
 33 31 23 22 34 46 50 45 34 25 42 76 65 73 61 49 5
 9 35 89 68 64 44 27 11 9 -10 -29 -10 -15 -23 -14 -19 -46
 2

TAPE NO. 1 FILE NO. 1
 RECORD 14 LENGTH 400
 17620 5273 79 322D19MKMZ -76 -73 -65 -52 -41 -32 -25 -16 -3 2 -1
 4 -2 13 -24 -26 22 35 15 9 37 75 111 117 127 148 146 88
 51 42 28 1 -16 -8 -16 2 -21 -4 1 -7 -3 -1 -16 -32 -3
 6 -28 -30 -19 -5 -28 -10 -26 -33 -4 -13 -12 1 -8 -1 -5 -7
 3

***** JOB DONE.
 SAVE IN 39
 SEXE TPLIST BS

INPUT PARAMETERS ARE: ED FL=5=5 1

TAPE NO. 1 FILE NO. 1
 RECORD 1 LENGTH 400
 134300635 79 331210ZHEZ 11 11 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6
 8 8 6 6 3 1 3 6 11 14 14 11 8 6 3 1 -2
 -2 -2 -2 -2 -7 -10 -10 -7 -5 1 1 -5 -7 -10 -15 -18 -2
 9 -25 -31 -31 -28 -31 -33 -36 -30 -38 -38 -36 -33 -28 -25 -23 -20
 -8

TAPE NO. 1 FILE NO. 1
 RECORD 2 LENGTH 400
 134300635 79 331211ZHEZ -20 -18 -18 -15 -15 -12 -10 -7 -7 -5 -
 5 -2 -2 -2 -2 -2 -2 1 1 1 1 1 1 1 1 1 1 1 1 1
 3 3 3 3 6 6 6 6 6 6 3 3 3 3 3 3 3 3 3 6

TAPE NO. 1 FILE NO. 1
 RECORD 3 LENGTH 400
 134300635 79 331212ZHEZ 6 8 8 6 3 1 1 1 3 3
 1 -2 -2 -2 1 3 3 1 -2 -5 -5 -5 -2 1 -2 -5 -7 -7
 -5 1 -2 -2 -5 -5 -2 -2 -2 -2 -2 -2 -5 -2 -2 1 1
 1 -5 -5 -5 -2 -2 -2 -5 -5 -5 -7 -7 -10 -10 -10 -10 -12
 -3

TAPE NO. 1 FILE NO. 1
 RECORD 4 LENGTH 400
 134300635 79 331213ZHEZ -15 -15 -15 -15 -15 -23 -25 -28 -33 -33 -3
 3 -36 -36 -36 -36 -36 -36 -41 -46 -46 -49 -51 -54 -62 -64 -67 -70
 -72 -75 -77 -75 -72 -77 -85 -93 -90 -88 -88 -98 -90 -93 -101 -101 -9
 8 -98 21697 -113 -113 -111 -98 -116 -116 -116 -116 -116 -109 -111 -114 -114 -111
 277

TAPE NO. 1 FILE NO. 1
 RECORD 5 LENGTH 400
 134300635 79 331214ZHEZ -109 -109 -119 -114 -109 -109 -111 -127 -142 -155 -15
 5 -150 -150 -155 -161 -171 -174 -176 -179 -184 -184 -184 -181 -174 -171 -171
 -176 -181 -184 -189 -192 -194 -201 -205 -210 -210 -194 -197 -200 -202 -202 -197 -19
 7 -202 -207 -205 -200 -197 -199 -184 -174 -171 -174 -179 -184 -184 -184 -179 -176
 -174

TAPE NO. 1 FILE NO. 1

1	276	271	263	250	250	245	229	232	232	229	229	224	219	211	213	201	20
180	177	172	167	159	151	151	149	131	129	110	107	107	97	99	105	10	
2	92	84	84	73	69	58	45	34	29	34	45	58	76	84	84	81	

170

TAPE NO.	1	FILE NO.	1														
RECORD	17	LENGTH	400														
134306835879	4	12	2ZHEZ														
6	151	102	79	63	58	45	63	19	86	76	66	68	76	73	71	73	
7	73	81	81	81	89	110	115	112	115	118	115	107	102	99	97	94	9
7	102	102	99	97	97	97	105	105	107	107	107	102	99	97	94	92	

94

TAPE NO.	1	FILE NO.	1													
RECORD	18	LENGTH	400													
134306835879	4	12	3ZHEZ													
8	118	120	120	123	118	112	110	107	105	110	115	118	118	118	11	
7	21	16	11	3	-5	-10	-15	-20	-25	-31	-33	-36	-36	-36	-38	-41

70

TAPE NO.	1	FILE NO.	1													
RECORD	19	LENGTH	400													
134306835879	4	12	4ZHEZ													
5	-75	-57	-54	-72	-111	-111	-106	-96	-85	-75	-62	-62	-64	-70	-85	-93
7	-64	-57	-59	-62	-62	-62	-59	-51	-38	-49	-59	-62	-59	-51	-44	-41

-66

TAPE NO.	1	FILE NO.	1													
RECORD	20	LENGTH	400													
134306835879	4	12	5ZHEZ													
1	-51	-54	-54	-59	-59	-59	-59	-62	-62	-59	-59	-62	-64	-64	-62	-59
4	-54	-54	-57	-59	-62	-62	-62	-62	-62	-62	-64	-70	-72	-75	-72	-72

-60

***** JOB DONE.
SWE0 LPS

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-28K

M'BOUR MAGNETOMETER

This data set consists of 1 tape(s). The tape(s) is 9 track, 800 bpi, ASCII with 18 file(s) of data. The time span and D and C numbers are as follows:

This tape was created on 3330 computer.

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-53592	C-22679	3/22/79-4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 99-28K

DATE DATA RECEIVED: 10-13-82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 MAG TAPE

SATELLITE NAME/NSDF NAME: M'BOUR MAGNETOMETER

EXPERIMENT NAME: _____

DATA SET FULL NAME: _____

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: D

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD53592 C-22679

REMARKS:

CDAW

DATA RECEIPT NOTIFICATION SENT?

[Signature]
DATA TECHNICIAN

ZMB
X-1096

DATE 10/12/82
NSSDC ID GG-28K

CDAW DATA SET ENTRY

New DISP = GM

DATE RECEIVED: 7/20/82 CDB: 6

DATA SENT BY: M^cPherron

MATERIAL RECIEVED: 1-tape

SATELLITE/NSDF NAME: _____

DATA SET NAME: M' Bow Magnetometer

NEW DATA SET

ADDITIONS

REPLACEMENTS

COMMENTS: _____

TIME COVERAGE: 79/081/6 - 79/081/20 ; 79/090/12 - 79/091/04

TAPES TO BE RETURNED TO: _____

1-station magnetometer

COMPLETED BY: Ellen Teague

type = 2 (Pulsar)

18-file tape from R. McPherson contains:

files	1-6	Replacement ZML	GG-28 I
files	7-12	New ZMB	GG-28 K
files	13-18	Additional ZAL	GG-28 H

Tape # X-109C
ZAL for CDB-6B

DATE July 26, 1982
NSSDC ID GC-284

CDAW DATA SET ENTRY

DATE RECEIVED: ~ July 16, 1982 CDB: 06

DATA SENT BY: McPherson (contact = Chris Garrett) UCLA

MATERIAL RECEIVED: 1 mag. tape (also contains McPherson & ZML)
4 pg documentation
Dump of file 13 (also 1 & 7)

SATELLITE/NSDF NAME: _____

DATA SET NAME: Alaska Magnetometer Stations

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: CDB-6B time period for ZAL

TIME COVERAGE: Mar 31, 1979 1200 - Apr 1, 1979 0600

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague

aps #X-1096

ZML for CDB-6B

DATE July 26, 1982

NSSDC ID GG-28I

CDAW DATA SET ENTRY

DATE RECEIVED: ~ July 16, 1982 CDB: 06

DATA SENT BY: McPherron (contact = Chris Garrett) UCLA

MATERIAL RECEIVED: 1 magnetic tape (also M'Brue & ZAC)
4 - pgs documentation
Dump of File 1 (also Files 7 & 13)

SATELLITE/NSDF NAME: _____

DATA SET NAME: Midlatitude Magnetometer Chain

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: Replacement for ZML CDB-6B (and also contains new & add'l)

TIME COVERAGE: Mar 22, 1970 0600-1800; Mar 31 1200 - Apr 1 0600

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague

Tape # X-1096

M'BOUR

ZNB

DATE July 26, 1981

NSSDC ID _____

CDAW DATA SET ENTRY

DATE RECEIVED: ~ July 16, 1982 CDB: 06

DATA SENT BY: Mc Pherson (contact = Chris Garrett) UCLA

MATERIAL RECEIVED: 1 mag tape (also contains EML & ZAL)
4 pgs documentation
Dump of file 7 (also 1 & 13)

SATELLITE/NSDF NAME: _____

DATA SET NAME: _____

NEW DATA SET

ADDITIONS

REPLACEMENTS

COMMENTS: just the 3 components of one station called "M'BOUR"
located lat 14°24' N & 343°02' E

TIME COVERAGE: Mar. 22 0000-2400; Mar 31 000 - Apr. 1 0600, 1979

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague

July 10, 1982

To: Ellen Teague
 c/o Dr. Jim Vette
 NSSDC - Code 601
 Goddard Space Flight Center
 Greenbelt, MD 20771

From: C. R. Garrity
 Inst. of Geophysics and Planetary Physics
 University of California, Los Angeles
 Los Angeles, CA 90024

Copies: R. L. McPherron

Subject: magnetic tape SSC631, CDAW6 mid-latitude chain data

#####

This tape contains eighteen files of CDAW6 event data. The first six files consist of data from the twenty mid-latitude stations you have previously received from us. This data has had the quiet day subtracted (March 14, 1979) and the offset at the day boundaries has been corrected. The next six files contain the data for the M'Bour station. This data was digitized and averaged to one minute resolution. The M'Bour data has also had the quiet day subtracted, and day boundary offsets have been corrected. The last six files contain the data from the IMS Alaska Chain. This data chain corresponds to the CDAW6 data chain ZAL. This data was taken directly from the IMS master tapes we hold at UCLA. No correction to a common baseline (March 22 0700-0800) was performed and no adjustments for day boundary offsets were made due to lack of time. If requested, corrections can be made and sent to you within a week. The contents of the files are:

1. March 22 1979 0600-1800; one minute resolution; H component
2. March 22 1979 0600-1800; one minute resolution; D component
3. March 31 1979 1200-2400; one minute resolution; H component
4. March 31 1979 1200-2400; one minute resolution; D component
5. April 01 1979 0000-0600; one minute resolution; H component
6. April 01 1979 0000-0600; one minute resolution; D component
7. March 22 1979 0000-2400; station M'Bour ; H component
8. March 22 1979 0000-2400; station M'Bour ; D component
9. March 31 1979 0000-2400; station M'Bour ; H component

#####

10. March 31 1979 0000-2400; station M'Bour ; D component
11. April 01 1979 0000-0600; station M'Bour ; H component
12. April 01 1979 0000-0600; station M'Bour ; D component
13. March 31 1979 1200-2400; one minute resolution; H components
14. March 31 1979 1200-2400; one minute resolution; D components
15. March 31 1979 1200-2400; one minute resolution; Z components
16. April 01 1979 0000-0600; one minute resolution; H components
17. April 01 1979 0000-0600; one minute resolution; D components
18. April 01 1979 0000-0600; one minute resolution; Z components

Tape characteristics:

9 track
800 bpi
ASCII character data format
Files 1-6 file structure
240 byte logical record length
4800 byte physical block size
Files 7-12 file structure
80 byte logical record length
115200 byte physical block size
Files 13-18 file structure
160 byte logical record length
6400 byte physical block size

Format of data records:

First six files:

The 240 byte logical record can be divide into three 80 byte units. One logical record contains a single data point with one value for all staions.

unit one
I2 - last two digits of year
2X
I3 - day of year
2X
I2 - hour of day
2X
I2 - minute of hour
2X
F3.0 - second of minute
60X

#####

unit two

F8.2 Eusebio
" San Juan
" Fredericksburg
" Boulder
" Tucson
" Newport
" Tahiti
" Honolulu
" Midway
" Wake Island

unit three

F8.2 Guam
" Kakioka
" Kanoya
" Irkutsk
" Tashkent
" Sverdlosk
" Tibilisi
" Odessa
" Hermanus
" Furstenfeldbruck

2nd six files

The 80 byte record contains a single data point for the M'Bour station

format

F13.6 - time: the minute of day
G13.4 - data: the value in units of nanoteslas
54X

Last six files:

The 160 byte logical record can be divide into two 80 byte units. One logical record contains a single data point with one value for all staions.

unit one

I2 - last two digits of year
2X
I3 - day of year
2X
I2 - hour of day
2X
I2 - minute of hour
2X
F3.0 - second of minute
60X

#####

unit two
F8.2 Johnson Pt.
" Sachs Harbour
" Cape Parry
" Inuvik
" Arctic Village
" Fort Yukon
" College
" Talkeetna
16X

The first six files of this tape were produced in an IBM 3330 running under MVS. The files were written using IGPP program PUNCHBDS. the files were read using IBM utility program IEBGENER. The next six files of the tape were produced on an HP 1000 running under RTE-6B. The files were written using a file manager STore command. The files were read using a file manager DUmP command. The last six files of this tape were produced in an IBM 3330 running under MVS. The files were written using IGPP program PUNCHBDS. the files were read using IBM utility program IEBGENER. The tape was prepared by Chris Garrity for Dr. R. L. McPherron. Any questions should be directed to Chris Garrity at (213) 825-6340.

C. R. Garrity

(444)	212 2020	212 2020	212 2020	212 2020	212 2020	212 2020	212 2020	212 2020	212 2020	212 2020	212 2020
(448)	37392020	21393120	21213520	20353720	2020302E	20202020	20202020	20202020	20202020	20202020	20202020
(452)	212 2020	212 2020	212 2020	212 2020	212 2020	20202020	20202020	20202020	20202020	20202020	20202020
(456)	212 2020	212 2020	212 2020	212 2020	212 2020	20202020	20202020	20202020	20202020	20202020	20202020
(460)	2 2 2020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020
(464)	20313238	2E303030	39393939	2E393930	20203937	2E303030	20203732	2E303030	20202039	2E303030	2E303030
(468)	20203139	2E303030	21203239	2E303030	20313233	2E303030	20202020	20202020	20202020	20202020	20202020
(472)	20202020	21202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020
(476)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020
(480)	37392020	21393120	21203520	20353820	2020302E	20202020	20202020	20202020	20202020	20202020	20202020
(484)	20202020	21202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020
(488)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020
(492)	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020	20202020
(496)	20313237	2E303030	39393939	2E393930	20203937	2E303030	20203732	2E303030	20202036	2E303030	2E303030
(500)	20203139	2E303030	20203238	2E303030	20313232	2E303030	20202020	20202020	20202020	20202020	20202020
(504)	212 2020	212 2020	212 2020	212 2020	212 2020	20202020	20202020	20202020	20202020	20202020	20202020
(508)	212 2020	212 2020	212 2020	212 2020	212 2020	20202020	20202020	20202020	20202020	20202020	20202020

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
18	15	16	6400	0	0	0	0	0	0
READ ERROR #	FILE #	RECORD #							
1	3	16							

EOJ DUMP STOPPED AFTER FILE 18 # OF PERMANENT READ ERRORS 1
 START TIME 11/03/82 15:50:43 STOP TIME 11/03/82 15:53:03

REQ. AGENT

REQ NUMBER

ACQ. AGENT

LSM

V0144

DMS

GG-28L

GG-28M

EDIS + ALASKA DIGIT., GLOBAL, CDB6

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, ASCII with 50 file(s) of data. The time span and D and C numbers are as follows:

This tape was created on an IBM 360 computer.

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-54213	C-22810	3/22/79-4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-28L
66-28M

DATE DATA RECEIVED: 11/16/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>1 magtape</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: EDIS + ALASKA DIGIT, GLOBAL, CDB6

EXPERIMENT NAME: _____

DATA SET FULL NAME: _____

CONTACT: _____ ACQUISITION SCIENTIST: HRH

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: 0-54213 0-22810

REMARKS:

CDAW 1600 ascii QWR 50 file 360
3/22/79 - 4/1/79

DATA RECEIPT NOTIFICATION SENT?

Moran
DATA TECHNICIAN

1-1215

ZGL

DATE 11/3/82

NSSDC ID 66-28L

CDAW DATA SET ENTRY

DATE RECEIVED: 11/2/82 CDB: 6

DATA SENT BY: H. Kroehl (Contact: Bonnie Hausman)

MATERIAL RECEIVED: 1-mag. tape; 1-pg letter w/ station locations;
1-pg tape format; 2-pg description of data
on tape

SATELLITE/NSDF NAME: Ground-Based

DATA SET NAME: Global Geomagnetic Data

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: on same tape as ZAO (AKASOFU-Alaska)

TIME COVERAGE: 79/08/06 - 79/08/17/59 & 79/09/12 - 79/09/05/59
(Files 1-18) (Files 25-45)

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague

X-1215
ZAO

DATE 11/3/82

NSSDC ID 66-28M

CDAW DATA SET ENTRY

DATE RECEIVED: 11/2/82 CDB: 6

DATA SENT BY: H. Kroehl (Contact: Bonnie Hausman)

MATERIAL RECEIVED: 1-mag tape; 1 pg letter w/ station
locations; 1 pg tape format; 2 pg
description of data on tape

SATELLITE/NSDF NAME: Ground-Based

DATA SET NAME: Alaska Observatory ~~ferro~~magnetic Data

NEW DATA SET

ADDITIONS

REPLACEMENTS

COMMENTS: PI: Akasofu; same tape contains ZGL (Global Stations)

TIME COVERAGE: 79/08/06 - 79/08/17/59 & 79/09/12 - 79/09/15/59
(Files 19-24) (Files 46-51)

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

ENVIRONMENTAL DATA AND INFORMATION SERVICE
National Geophysical and Solar-Terrestrial Data Center
Solar-Terrestrial Physics Division
325 Broadway
Boulder, Colorado 80303

October 22, 1982

Telephone: (303) 497-6324
FTS 320-6324
Cable Address: SOLTERWARN
In reply refer to:

Ms. Ellen Teague
Code 601
NASA/Goddard
Greenbelt, MD 20771

Dear Ellen:

Enclosed is a tape containing the geomagnetic data we digitized from the following observatories:

	Geographic Latitude	Longitude
Cape Wellen	66.17° N	190.17° E
Tixie Bay	71.58° N	129.00° E
Cape Chelyuskin	77.72° N	104.28° E
Dixon Island	73.55° N	80.57° E
Heiss Island	80.62° N	58.05° E
Memambetsu	43.90° N	144.20° E
Magadan	60.12° N	151.02° E
Almeria	36.85° N	357.53° E
Minsk	54.10° N	26.52° E

And also the data digitized by the University of Alaska (the P.I. should be Professor S.-I. Akasofu.) from the following observatories:

	Geographic Latitude	Longitude
Bear Island	74.50° N	19.20° E
Leirvogur	64.18° N	338.30° E

The attached format description should be sufficient to read the tape, however, if any question arises please call Bonnie Hausman 303-497-6126 or FTS 320-6126.

Sincerely yours,

Herb Kroehl
Physicist



Tape of Boulder/Alaska digitizing

9-track, 1600 lpi, ASCII

80 characters / record

100 Records / Block

1 File = 1 Station, 1 component

Record Format

<u>Byte</u>	<u>type</u>	<u>Description</u>
1	1X	blank
2-8	7A1	DD T/O = A
9-10	I2	year
11	A1	/
12-14	I3	day of year
15	A1	/
16-17	I2	hour
18	A1	:
19-20	I2	minute
21	A1	:
22-23	I2	second
24	A1	.
25-27	I3	thousands of second
28-29	2X	blank
30-42	E13.7	Data value
43-76	34X	Blank
77-79	3A1	Station abbreviation
80	A1	component

Date = 4/22/79

<u>File #</u>	<u>Station</u>	<u>Component</u>	<u>Time</u>
1	Capelwellen	H	0600-1759
2	" "	D	"
3	Tuxu Bay	H	"
4	" "	D	"
5	Capel Chelyuskin	H	"
6	"	D	"
7	Dixon Island	H	"
8	"	D	"
9	Neuss Island	H	"
10	"	D	"
11	Memambetsu	H	"
12	"	D	"
13	Magadan	H	"
14	"	D	"
15	Almena	H	"
16	"	D	"
17	Minsk	H	"
18	"	D	"
19	Bear Island	H	0600-1959
20	" "	D	"
21	" "	Z	"
22	Lerovogur	H	"
23	"	D	"
24	"	Z	"

New Colesund not included -
problems with time
scale

Date = 2131179 - 711179

File#	Station	Component	Time
25	Cape Weller	H	1200-559
26	"	D	"
27	Tuxie Bay	H	"
28	"	D	"
29	Cape Cheluyshen	H	"
30	"	D	"
31	Oxon Island	H	"
32	"	D	"
33	Neuss Island	H	"
34	"	D	"
35	Memambetsu	H	"
36	"	D	"
37	Maqadan	H	"
38	"	D	"
39	Almeria	H	"
40	"	D	"
41	Mushk	H	"
42	"	D	"
43	New Adlesund	H	"
44	"	D	"
45	"	Z	"
46	Blar Island	H	"
47	"	D	"
48	"	Z	"
49	Surogur	H	"
50	"	D	"
51	"	Z	"

X 397

D-54213

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 8000
T/D= 79/ 81/ 6: 0: 0. 0 0. CWEH T/D= 79/ 81/ 6:
1: 0. 0 0. CWEH T/D= 79/ 81/ 6: 2: 0. 0 0.
CWEH T/D= 79/ 81/ 6: 3: 0. 0 0.
CWEH T/D= 79/ 81/ 6: 4: 0. 0 0.
CWEH T/D= 79/ 81/ 6: 5: 0. 0 0. CWEH T/D= 79/ 81/
6: 6: 0. 0 0. CWEH T/D= 79/ 81/ 6: 7: 0. 0 0.
CWEH T/D= 79/ 81/ 6: 8: 0. 0 0.
CWEH T/D= 79/ 81/ 6: 9: 0. 0 0.
CWEH T/D= 79/ 81/ 6:10: 0. 0 0. CWEH T/D= 79/
81/ 6:11: 0. 0 0. CWEH T/D= 79/ 81/ 6:12: 0. 0 0.
CWEH T/D= 79/ 81/ 6:13: 0. 0 0.
CWEH T/D= 79/ 81/ 6:14: 0. 0 0.
CWEH T/D= 79/ 81/ 6:15: 0. 0 0. CWEH T/D=
79/ 81/ 6:16: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:17: 0.
.6770000E+01 CWEH T/D= 79/ 81/ 6:18: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:19: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:20: 0. 0 .6770000E+01 CWEH
T/D= 79/ 81/ 6:21: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:22:
0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:23: 0. 0 .1354000E+0
2 CWEH T/D= 79/ 81/ 6:24: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 6:25: 0. 0 .1354000E+02 CWE
H T/D= 79/ 81/ 6:26: 0. 0 .1354000E+02 CWEH T/D= 79/ 81/ 6:
27: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:28: 0. 0 .677000
0E+01 CWEH T/D= 79/ 81/ 6:29: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:30: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/
/ 6:31: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/
/ 6:32: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:33: 0. 0 .67
70000E+01 CWEH T/D= 79/ 81/ 6:34: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:35: 0. 0 .6770000E+01 CWEH T/D= 79/
/ 81/ 6:36: 0. 0 .6770000E+01 CWEH T/D= 79/
/ 81/ 6:37: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:38: 0. 0
0. CWEH T/D= 79/ 81/ 6:39: 0. 0 0.
CWEH T/D= 79/ 81/ 6:40: 0. 0 .6770000E+01 CWEH T/D
= 79/ 81/ 6:41: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:42: 0.
.6770000E+01 CWEH T/D= 79/ 81/ 6:43: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:44: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:45: 0. 0 .6770000E+01 CWEH
T/D= 79/ 81/ 6:46: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:47:
0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:48: 0. 0 .6770000E+
01 CWEH T/D= 79/ 81/ 6:49: 0. 0 .6770000E+
01 CWEH T/D= 79/ 81/ 6:50: 0. 0 .6770000E+01 Cw
EH T/D= 79/ 81/ 6:51: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6
:52: 0. 0 .6770000E+01 CWEH T/D= 79/ 81/ 6:53: 0. 0 .67700
0E+01 CWEH T/D= 79/ 81/ 6:54: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:55: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:56: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 6:57: 0. 0 .1354000E+02 CWEH T/D= 79/ 8
1/ 6:58: 0. 0 .1354000E+02 CWEH T/D= 79/ 81/ 6:59: 0. 0 .1
354000E+02 CWEH T/D= 79/ 81/ 7: 0: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 7: 1: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 7: 2: 0. 0 .1354000E+02 CWEH T/D= 7
9/ 81/ 7: 3: 0. 0 .1354000E+02 CWEH T/D= 79/ 81/ 7: 4: 0. 0
.1354000E+02 CWEH T/D= 79/ 81/ 7: 5: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 7: 6: 0. 0 .1354000E+02 CWEH T/
D= 79/ 81/ 7: 7: 0. 0 .2031000E+02 CWEH T/D= 79/ 81/ 7: 8: 0.
.1354000E+02 CWEH T/D= 79/ 81/ 7: 9: 0.
.1354000E+02 CWEH T/D= 79/ 81/ 7:10: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 7:11: 0. 0 .1354000E+02 CWEH
T/D= 79/ 81/ 7:12: 0. 0 .1354000E+02 CWEH
: 0. 0 .1354000E+02 CWEH T/D= 79/ 81/ 7:13: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 7:14: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 7:15: 0. 0 .1354000E

WEH T/D= 79/ 81/ 7:18: 0. 0 .1354000E+02
7:19: 0. 0 .1354000E+02
000E+02
CWEH T/D= 79/ 81/ 7:20: 0. 0 .1354
000E+02
CWEH T/D= 79/ 81/ 7:21: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 7:22: 0. 0 .1354000E+02
CWEH T/D= 79/ 81/ 7:23: 0. 0 .6770000E+01
81/ 7:24: 0. 0 .6770000E+01
770000E+01
CWEH T/D= 79/ 81/ 7:25: 0. 0 .
CWEH T/D= 79/ 81/ 7:26: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:27: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:28: 0. 0 .6770000E+01
79/ 81/ 7:29: 0. 0 .6770000E+01
.6770000E+01
CWEH T/D= 79/ 81/ 7:30: 0. 0
.6770000E+01
CWEH T/D= 79/ 81/ 7:31: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:32: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:33: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:34: 0. 0 .6770000E+01
. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:35: 0
CWEH T/D= 79/ 81/ 7:36: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:37: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:38: 0. 0 .6770000E+01
CWEH T/D= 79/ 81/ 7:39: 0. 0 .6770000E+01
CWEH

***** JOB DONE.
SEXEX TPLIST BS

INPUT PARAMETERS ARE: AS SR=1=1

FILE 18

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 8000
T/D= 79/ 81/ 6: 0: 0. 0 -.5597800E-02
1: 0. 0 .1085608E+01
E+01
BJNH T/D= 79/ 81/ 6: 2: 0. 0 .3657137
BJNH T/D= 79/ 81/ 6: 3: 0. 0 .6809821E+01
BJNH T/D= 79/ 81/ 6: 4: 0. 0 .7947358E+01
BJNH T/D= 79/ 81/ 6: 5: 0. 0 .7838881E+01
6: 6: 0. 0 .4645045E+01
270E+01
BJNH T/D= 79/ 81/ 6: 7: 0. 0 .210
BJNH T/D= 79/ 81/ 6: 8: 0. 0 .1267989E+01
BJNH T/D= 79/ 81/ 6: 9: 0. 0 .1537991E+01
BJNH T/D= 79/ 81/ 6:10: 0. 0 .2081635E+01
81/ 6:11: 0. 0 .2711780E+01
.3387555E+01
BJNH T/D= 79/ 81/ 6:12: 0. 0
BJNH T/D= 79/ 81/ 6:13: 0. 0 .3249265E+01
BJNH T/D= 79/ 81/ 6:14: 0. 0 .3498271E+01
BJNH T/D= 79/ 81/ 6:15: 0. 0 .3955973E+01
79/ 81/ 6:16: 0. 0 .4348169E+01
0 .4927645E+01
BJNH T/D= 79/ 81/ 6:17: 0. 0 .5432377E+01
BJNH T/D= 79/ 81/ 6:18: 0. 0 .6029489E+01
BJNH T/D= 79/ 81/ 6:19: 0. 0 .6479772E+01
BJNH T/D= 79/ 81/ 6:20: 0. 0 .6203751E+01
T/D= 79/ 81/ 6:21: 0. 0 .7881712E+01
0. 0 .9047662E+0
1
BJNH T/D= 79/ 81/ 6:22: 0. 0 .9608382E+01
BJNH T/D= 79/ 81/ 6:23: 0. 0 .1013201E+02
BJNH T/D= 79/ 81/ 6:24: 0. 0 .1134891E+02
H T/D= 79/ 81/ 6:25: 0. 0 .1134891E+02
27: 0. 0 .1316222E+02
1E+02
BJNH T/D= 79/ 81/ 6:26: 0. 0 .146123
BJNH T/D= 79/ 81/ 6:27: 0. 0 .1511690E+02
BJNH T/D= 79/ 81/ 6:28: 0. 0 .146123
BJNH T/D= 79/ 81/ 6:29: 0. 0 .1511690E+02
BJNH T/D= 79/ 81/ 6:30: 0. 0 .1356589E+02
BJNH T/D= 79/ 81/ 6:31: 0. 0 .1145543E+02
/ 6:32: 0. 0 .9726656E+01
30466E+01
BJNH T/D= 79/ 81/ 6:33: 0. 0 .76
BJNH T/D= 79/ 81/ 6:34: 0. 0 .5114365E+01
BJNH T/D= 79/ 81/ 6:35: 0. 0 .2576709E+01
BJNH T/D= 79/ 81/ 6:36: 0. 0 .1211861E+01
/ 81/ 6:37: 0. 0 .1002046E+01
.1184427E+01
BJNH T/D= 79/ 81/ 6:38: 0. 0
BJNH T/D= 79/ 81/ 6:39: 0. 0 .2058120E+01
BJNH T/D= 79/ 81/ 6:40: 0. 0 .2976603E+01
BJNH T/D= 79/ 81/ 6:41: 0. 0 .3206154E+01
= 79/ 81/ 6:42: 0. 0 .3553559E+01
0 .3784370E+01
BJNH T/D= 79/ 81/ 6:43: 0. 0
BJNH T/D= 79/ 81/ 6:44: 0. 0 .4277064E+01
BJNH T/D= 79/ 81/ 6:45: 0. 0 .4493458E+01
BJNH T/D= 79/ 81/ 6:46: 0. 0 .4104061E+01
BJNH

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01 BJNH T/D= 79/ 81/ 6:49: 0. 0 .2443457E+
BJNH T/D= 79/ 81/ 6:50: 0. 0 .3012155E+01
BJNH T/D= 79/ 81/ 6:51: 0. 0 .3570356E+01 BJ
NH T/D= 79/ 81/ 6:52: 0. 0 .5506841E+01 BJNH T/D= 79/ 81/ 6
:53: 0. 0 .6532261E+01 BJNH T/D= 79/ 81/ 6:54: 0. 0 .78919
30E+01 BJNH T/D= 79/ 81/ 6:55: 0. 0 .9807839E+01
BJNH T/D= 79/ 81/ 6:56: 0. 0 .1209201E+02
BJNH T/D= 79/ 81/ 6:57: 0. 0 .1369691E+02 BJNH T/D= 79/ 8
1/ 6:58: 0. 0 .1486495E+02 BJNH T/D= 79/ 81/ 6:59: 0. 0 .1
540496E+02 BJNH T/D= 79/ 81/ 7: 0: 0. 0 .1547354E+02
BJNH T/D= 79/ 81/ 7: 1: 0. 0 .1584810E+02
BJNH T/D= 79/ 81/ 7: 2: 0. 0 .1597660E+02 BJNH T/D= 7
9/ 81/ 7: 3: 0. 0 .1604294E+02 BJNH T/D= 79/ 81/ 7: 4: 0. 0
.1611181E+02 BJNH T/D= 79/ 81/ 7: 5: 0. 0 .1617787E+02
BJNH T/D= 79/ 81/ 7: 6: 0. 0 .1624408E+02
BJNH T/D= 79/ 81/ 7: 7: 0. 0 .1542581E+02 BJNH T/
D= 79/ 81/ 7: 8: 0. 0 .1449627E+02 BJNH T/D= 79/ 81/ 7: 9: 0.
0 .1374128E+02 BJNH T/D= 79/ 81/ 7:10: 0. 0 .1284407E+02
BJNH T/D= 79/ 81/ 7:11: 0. 0 .1164131E+02
BJNH T/D= 79/ 81/ 7:12: 0. 0 .1034350E+02 BJNH
T/D= 79/ 81/ 7:13: 0. 0 .9494446E+01 BJNH T/D= 79/ 81/ 7:14
: 0. 0 .7144490E+01 BJNH T/D= 79/ 81/ 7:15: 0. 0 .5577246E
+01 BJNH T/D= 79/ 81/ 7:16: 0. 0 .3924760E+01
BJNH T/D= 79/ 81/ 7:17: 0. 0 .3689750E+01 B
JNH T/D= 79/ 81/ 7:18: 0. 0 .3755816E+01 BJNH T/D= 79/ 81/
7:19: 0. 0 .3700108E+01 BJNH T/D= 79/ 81/ 7:20: 0. 0 .3522
346E+01 BJNH T/D= 79/ 81/ 7:21: 0. 0 .3564897E+01
BJNH T/D= 79/ 81/ 7:22: 0. 0 .3191597E+01
BJNH T/D= 79/ 81/ 7:23: 0. 0 .3257803E+01 BJNH T/D= 79/
81/ 7:24: 0. 0 .3973889E+01 BJNH T/D= 79/ 81/ 7:25: 0. 0
4226115E+01 BJNH T/D= 79/ 81/ 7:26: 0. 0 .4992311E+01
BJNH T/D= 79/ 81/ 7:27: 0. 0 .4079427E+01
BJNH T/D= 79/ 81/ 7:28: 0. 0 .1781819E+01 BJNH T/D=
79/ 81/ 7:29: 0. 0 -.2823185E+00 BJNH T/D= 79/ 81/ 7:30: 0. 0
.9470380E+00 BJNH T/D= 79/ 81/ 7:31: 0. 0 .1306201E+01
BJNH T/D= 79/ 81/ 7:32: 0. 0 .1588800E+01
BJNH T/D= 79/ 81/ 7:33: 0. 0 .1503979E+01 BJNH T
/D= 79/ 81/ 7:34: 0. 0 .3427875E+00 BJNH T/D= 79/ 81/ 7:35: 0
. 0 -.9200218E+00 BJNH T/D= 79/ 81/ 7:36: 0. 0 -.1310818E+01
BJNH T/D= 79/ 81/ 7:37: 0. 0 -.1472343E+01
BJNH T/D= 79/ 81/ 7:38: 0. 0 -.1547507E+01 BJNH
T/D= 79/ 81/ 7:39: 0. 0 -.7995076E+00 BJNH

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***** JOB DONE.
$AVF IN 18
$EXE TPLIST BS

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INPUT PARAMETERS ARE: AS SR=1=1

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TAPE NO. 1 FILE NO. 19
RECORD 1 LENGTH 8000
T/D= 79/ 81/ 6: 0: 0. 0 .6551760E-02 BJND T/D= 79/ 81/ 6:
1: 0. 0 .5691168E+01 BJND T/D= 79/ 81/ 6: 2: 0. 0 .1121541
E+02 BJND T/D= 79/ 81/ 6: 3: 0. 0 .1253492E+02
BJND T/D= 79/ 81/ 6: 4: 0. 0 .1018947E+02
BJND T/D= 79/ 81/ 6: 5: 0. 0 .8383002E+01 BJND T/D= 79/ 81/
6: 6: 0. 0 .6609545E+01 BJND T/D= 79/ 81/ 6: 7: 0. 0 .549
0795E+01 BJND T/D= 79/ 81/ 6: 8: 0. 0 .4909092E+01
BJND T/D= 79/ 81/ 6: 9: 0. 0 .4973941E+01
BJND T/D= 79/ 81/ 6:10: 0. 0 .5035296E+01 BJND T/D= 79/
81/ 6:11: 0. 0 .4751046E+01 BJND T/D= 79/ 81/ 6:12: 0. 0
.4601542E+01 BJND T/D= 79/ 81/ 6:13: 0. 0 .4819002E+01
BJND T/D= 79/ 81/ 6:14: 0. 0 .5478369E+01
BJND T/D= 79/ 81/ 6:15: 0. 0 .6952820E+01 BJND T/D=
79/ 81/ 6:16: 0. 0 .7857606E+01 BJND T/D= 79/ 81/ 6:17: 0.

```

BJND T/D= 79/ 81/ 6:20: 0. 0 .9455542E+01 BJND
T/D= 79/ 81/ 6:21: 0. 0 .9196921E+01 BJND T/D= 79/ 81/ 6:22:
0. 0 .8679679E+01 BJND T/D= 79/ 81/ 6:23: 0. 0 .7721305E+0
1 BJND T/D= 79/ 81/ 6:24: 0. 0 .7257651E+01
BJND T/D= 79/ 81/ 6:25: 0. 0 .6774969E+01 BJN
T/D= 79/ 81/ 6:26: 0. 0 .6647989E+01 BJND T/D= 79/ 81/ 6:
7: 0. 0 .6640999E+01 BJND T/D= 79/ 81/ 6:28: 0. 0 .742462
9E+01 BJND T/D= 79/ 81/ 6:29: 0. 0 .8940242E+01
BJND T/D= 79/ 81/ 6:30: 0. 0 .1160684E+02
BJND T/D= 79/ 81/ 6:31: 0. 0 .1499415E+02 BJND T/D= 79/ 81
/ 6:32: 0. 0 .1694818E+02 BJND T/D= 79/ 81/ 6:33: 0. 0 .19
00899E+02 BJND T/D= 79/ 81/ 6:34: 0. 0 .1608222E+02
BJND T/D= 79/ 81/ 6:35: 0. 0 .1299780E+02
BJND T/D= 79/ 81/ 6:36: 0. 0 .8875004E+01 BJND T/D= 79
/ 81/ 6:37: 0. 0 .6331120E+01 BJND T/D= 79/ 81/ 6:38: 0. 0
.4288556E+01 BJND T/D= 79/ 81/ 6:39: 0. 0 .2685571E+01
BJND T/D= 79/ 81/ 6:40: 0. 0 .8111508E+00
BJND T/D= 79/ 81/ 6:41: 0. 0 -.5899078E+00 BJND T/D
= 79/ 81/ 6:42: 0. 0 -.2897364E+00 BJND T/D
0 .1550124E+01 BJND T/D= 79/ 81/ 6:43: 0.
BJND T/D= 79/ 81/ 6:44: 0. 0 .2891381E+01
BJND T/D= 79/ 81/ 6:45: 0. 0 .4568535E+01
BJND T/D= 79/ 81/ 6:46: 0. 0 .5851544E+01 BJND
T/D= 79/ 81/ 6:47: 0. 0 .7116303E+01 BJND T/D= 79/ 81/ 6:48:
0. 0 .8259128E+01 BJND T/D= 79/ 81/ 6:49: 0. 0 .9290118E+
01 BJND T/D= 79/ 81/ 6:50: 0. 0 .1017083E+02
BJND T/D= 79/ 81/ 6:51: 0. 0 .1083757E+02 BJ
ND T/D= 79/ 81/ 6:52: 0. 0 .1145384E+02 BJND T/D= 79/ 81/ 6
:53: 0. 0 .1197147E+02 BJND T/D= 79/ 81/ 6:54: 0. 0 .12323
67E+02 BJND T/D= 79/ 81/ 6:55: 0. 0 .1255589E+02
BJND T/D= 79/ 81/ 6:56: 0. 0 .1261414E+02 BJND T/D= 79/ 8
/ 6:58: 0. 0 .1230969E+02 BJND T/D= 79/ 81/ 6:59: 0. 0 .1
13534E+02 BJND T/D= 79/ 81/ 7: 0: 0. 0 .1187944E+02
BJND T/D= 79/ 81/ 7: 1: 0. 0 .1159441E+02
BJND T/D= 79/ 81/ 7: 2: 0. 0 .1124803E+02 BJND T/D= 7
9/ 81/ 7: 3: 0. 0 .1094358E+02 BJND T/D= 79/ 81/ 7: 4: 0. 0
.1054012E+02 BJND T/D= 79/ 81/ 7: 5: 0. 0 .1012268E+02
BJND T/D= 79/ 81/ 7: 6: 0. 0 .9604269E+01 BJND T/
D= 79/ 81/ 7: 8: 0. 0 .8734044E+01 BJND T/D= 79/ 81/ 7: 9: 0.
0 .8214472E+01 BJND T/D= 79/ 81/ 7: 10: 0. 0 .7668105E+01
BJND T/D= 79/ 81/ 7: 11: 0. 0 .7407154E+01
BJND T/D= 79/ 81/ 7: 12: 0. 0 .6938064E+01 BJND
T/D= 79/ 81/ 7: 13: 0. 0 .6719828E+01 BJND T/D= 79/ 81/ 7: 14
: 0. 0 .7272019E+01 BJND T/D= 79/ 81/ 7: 15: 0. 0 .8400477E
+01 BJND T/D= 79/ 81/ 7: 16: 0. 0 .9356132E+01
BJND T/D= 79/ 81/ 7: 17: 0. 0 .9620967E+01 B
JND T/D= 79/ 81/ 7: 18: 0. 0 .9066446E+01 BJND T/D= 79/ 81/
7: 19: 0. 0 .7788873E+01 BJND T/D= 79/ 81/ 7: 20: 0. 0 .6634
786E+01 BJND T/D= 79/ 81/ 7: 21: 0. 0 .6056577E+01
BJND T/D= 79/ 81/ 7: 22: 0. 0 .6118709E+01
BJND T/D= 79/ 81/ 7: 23: 0. 0 .6503145E+01 BJND T/D= 79/
81/ 7: 24: 0. 0 .6962140E+01 BJND T/D= 79/ 81/ 7: 25: 0. 0 .
7744604E+01 BJND T/D= 79/ 81/ 7: 26: 0. 0 .9270314E+01
BJND T/D= 79/ 81/ 7: 27: 0. 0 .1200370E+02
BJND T/D= 79/ 81/ 7: 28: 0. 0 .1314614E+02 BJND T/D=
79/ 81/ 7: 29: 0. 0 .1271161E+02 BJND T/D= 79/ 81/ 7: 30: 0. 0
.1144258E+02 BJND T/D= 79/ 81/ 7: 31: 0. 0 .9889684E+01
BJND T/D= 79/ 81/ 7: 32: 0. 0 .8758896E+01
BJND T/D= 79/ 81/ 7: 33: 0. 0 .8284758E+01 BJND T
/D= 79/ 81/ 7: 34: 0. 0 .8253692E+01 BJND T/D= 79/ 81/ 7: 35: 0
. 0 .8073511E+01 BJND T/D= 79/ 81/ 7: 36: 0. 0 .8320095E+01
BJND T/D= 79/ 81/ 7: 37: 0. 0 .8715793E+01
BJND T/D= 79/ 81/ 7: 38: 0. 0 .8778701E+01 BJND

***** JOB DONE.
SAVF IN 23
SEXEXE TPLIST BS

INPUT PARAMETERS ARE: AS SR=1=1 2

TAPE NO. 1 FILE NO. 24
RECORD 1 LENGTH 8000
T/D= 79/ 90/12: 0: 0. 0 -.6770000E+01 CWEH T/D= 79/ 90/12:
1: 0. 0 0. CWEH T/D= 79/ 90/12: 2: 0. 0 0.
CWEH T/D= 79/ 90/12: 3: 0. 0 0.
CWEH T/D= 79/ 90/12: 4: 0. 0 0.
CWEH T/D= 79/ 90/12: 5: 0. 0 0. CWEH T/D= 79/ 90/
12: 6: 0. 0 0. CWEH T/D= 79/ 90/12: 7: 0. 0 0.
CWEH T/D= 79/ 90/12: 8: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/12: 9: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/12:10: 0. 0 .6770000E+01 CWEH T/D= 79/
90/12:11: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/12:12: 0. 0
.6770000E+01 CWEH T/D= 79/ 90/12:13: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/12:14: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/12:15: 0. 0 .6770000E+01 CWEH T/D=
79/ 90/12:16: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/12:17: 0.
0 0. CWEH T/D= 79/ 90/12:18: 0. 0 0.
CWEH T/D= 79/ 90/12:19: 0. 0 0.
CWEH T/D= 79/ 90/12:20: 0. 0 0. CWEH
T/D= 79/ 90/12:21: 0. 0 0. CWEH T/D= 79/ 90/12:22:
0. 0 0. CWEH T/D= 79/ 90/12:23: 0. 0 0.
CWEH T/D= 79/ 90/12:24: 0. 0 0.
CWEH T/D= 79/ 90/12:25: 0. 0 .6770000E+01 CWE
H T/D= 79/ 90/12:26: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/12:
27: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/12:28: 0. 0 .677000
E+01 CWEH T/D= 79/ 90/12:29: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/12:30: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/12:31: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/
/12:32: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/12:33: 0. 0 .67
70000E+01 CWEH T/D= 79/ 90/12:34: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/12:35: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/12:36: 0. 0 .6770000E+01 CWEH T/D= 79/
/ 90/12:37: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/12:38: 0. 0
.6770000E+01 CWEH T/D= 79/ 90/12:39: 0. 0 .1354000E+02
CWEH T/D= 79/ 90/12:40: 0. 0 .1354000E+02
CWEH T/D= 79/ 90/12:41: 0. 0 .1354000E+02 CWEH T/D
= 79/ 90/12:42: 0. 0 .1354000E+02 CWEH T/D= 79/ 90/12:43: 0.
0 .1354000E+02 CWEH T/D= 79/ 90/12:44: 0. 0 .1354000E+02
CWEH T/D= 79/ 90/12:45: 0. 0 .1354000E+02
CWEH T/D= 79/ 90/12:46: 0. 0 .6770000E+01 CWEH
T/D= 79/ 90/12:47: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/12:48:
0. 0 .6770000E+01 CWEH T/D= 79/ 90/12:49: 0. 0 .6770000E+
01 CWEH T/D= 79/ 90/12:50: 0. 0 0.
CWEH T/D= 79/ 90/12:51: 0. 0 0. CW
EH T/D= 79/ 90/12:52: 0. 0 0. CWEH T/D= 79/ 90/12
:53: 0. 0 0. CWEH T/D= 79/ 90/12:54: 0. 0 0.
CWEH T/D= 79/ 90/12:55: 0. 0 0.
CWEH T/D= 79/ 90/12:56: 0. 0 0.
CWEH T/D= 79/ 90/12:57: 0. 0 0. CWEH T/D= 79/ 9
0/12:58: 0. 0 0. CWEH T/D= 79/ 90/12:59: 0. 0 0.
CWEH T/D= 79/ 90/13: 0: 0. 0 0.
CWEH T/D= 79/ 90/13: 1: 0. 0 0.
CWEH T/D= 79/ 90/13: 2: 0. 0 .6770000E+01 CWEH T/D= 7
9/ 90/13: 3: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/13: 4: 0. 0
.6770000E+01 CWEH T/D= 79/ 90/13: 5: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/13: 6: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/13: 7: 0. 0 .6770000E+01 CWEH T/
D= 79/ 90/13: 8: 0. 0 .6770000E+01 CWEH T/D= 79/ 90/13: 9: 0.

CWEH T/D= 79/ 90/13:12: 0. 0 .6770000E+01
T/D= 79/ 90/13:13: 0. 0 .6770000E+01
: 0. 0 .6770000E+01
+01
CWEH T/D= 79/ 90/13:16: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/13:17: 0. 0 .6770000E+01
CWEH T/D= 79/ 90/13:18: 0. 0 0.
:19: 0. 0 0.
CWEH T/D= 79/ 90/13:21: 0. 0 -.6770000E+01
CWEH T/D= 79/ 90/13:22: 0. 0 -.6770000E+01
CWEH T/D= 79/ 90/13:23: 0. 0 -.6770000E+01
90/13:24: 0. 0 -.1354000E+02
1354000E+02
CWEH T/D= 79/ 90/13:26: 0. 0 -.2031000E+02
CWEH T/D= 79/ 90/13:27: 0. 0 -.2031000E+02
CWEH T/D= 79/ 90/13:28: 0. 0 -.2031000E+02
79/ 90/13:29: 0. 0 -.2031000E+02
-.2708000E+02
CWEH T/D= 79/ 90/13:31: 0. 0 -.2708000E+02
CWEH T/D= 79/ 90/13:32: 0. 0 -.2708000E+02
CWEH T/D= 79/ 90/13:33: 0. 0 -.3385000E+02
/D= 79/ 90/13:34: 0. 0 -.3385000E+02
. 0 -.3385000E+02
CWEH T/D= 79/ 90/13:36: 0. 0 -.4062000E+02
CWEH T/D= 79/ 90/13:37: 0. 0 -.4739000E+02
CWEH T/D= 79/ 90/13:38: 0. 0 -.5416000E+02
T/D= 79/ 90/13:39: 0. 0 -.5416000E+02
CWEH

TAPE NO. 1 FILE NO. 25
RECORD 1 LENGTH 8000
T/D= 79/ 90/12: 0: 0. 0 0.

1: 0. 0 0.
CWED T/D= 79/ 90/12: 2: 0. 0 0.
CWED T/D= 79/ 90/12: 3: 0. 0 0.
CWED T/D= 79/ 90/12: 4: 0. 0 0.
CWED T/D= 79/ 90/12: 5: 0. 0 0.
2: 6: 0. 0 0.
CWED T/D= 79/ 90/12: 7: 0. 0 0.
CWED T/D= 79/ 90/12: 8: 0. 0 0.
CWED T/D= 79/ 90/12: 9: 0. 0 0.
CWED T/D= 79/ 90/12:10: 0. 0 0.
90/12:11: 0. 0 0.
CWED T/D= 79/ 90/12:12: 0. 0 0.
CWED T/D= 79/ 90/12:13: 0. 0 0.
CWED T/D= 79/ 90/12:14: 0. 0 0.
CWED T/D= 79/ 90/12:15: 0. 0 0.
79/ 90/12:16: 0. 0 0.
0 .7690000E+01
CWED T/D= 79/ 90/12:18: 0. 0 0.
CWED T/D= 79/ 90/12:19: 0. 0 0.
CWED T/D= 79/ 90/12:20: 0. 0 0.
T/D= 79/ 90/12:21: 0. 0 0.
0. 0 .7690000E+01
2 CWED T/D= 79/ 90/12:22: 0. 0 .1538000E+0
CWED T/D= 79/ 90/12:23: 0. 0 .7690000E+01
CWED T/D= 79/ 90/12:24: 0. 0 .7690000E+01
D T/D= 79/ 90/12:25: 0. 0 .7690000E+01
T/D= 79/ 90/12:26: 0. 0 .7690000E+01
27: 0. 0 .7690000E+01
DE+01 CWED T/D= 79/ 90/12:28: 0. 0 .7690000E+01
CWED T/D= 79/ 90/12:29: 0. 0 .7690000E+01
CWED T/D= 79/ 90/12:30: 0. 0 .7690000E+01
CWED T/D= 79/ 90/12:31: 0. 0 .7690000E+01
/12:32: 0. 0 .7690000E+01
900000E+01 CWED T/D= 79/ 90/12:33: 0. 0 .76
CWED T/D= 79/ 90/12:34: 0. 0 .7690000E+01
CWED T/D= 79/ 90/12:35: 0. 0 .7690000E+01
CWED T/D= 79/ 90/12:36: 0. 0 .7690000E+01
/ 90/12:37: 0. 0 .7690000E+01
CWED T/D= 79/ 90/12:38: 0. 0
.7690000E+01 CWED T/D= 79/ 90/12:39: 0. 0 .7690000E+01
CWED T/D= 79/ 90/12:40: 0. 0 .7690000E+01
= 79/ 90/12:42: 0. 0 0.
0 0. CWED T/D= 79/ 90/12:43: 0.
0 0. CWED T/D= 79/ 90/12:44: 0. 0 0.
CWED T/D= 79/ 90/12:45: 0. 0 0.
CWED T/D= 79/ 90/12:46: 0. 0 0.

CWFH

CWED T/D= 79/ 90/12:49: 0. 0 0.
 CWED T/D= 79/ 90/12:50: 0. 0 0.
 ED T/D= 79/ 90/12:52: 0. 0 0. CW
 :53: 0. 0 0. CWED T/D= 79/ 90/12:54: 0. 0 0.
 CWED T/D= 79/ 90/12:55: 0. 0 0.
 CWED T/D= 79/ 90/12:56: 0. 0 -.7690000E+01
 CWED T/D= 79/ 90/12:57: 0. 0 -.7690000E+01 CWED T/D= 79/ 9
 0/12:58: 0. 0 -.7690000E+01 CWED T/D= 79/ 90/12:59: 0. 0 -.7
 690000E+01 CWED T/D= 79/ 90/13: 0: 0. 0 -.7690000E+01
 CWED T/D= 79/ 90/13: 1: 0. 0 -.7690000E+01 CWED T/D= 7
 9/ 90/13: 2: 0. 0 -.7690000E+01 CWED T/D= 7
 9/ 90/13: 3: 0. 0 0. CWED T/D= 79/ 90/13: 4: 0. 0
 0. CWED T/D= 79/ 90/13: 5: 0. 0 0.
 CWED T/D= 79/ 90/13: 6: 0. 0 0.
 CWED T/D= 79/ 90/13: 7: 0. 0 0. CWED T/
 D= 79/ 90/13: 8: 0. 0 0. CWED T/D= 79/ 90/13: 9: 0.
 0 0. CWED T/D= 79/ 90/13:10: 0. 0 0.
 CWED T/D= 79/ 90/13:11: 0. 0 0.
 CWED T/D= 79/ 90/13:12: 0. 0 0. CWED
 T/D= 79/ 90/13:13: 0. 0 0. CWED
 : 0. 0 0. CWED T/D= 79/ 90/13:14
 CWED T/D= 79/ 90/13:15: 0. 0 0.
 CWED T/D= 79/ 90/13:16: 0. 0 0.
 CWED T/D= 79/ 90/13:17: 0. 0 .7690000E+01 C
 WED T/D= 79/ 90/13:18: 0. 0 .7690000E+01 CWED T/D= 79/ 90/1
 3:19: 0. 0 .7690000E+01 CWED T/D= 79/ 90/13:20: 0. 0 .7690
 000E+01 CWED T/D= 79/ 90/13:21: 0. 0 .7690000E+01
 CWED T/D= 79/ 90/13:22: 0. 0 .7690000E+01
 CWED T/D= 79/ 90/13:23: 0. 0 .7690000E+01 CWED T/D= 79/
 90/13:24: 0. 0 .1538000E+02 CWED T/D= 79/ 90/13:25: 0. 0 .
 1538000E+02 CWED T/D= 79/ 90/13:26: 0. 0 .7690000E+01
 CWED T/D= 79/ 90/13:27: 0. 0 .7690000E+01
 CWED T/D= 79/ 90/13:28: 0. 0 .7690000E+01 CWED T/D=
 79/ 90/13:29: 0. 0 .7690000E+01 CWED T/D= 79/ 90/13:30: 0. 0
 .7690000E+01 CWED T/D= 79/ 90/13:31: 0. 0 .7690000E+01
 CWED T/D= 79/ 90/13:32: 0. 0 .7690000E+01
 CWED T/D= 79/ 90/13:33: 0. 0 .7690000E+01 CWED T
 /D= 79/ 90/13:34: 0. 0 .7690000E+01 CWED T/D= 79/ 90/13:35: 0
 . 0 .7690000E+01 CWED T/D= 79/ 90/13:36: 0. 0 0.
 CWED T/D= 79/ 90/13:37: 0. 0 0.
 CWED T/D= 79/ 90/13:38: 0. 0 0. CWED
 T/D= 79/ 90/13:39: 0. 0 0. CWED

***** JOB DONE.
 \$AVF IN 49
 \$EXE TPLIST BS

INPUT PARAMETERS ARE: AS SR=1=1

TAPE NO. 1 FILE NO. 50
 RECORD 1 LENGTH 8000

T/D= 79/ 90/12: 0: 0. 0 0. LRVZ T/D= 79/ 90/12:
 1: 0. 0 -.2100000E+00 LRVZ T/D= 79/ 90/12: 2: 0. 0 -.1600000
 E+00 LRVZ T/D= 79/ 90/12: 3: 0. 0 -.5767000E+00
 LRVZ T/D= 79/ 90/12: 4: 0. 0 -.1186500E+01
 LRVZ T/D= 79/ 90/12: 5: 0. 0 -.1401100E+01 LRVZ T/D= 79/ 90/
 12: 6: 0. 0 -.1585100E+01 LRVZ T/D= 79/ 90/12: 7: 0. 0 -.189
 0900E+01 LRVZ T/D= 79/ 90/12: 8: 0. 0 -.1445600E+01
 LRVZ T/D= 79/ 90/12: 9: 0. 0 -.1716800E+01
 LRVZ T/D= 79/ 90/12:10: 0. 0 -.1470700E+01 LRVZ T/D= 79/
 90/12:11: 0. 0 -.1968600E+01 LRVZ T/D= 79/ 90/12:12: 0. 0 -
 .2036800E+01 LRVZ T/D= 79/ 90/12:13: 0. 0 -.1653800E+01
 LRVZ T/D= 79/ 90/12:14: 0. 0 -.1549400E+01
 LRVZ T/D= 79/ 90/12:15: 0. 0 -.1779500E+01 LRVZ T/D=
 79/ 90/12:16: 0. 0 -.1454000E+01 LRVZ T/D= 79/ 90/12:17: 0.

LRVZ T/D= 79/ 90/12:19: 0. 0 -.1562700E+01
LRVZ T/D= 79/ 90/12:20: 0. 0 -.1656000E+01
LRVZ T/D= 79/ 90/12:21: 0. 0 -.1390900E+01
LRVZ T/D= 79/ 90/12:22: 0. 0 -.1279900E+01
LRVZ T/D= 79/ 90/12:23: 0. 0 -.1055600E+01
LRVZ T/D= 79/ 90/12:24: 0. 0 -.1122400E+01
LRVZ T/D= 79/ 90/12:25: 0. 0 -.1363800E+01
LRVZ T/D= 79/ 90/12:26: 0. 0 -.1451500E+01
LRVZ T/D= 79/ 90/12:27: 0. 0 -.1318100E+01
LRVZ T/D= 79/ 90/12:28: 0. 0 -.4673000E+00
LRVZ T/D= 79/ 90/12:29: 0. 0 -.1160000E+01
LRVZ T/D= 79/ 90/12:30: 0. 0 -.1513900E+01
LRVZ T/D= 79/ 90/12:31: 0. 0 -.1777900E+01
LRVZ T/D= 79/ 90/12:32: 0. 0 -.2005900E+01
LRVZ T/D= 79/ 90/12:33: 0. 0 -.1407700E+01
LRVZ T/D= 79/ 90/12:34: 0. 0 -.1704800E+01
LRVZ T/D= 79/ 90/12:35: 0. 0 -.1261500E+01
LRVZ T/D= 79/ 90/12:36: 0. 0 -.9626000E+00
LRVZ T/D= 79/ 90/12:37: 0. 0 -.2930000E+00
LRVZ T/D= 79/ 90/12:38: 0. 0 .4040000E+00
LRVZ T/D= 79/ 90/12:39: 0. 0 .1152100E+01
LRVZ T/D= 79/ 90/12:40: 0. 0 .1686200E+01
LRVZ T/D= 79/ 90/12:41: 0. 0 .2561500E+01
LRVZ T/D= 79/ 90/12:42: 0. 0 .3044300E+01
LRVZ T/D= 79/ 90/12:43: 0. 0 .3983200E+01
LRVZ T/D= 79/ 90/12:44: 0. 0 .4835100E+01
LRVZ T/D= 79/ 90/12:45: 0. 0 .5119900E+01
LRVZ T/D= 79/ 90/12:46: 0. 0 .5169600E+01
LRVZ T/D= 79/ 90/12:47: 0. 0 .5211900E+01
LRVZ T/D= 79/ 90/12:48: 0. 0 .5322300E+01
LRVZ T/D= 79/ 90/12:49: 0. 0 .5991600E+01
LRVZ T/D= 79/ 90/12:50: 0. 0 .6144100E+01
LRVZ T/D= 79/ 90/12:51: 0. 0 .6420700E+01
LRVZ T/D= 79/ 90/12:52: 0. 0 .6953400E+01
LRVZ T/D= 79/ 90/12:53: 0. 0 .7475300E+01
LRVZ T/D= 79/ 90/12:54: 0. 0 .7050300E+01
LRVZ T/D= 79/ 90/12:55: 0. 0 .6309800E+01
LRVZ T/D= 79/ 90/12:56: 0. 0 .5459900E+01
LRVZ T/D= 79/ 90/12:57: 0. 0 .5675300E+01
LRVZ T/D= 79/ 90/12:58: 0. 0 .52900E+01
LRVZ T/D= 79/ 90/12:59: 0. 0 .5
LRVZ T/D= 79/ 90/13: 0: 0. 0 .4899000E+01
LRVZ T/D= 79/ 90/13: 1: 0. 0 .4666800E+01
LRVZ T/D= 79/ 90/13: 2: 0. 0 .4546500E+01
LRVZ T/D= 79/ 90/13: 3: 0. 0 .3985400E+01
LRVZ T/D= 79/ 90/13: 4: 0. 0 .4026900E+01
LRVZ T/D= 79/ 90/13: 5: 0. 0 .4470900E+01
LRVZ T/D= 79/ 90/13: 6: 0. 0 .4805200E+01
LRVZ T/D= 79/ 90/13: 7: 0. 0 .5740900E+01
LRVZ T/D= 79/ 90/13: 8: 0. 0 .5406600E+01
LRVZ T/D= 79/ 90/13: 9: 0. 0 .5453800E+01
LRVZ T/D= 79/ 90/13: 10: 0. 0 .5873300E+01
LRVZ T/D= 79/ 90/13: 11: 0. 0 .6379400E+01
LRVZ T/D= 79/ 90/13: 12: 0. 0 .6781000E+01
LRVZ T/D= 79/ 90/13: 13: 0. 0 .7218600E+01
LRVZ T/D= 79/ 90/13: 14: 0. 0 .7643600E+01
LRVZ T/D= 79/ 90/13: 15: 0. 0 .7577200E+01
LRVZ T/D= 79/ 90/13: 16: 0. 0 .7357300E+01
LRVZ T/D= 79/ 90/13: 17: 0. 0 .7738300E+01
LRVZ T/D= 79/ 90/13: 18: 0. 0 .7655900E+01
LRVZ T/D= 79/ 90/13: 19: 0. 0 .7904200E+01
LRVZ T/D= 79/ 90/13: 20: 0. 0 .8339800E+01
LRVZ T/D= 79/ 90/13: 21: 0. 0 .8389800E+01
LRVZ T/D= 79/ 90/13: 22: 0. 0 .8437400E+01
LRVZ T/D= 79/ 90/13: 23: 0. 0 .8489800E+01
LRVZ T/D= 79/ 90/13: 24: 0. 0 .8599700E+01
LRVZ T/D= 79/ 90/13: 25: 0. 0 .8630800E+01
LRVZ T/D= 79/ 90/13: 26: 0. 0 .8683800E+01
LRVZ T/D= 79/ 90/13: 27: 0. 0 .8451900E+01
LRVZ T/D= 79/ 90/13: 28: 0. 0 .8381800E+01
LRVZ T/D= 79/ 90/13: 29: 0. 0 .8114900E+01
LRVZ T/D= 79/ 90/13: 30: 0. 0 .8242700E+01
LRVZ T/D= 79/ 90/13: 31: 0. 0 .8526500E+01
LRVZ T/D= 79/ 90/13: 32: 0. 0 .9235100E+01
LRVZ T/D= 79/ 90/13: 33: 0. 0 .9553500E+01
LRVZ T/D= 79/ 90/13: 34: 0. 0 .9854800E+01
LRVZ T/D= 79/ 90/13: 35: 0. 0 .1007900E+02
LRVZ T/D= 79/ 90/13: 36: 0. 0 .9948800E+01
LRVZ T/D= 79/ 90/13: 37: 0. 0 .1028450E+02
LRVZ T/D= 79/ 90/13: 38: 0. 0 .1028450E+02

SNOP *** LIST OF X397 *****
SAVF IN 49
SEXU TPLIST BS

W-54213
Last record file
50

INPUT PARAMETERS ARE: AS FL=1=1

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 8000
T/D= 79/ 90/12: 0: 0. 0 0. LRVZ T/D= 79/ 90/12:
1: 0. 0 -.2100000E+00 LRVZ T/D= 79/ 90/12: 2: 0. 0 -.1600000
E+00 LRVZ T/D= 79/ 90/12: 3: 0. 0 -.5767000E+00
LRVZ T/D= 79/ 90/12: 4: 0. 0 -.1186500E+01
LRVZ T/D= 79/ 90/12: 5: 0. 0 -.1401100E+01 LRVZ T/D= 79/ 90/
12: 6: 0. 0 -.1585100E+01 LRVZ T/D= 79/ 90/12: 7: 0. 0 -.189
0900E+01 LRVZ T/D= 79/ 90/12: 8: 0. 0 -.1445600E+01
LRVZ T/D= 79/ 90/12: 9: 0. 0 -.1716800E+01
LRVZ T/D= 79/ 90/12: 10: 0. 0 -.1470700E+01 LRVZ T/D= 79/
90/12: 11: 0. 0 -.1968600E+01 LRVZ T/D= 79/ 90/12: 12: 0. 0 -
.2036800E+01 LRVZ T/D= 79/ 90/12: 13: 0. 0 -.1653800E+01
LRVZ T/D= 79/ 90/12: 14: 0. 0 -.1549400E+01
LRVZ T/D= 79/ 90/12: 15: 0. 0 -.1779500E+01 LRVZ T/D=
79/ 90/12: 16: 0. 0 -.1454000E+01 LRVZ T/D= 79/ 90/12: 17: 0.
0 -.1746300E+01 LRVZ T/D= 79/ 90/12: 18: 0. 0 -.2140500E+01
LRVZ T/D= 79/ 90/12: 19: 0. 0 -.1562700E+01
LRVZ T/D= 79/ 90/12: 20: 0. 0 -.1656000E+01 LRVZ
T/D= 79/ 90/12: 21: 0. 0 -.1390900E+01 LRVZ T/D= 79/ 90/12: 22:
0. 0 -.7741000E+00 LRVZ T/D= 79/ 90/12: 23: 0. 0 -.1279900E+0
1 LRVZ T/D= 79/ 90/12: 24: 0. 0 -.1055600E+01
LRVZ T/D= 79/ 90/12: 25: 0. 0 -.1122400E+01 LRV
Z T/D= 79/ 90/12: 26: 0. 0 -.1363800E+01 LRVZ T/D= 79/ 90/12:
27: 0. 0 -.1318100E+01 LRVZ T/D= 79/ 90/12: 28: 0. 0 -.145150
E+01 LRVZ T/D= 79/ 90/12: 29: 0. 0 -.4673000E+00
LRVZ T/D= 79/ 90/12: 30: 0. 0 -.1160000E+01
LRVZ T/D= 79/ 90/12: 31: 0. 0 -.1513900E+01 LRVZ T/D= 79/ 90/
/12: 32: 0. 0 -.1777900E+01 LRVZ T/D= 79/ 90/12: 33: 0. 0 -.20
05900E+01 LRVZ T/D= 79/ 90/12: 34: 0. 0 -.1407700E+01
LRVZ T/D= 79/ 90/12: 35: 0. 0 -.1704800E+01
LRVZ T/D= 79/ 90/12: 36: 0. 0 -.1261500E+01 LRVZ T/D= 79/
/ 90/12: 37: 0. 0 -.9626000E+00 LRVZ T/D= 79/ 90/12: 38: 0. 0
-.2930000E+00 LRVZ T/D= 79/ 90/12: 39: 0. 0 .4040000E+00
LRVZ T/D= 79/ 90/12: 40: 0. 0 .1152100E+01
LRVZ T/D= 79/ 90/12: 41: 0. 0 .1686200E+01 LRVZ T/D
= 79/ 90/12: 42: 0. 0 .2561500E+01 LRVZ T/D= 79/ 90/12: 43: 0.
0 .3044300E+01 LRVZ T/D= 79/ 90/12: 44: 0. 0 .3983200E+01
LRVZ T/D= 79/ 90/12: 45: 0. 0 .4835100E+01
LRVZ T/D= 79/ 90/12: 46: 0. 0 .5119900E+01 LRVZ
T/D= 79/ 90/12: 47: 0. 0 .5169600E+01 LRVZ T/D= 79/ 90/12: 48:
0. 0 .5211900E+01 LRVZ T/D= 79/ 90/12: 49: 0. 0 .5322300E+
01 LRVZ T/D= 79/ 90/12: 50: 0. 0 .5991600E+01
LRVZ T/D= 79/ 90/12: 51: 0. 0 .6144100E+01 LR
VZ T/D= 79/ 90/12: 52: 0. 0 .6420700E+01 LRVZ T/D= 79/ 90/12
: 53: 0. 0 .6953400E+01 LRVZ T/D= 79/ 90/12: 54: 0. 0 .74753
00E+01 LRVZ T/D= 79/ 90/12: 55: 0. 0 .7050300E+01
LRVZ T/D= 79/ 90/12: 56: 0. 0 .6309800E+01
LRVZ T/D= 79/ 90/12: 57: 0. 0 .5459900E+01 LRVZ T/D= 79/ 9
0/12: 58: 0. 0 .5675300E+01 LRVZ T/D= 79/ 90/12: 59: 0. 0 .5
352900E+01 LRVZ T/D= 79/ 90/13: 0: 0. 0 .4899000E+01
LRVZ T/D= 79/ 90/13: 1: 0. 0 .4666800E+01
LRVZ T/D= 79/ 90/13: 2: 0. 0 .4546500E+01 LRVZ T/D= 7
9/ 90/13: 3: 0. 0 .3985400E+01 LRVZ T/D= 79/ 90/13: 4: 0. 0
.4026900E+01 LRVZ T/D= 79/ 90/13: 5: 0. 0 .4470900E+01
LRVZ T/D= 79/ 90/13: 6: 0. 0 .4805200E+01
LRVZ T/D= 79/ 90/13: 7: 0. 0 .5740900E+01 LRVZ T/
D= 79/ 90/13: 8: 0. 0 .5406600E+01 LRVZ T/D= 79/ 90/13: 9: 0.

LRVZ T/D= 79/ 90/13:12: 0. 0 .6781000E+01 LRVZ
T/D= 79/ 90/13:13: 0. 0 .7218600E+01 LRVZ T/D= 79/ 90/13:14
: 0. 0 .7643600E+01 LRVZ T/D= 79/ 90/13:15: 0. 0 .7577200E
+01 LRVZ T/D= 79/ 90/13:16: 0. 0 .7357300E+01
LRVZ T/D= 79/ 90/13:17: 0. 0 .7738300E+01 L
RVZ T/D= 79/ 90/13:18: 0. 0 .7655900E+01 LRVZ T/D= 79/ 90/1
:19: 0. 0 .7904200E+01 LRVZ T/D= 79/ 90/13:20: 0. 0 .8339
800E+01 LRVZ T/D= 79/ 90/13:21: 0. 0 .8389800E+01
LRVZ T/D= 79/ 90/13:22: 0. 0 .8437400E+01
LRVZ T/D= 79/ 90/13:23: 0. 0 .8489800E+01 LRVZ T/D= 79/
90/13:24: 0. 0 .8860600E+01 LRVZ T/D= 79/ 90/13:25: 0. 0 .
8599700E+01 LRVZ T/D= 79/ 90/13:26: 0. 0 .8630800E+01
LRVZ T/D= 79/ 90/13:27: 0. 0 .8683800E+01
LRVZ T/D= 79/ 90/13:28: 0. 0 .8451900E+01 LRVZ T/D=
79/ 90/13:29: 0. 0 .8381800E+01 LRVZ T/D= 79/ 90/13:30: 0. 0
.8114900E+01 LRVZ T/D= 79/ 90/13:31: 0. 0 .8242700E+01
LRVZ T/D= 79/ 90/13:32: 0. 0 .8526500E+01
LRVZ T/D= 79/ 90/13:33: 0. 0 .9235100E+01 LRVZ T
/D= 79/ 90/13:34: 0. 0 .9553500E+01 LRVZ T/D= 79/ 90/13:35: 0
. 0 .9854800E+01 LRVZ T/D= 79/ 90/13:36: 0. 0 .1007900E+02
LRVZ T/D= 79/ 90/13:37: 0. 0 .9948800E+01
LRVZ T/D= 79/ 90/13:38: 0. 0 .1028450E+02 LRVZ
T/D= 79/ 90/13:39: 0. 0 .1055980E+02 LRVZ

TAPE NO. 1 FILE NO. 1
RECORD 11 LENGTH 6400
T/D= 79/ 91/ 4:40: 0. 0 .5003130E+02 LRVZ T/D= 79/ 91/ 4:4
1: 0. 0 .4711050E+02 LRVZ T/D= 79/ 91/ 4:42: 0. 0 .4453630
E+02 LRVZ T/D= 79/ 91/ 4:43: 0. 0 .4595410E+02
LRVZ T/D= 79/ 91/ 4:44: 0. 0 .4826170E+02
LRVZ T/D= 79/ 91/ 4:45: 0. 0 .4970640E+02 LRVZ T/D= 79/ 91/
4:46: 0. 0 .4764730E+02 LRVZ T/D= 79/ 91/ 4:47: 0. 0 .455
170E+02 LRVZ T/D= 79/ 91/ 4:48: 0. 0 .4468760E+02
LRVZ T/D= 79/ 91/ 4:49: 0. 0 .4499480E+02
LRVZ T/D= 79/ 91/ 4:50: 0. 0 .4476340E+02 LRVZ T/D= 79/
91/ 4:51: 0. 0 .4418340E+02 LRVZ T/D= 79/ 91/ 4:52: 0. 0
.4047850E+02 LRVZ T/D= 79/ 91/ 4:53: 0. 0 .3736830E+02
LRVZ T/D= 79/ 91/ 4:54: 0. 0 .3544720E+02 LRVZ T/D=
79/ 91/ 4:56: 0. 0 .3493180E+02 LRVZ T/D= 79/ 91/ 4:57: 0.
0 .3469470E+02 LRVZ T/D= 79/ 91/ 4:58: 0. 0 .3287580E+02
LRVZ T/D= 79/ 91/ 4:59: 0. 0 .3011090E+02
LRVZ T/D= 79/ 91/ 5: 0: 0. 0 .2735790E+02 LRVZ
T/D= 79/ 91/ 5: 1: 0. 0 .2496560E+02 LRVZ T/D= 79/ 91/ 5: 2:
0. 0 .2269290E+02 LRVZ T/D= 79/ 91/ 5: 3: 0. 0 .1986310E+0
2 LRVZ T/D= 79/ 91/ 5: 4: 0. 0 .1791120E+02
LRVZ T/D= 79/ 91/ 5: 5: 0. 0 .1592210E+02 LRV
Z T/D= 79/ 91/ 5: 6: 0. 0 .1439490E+02 LRVZ T/D= 79/ 91/ 5:
7: 0. 0 .1416360E+02 LRVZ T/D= 79/ 91/ 5: 8: 0. 0 .177624
0E+02 LRVZ T/D= 79/ 91/ 5: 9: 0. 0 .1961660E+02
LRVZ T/D= 79/ 91/ 5:10: 0. 0 .2274140E+02
LRVZ T/D= 79/ 91/ 5:11: 0. 0 .2652210E+02 LRVZ T/D= 79/ 91
/ 5:12: 0. 0 .2605810E+02 LRVZ T/D= 79/ 91/ 5:13: 0. 0 .23
58840E+02 LRVZ T/D= 79/ 91/ 5:14: 0. 0 .2162250E+02
LRVZ T/D= 79/ 91/ 5:15: 0. 0 .1997430E+02
LRVZ T/D= 79/ 91/ 5:16: 0. 0 .1866030E+02 LRVZ T/D= 79
/ 91/ 5:17: 0. 0 .1774680E+02 LRVZ T/D= 79/ 91/ 5:18: 0. 0
.1768960E+02 LRVZ T/D= 79/ 91/ 5:19: 0. 0 .1777960E+02
LRVZ T/D= 79/ 91/ 5:20: 0. 0 .1836830E+02
LRVZ T/D= 79/ 91/ 5:21: 0. 0 .1902220E+02 LRVZ T/D
= 79/ 91/ 5:22: 0. 0 .1882310E+02 LRVZ T/D= 79/ 91/ 5:23: 0.
0 .1783960E+02 LRVZ T/D= 79/ 91/ 5:24: 0. 0 .1544040E+02
LRVZ T/D= 79/ 91/ 5:25: 0. 0 .1299320E+02
LRVZ T/D= 79/ 91/ 5:26: 0. 0 .1343540E+02 LRVZ

02 LRVZ T/D= 79/ 91/ 5:29: 0. 0 .2312330E+
LRVZ T/D= 79/ 91/ 5:30: 0. 0 .2597610E+02
LRVZ T/D= 79/ 91/ 5:31: 0. 0 .2439530E+02
VZ T/D= 79/ 91/ 5:32: 0. 0 .2151270E+02 LR
:33: 0. 0 .1716940E+02 LRVZ T/D= 79/ 91/ 5
40E+02 LRVZ T/D= 79/ 91/ 5:34: 0. 0 .13441
LRVZ T/D= 79/ 91/ 5:35: 0. 0 .1097040E+02
LRVZ T/D= 79/ 91/ 5:36: 0. 0 .8121400E+01
LRVZ T/D= 79/ 91/ 5:37: 0. 0 .6547300E+01 LRVZ T/D= 79/ 9
1/ 5:38: 0. 0 .7751600E+01 LRVZ T/D= 79/ 91/ 5:39: 0. 0 .8
712300E+01 LRVZ T/D= 79/ 91/ 5:40: 0. 0 .8189400E+01
LRVZ T/D= 79/ 91/ 5:41: 0. 0 .7970100E+01
LRVZ T/D= 79/ 91/ 5:42: 0. 0 .8549300E+01 LRVZ T/D= 7
9/ 91/ 5:43: 0. 0 .9454200E+01 LRVZ T/D= 79/ 91/ 5:44: 0. 0
.7993200E+01 LRVZ T/D= 79/ 91/ 5:45: 0. 0 .7432000E+01
LRVZ T/D= 79/ 91/ 5:46: 0. 0 .7882200E+01
LRVZ T/D= 79/ 91/ 5:47: 0. 0 .7036600E+01 LRVZ T/
D= 79/ 91/ 5:48: 0. 0 .5686800E+01 LRVZ T/D= 79/ 91/ 5:49: 0.
0 .3466800E+01 LRVZ T/D= 79/ 91/ 5:50: 0. 0 .1830700E+01
LRVZ T/D= 79/ 91/ 5:51: 0. 0 .1148300E+01
LRVZ T/D= 79/ 91/ 5:52: 0. 0 .8581000E+00 LRVZ
T/D= 79/ 91/ 5:53: 0. 0 .4210000E-01
: 0. 0 -.1156100E+01 LRVZ T/D= 79/ 91/ 5:54
+00 LRVZ T/D= 79/ 91/ 5:55: 0. 0 -.4017000E
LRVZ T/D= 79/ 91/ 5:56: 0. 0 .1360200E+01
LRVZ T/D= 79/ 91/ 5:57: 0. 0 .2615100E+01 L
RVZ T/D= 79/ 91/ 5:58: 0. 0 .1395600E+01 LRVZ T/D= 79/ 91/
5:59: 0. 0 -.5970000E+00 LRVZ

***** JOB DONE.
\$WEO LPS

REQ. AGENT

REQ NUMBER

ACQ. AGENT

LSM

V0144

DMS

GG-29A

AFGL MAGNETOMETER

This data set consists of 2 tape(s). The tape(s) is 9 track, 1600 bpi, ASCII with 1 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-45295	C-21534	3/22/79 - 3/31/79
D-45296	C-21535	3/31/79 - 4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 499-294

DATE DATA RECEIVED: 06/21/79

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>2 Mag Tapes</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: Alouette 1 magnetometer

EXPERIMENT NAME: _____

DATA SET FULL NAME: Alouette 1 Data 15 Station

CONTACT: NSDF ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: 10

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: 107402, 15, 16 C-21534, 35

REMARKS:

71600 ascii 9hrk 1 file
3/22/79 - 3/31/79

3/31/79 - 4/1/79

C DAW

DATA RECEIPT NOTIFICATION SENT?

[Signature]
DATA TECHNICIAN

Date 6/22/81
NSSDC ID 66-(29A)

CDAW DATA SET ENTRY

Date Rcvd : 6/15/81 CDB: 06

Data Sent By : Paul Fougere
(FOUS02, FOUS03)

Material Rcvd : 2 Tapes - 1600 Bpi, 9 Trk, Ascii (2 files)

Documentation, Dump, verification
Plots.

Satellite/NSRF Name: AFGL Magnetometer

Data Set Name: Magnetometer Data (7 stations, 1 second)

New Data Set Additions Replacements
Comments _____

Time Coverage : 22 March 79 - 1 April 79

~~Tapes To be Returned to:~~ _____

Ascii
Dump

Completed By: Don Sawyer



National Aeronautics and
Space Administration

DATA ANALYSIS WORKSHOP CENTER

CDB TAPE DOCUMENTATION FORM

CDB 6
GS-29A
6/22/81

SECTION I. DATA SET DESCRIPTION (please print)

1. Data Set Name AFGL MAGNETOMETER DATA		
2. Scientific Contact DR P. FOUGERE	3. Telephone No. or Telex No. 617 861 3211	
4. Address AFGL / PHG ; HANSCOM AFB		
5. City d	6. State MA	7. ZIP Code or Country 01731
8. Programmer Contact FOUGERE		

SECTION II. TAPE DESCRIPTION

1. No. of Tapes Submitted 2	2. Tape Density <input type="checkbox"/> 800 bpi <input checked="" type="checkbox"/> 1600 bpi
3. No. of Files (per tape) 2 Files total	
4. No. of End of File Marks 2	5. No. of Tracks <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 9
6. Recording Parity Coded	7. Make and Model of Computer Used to Generate Tape CDC 6600
8. Are tapes written in binary, <u>coded</u> or both? (e.g. BCD) ASCII	
9. What floating point representation is used? (e.g. CDC 64 bit)	
10. What integer representation is used?	
11. No. of Physical Records (per file)	
12. Are original tapes to be returned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. Start and Stop Time of Each File (If more space is needed, please attach.) 1979; DAY 81 Hour 5 Minute 57 to Hour 12 Min. 04 1979; DAY 90 Hour 11 Minute 56 to Day 91 Hour 06 Min 4	

SECTION III. LOGICAL AND PHYSICAL RECORD FORMAT (please attach)

SECTION IV. TO BE FILLED IN BY DAWOC ONLY

		CDB No.
Date Received	Tape No.	
Programmer ID	CON Name	
Data Base	Date Loaded	

FOUGERB

CDB 6
GG-29 A
6/22/81

TAPE FORMAT

This is a two reel set:

Reel 1 = FOU02
Reel 2 = FOU03

Phase encoded, 1600BPI.

Each ASCII coded record (physical and logical) contains 600 characters.
FORTRAN real statement is:

DIMENSION V(60)

Read (5,1000) IT, MIN, NSTA, INCOMP, V

1000 FORMAT (I10, I6, 2I1, 60F9.21, 42X)
(There are 42 blank characters at end of each record)

IT = concatenated time word
= YDDDDHHMMSS = Universal Time

MIN = No of minutes since start of year

NSTA = STATION No. = 1, 2, 7

INCOMP = Component 1 = x; 2 = y; 3 = z

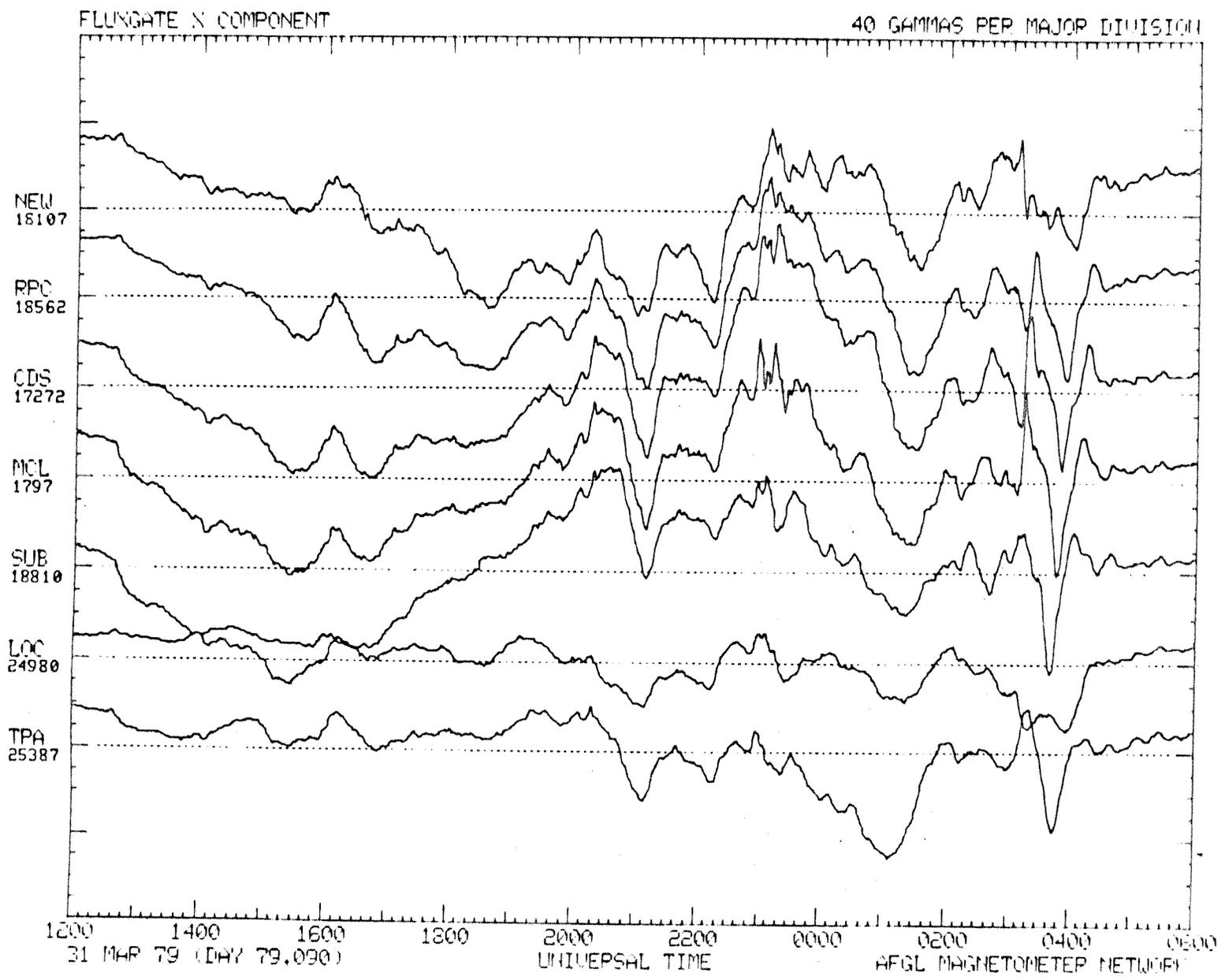
V = Vector containing 60 observations of x or y or z
spaced one second apart.

Any V word = 99999.0 represents bad or missing data.

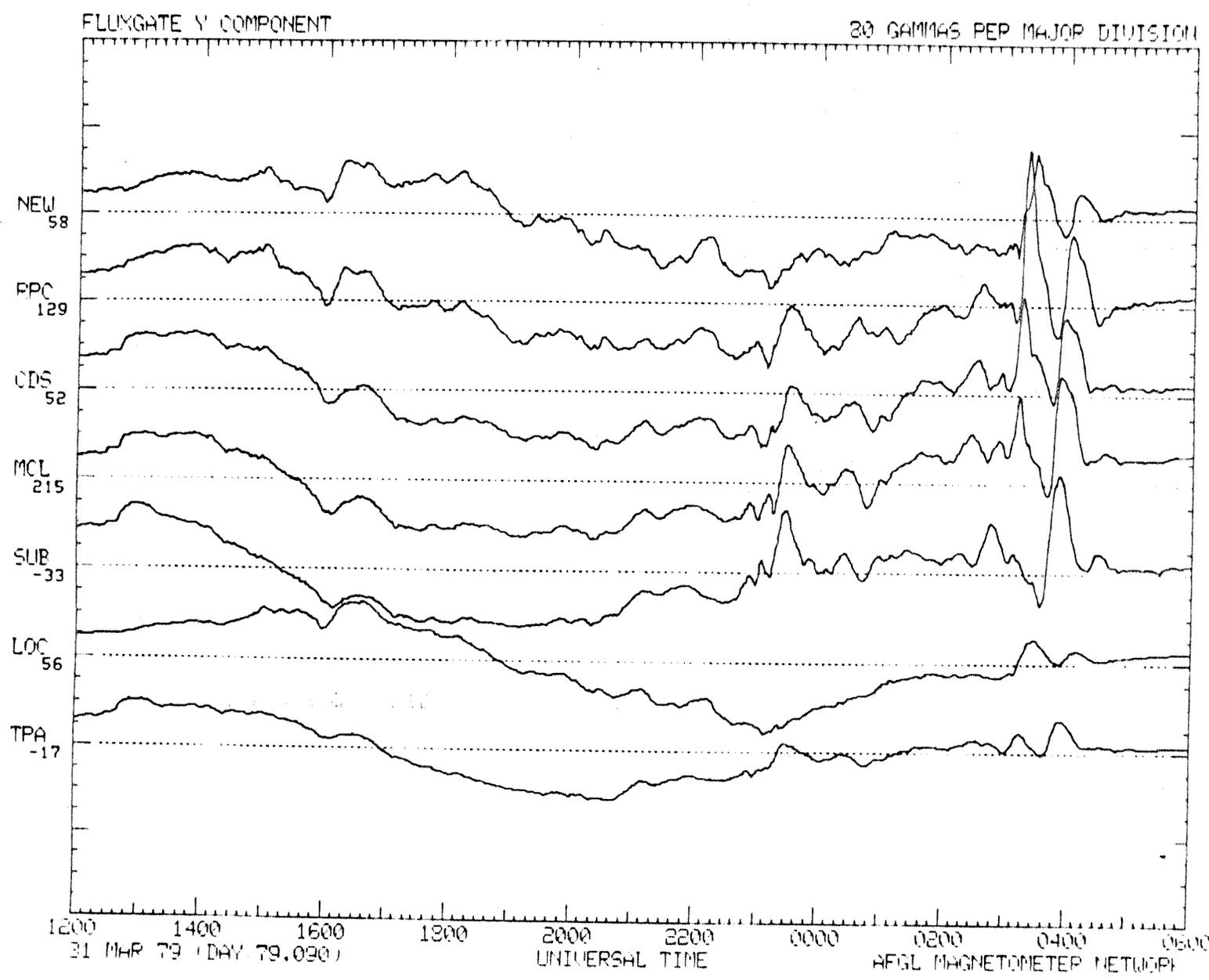
STATION LIST

NO	LOCATION	3 Letter Code	State
1	Newport	NEW	WA
2	Rapid City	RPC	SD
3	Camp Douglas	CDS	WI
4	Mt Clemens	MCL	MI
5	Sudbury	SUB	MA
6	Tampa	TPA	FL
7	Lompoc	LOC	CA

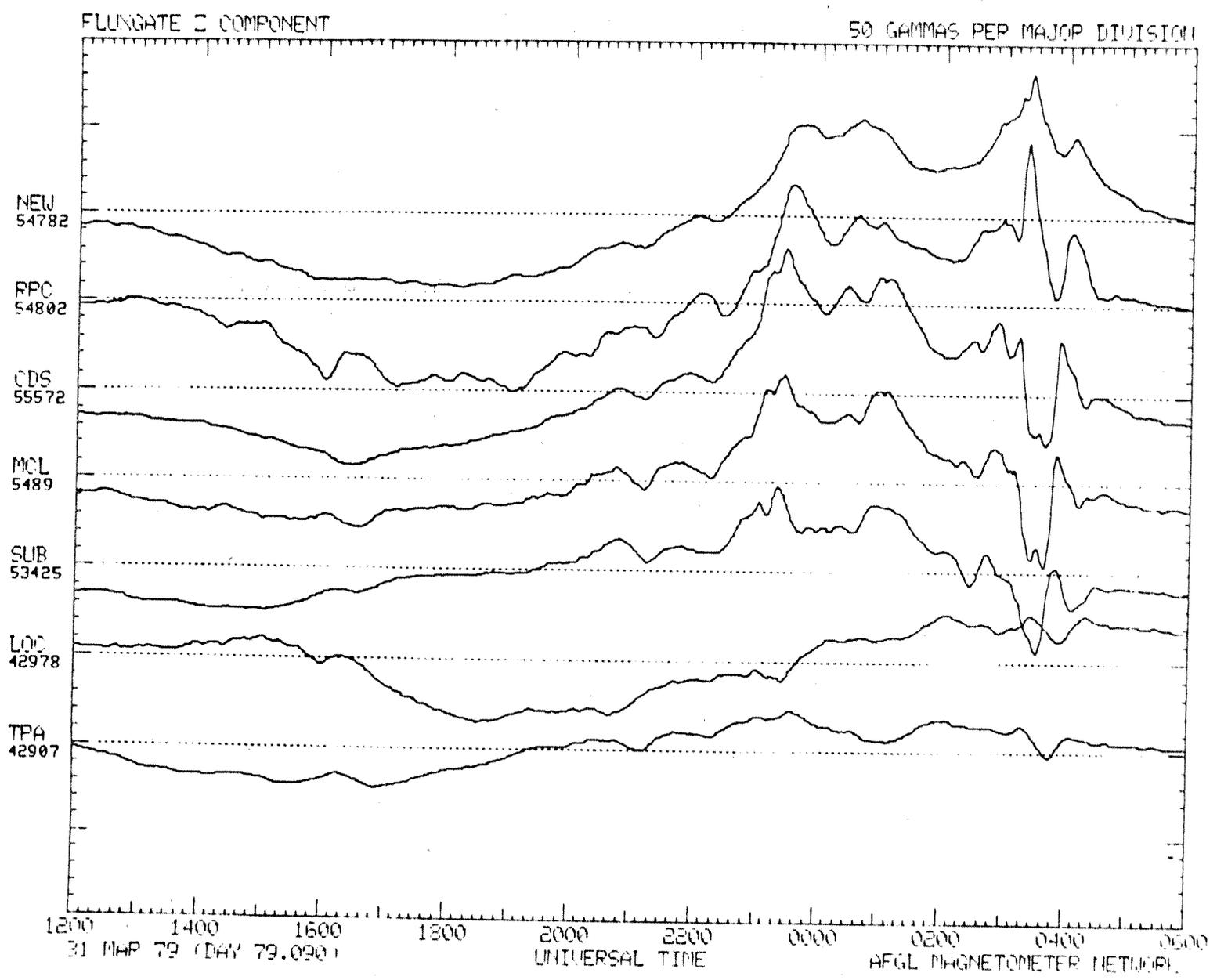
CG-29A
6/22/81



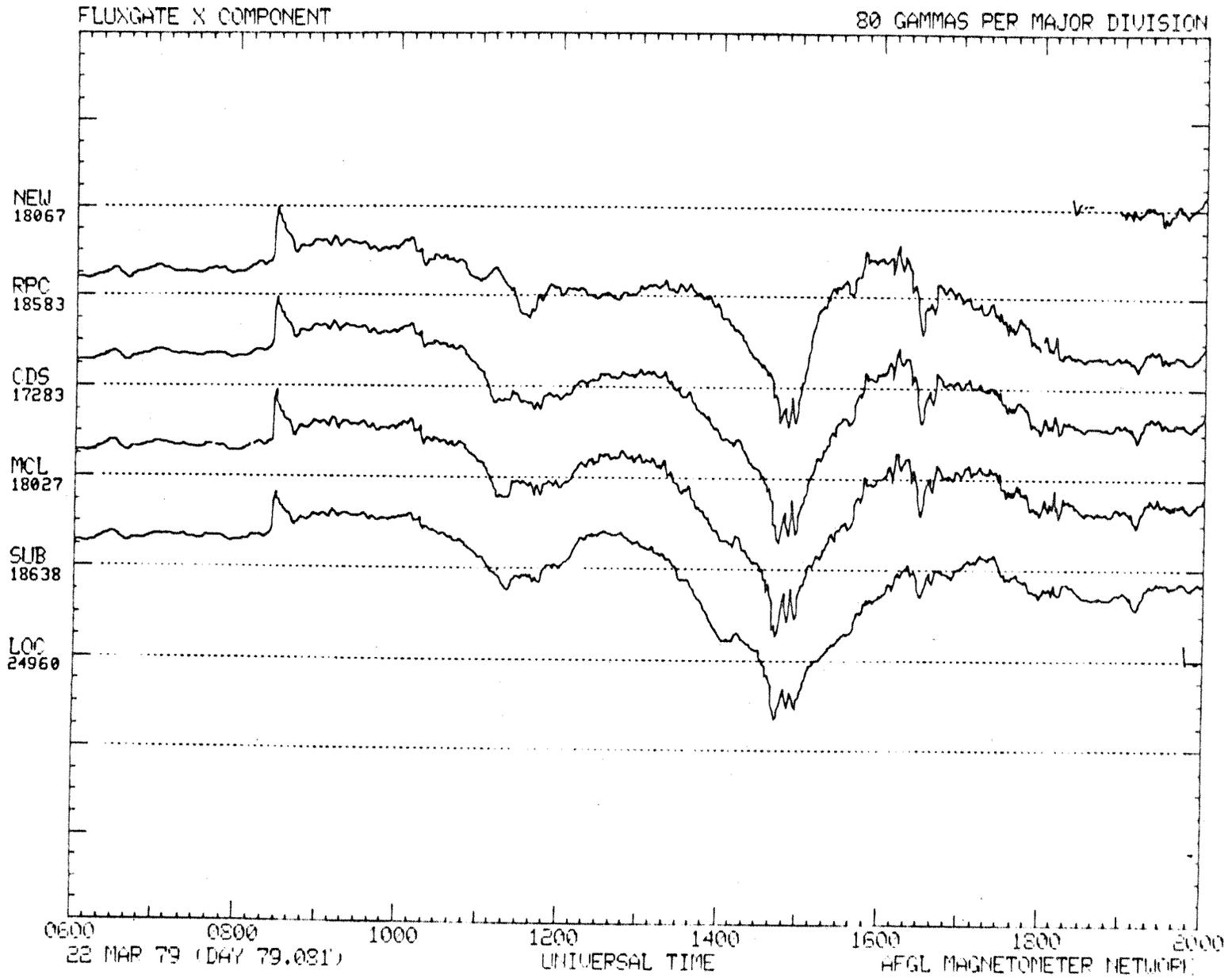
66-29A
6/22/81



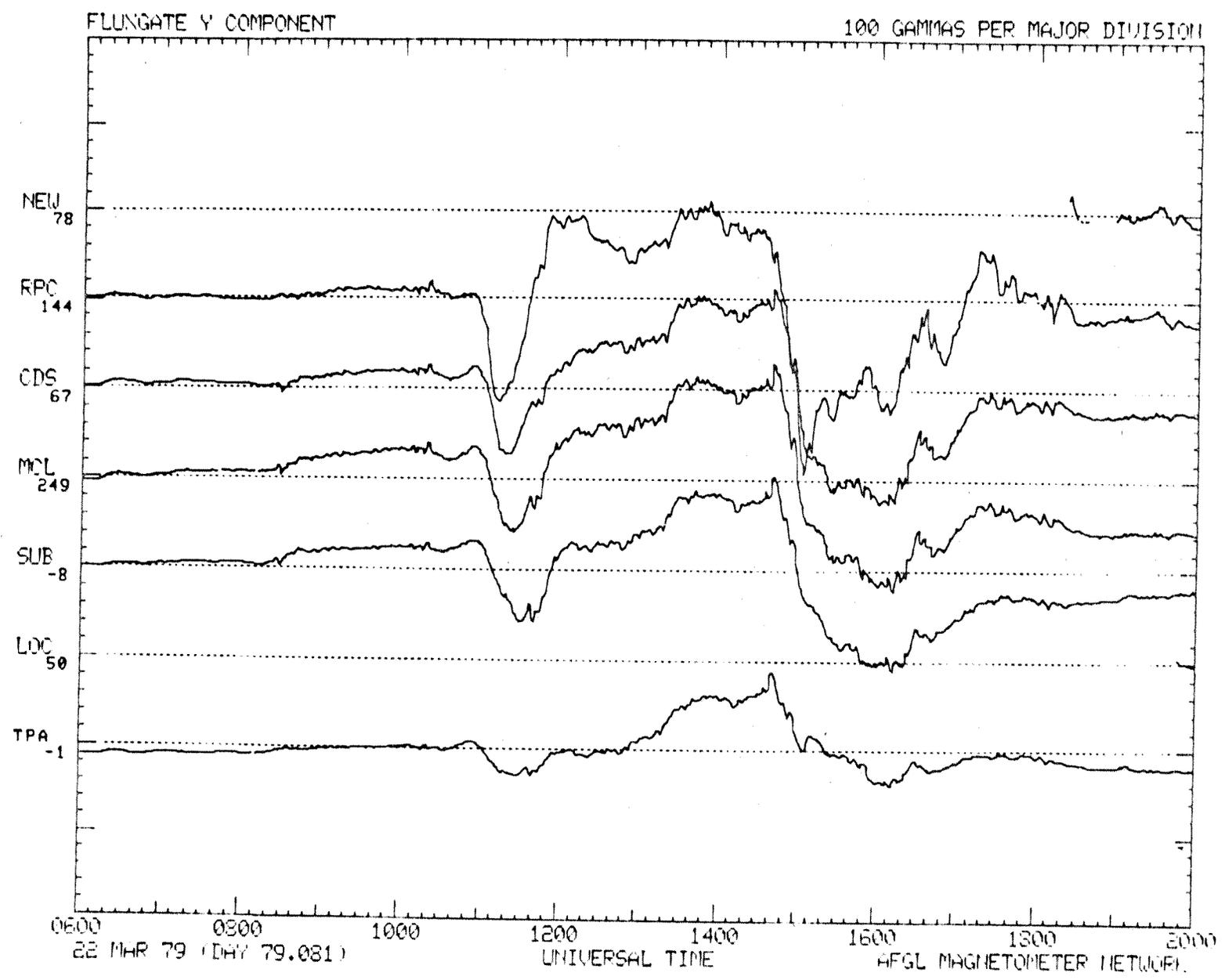
GS-29A
6/22/81



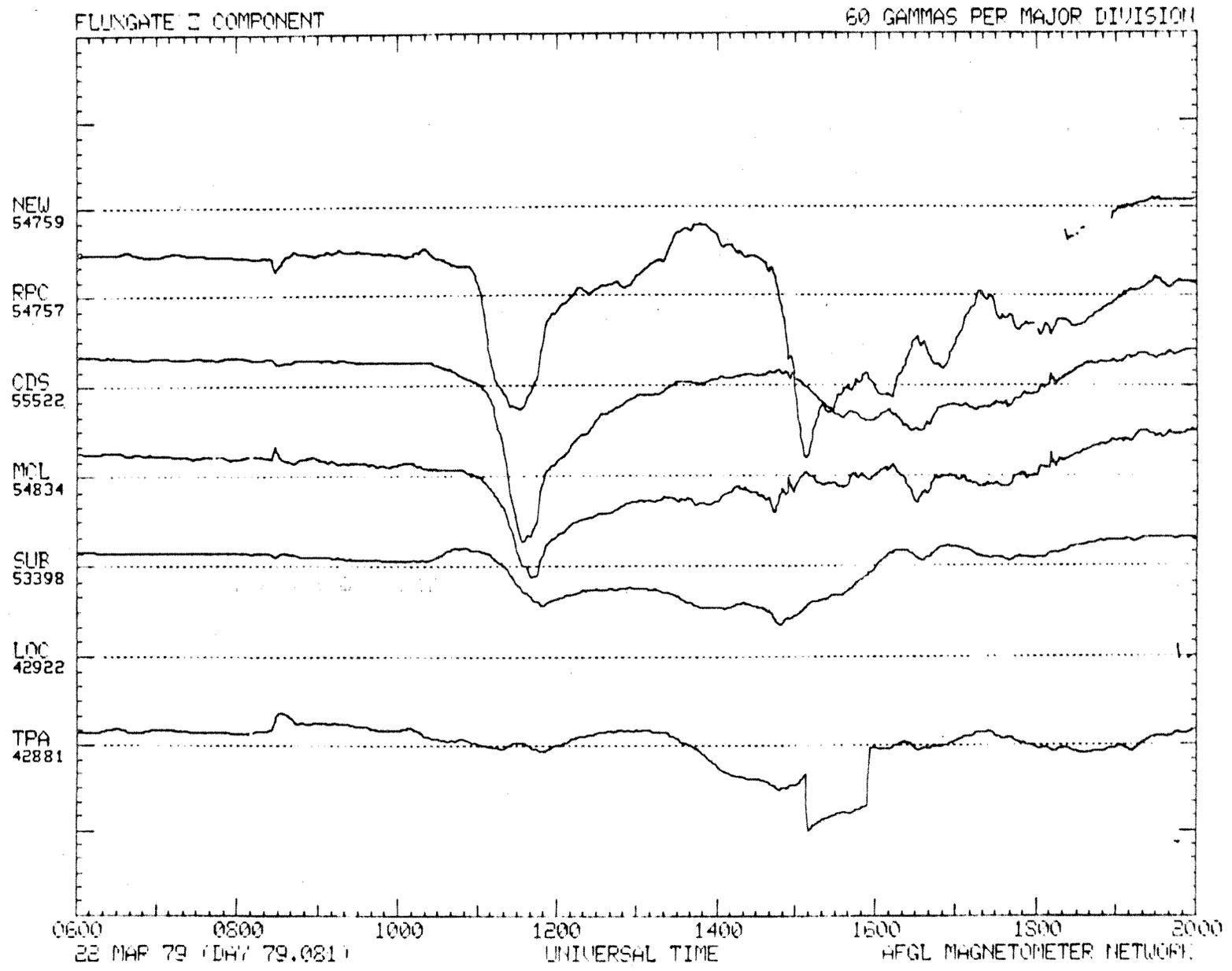
65-29A
6/22/81



66-29A
6/22/81



66-29A
6/22/8



\$NOP
\$NOP
\$NOP ***** X-404 *****
\$EXE TPLIST BS

D-45295
3/22/79 - 3/31/79
05:57 - 19:33

INPUT PARAMETERS ARE: AS FL=1 1

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 600
908105570011699711 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00
99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00
99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00
99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00
99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00
99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00

TAPE NO. 1 FILE NO. 1
RECORD 27419 LENGTH 600
908105570013077352 -80.19 -80.13 -80.06 -80.00 -80.00 -80.00 -80.06 -80.13 -80.06
-80.13 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00
-80.63 -80.63 -80.69 -80.75 -80.75 -80.81 -80.81 -80.81 -80.94 -81.00 -80.94
-80.94 -80.94 -81.00 -81.00 -80.94 -80.94 -80.94 -80.94 -81.00 99999.00 99999.00
99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 99999.00 -81.31 -81.25 -81.19
-81.19 -81.06 -81.00 -81.06 -81.06 -81.06 -81.12

***** JOB DONE.
\$WEO LPS

INPUT PARAMETERS ARE: AS FL=1=1

V-45246

3/31/1979 - 4/1/1979

19:33 - 06:04

TAPE NO. 1
RECORD 33 1

FILE NO. 1
LENGTH 600

90019330013077353	53427.31	53427.44	53427.63	53427.69	53427.75	53427.81	53427.75	53427.81	53427.75	53427.81	53427.75
53427.50	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00
53427.25	53427.25	53427.25	53427.31	53427.38	53427.44	53427.50	53427.44	53427.44	53427.50	53427.44	53427.44
53427.38	53427.31	53427.38	53427.38	53427.38	53427.38	53427.31	53427.25	53427.38	99999.00	99999.00	99999.00
99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	53427.44	53427.50	53427.44
53427.50	53427.56	53427.56	53427.56	53427.63	53427.56	53427.56	53427.56	53427.56			

TAPE NO. 1
RECORD 34 13258

FILE NO. 1
LENGTH 600

900106040013140473	42995.69	42995.69	42995.75	42995.69	42995.69	42995.69	42995.69	42995.63	42995.63	42995.69	42995.69
42995.63	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00	99999.00
42995.69	42995.69	42995.75	42995.69	42995.69	42995.75	42995.75	42995.69	42995.75	42995.75	42995.75	42995.69
42995.69	42995.69	42995.63	42995.63	42995.63	42995.63	42995.63	42995.56	42995.63	42995.63	42995.63	42995.63
42995.63	42995.63	42995.63	42995.63	42995.63	42995.63	42995.63	42995.56	42995.56	42995.50	42995.56	42995.63
42995.69	42995.69	42995.63	42995.63	42995.63	42995.63	42995.63	42995.63	42995.63			

***** JOB DONE.

\$WEIIO LPS

\$WEO LPS

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-2AA

1 MINUTE RESOLUTION VECTORS

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, ASCII with 21 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-48686	C-22441	3/22/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: GG-2AA

DATE DATA RECEIVED: 7/13/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>1 magnetic tape</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: 1-MIN. RESOLUTION VECTORS

CONTACT: _____ ACQUISITION SCIENTIST: EJT

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 48686 C-22441

REMARKS:

CDAN

1600 ASCII odd char 21 files #P1000
3/22/79

DATA RECEIPT NOTIFICATION SENT?

THORAN
DATA TECHNICIAN

X-1092

DATE 7/12/82
NSSDC ID _____

CDAW DATA SET ENTRY

DATE RECEIVED: 7/8/82 CDB: 06

DATA SENT BY: Mc Pherron

MATERIAL RECEIVED: 1 mag. tape
2 pg. documentation
dump of first 3 files

SATELLITE/NSDF NAME: Auroral Zone Chain (Russia, 7 sta) NSDF
name
DATA SET NAME: ZAU 1-minute Resolution vectors
~~1-minute Resolution vectors~~

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: PI - Mishin

SIBIEMIR
USSR

TIME COVERAGE: Mar 22, 1979

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague

CDAW-6 DATA TAPE

SSC 630

This tape contains 21 files of Mishin Auroral Zone Chain data (Russian). Each file contains one minute resolution data for one component for the March 22 1979 event. The data was digitized relative to a baseline of zero as no real for the baselins was made available to us. No quiet day has been subtracted. Data gaps commonly appear in the data near 0000, 1200, and 2400 hours. These gaps are due to the instrument going down to change recording paper.

The data in each file is as follows:

01.	March 22 1979	1200-2400; station Golomjanny	; H component	*
02.	March 22 1979	1200-2400; station Golomjanny	; D component	*
03.	March 22 1979	1200-2400; station Golomjanny	; Z component	*
04.	March 22 1979	0000-2400; station Isanchenko Is.	; H component	
05.	March 22 1979	0000-2400; station Isanchenko Is.	; D component	
06.	March 22 1979	0000-2400; station Isanchenko Is.	; z component	
07.	March 22 1979	0000-2400; station Sterlegova	; H component	**
08.	March 22 1979	0000-2400; station Sterlegova	; D component	**
09.	March 22 1979	0000-2400; station Sterlegova	; Z component	**
10.	March 22 1979	0000-2400; station Ust - Tareja	; H component	
11.	March 22 1979	0000-2400; station Ust - Tareja	; D component	
12.	March 22 1979	0000-2400; station Ust - Tareja	; Z component	
13.	March 22 1979	0000-2400; station Kresty	; H component	
14.	March 22 1979	0000-2400; station Kresty	; D component	
15.	March 22 1979	0000-2400; station Kresty	; Z component	
16.	March 22 1979	0000-2400; station Igarka	; H component	**
17.	March 22 1979	0000-2400; station Igarka	; D component	**
18.	March 22 1979	0000-2400; station Igarka	; Z component	**
19.	March 22 1979	0000-2400; station Turukhansk	; H component	
20.	March 22 1979	0000-2400; station Turukhansk	; D component	
21.	March 22 1979	0000-2400; station Turukhansk	; Z component	

* - data starts at noon, no earlier data available.

** - long data gap near the end of the day, data is flagged

Tape characteristics:

9 track
1600 bpi
ASCII character data format
80 byte logical record length
80 byte physical block size

Data record format

F13.6 - time: the minute of day for day March 22 1979
G13.4 - data: the value relative to baseline in units of
nanoteslas

54X

This data tape was produced on a HP 1000 mini computer running under RTE-6 by Chris Garrity for Dr. R.L. McPherron. Any questions should be directed to Chris Garrity at (213) 825-6340.

INPUT PARAMETERS ARE: AS SR=1=5

D-48686
3/22/79

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 80
720.000000 -27.40

TAPE NO. 1 FILE NO. 1
RECORD 2 LENGTH 80
721.000000 -34.47

TAPE NO. 1 FILE NO. 1
RECORD 3 LENGTH 80
722.000000 -60.49

TAPE NO. 1 FILE NO. 1
RECORD 4 LENGTH 80
723.000000 -34.67

TAPE NO. 1 FILE NO. 1
RECORD 5 LENGTH 80
724.000000 -97.24

***** JOB DONE.

\$AVF IN 20
\$EXE IPLIST BS

INPUT PARAMETERS ARE: AS SR=1=5

TAPE NO. 1 FILE NO. 1
RECORD 1 LENGTH 80
0.000000 1.0E+32

TAPE NO. 1 FILE NO. 1
RECORD 2 LENGTH 80
1.000000 1.0E+32

TAPE NO. 1 FILE NO. 1
RECORD 3 LENGTH 80
2.000000 236.1

TAPE NO. 1 FILE NO. 1
RECORD 4 LENGTH 80
3.000000 238.7

TAPE NO. 1 FILE NO. 1
RECORD 5 LENGTH 80
4.000000 239.5

***** JOB DONE.

\$WEO LPS

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-2BA

1-M DELTA X,Y,Z 3/22/79 14 STATIONS

This data set consists of 1 tape(s). The tape(s) is 9 track, 800 bpi, BIN with 2 file(s) of data. The time span and D and C numbers are as follows:

The tape was created on an IBM 360 computer.

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-52929	C-22646	3/22/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 6628A

DATE DATA RECEIVED: 11-5-76

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <u>1 mag tape</u>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: 1-M Delta X, Y, Z, 3/23/79 14 STA.

DATA SET FULL NAME: Low Altitude Magnetometer Stations

CONTACT: _____ ACQUISITION SCIENTIST: JML

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: 1A

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: 4052129 C-22646

REMARKS:
CDAW

DATA RECEIPT NOTIFICATION SENT?

Moran
DATA TECHNICIAN

ZAR

X-1210

DATE 10/4/82

NSSDC ID _____

CDAW DATA SET ENTRY

DATE RECEIVED: 9/30/82

CDB: 6A

DATA SENT BY: Dr. V. M. Mishin

MATERIAL RECEIVED: 1 magnetic tape 800 BIN ODD atrk 21 file
format, listings, 360
plots, letter 3/22/79

SATELLITE/NSDF NAME: _____

DATA SET NAME: Soviet Arctic Magnetometer Stations

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: _____

TIME COVERAGE: Mar 22 6-20 hr, 1979

TAPES TO BE RETURNED TO: _____

COMPLETED BY: _____

ACADEMY OF SCIENCES OF THE USSR
SOVIET GEOPHYSICAL COMMITTEE
WORLD DATA CENTER B2
Molodezhnaya 3 Moscow 117296 U.S.S.R.

Ref. No. 184

Date September 10, 1982

Dr. James I. Vette
Director

WDC A for Rockets & Satellites
NASA Goddard Space Flight Center
Code 601
Greenbelt, MD 20771 U.S.A.

Dear Doctor Vette:

In compliance with the request from Dr. V.M.Mishin (SibIZMIRAN,
Irkutsk)

We are sending you herewith the following:

- a) a reel of magnetic tape containing data from 14 Soviet Arctic stations for March 22, 1979 (06.00 - 20.00 UT)
- b) Magnetic tape format declaration (three pages)
- c) Appendix 1, 2, 3 - computer listings
Appendix 4 - plots of δX , δY , δZ variations
- d) Dr. V.M.Mishin's personal letter.

Please confirm the safe receipt of the shipment.

Enclosure(s) As mentioned above.

Signed *E.P. Kharin*

for E.P.Kharin
Acting Director

To: Dr J.I.Vette
Code 601
NASA Goddard Space Flight Center
Greenbelt, Maryland 20771, USA

SibIZMIR
Irkutsk 33
P.O.Box 4
U.S.S.R.

September 1982

Dear Dr Vette,

We send you a copy of magnetic tape with data from 14 Soviet Arctic stations for 6-20 hr UT on 22 March 1979. ML contains values of $\delta X, \delta Y, \delta Z$ with a discrete step $\Delta t = 1 - 2$ minutes, counted off from the level of 6-8 hr UT on 22 March 1979.

Earlier (our letter of 9 June 1982) we sent tables of $\delta X, \delta Y, \delta Z$ for 7 stations on the Norilsk meridian. The magnetic tape is accompanied by a detailed instruction.

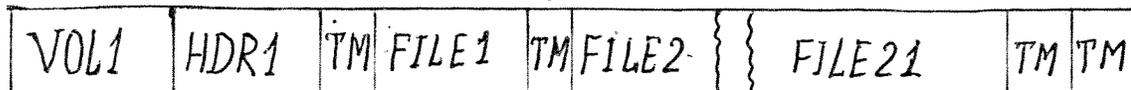
Sincerely yours,

V.Mishin V.M.Mishin

Copy to: Dr R.L.McPherron
Inst. of Geophys. and Planet. Phys.
Univ. of Calif., Los Angeles
CA 90024, USA

1. MAGNETIC TAPE FORMAT DECLARATION

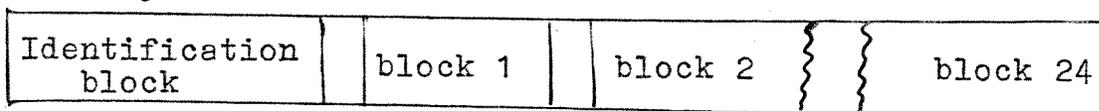
The tape provides 9 tracks, 800 bit/inch, with numbers, represented in intra-machine code. The tape consists of 21 files, the file layout being thus:



where *VOL1* , *HDR1* are the standard header labels of 80 bytes each.

The file is separated from the other by a type-marker (tm), while the last file ends with two type-markers (tm, tm).

Each file is composed of an identification block (12 bytes) and blocks (1024 bytes each) with data



The identification block has the form

bytes	kind of material
0-3	identifier (number) of file:1,2,3,...
4-11	number of bytes in a file

APPENDIX I provides a copy of physical record of *tape* for the first file

2. FILE LAYOUT

Each file has a read-in standard integer array X Y Z 6010 numbers long, each number occupying 4 bytes. X Y Z array layout

Arra element number	KIND OF MATERIAL
1	Number of station
2	Date (220379 means 22 March 1979)
3	First hour of survey
4	Last hour of survey minus 4

5	Time interval of data representation in minutes, increased 10 times
6	Number of points in one hour
7	Total number of points (N) in one component of geomagnetic field
8,9,10	Ancillary information
11:(N+10)	δX -component of geomagnetic field
(N+11):2010	No-data criterion (9999)
2011:(N+2010)	δY -component of geomagnetic field
(N+2011):4010	No-data criterion (9999)
4011:(N+4010)	δZ -component of geomagnetic field
(N+4011):6010	No-data criterion (9999)

APPENDIX 2 presents a consecutive list output of the X Y Z array for the first file (words with numbers 1-6010)

APPENDIX 3 presents a print of these data with editing

3. Sequence of obtaining geomagnetic data

For each station, the values δX , δY , δZ were computed in a geomagnetic dipole coordinate system:

$$\delta X = \delta H \cdot \cos(D_0 - \psi) - H_0 \cdot \delta D \cdot \sin(D_0 - \psi) \cdot \sin 1'$$

$$\delta Y = \delta H \cdot \sin(D_0 - \psi) + H_0 \cdot \delta D \cdot \cos(D_0 - \psi) \cdot \sin 1'$$

$$\delta Z = Z - Z_q,$$

where D_0 and H_0 are the values of declination and horizontal component at a given station, $\delta H = H - H_q$, $\delta D = D - D_q$.

H_q , D_q , Z_q is a quiet level as a mean level for 6-8 hr UT.

Data on magnetic tape are arranged as follows

No. of station	Name	Geomagnetic coordinates (degrees)		Recording interval (hr)	Number of file	Recording step on tape
		φ	Λ_E			
52	Golomyanny	68.4	170.5	12-20	1	1 ^m
65	Isachenko	65.8	168.6	6-12	2	1
65	Isachenko			12-20	3	1
54	Sterlegova	64.1	167.4	6-12	4	1

54	Sterlegova	64.1	167.4	12-20	5	1 ^m
66	Ust-Tareya	62.0	167.5	6-12	6	1
66	Ust-Tareya			12-20	7	1
56	Kresty	59.6	166.4	6-12	8	1
56	Kresty			12-20	9	1
2	Norilsk	58.1	164.8	6-20	10	1
53	Igarka	56.4	164.4	6-12	11	1
53	Igarka			12-20	12	1
55	Turukhansk	54.6	164.1	6-12	13	1
55	Turukhansk			12-20	14	1
8	Stolbovoy	62.8	194.7	6-12	15	1
8	Stolbovoy			12-20	16	1
4	Tixie	60.5	191.9	6-20	17	1.5 ^m
48	Zhigansk	55.2	188.4	6-20	18	2 ^m
7	Yakutsk	51.1	194.4	6-20	19	2
5	Dixon	63.0	162.0	6-20	20	1.5 ^m
50	Chelyuskin	66.3	176.8	6-20	21	1.5

APPENDIX 4 shows plots of δX , δY , δZ variations.

Note. Gaps in the geomagnetic field record are marked in red on the plots. Losses were observed at the stations: Sterlegova (file 5) from 19^h21^m to 19^h59^m, Ust-Tareya (file 6) from 11^h50^m to 11^h59^m, Igarka (file 11) from 9^h00^m to 10^h59^m. These intervals are not marked on tape and the relevant information should be excluded.

D-52929
3-22-79

INPUT TAPE X-393 ON MT4
DATA INPUT H9 NF 21 SR 1 1 2 SR 2 1 2 SR 21 1 2

FILE	1	RECORD	1	LENGTH	80BYTES
(0)	E5D6D3F1	F0F0F0F0	F0F0F040	40404040	40404040 40404040 40404040 40404040 40404040 40404040
(40)	40F0F0F0	F0F0F0F0	F0F0F040	40404040	40404040 40404040 40404040 40404040 40404040 40404040

FILE	1	RECORD	2	LENGTH	80BYTES
(0)	C8C4D9F1	40404040	40404040	40404040	40404040 40F0F0F0 F0F0F0F0 F0F0F1F0 F0F0F1F0 F0F0F1F0
(40)	F140F8F2	F2F0F140	F0F0F0F0	F0F04040	40404040 40404040 40404040 40404040 40404040 40404040

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY	INPUT RETRIES
	1	2	80	PERM ZERO B SHORT UNDEF.	#RECS. TOTAL#
*****				0 0 0 0	0 0
EOF ON COMPLETION OF DUMP FOR REQUEST SR=1=1=2					

FILE	2	RECORD	1	LENGTH	18BYTES
(0)	00000001	00005DE8	40404040	00000000	0000

220379

FILE	2	RECORD	2	LENGTH	1024BYTES
(0)	00000034	00035CDB	0000000C	00000013	0000000A 0000003C 000001E1 0000018F FFFF379C 00000000
(40)	FFFFFF94	FFFFFF8B	FFFFFF5B	FFFFFF36	FFFFFF34 FFFFFFF36 FFFFFFF31 FFFFFFF43 FFFFFFF62 FFFFFFF72
(80)	FFFFFF82	FFFFFF8E	FFFFFFA1	FFFFFFB4	FFFFFFB8 FFFFFFFB8 FFFFFFFC9 FFFFFFFD2 FFFFFFFDF FFFFFFFE4
(120)	FFFFFFF3	FFFFFFF6	FFFFFFF5	FFFFFFF9	00000002 FFFFFFFFC 00000002 00000006 00000006 00000006
(160)	00000008	00000011	00000010	00000030	0000003B 0000003E 0000002B 00000037 0000002F 0000002F
(200)	0000002F	00000036	0000003B	00000038	00000033 0000003B 00000038 00000038 0000003B 00000043
(240)	0000003F	0000003B	00000032	0000002A	0000002B 00000035 0000003B 0000003B 00000038 00000037
(280)	0000003C	0000003F	0000003C	0000003C	00000039 00000039 00000033 00000038 0000003B 00000039
(320)	00000039	00000038	0000003F	0000003C	0000003C 0000003C 0000003B 00000041 00000042 00000041
(360)	00000040	00000041	00000043	00000043	0000003E 00000043 00000048 00000051 00000057 0000005B
(400)	00000061	00000061	00000061	0000005E	00000060 00000065 00000068 00000068 0000006B 0000006C
(440)	0000006E	00000071	00000072	00000077	0000007A 00000070 00000079 00000076 00000074 00000074
(480)	00000075	00000070	00000073	00000070	00000073 00000076 00000076 00000079 00000079 0000007C
(520)	0000007C	00000079	00000079	00000073	0000006F 0000006F 00000074 0000006F 0000006C 00000069
(560)	00000060	0000005E	0000005B	0000004F	00000050 00000059 00000065 00000068 00000064 00000061
(600)	0000005C	0000005E	0000005E	00000061	00000067 00000067 0000006A 00000069 00000069 00000067
(640)	0000006B	00000068	0000006E	00000071	00000074 00000078 0000007E 0000007A 00000072 0000007E
(680)	0000008D	0000009B	0000009E	00000093	0000008A 0000008B 00000080 0000007F 0000006E 00000075
(720)	00000082	00000087	00000083	00000087	0000008C 00000097 0000009F 0000009D 00000095 00000085
(760)	00000088	0000008F	0000008C	00000084	00000078 00000061 0000004D 00000037 00000028 0000000E
(800)	FFFFFFFA	FFFFFFF3	00000014	00000003	00000003 00000001 FFFFFFFF8 FFFFFFFF5 FFFFFFFFD 00000004
(840)	00000010	00000008	FFFFFFF4	FFFFFFF1	FFFFFFF3 FFFFFFFF 00000008 00000013 00000036 00000049
(880)	0000003D	00000055	0000006F	0000006C	00000069 00000063 00000065 00000076 0000007E 00000072
(920)	0000005F	00000056	00000057	00000060	00000065 00000060 0000005E 0000005F 00000060 00000067
(960)	0000006E	00000068	00000065	00000069	00000068 00000062 00000064 00000063 00000061 0000005D
(1000)	00000058	00000057	00000051	0000004A	00000048 00000048

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY	INPUT RETRIES
	2	25	1024	PERM ZERO B SHORT UNDEF.	#RECS. TOTAL#
				0 0 0 0	0 0

FILE	21	RECORD	1	LENGTH	18BYTES
(0)	00000014	00005DE8	40404040	00000000	0000

FILE	21	RECORD	2	LENGTH	1024BYTES
(0)	00000005	00035CDB	00000006	00000013	0000000F 00000028 00000231 000000C6 FFFFCF2C 00000000
(40)	00000002	FFFFFFFE	FFFFFFFE	FFFFFFFE	FFFFFFFE 00000003 00000000 00000000 FFFFFFFE FFFFFFFE
(80)	FFFFFFFE	FFFFFFFB	FFFFFFFB	FFFFFFFB	FFFFFFFB FFFFFFFE 00000003 00000003 00000007 00000002
(120)	FFFFFFFD	00000002	00000002	00000003	00000000 00000004 00000004 00000000 00000000 00000000
(160)	00000000	00000000	00000004	00000004	00000008 00000008 00000008 00000000 00000011 00000011
(200)	00000015	00000011	0000000D	0000000D	0000000D 00000009 0000000D 0000000D 0000000D 0000000D

```

( 320) 0000000E 0000000E 0000000E 0000000E 00000013 00000013 00000013 00000013 00000013 00000013
( 360) 00000013 00000013 00000013 0000000A 0000000E 0000000E 0000000E 0000000E 0000000E 0000000E
( 400) 00000013 00000013 00000013 0000001C 0000001C 00000020 0000001D 00000014 0000000B 0000000F
( 440) 0000004A 0000005A 00000063 00000065 0000005A 00000049 00000039 0000003F 00000049 00000036
( 480) 00000039 00000027 0000001D 00000028 00000030 0000002A 0000002D 00000025 00000022 00000021
( 520) 00000035 00000033 0000003B 0000003A 0000002E 0000002E 00000035 00000035 0000002E 00000033
( 560) 0000003A 00000039 00000035 0000003A 0000003A 0000003A 0000003A 0000003E 00000043 00000043
( 600) 0000003E 00000035 00000039 0000003E 0000003F 0000003F 00000043 00000047 00000047 0000003E
( 640) 00000035 00000039 0000002D 0000002A 00000025 0000002D 00000035 00000032 00000032 00000032
( 680) 00000032 0000002F 00000026 00000036 0000003E 0000003F 0000003F 0000003A 0000003F 0000004F
( 720) 0000004A 0000002A 00000035 00000042 00000042 0000001D 00000019 00000039 00000043 00000064
( 760) 00000085 000000A7 000000CC 000000E3 000000ED 000000FE 0000011C 00000148 00000161 0000017F
( 800) 000001AD 000001C3 000001DA 000001E1 000001DA 000001CD 0000019E 00000189 00000177 0000016E
( 840) 00000165 00000159 00000151 00000138 0000012B 00000125 00000108 000000E1 000000CC 000000B0
( 880) 0000008F 0000006D 00000037 00000026 00000016 00000023 00000030 00000035 00000037 00000034
( 920) 0000003D 0000003E 0000002D 00000020 0000001B 00000017 00000005 FFFFFFFA FFFFFFFE4 FFFFFFFC9
( 960) FFFFFFFC8 FFFFFFFCF FFFFFFFD8 FFFFFFFD9 FFFFFFFDE FFFFFFFD9 FFFFFFFE3 FFFFFFFE 0000001A 0000001C
( 1000) 00000010 0000001E 0000003C 00000035 00000023 00000029

```

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
21	25	25	1024	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 21 # OF PERMANENT READ ERRORS 0

START TIME 10/06/82 16:29:12 STOP TIME 10/06/82 16:30:34

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GG-32H

AE, AU, AO, AL INDICES (5 STATIONS)

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, ASCII with 1 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47110	C-21979	3/22/79, 3/31/79, 4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: 66-32H

DATE DATA RECEIVED: 12/22/81

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	<u>1 mag tape</u>

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: AE, AV, A O, AL indices (5 stations)

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: DD 47110 C-21979

REMARKS:	<u>1600 ascii 9trk 1 file</u> <u>3/22/79, 3/31/79, 4/1/79</u> <u>CDAW</u>
----------	---

DATA RECEIPT NOTIFICATION SENT?

J. Moran

DATA TECHNICIAN

Date Dec 17 1981

NSSDC ID GG-32H

CDAW DATA SET ENTRY

Date Rcvd : Dec 15 EDB : 06

Data Sent By : Bob McPherson

Material Rcvd : 1 tape, elementary documentation, partial listing

Satellite/NSRF Name : GG-32H

Data Set Name : Amu AE, AU, AO, AL Indius (5 str)

New Data Set Additions Replacements

Comments _____

Time Coverage : Mar 22 0^h-24^h Mar 31 12^h - Apr 1 12.00.

Tapes To be Returned to : _____

Completed By : M. Teague

(0)	4040F7F9	4040F9F1	4040F1F1	4040F040	40F04BF0	40404040	404040F4	F6F64B40	40404060	F1F74B40
(40)	404040F2	F1F64B40	404060F2	F5F04B40	40404040	40404040	40404040	40404040	40404040	40404040
(80)	4040F7F9	4040F9F1	4040F1F1	4040F140	40F04BF0	40404040	404040F4	F6F64B40	40404060	F1F74B40
(120)	404040F2	F1F64B40	404060F2	F5F04B40	40404040	40404040	40404040	40404040	40404040	40404040
(160)	4040F7F9	4040F9F1	4040F1F1	4040F240	40F04BF0	40404040	404040F4	F7F14B40	40404060	F3F34B40
(200)	404040F2	F0F24B40	404060F2	F6F94B40	40404040	40404040	40404040	40404040	40404040	40404040
(240)	4040F7F9	4040F9F1	4040F1F1	4040F340	40F04BF0	40404040	404040F4	F7F44B40	40404060	F4F84B40
(280)	404040F1	F8F94B40	404060F2	F8F54B40	40404040	40404040	40404040	40404040	40404040	40404040
(320)	4040F7F9	4040F9F1	4040F1F1	4040F440	40F04BF0	40404040	404040F4	F8F54B40	40404060	F5F34B40
(360)	404040F1	F8F94B40	404060F2	F9F64B40	40404040	40404040	40404040	40404040	40404040	40404040
(400)	4040F7F9	4040F9F1	4040F1F1	4040F540	40F04BF0	40404040	404040F5	F0F14B40	40404060	F6F14B40
(440)	404040F1	F8F94B40	404060F3	F1F24B40	40404040	40404040	40404040	40404040	40404040	40404040
(480)	4040F7F9	4040F9F1	4040F1F1	4040F640	40F04BF0	40404040	404040F5	F1F74B40	40404060	F6F94B40
(520)	404040F1	F8F94B40	404060F3	F2F84B40	40404040	40404040	40404040	40404040	40404040	40404040
(560)	4040F7F9	4040F9F1	4040F1F1	4040F740	40F04BF0	40404040	404040F5	F3F74B40	40404060	F7F94B40
(600)	404040F1	F8F94B40	404060F3	F4F84B40	40404040	40404040	40404040	40404040	40404040	40404040
(640)	4040F7F9	4040F9F1	4040F1F1	4040F840	40F04BF0	40404040	404040F5	F4F94B40	40404060	F8F54B40
(680)	404040F1	F8F94B40	404060F3	F6F04B40	40404040	40404040	40404040	40404040	40404040	40404040
(720)	4040F7F9	4040F9F1	4040F1F1	4040F940	40F04BF0	40404040	404040F5	F4F44B40	40404060	F9F64B40
(760)	404040F1	F7F54B40	404060F3	F6F94B40	40404040	40404040	40404040	40404040	40404040	40404040
(800)	4040F7F9	4040F9F1	4040F1F1	40F1F040	40F04BF0	40404040	404040F5	F5F34B40	404060F1	F0F14B40
(840)	404040F1	F7F54B40	404060F3	F7F84B40	40404040	40404040	40404040	40404040	40404040	40404040
(880)	4040F7F9	4040F9F1	4040F1F1	40F1F140	40F04BF0	40404040	404040F5	F4F74B40	404060F1	F1F14B40
(920)	404040F1	F6F24B40	404060F3	F8F54B40	40404040	40404040	40404040	40404040	40404040	40404040
(960)	4040F7F9	4040F9F1	4040F1F1	40F1F240	40F04BF0	40404040	404040F5	F5F14B40	404060F1	F1F34B40
(1000)	404040F1	F6F24B40	404060F3	F8F94B40	40404040	40404040	40404040	40404040	40404040	40404040
(1040)	4040F7F9	4040F9F1	4040F1F1	40F1F340	40F04BF0	40404040	404040F5	F2F94B40	404060F1	F1F64B40
(1080)	404040F1	F4F84B40	404060F3	F8F04B40	40404040	40404040	40404040	40404040	40404040	40404040
(1120)	4040F7F9	4040F9F1	4040F1F1	40F1F440	40F04BF0	40404040	404040F5	F2F94B40	404060F1	F2F94B40
(1160)	404040F1	F3F54B40	404060F3	F9F44B40	40404040	40404040	40404040	40404040	40404040	40404040
(1200)	4040F7F9	4040F9F1	4040F1F1	40F1F540	40F04BF0	40404040	404040F5	F3F64B40	404060F1	F4F64B40
(1240)	404040F1	F2F14B40	404060F4	F1F44B40	40404040	40404040	40404040	40404040	40404040	40404040
(1280)	4040F7F9	4040F9F1	4040F1F1	40F1F640	40F04BF0	40404040	404040F5	F6F14B40	404060F1	F3F64B40
(1320)	404040F1	F4F34B40	404060F4	F1F74B40	40404040	40404040	40404040	40404040	40404040	40404040
(1360)	4040F7F9	4040F9F1	4040F1F1	40F1F740	40F04BF0	40404040	404040F5	F5F84B40	404060F1	F0F84B40
(1400)	404040F1	F7F04B40	404060F3	F8F74B40	40404040	40404040	40404040	40404040	40404040	40404040
(1440)	4040F7F9	4040F9F1	4040F1F1	40F1F840	40F04BF0	40404040	404040F5	F0F44B40	40404060	F6F94B40
(1480)	404040F1	F8F24B40	404060F3	F2F14B40	40404040	40404040	40404040	40404040	40404040	40404040
(1520)	4040F7F9	4040F9F1	4040F1F1	40F1F940	40F04BF0	40404040	404040F5	F0F24B40	40404060	F6F34B40
(1560)	404040F1	F8F74B40	404060F3	F1F44B40	40404040	40404040	40404040	40404040	40404040	40404040
(1600)	4040F7F9	4040F9F1	4040F1F1	40F2F040	40F04BF0	40404040	404040F5	F0F04B40	40404060	F5F54B40
(1640)	404040F1	F9F54B40	404060F3	F0F54B40	40404040	40404040	40404040	40404040	40404040	40404040
(1680)	4040F7F9	4040F9F1	4040F1F1	40F2F140	40F04BF0	40404040	404040F4	F9F84B40	40404060	F4F64B40
(1720)	404040F2	F0F24B40	404060F2	F9F64B40	40404040	40404040	40404040	40404040	40404040	40404040
(1760)	4040F7F9	4040F9F1	4040F1F1	40F2F240	40F04BF0	40404040	404040F4	F7F74B40	40404060	F4F84B40
(1800)	404040F1	F9F04B40	404060F2	F8F74B40	40404040	40404040	40404040	40404040	40404040	40404040
(1840)	4040F7F9	4040F9F1	4040F1F1	40F2F340	40F04BF0	40404040	404040F4	F6F84B40	40404060	F4F14B40
(1880)	404040F1	F9F24B40	404060F2	F7F54B40	40404040	40404040	40404040	40404040	40404040	40404040
(1920)	4040F7F9	4040F9F1	4040F1F1	40F2F440	40F04BF0	40404040	404040F4	F7F14B40	40404060	F2F84B40
(1960)	404040F2	F0F74B40	404060F2	F6F44B40	40404040	40404040	40404040	40404040	40404040	40404040
(2000)	4040F7F9	4040F9F1	4040F1F1	40F2F540	40F04BF0	40404040	404040F4	F5F54B40	40404060	F2F54B40
(2040)	404040F2	F0F24B40	404060F2	F5F34B40	40404040	40404040	40404040	40404040	40404040	40404040
(2080)	4040F7F9	4040F9F1	4040F1F1	40F2F640	40F04BF0	40404040	404040F4	F4F04B40	40404060	F3F24B40
(2120)	404040F1	F8F74B40	404060F2	F5F34B40	40404040	40404040	40404040	40404040	40404040	40404040
(2160)	4040F7F9	4040F9F1	4040F1F1	40F2F740	40F04BF0	40404040	404040F4	F6F84B40	40404060	F2F94B40
(2200)	404040F2	F0F44B40	404060F2	F6F44B40	40404040	40404040	40404040	40404040	40404040	40404040
(2240)	4040F7F9	4040F9F1	4040F1F1	40F2F840	40F04BF0	40404040	404040F6	F3F24B40	404060F1	F2F34B40
(2280)	404040F1	F9F24B40	404060F4	F4F04B40	40404040	40404040	40404040	40404040	40404040	40404040
(2320)	4040F7F9	4040F9F1	4040F1F1	40F2F940	40F04BF0	40404040	404040F6	F7F34B40	404060F1	F4F74B40
(2360)	404040F1	F8F94B40	404060F4	F8F44B40	40404040	40404040	40404040	40404040	40404040	40404040

FILE 1 RECORD 96 LENGTH 2400BYTES

(0)	4040F7F9	4040F9F1	4040F1F1	40F3F040	40F04BF0	40404040	404040F6	F6F24B40	404060F1	F4F24B40
(40)	404040F1	F8F94B40	404060F4	F7F34B40	40404040	40404040	40404040	40404040	40404040	40404040
(80)	4040F7F9	4040F9F1	4040F1F1	40F3F140	40F04BF0	40404040	404040F6	F8F64B40	404060F1	F4F04B40

(150)	4040F7F9	4040F9F1	4040F1F1	40F3F240	40F04BF0	40404040	40404040	40404040	F9F74B40	404060F1	F4F64B40
(200)	404040F2	F0F24B40	404060F4	F9F54B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(240)	4040F7F9	4040F9F1	4040F1F1	40F3F340	40F04BF0	40404040	40404040	40404040	F2F24B40	404060F1	F4F54B40
(280)	404040F2	F1F64B40	404060F5	F0F64B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(320)	4040F7F9	4040F9F1	4040F1F1	40F3F440	40F04BF0	40404040	40404040	40404040	F4F44B40	404060F1	F5F64B40
(360)	404040F2	F1F64B40	404060F5	F2F84B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(400)	4040F7F9	4040F9F1	4040F1F1	40F3F540	40F04BF0	40404040	40404040	40404040	F6F64B40	404060F1	F6F74B40
(440)	404040F2	F1F64B40	404060F5	F5F04B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(480)	4040F7F9	4040F9F1	4040F1F1	40F3F640	40F04BF0	40404040	40404040	40404040	F2F94B40	404060F2	F1F24B40
(520)	404040F2	F0F24B40	404060F6	F2F74B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(560)	4040F7F9	4040F9F1	4040F1F1	40F3F740	40F04BF0	40404040	40404040	40404040	F2F74B40	404060F2	F2F44B40
(600)	404040F1	F8F94B40	404060F6	F3F84B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(640)	4040F7F9	4040F9F1	4040F1F1	40F3F840	40F04BF0	40404040	40404040	40404040	F1F34B40	404060F2	F3F14B40
(680)	404040F1	F7F54B40	404060F6	F3F84B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(720)	4040F7F9	4040F9F1	4040F1F1	40F3F940	40F04BF0	40404040	40404040	40404040	F1F14B40	404060F2	F4F34B40
(760)	404040F1	F6F24B40	404060F6	F4F94B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(800)	4040F7F9	4040F9F1	4040F1F1	40F4F040	40F04BF0	40404040	40404040	40404040	F6F44B40	404060F2	F3F34B40
(840)	404040F1	F4F84B40	404060F6	F1F64B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(880)	4040F7F9	4040F9F1	4040F1F1	40F4F140	40F04BF0	40404040	40404040	40404040	F0F94B40	404060F2	F0F64B40
(920)	404040F1	F4F84B40	404060F5	F6F14B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(960)	4040F7F9	4040F9F1	4040F1F1	40F4F240	40F04BF0	40404040	40404040	40404040	F0F14B40	404060F1	F8F84B40
(1000)	404040F1	F6F24B40	404060F5	F3F94B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1040)	4040F7F9	4040F9F1	4040F1F1	40F4F340	40F04BF0	40404040	40404040	40404040	F5F44B40	404060F1	F7F84B40
(1080)	404040F1	F4F84B40	404060F5	F0F64B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1120)	4040F7F9	4040F9F1	4040F1F1	40F4F440	40F04BF0	40404040	40404040	40404040	F0F24B40	404060F1	F6F54B40
(1160)	404040F1	F8F54B40	404060F5	F1F74B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1200)	4040F7F9	4040F9F1	4040F1F1	40F4F540	40F04BF0	40404040	40404040	40404040	F7F54B40	404060F1	F3F54B40
(1240)	404040F2	F0F24B40	404060F4	F7F34B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1280)	4040F7F9	4040F9F1	4040F1F1	40F4F640	40F04BF0	40404040	40404040	40404040	F5F74B40	404060F1	F1F14B40
(1320)	404040F2	F1F74B40	404060F4	F4F04B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1360)	4040F7F9	4040F9F1	4040F1F1	40F4F740	40F04BF0	40404040	40404040	40404040	F8F54B40	404060F1	F0F84B40
(1400)	404040F2	F3F44B40	404060F4	F5F14B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1440)	4040F7F9	4040F9F1	4040F1F1	40F4F840	40F04BF0	40404040	40404040	40404040	F0F54B40	404060F1	F0F94B40
(1480)	404040F2	F4F34B40	404060F4	F6F24B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1520)	4040F7F9	4040F9F1	4040F1F1	40F4F940	40F04BF0	40404040	40404040	40404040	F3F74B40	40404060	F7F14B40
(1560)	404040F2	F9F74B40	404060F4	F4F04B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1600)	4040F7F9	4040F9F1	4040F1F1	40F5F040	40F04BF0	40404040	40404040	40404040	F5F84B40	40404060	F2F84B40
(1640)	404040F3	F5F14B40	404060F4	F0F74B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1680)	4040F7F9	4040F9F1	4040F1F1	40F5F140	40F04BF0	40404040	40404040	40404040	F3F04B40	40404040	F3F04B40
(1720)	404040F4	F4F54B40	404060F3	F8F54B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1760)	4040F7F9	4040F9F1	4040F1F1	40F5F240	40F04BF0	40404040	40404040	40404040	F1F74B40	40404040	F2F34B40
(1800)	404040F4	F3F24B40	404060F3	F8F54B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1840)	4040F7F9	4040F9F1	4040F1F1	40F5F340	40F04BF0	40404040	40404040	40404040	F0F14B40	40404040	40F44B40
(1880)	404040F4	F0F54B40	404060F3	F9F64B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1920)	4040F7F9	4040F9F1	4040F1F1	40F5F440	40F04BF0	40404040	40404040	40404040	F1F24B40	40404040	60F14B40
(1960)	404040F4	F0F54B40	404060F4	F0F74B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(2000)	4040F7F9	4040F9F1	4040F1F1	40F5F540	40F04BF0	40404040	40404040	40404040	F9F64B40	40404060	F2F04B40
(2040)	404040F3	F7F84B40	404060F4	F1F84B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(2080)	4040F7F9	4040F9F1	4040F1F1	40F5F640	40F04BF0	40404040	40404040	40404040	F5F54B40	40404060	F4F04B40
(2120)	404040F3	F3F74B40	404060F4	F1F84B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(2160)	4040F7F9	4040F9F1	4040F1F1	40F5F740	40F04BF0	40404040	40404040	40404040	F2F64B40	40404060	F6F64B40
(2200)	404040F2	F9F74B40	404060F4	F2F94B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(2240)	4040F7F9	4040F9F1	4040F1F1	40F5F840	40F04BF0	40404040	40404040	40404040	F2F34B40	40404060	F7F84B40
(2280)	404040F2	F8F34B40	404060F4	F4F04B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(2320)	4040F7F9	4040F9F1	4040F1F1	40F5F940	40F04BF0	40404040	40404040	40404040	F8F54B40	40404060	F8F64B40
(2360)	404040F2	F5F64B40	404060F4	F2F94B40	40404040	40404040	40404040	40404040	40404040	40404040	40404040

FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES		
					PERM	ZERO	B	SHORT	UNDEF.	#RECS.	TOTAL#
1	96	96	2400		0	0		0	0	0	0

EOJ DUMP STOPPED AFTER FILE 1 # OF PERMANENT READ ERRORS 0

START TIME 12/29/81 12:34:42 STOP TIME 12/29/81 12:36:00

GG-32I

GI-91A

5 MIN 40 STATION AU,AE,AL DATA

DEDUCED IONOSPHERIC PARAMETERS

THIS DATA SET CONSISTS OF ONE 9 TRACK, 1600 BPI, BINARY TAPE CREATED ON A CDC 7600 COMPUTER. THE DATA ARE WRITTEN IN CDC 60 BIT FLOATING POINT FORMAT (SEE ATTACHED). THE TAPE CONTAINS 2 FILES WITH 8 RECORDS PER FILE. THE FIRST FILE CONTAINS 5 MIN INTERVAL DATA FOR MARCH 22, 1979 (0600UT TO 1755 UT); THE SECOND FILE FOR MARCH 31-APRIL 1, 1979 (1200 UT TO 0500 UT). THE DATA ARE WRITTEN IN AN ARRAY TYPE FORMAT, THAT IS, EACH RECORD CONTAINS THE DATA FOR THE TIME PERIOD COVERED FOR ONE PARAMETER. FOR EXAMPLE, RECORD 1 (IN BOTH FILES) CONTAINS ALL THE AU DATA WORDS; RECORD 2, ALL THE AL DATA, ETC... THE FORMAT IS GIVEN BELOW ALONG WITH THE D AND C NUMBERS:

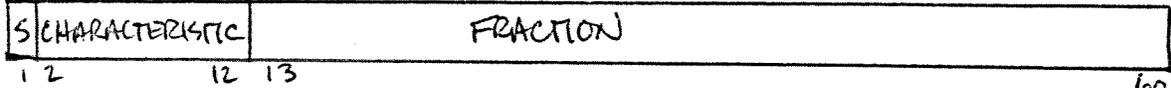
<u>RECORD</u>	<u>DESCRIPTION</u>
1	AU
2	AL
3	AE
4	TOTAL EQUIVALENT CURRENT (A)
5	TOTAL POTENTIAL (KV)
6	TOTAL EASTWARD ELECTROJET (A)
7	TOTAL WESTWARD ELECTROJET (A)
8	JOULE HEATING (W)

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-54214	C-22680	FILE 1 3/22/79 2 3/31/79-4/1/79

CDC 6000/7000 SERIES FLOATING POINT

INTEGER WORD LENGTH - 60 BITS
 FLOATING POINT WORD LENGTH - 60 BITS
 BYTE LENGTH - 6 BITS

SINGLE PRECISION FLOATING POINT FORMAT



Bits 2-12 - Characteristic - excess 975₁₀ (1717₈) notation 60

Example : Positive integer

CDC 6600 word - 1726.1462140000000000₈
 60-bit representation - 0|01111010110|001100110010001100000.....
 Sign bit = 0 (positive)
 Characteristic = 1726₈ = 982₁₀ 982 - 975 = 7 Number of bits
 decimal point is moved in fraction.

Fraction = .14621400.....₈
 = .001100110010001100.....
 = 0 3 1.4 4 3₈
 = 25.5686₁₀

Example : Negative integer

CDC 6600 word - 57326345000000000000₈
 60-bit representation - 1|01111011010|110011100101000.....
 Sign bit = 1 (negative)
 Characteristic = 1732₈ = 986₁₀ 986 - 975 = 11 bit exponent

Fraction = -.634500.....₈
 = -.110011100101000000.....
 = - 3 1 6 2. 4₈
 = -1650.5₁₀

DATE 2/8/83

NSSDC ID GF-32I ; GI-91A
(AE Indices) (Joule Heating)

CDAW DATA SET ENTRY

DATE RECEIVED: 1/2-1/83

CDB: 6

DATA SENT BY: Y. Kamide

MATERIAL RECEIVED: 3 magnetic tapes
inch of printout

SATELLITE/NSDF NAME: GF-32I - Activity Indices (AU, AE, AL)
GI-91(A) - Deduced Ionospheric Parameters (Total Joule Heating)

DATA SET NAME: ZINJ [no, apparently no data went into ZINJ; went into ZDIP] NKH 9/29/98

NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: All useful CDAW data contained on one tape
Other 2 are for converting & mailing to dist. as separate request

TIME COVERAGE: 79/81/6-^{17:55} 79/90/12-79/91/6

Notes:

TAPES TO BE RETURNED TO: X1212 Delete ✓ DD53324 (AE-40 station indices of ZAI
X1213 Delete ✓ DD53593 (Deduced Ionos. Params. ZDIP
+ DD54214 will replace

COMPLETED BY: Ellen Teague

INFORMATION SHEET FOR INCOMING DATA

66-32I
6I-9II

NSSDC ID: _____

DATE DATA RECEIVED: 3/2/83

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.) <i>1 mag tape</i>
PI AND AFFILIATION:	

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: 5-MIN 40 station au, ae, al Data + deduced Ionospheric parameters

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: DD

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: 54214 will replace both 53324 + 53593

REMARKS:

CDAW

DATA RECEIPT NOTIFICATION SENT?

Linda Moran
DATA TECHNICIAN

INPUT TAPE 54214 ON T01
DATA INPUT 09 NF 2 FL 2 4 4

144 words

FILE	1 RECORD	1 LENGTH	144 BYTES
()	172551534121	727324371725	452243656050
(48)	656117255056	050753412173	172551043656
(96)	727124371725	440172732436	563517255116
(144)	631463146315	172553507534	121727031725
(192)	515075341217	270317254342	436560507534
(240)	172573727024	365605101725	646365605075
(288)	075417266261	727024365605	172654207534
(336)	412172711725	617656050753	412217257537
(384)	560507534122	172640000000	000000001726
(432)	412024365605	075417274211	075341217270
(480)	172645417270	243656051726	543560507534
(528)	172717274322	560507534122	173061203146
(576)	463146321730	771714631463	146317306374
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(720)	173074352702	436560511730	635275341217
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(912)	704746314631	463217307625	217271243656
(960)	173077667024	365605101730	774243656050
(1008)	051017306434	172702436561	173076506314
(1056)	702436561731	530124365605	075417314504
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(1152)	727456050753	412217315177	270243656051
(1200)	173065225605	075341221730	637121727024
(1248)	753417306532	560507534122	173059076051
(1296)	243656051730	455107534121	727017305236
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(192)	173024365605	075360540243	656050753411
(240)	605332270243	656051746053	302702436560
(288)	560460521125	605075341216	60510243656
(336)	412172701727	312172702436	560460532256
(384)	702436560507	605416146314	631463146054
(432)	151463146314	631460542256	350753412172
(480)	605416560507	534121726054	175075341217
(528)	341160532136	560507534121	605117350753
(576)	777777776047	343643656054	753360500234
(624)	556050753411	604614453656	050753416046
(672)	162134121727	924360461251	436560507533
(720)	604706577777	777777776047	076056050753
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(864)	777777777777	605115607534	121727026051
(912)	164243656050	753360473363	146314631462
(960)	604717707534	121727126047	122572712436
(1008)	365560470532	121727124365	604635770243
(1056)	631463146045	221570243656	050761460075
(1104)	656150753411	64533370753	412172676045
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(1248)	558 694630449	65605775341	634631413146	314631456046	275769507534	121660471114	172702436560	604716210753
(1296)	412172676047	391217272423	656663473513	72724365604	604737479753	412172676350	226753412172	702363503337
(1344)	412172702436	605025860507	534121726050	354631463146	314560502416	436560507533	605025441217	270243656050
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(96)	000000001725	716050753412	172717257030	243656050753	172563341217	270243651725	660753412172	702417264531
(144)	217270243656	172643270243	656450751725	736631463146	314617257161	727024365605	172651050753	412172701726
(192)	407631463146	314617256271	463146314631	172640517270	243656051725	634050753412	172617264570	507534121726
(240)	172647275341	217270241726	442412172702	436517264563	146314631463	172654736560	507534121727	432353412172
(288)	702417274703	412172702436	172765761727	024365611727	545134121727	024417274415	217270243656	172653112172
(336)	732436561726	425270243656	250717265204	121727024365	172647536560	507534121726	520507534121	727017257432
(384)	702436560507	172646463146	314631461726	532341217270	243617264637	534121727024	172672205075	341217271727
(432)	426572702436	560517274466	17272436560	172741164365	605075341726	547534121727	024317265252	702436560507
(480)	172653541217	270243651726	624050753412	172617265722	702436560507	172743642436	560507531727	456412172702
(528)	436517275106	702436560517	173075310753	412172701731	405243656050	753417314742	412172702436	173157336314
(576)	631463151731	613024365605	075317315127	000000000000	173153425075	341217271731	526172702436	560517317301
(624)	702436560510	173244261341	217270241732	426535341217	270217324350	450753412173	173243457270	243656051731
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(720)	173172665341	217270241731	65707534121	727017315555	436560507534	173157270243	656050751731	542617270243
(768)	656017314374	217270243656	173142750243	656050751731	446414631463	146317306512	121727024365	173050663146
(816)	314631461730	465631463146	314617305414	436560507534	173152256560	507534121730	507172702436	560517305064
(864)	050753412173	173055541217	270243651730	572307534121	727017305666	172702436561	173141364121	727024361731
(912)	505312172702	436617316121	024365605075	173170154121	727024361731	705275341217	270217317072	702436560507
(960)	173167767534	121727021731	724624365605	075317316553	605075341217	173161350753	412172701731	676663146314
(1008)	631517316741	024365605075	173240525341	217270241731	726114631463	146317317726	656050753412	173253511727
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(1200)	173247774121	727024361732	432310753412	172717324361	121727024365	173243272172	702436561732	462341217270
(1248)	243617317747	412172702437	173176023656	050753411731	720317270243	656117315706	075341217270	173144107270
(1296)	243656051731	445734121727	024317314651	365605075341	173142436314	631463151730	623605075341	217317277652
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(96)	003761141740	554030060343	505617407131	546136027544	174071152471	024032231740	732527261051	327217407556
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(240)	174145410737	025211451741	440253354602	477117407675	264453350172	174061777776	155474021741	501410041464
(288)	600317414563	127717036577	174157665033	650036121741	735654405511	732717416506	417667136742	174171353675
(336)	531362161741	666413525141	623417417442	476401406772	174242252103	311604701741	716204755446	475417416537
(384)	574357063530	174161156470	611620001741	644176527770	666417415722	163216767604	174157707272	701660261741
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(480)	174165720760	732516731741	746202032270	026617417646	275353045262	174173054133	117606601741	650534661502
(528)	267717424623	720336171616	174343646462	061124741743	523766706132	066117435547	136227657542	174360035764
(576)	771476461743	573456345476	274017435226	247472122770	174353771762	250617031743	571701377053	530317435730
(624)	673653554707	174365675351	400067751743	717255541374	223617444260	207357655603	174442705460	163560711744
(672)	444572157177	335117444531	435647720331	174442750675	200354711744	433015772017	457517444402	062710762665
(720)	174442377622	070347261744	422464611220	173217437361	613466675167	174374344420	654664031743	632046640130
(768)	132517434660	340056106022	174350141414	406437401742	730430210741	317217426450	471012561430	174260351002
(816)	212104431742	605212567350	134617426062	002051526002	174267213721	373721041742	706530142264	205317426664
(864)	655552322412	174267077376	134526121742	734020347133	546017427220	227654165332	174352465606	132063301743
(912)	574431544454	202617436515	430370670415	174440057457	277172351743	761654555573	316317444000	554462007552
(960)	174440343635	103430451743	764354156100	627217437437	122227371106	174362407261	400377021743	654653107621
(1008)	466717436622	363525141276	174367754024	230120251743	735375140733	554717444206	500101715156	174451303333
(1056)	634677151744	636656627245	456317446014	532222720412	174464464645	071740561744	670427575232	107517446461
(1104)	211704612636	174473503757	246720311744	611265652355	240717447226	234413537165	174466537757	477363301744
(1152)	760306670427	370417446126	135455451764	174450314470	014613031744	525201656275	154017444630	134725471507
(1200)	174441312713	051411001744	401663242477	660717437170	651703141267	174373660713	406227031743	760704102636
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(192)		406351574143	136217246464	567521061753	172452471027	770142501724	542701323636	454417246326	356020254460		
(240)		172473342103	332741121725	521204631642	676117247277	473042575373	172451003613	057324621724	751732450074		
(288)		461217247704	662131313207	172540863257	740430111725	475107643062	126317255054	540374104652	172545070406		
(336)		275636221725	673251372677	714617255645	437616333154	172560052245	710701411725	412423034150	103717264063		
(384)		305454716462	172477412748	071713021724	605527041417	573417247037	321102456543	172461140346	721104041725		
(432)		454243213012	310217247476	323323211427	172467643566	167242021724	741504437175	234317247775	637045203316		
(480)		172475077321	141224511725	470411020516	703517255126	056706454533	172466627535	343741401725	402144071514		
(528)		065417256342	570556626271	172640241436	704753271726	452011463530	772617265572	656264332565	172664101415		
(576)		442175131726	763705653705	026317266413	610241362527	172676335734	354777461726	577031337002	032017264507		
(624)		716106207470	172647031357	334507351726	601141210077	327617274562	016150266312	172653562202	145773011726		
(672)		61540327253	322517262244	135157751574	172674242357	626347741726	635173051207	317517266313	317407012356		
(720)		172761333623	336746501726	621152176201	677717265636	715544303065	172662414672	126676221727	435612135653		
(768)		417517267224	003760223163	172657140511	117707471726	453223142751	247217264207	274631451576	172647461774		
(816)		631726051726	551710127634	504417257547	377720057104	172661035351	044632201726	612206703146	657117265372		
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(912)		406225714364	656217264541	350024056323	172656637712	467266711726	603363120465	467717265476	137122536764		
(960)		172656657663	473160661726	547317250430	243617265576	017625226505	172747252406	767115511727	574054623231		
(1008)		061517276446	730017442452	172754705447	231165471727	561275762213	416017275707	325756757520	172754171112		
(1056)		702023731727	462325721205	226317277535	742173667301	172766111472	166422101727	530537157537	541617277507		
(1104)		364570074402	172757043515	454536101727	421071374131	475417274262	177041655732	172754217432	112748501727		
(1152)		414536545416	665317276253	360571343760	172741110664	022213361726	615223562734	421417265436	224272624214		
(1200)		172655302225	727524511726	442060701771	325417266570	324552605567	172665436605	057106511726	663625414262		
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(1296)		564013551726	764336636201	325717275451	072021272323	172753731625	246056321726	603541073366	014017266135		
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(1392)		720331517121	103717275034	245257102626	172741617417	174064371727	455215750563	213517265111	524157633254		

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(240)		174066266777	523140031740	700131405615	776017405140	666030745317	174140450765	732300711740	765154346401		
(288)		636317414234	215107575115	174246003222	251225731742	515176667375	357117414600	571520211245	174140004327		
(336)		734774661741	452221374535	521717415441	707452657363	174162176264	423347671741	502511226113	754717416106		
(384)		726265071453	174144264157	204304561741	434603501420	416717417311	703621750777	174172660501	232560321742		
(432)		454013737476	177417417433	345722201045	174155410074	466763161741	665124564340	326317415065	269304141421		
(480)		174174553635	513784141742	447563307240	236217424644	441352275611	174240437346	554546641741	570072431172		
(528)		114517424765	465400216446	174274615752	570762411742	673467666352	304117426077	516357070424	174272070416		
(576)		737531611743	502060037135	416417427507	614021151763	174345064247	026301451742	761425023634	420517434112		
(624)		246132323633	174345133711	755177731742	703473476405	245017427677	560642443307	174262564452	726657721743		
(672)		427142430511	562217425025	274036675351	174244044210	670716411741	676640246167	402617416016	763674114453		
(720)		174361140564	427607111743	555623523105	515217434502	075733243571	174357653034	215410231743	463743442704		
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(912)		675275711512	612417427456	205301676366	174346473632	157136511743	464125114062	057617434476	651232722563		
(960)		174346020373	175063251743	505367563133	122717435247	137037027114	174360007357	256501521743	735241103427		
(1008)		433617437314	336345654353	174375376554	774627341744	404612713322	557617444004	632212175307	174441364205		
(1056)		401054331744	404744546101	127017437018	114420105145	174366104435	242550561743	756041760522	422417444035		
(1104)		575367345607	174443254240	073713501743	647503064343	047317444232	620272317376	174372277321	336352501743		
(1152)		635023312621	457317444073	313144452445	174366174376	031342651743	666206352150	722617436411	535661453427		
(1200)		174350607413	247011201743	455372521112	413517435051	156012524620	174344502443	217130441743	644600561133		
(1248)		717117437700	740212643013	174366075143	481227071743	575672737141	742317427616	425453435622	174345604271		
(1296)		105023301743	454676244263	735517434312	277606760311	174277245411	371154231742	633131645040	261717425271		
(1344)		365613707432	174250730567	542647561742	406672044650	666617426034	427416052731	174244642560	616301231741		

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(816)	024365606047	630114631463	146260463667	560507534121	604636640507	534121726046	350263146314	631460471215
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(432)	451410417177	044017434330	410557457612	174263010436	656713211742	650266732400
(480)	174264700124	526202461742	711767307651	602017426624	744067715317	174274357736
(528)	533617427536	157033573006	174277642776	706627171743	424536352502	057517436627
(576)	013132671743	436243777473	120417434244	006617027760	174344367703	261501741743
(624)	661602316633	174342174654	264417541743	437341460547	251017427562	604510726632
(672)	714356403304	057317426355	310427261035	174260510075	416200521742	543210342552
(720)	174266534561	234714151742	612504257004	452717427657	540157654436	174270764454
(768)	447717434772	517452165270	174267733347	055065651742	671321146520	544717425546
(816)	646517561742	446047607167	617017424215	210172663704	174241523615	536011601742
(864)	551175752345	174243354156	117062261742	462537710167	701417425042	375543372521
(912)	513614101770	360217424607	650012674312	174245124174	751065101742	551463433251
(960)	174244406234	257170121742	430057065734	126117424041	173047375124	174173773045
(1008)	010117425513	104600762000	174251006613	440511101742	477041474463	365417425304
(1056)	570554561741	661646571013	176417416715	070423353043	174162375037	140253251741
(1104)	070174441141	174166756160	303720561742	462157011226	770217424614	114433063602

(1243)	331317424256	347314156276	174245615746	172727311742	473662552310	367217425636	067345239101	174255224021
(1296)	437370371742	576624371650	647717426126	173175064134	174260153502	627446011743	533616642317	456317427316
(1344)	215155336420	174344672250	656001311742	707117514010	237617426256	470002075665	174270037566	424751201742
(1392)	725146374045	736517426411	216356611743	174270364100	546135051742	620637244450	776117425575	255716673600
(1441)	174257613672	525406451742	646070177255	536117426627	427452735105	174347713375	047225361743	436472663622
(1488)	612717434075	557551143774	174355371715	142241741742	702061257427	521417427322	061664777465	174274203345
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(1632)	407152623655	611517416301	306542012663	174162072615	730734101741	664522531126	622317417450	242247261132
(1638)	174177762417	627061571742	454511565410	431417417275	013733570476	174245413662	222744051741	676713247561
(1728)	731317417325	361560707603	174175010062	246320141742	454305761000	621517424724	613662261672	174246706151
(1776)	576201221742	516617736250	000417425050	412556140436	174265001226	427614141742	765551226140	531417426162
(1824)	271505754177	174264040372	143577701742	742401226063	740217427457	360526763517	174257456722	062106641742
(1872)	557444307053	032117424267	364346774257	174260073541	627576501742	525750536307	220117424463	673604630656
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(1968)	123717424074	532322634576	174172504055	336445471741	671362721375	263317424106	772365113435	174171223535
(2016)	335112311741	672615410431	441617424012	203360265233	174172267107	223437101741	756771756652	050217417307
(2064)	157762253474	174174324315	241373551741	727045467011	324717416705	263152217056	174161502173	554224561741
(2112)	726574651750	500717416577	747760616476	174160752307	770505261741	605757060344	747417416314	204764266147

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(192)	363466411755	627460353730	572453145536	603603315201	640676566035	376261201215	533460353540	665100515673
(240)	603503645133	213067336035	312773142602	501360352645	763617105625	603512604752	352144166035	031657371571
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(384)	265160220013	603427173376	243057236034	212206261015	340460342024	652505634066	603422334521	060677076034
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(480)	603407544414	206702546034	153616360135	126460342713	223104146407	603434673670	454131316035	004103262716
(528)	125660343551	345305036265	603436156256	567343376034	370076606276	130560342634	316365763621	603424213410
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(912)	035566404510	566260352213	407122540540	603516541602	325422306034	3353060771102	625160343762	272756035244
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(1008)	126560343054	214441024406	603425577206	741413276034	254555017334	457460343050	121716232757	603430346211
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(1872)	222545275065	064060342727	221703072146	603430222523	113223526034	364726272465	534260351252	540273211017
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(1968)	754760363245	007026667414	603706333221	176564526037	121050650250	660460370753	542450041602	603702670716
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FILE	2	RECORD	LENGTH	216-BYTES	216-BYTES	216-BYTES	216-BYTES	216-BYTES	216-BYTES
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(528)	556317655076	574264165246	176550502237	716561701765	500165234045	355717655177	164134327770	176552014031	
(576)	260342471765	576071461704	023417654747	651007795737	176546005177	646120031765	430542234052	041117654263	
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(1776)	577216671764	525174215661	360717644250	437265267021	176474401350	240267671765	604140553357	176017657773	
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(1920)	176367444605	727035571764	414603706016	746317636645	640351655651	176345751035	571000551763	621144552027	
(1968)	155017637024	447107772352	176364207076	743225771763	546310415611	271117635705	101036010264	176343213034	
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FILE	INPUT RECS.	DATA INPUT	RECORDS	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
					PERM	ZERO B	SHORT	UNDEF.	#RECS.	TOTAL#
2	8	12	1620		0	0	0	0	0	0

EQJ DUMP STOPPED AFTER FILE 2 # OF PERMANENT READ ERRORS 0

START TIME 03/08/83 14:33:14 STOP TIME 03/08/83 14:34:13

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

GN-11 B

STARE RADAR

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi,
BIN with 3 file(s) of data. The time span and D and C numbers are as follows:

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-47409	C-22154	3/22/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: GN-11B

DATE DATA RECEIVED: 3/01/72

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	1 mag tape

SATELLITE NAME/NSDF NAME: _____

EXPERIMENT NAME: _____

DATA SET FULL NAME: State Data

CONTACT: _____ ACQUISITION SCIENTIST: MLB

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: ML

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: NSF 474.1 22154

REMARKS:	1600 Bin 9trk 3 files 3/2/79 Craw
----------	---

DATA RECEIPT NOTIFICATION SENT?

Thoran

DATA TECHNICIAN

Date 02/25/82
NSSDC ID GN-11B

CDAW DATA SET ENTRY

Date Rcvd : 02/08/82 CDB: 06

Data Sent By : R. Greenwald

Material Rcvd : 1 mag. tape + 1 p. document.

satellite/NSRF Name: Stare Radar

Data Set Name : Stare Radar

New Data Set Additions Replacements

Comments _____

Time Coverage : 79/03/22 - 79/03/22

Tapes To be Returned to: _____

Completed By: Ellen Teague

CN INFORMATION

To facilitate the loading of data into a WSP 2.0 data base, please supply the following information. Fill out one form for each data set to be loaded.

CN name, CE name, and library location CN 662 CE 6 ZST

Author of CN, CE routines H.K. Hills

Uniques routines called by this CN, should be cataloged with the CN _____

Experiment name Star Radar NSSDC ID GN-11B

Scientist handling experiment R. Greenwald

Data set mnemonic ZST Total # of items to be loaded _____

List of item #'s to be loaded _____

Tape #	# of files	# of tracks	density	start/stop time
N-3737 X-222		9	1600	8/8 - 14:41

Typical data point separation 20s

Minimum data point separation _____ Total # of points _____

Any other information _____

See CONK

STARE DATA

DATE: March 22, 1979 (Day 81)
TIME: 8:00 UT - 14:41 UT
DENSITY: 1600 BPI
FORMAT: 16 bit integers, recorded with high order byte first (i.e. standard binary format). Each record contains 64 values (128 bytes).

RECORD DEFINITION:

<u>Word</u>	<u>Data</u>
1	YR (79)
2	DAY (81)
3	HOUR (UT)
4	MINUTE
5	SEC
6	Starting longitude (*10)(190)
7	Ending longitude (*10)(210)
8	Starting latitude (*10)(676)
9	Latitude step size (*10)(2)
10	Number of latitude bins (26)
11	E-W velocity for 1st bin (m/sec)
12	N-S velocity for 1st bin (m/sec)
13	E-W velocity for 2nd bin
⋮	
62	N-S velocity for 26th bin
63	Average E-W velocity
64	Average N-S velocity

The integration time for this data was 20 sec. The time recorded on each record is the ending time of the integration period. The latitude and longitude values are multiplied by 10. Four longitude bins (0.5° wide) were averaged for latitude and the resultant velocity rounded to the nearest integer value. A zero value for both velocity components indicates insufficient scattering intensity to determine the velocity accurately. The final two values give the average of each velocity component over the 26 latitude bins. Undetermined velocity values (0, 0) were not used in the average.

The second file is the same format as the first but has longitude range $13.5^\circ - 26.5^\circ$

The third file has longitude range $20.0 - 20.5$

X-222

```

0 FILE 1 RECORD 1202 LENGTH 128BYTES ( 0) 004F0051 000E0
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( 40) 00000000 00000000 00000000 00000000 00000000 00000000
022EFE76 012FFDCB 00B3FDAC 0050FDA8 00000000 02A5FE67 02D5FE77 0330FE0
0045FDE8 FFE8FE08 FF49FE6E FF00FEC2 ( 80) 00A7FDD3 006FFDE7
( 120) FF4DFE35 007CFE12 FF68FE42 FFC3FDA0 FF15FDD0 FEA2FE44

```

```

GTH 128BYTES ( 0) 004F0051 000E0029 000000BE 00D202A4 1203 LEN
00000000 00000000 00000000 00000000 0102FE36 00000000 0002001A
084FDDDB 029BFEA4 033BF9C 0321FE4E 02B2FE51 01A9FDCC ( 40) 00000000 0
74FDD4 ( 80) FFE5FE1F 0005FE0C FF62FE4F 008EFDC1 00AEFDBE 00
6FEA5 FF6DFDF1 FF4DFD48 FF5AFD88 FECCFD75 FF62FE4F FEF6FE7F FF13FE58 FE9
FE09 ( 120) FEDDFD79 0063

```

```

0 FILE 1 RECORD 1204 LENGTH 128BYTES ( 0) 004F
0051 000E0029 000000BE 00D202A4 0002001A 00000000 00000000 00000000
000 0102FE36 ( 40) 00000000 0084FDDDB 029BFEA4 033BF9C 0321FE
4E 02B2FE51 01A9FDCC 008EFDC1 00AEFDBE 0074FDD4 ( 80) FFE5FE1
F 0005FE0C FF62FE4F FEF6FE7F FF13FE58 FE96FEA5 FF6DFDF1 FF4DFD48 FF5AFD88
FECCFD75 ( 120) FEDDFD79 0063FE09

```

Last 2 records repeat we same.

```

DATA RECORDS MAX. INP READ ERROR SUMMARY FILE INPUT
M ZERO B SHORT UNDEF. $RECS. TOTAL$ RECS. INPUT INPUT RETRIES INPUT
1 1204 1204 128 PERM UNDEF. $RECS. TOTAL$ PER
0 ***** EOF ON COMPLETION OF ***** EOF ON COMPLETION OF DUMP FOR
REQUEST SR-1-1212-30 EOJ DUMP STOPPED AFTER FILE 1 $ OF PERMANE
NT READ ERRORS 0 0START TIME 02/10/82 20:56:34 STOP TIME 02/10/82
20:58:09

```

\$\$ DUMP OF END OF FIRST FILE OF GREENWALD'S STARE DATA CDAW 6 2/10/82

Last record of each file is a duplicate of the preceding record.

HKH

DUMP OF TAPE LBOUT1

D-47409
03/22/79

INPUT TAPE LBOUT1 ON MT2
DATA INPUT H9 NF 3 FL 3 1 1

FILE	1	RECORD	1	LENGTH	128	BYTES					
(0)	004F0051	00080000	001400BE	00D202A4	0002001A	00000000	00000000	00000000	00000000	00000000	00000000
(40)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(80)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(120)	00000000	00000000									

FILE	1	RECORD	1204	LENGTH	128	BYTES					
(0)	004F0051	000E0029	000000BE	00D202A4	0002001A	00000000	00000000	00000000	00000000	00000000	0102FE36
(40)	00000000	0084FDD8	029BFEA4	0338FE9C	0321FE4E	02B2FE51	01A9FDCC	008EFDC1	00AEFDBE	0074FDD4	
(80)	FFE5FE1F	0005FE0C	FF62FE4F	FEF6FE7F	FF13FE58	FE96FEA5	FF6DFDF1	FF4DFD48	FF5AFD88	FECCFD75	
(120)	FEDDFD79	0063FE09									

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
1	1204	1205	128	0	0	0	0	0	0

FILE	2	RECORD	1	LENGTH	128	BYTES					
(0)	004F0051	00080000	00140087	010902A4	0002001A	00000000	00000000	04C5FE3C	05F7FE6E	00000000	
(40)	00000000	00000000	00000000	00000000	00000000	00000000	FE14FCD2	00000000	00000000	00000000	
(80)	00000000	00000000	00000000	00000000	04E3018B	FD16FDE7	F7DCFB06	FA45FDFD	0178FDFC	FE64FB84	
(120)	00000000	FFA5FDCE									

FILE	2	RECORD	1204	LENGTH	128	BYTES					
(0)	004F0051	000E0029	00000087	010902A4	0002001A	00000000	00000000	01D1FED7	01AAFECC	00DDFE3C	
(40)	029EFF72	02FAFF4D	0306FED7	02F9FEAB	0211FE18	0156FDF5	0053FE3E	0059FE40	0003FE37	0000FE37	
(80)	FF9CFE5E	FF3CFE69	FE76FE8B	FE13FE82	FE02FE84	FDC7FE91	FD7EFE90	FD0BFEE3	FD5DFEDE	FDA2FF00	
(120)	FE5AFE98	FFF7FE95									

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
2	1204	1205	128	0	0	0	0	0	0

FILE	3	RECORD	1	LENGTH	128	BYTES					
(0)	004F0051	00080000	001400C8	00CD02A4	0002001A	00000000	00000000	00000000	00000000	00000000	00000000
(40)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(80)	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
(120)	00000000	00000000									

FILE	3	RECORD	1204	LENGTH	128	BYTES					
(0)	004F0051	000E0029	000000C8	00CD02A4	0002001A	00000000	00000000	00000000	00000000	00000000	00000000
(40)	00000000	00000000	036EFEF6	0215FE57	0342FE29	02EAFE80	0210FE11	0071FDCC	009CFDBE	0061FDF3	
(80)	0006FE24	0031FDE9	FFB9FDF8	FED2FEBD	FEDDFE75	FEE6FE43	002EFE08	FF6FFD58	FECFFD22	FEB0FD08	
(120)	FEDFFD6D	0067FDFF									

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY				INPUT RETRIES	
				PERM	ZERO	B SHORT	UNDEF.	#RECS.	TOTAL#
3	1204	1205	128	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 3 # OF PERMANENT READ ERRORS 0

START TIME 02/27/82 13:34:25 STOP TIME 02/27/82 13:35:19

REQ. AGENT

LSM

REQ NUMBER

V0144

ACQ. AGENT

DMS

SM-41D SPHE-00764

IMP J / ISEE 3 GEOMAG PREDICTORS

This data set consists of 1 tape(s). The tape(s) is 9 track, 1600 bpi, ASCII with 3 file(s) of data. The time span and D and C numbers are as follows:
This tape was created on an IBM 360 computer.

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-53594	C-22681	3/22/79-4/1/79

INFORMATION SHEET FOR INCOMING DATA

NSSDC ID: SM-AID

DATE DATA RECEIVED: 1-15/82

DATE NSDF COORDINATOR CONSULTED: _____

DATE SCIENTIST NOTIFIED: _____

SOURCE:	MATERIAL RECEIVED: (NUMBER OF SHEETS OF HARDCOPY, NUMBER 100' REELS MICROFILM, NUMBER OF MAGNETIC TAPES, ETC.)
PI AND AFFILIATION:	<u>1 mag-tape</u>

SATELLITE NAME/NSDF NAME: IMP-7 / ISEE 3 GEMMA PREDICTORS

EXPERIMENT NAME: _____

DATA SET FULL NAME: _____

CONTACT: _____ ACQUISITION SCIENTIST: DMS

FORM THAT WILL BE ANNOUNCED IN AIM/NSDF: IV

THESE ARE: A NEW DATA SET ADDITIONS REPLACEMENTS OTHER (EXPLAIN BELOW)

ACCESSION UNIT NUMBERS: UD 53594 C-22681

REMARKS:

CD-A-W

DATA RECEIPT NOTIFICATION SENT?

Moran
DATA TECHNICIAN

X-1417

IGP

DATE 10/12/82

NSSDC ID ~~████~~ -41D
SM

CDAW DATA SET ENTRY

DATE RECEIVED: 10/12/82 CDB: 6

DATA SENT BY: James Slavin

MATERIAL RECIEVED: 1 3-1/2" mag. tape
1 page letter
1 page docum.
printout

SATELLITE/NSDF NAME: IMP-J/ISEE3

DATA SET NAME: Geomagnetic Predictors

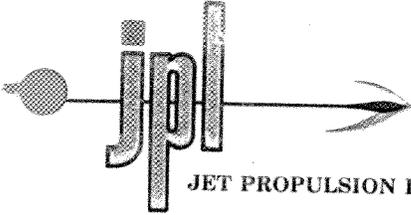
NEW DATA SET ADDITIONS REPLACEMENTS

COMMENTS: _____

TIME COVERAGE: Mar 22 - Apr 1

TAPES TO BE RETURNED TO: _____

COMPLETED BY: Ellen Teague



JET PROPULSION LABORATORY *California Institute of Technology • 4800 Oak Grove Drive, Pasadena, California 91109*

October 8, 1982

Dr. J.I. Vette
NASA Goddard Space Flight Center
Greenbelt, MD 20771

Dear Dr. Vette:

Bruce Tsurutani, Joyce Wolf, and I have created a gapless IMP 8 interplanetary dataset for the Day 81 and 90-91, 1979 CDAW intervals through the use of time lagged Isee 3 measurements and interpolation. We have been using it to study and test the various proposed solar wind-magnetosphere coupling functions. Under separate cover a tape of our source parameters and derived predictor quantities is being sent to you for use at CDAW 6.2. The name of the dataset is GEOMAGNETIC PREDICTORS. A short description of the tape/dataset is enclosed.

Sincerely,

James A. Slavin

SEL/jas
cc. B.T. Tsurutani
J.E. Wolf

Dataset: GEOMAGNETIC PREDICTORS

This tape is 9 track, 1600 bpi, ASCII coded. It was generated at JPL, Oct. 7, 1982.

There are three files. The first file consists of 80-byte records (no blocking); it is the documentation you are now reading. The second file has data for the CDAW interval 03/22/79 (DOY 81), 06:30 to 18:00. The third file has data for the CDAW interval 03/31/79, 12:00 to 04/01/79, 03:25.

Data records are 127 bytes long. The data items are TIME, BXSE, BYSE, BZSE, BMAG, BYSM, BZSM, Den, V, BV, BV², EPS, AE, Dst, and U_T; they may be read with the format(9F7.1, 3E12.4, 2F8.1, E12.4).

TIME	The time tag is the midpoint of a 5 minute averaging interval. It is given in minutes from 79/081/00:00 for the first CDAW interval and from 79/090/00:00 for the second interval
BXSE, BYSE, BZSE	Field components in SE coordinates (gammas)
BMAG	Average field magnitude
BYSM, BZSM	Y and Z components of field in SM coordinates
DEN	Density (cm ⁻³)
V	Speed (km/sec)
BV	(volts/meter)
BV ²	(volts/sec)
EPS	Epsilon=B ² Vsin ⁴ (θ/2) (ergs/sec)
AE	AE64 for Day 81 supplied by Kamide (gammas) AE12 for Days 90-91 Kyoto Univ./NOAA (gammas)
DST	Supplied by McPherron/Clauer (gammas)
U _T	Total magnetospheric energy consumption = 4x10 ²⁰ (∂Dst _c /∂t + Dst _c /τ _R) + 3x10 ¹⁵ AE (ergs/sec); specifics supplied by Akasofu

For Day 81, gaps in the IMP-8 measurements have been filled using King's plasma interpolations (group letter of 7/6/82, 08:00-18:00) and 45-minute time lag shifted ISEE3 observations when gaps of more than 20 minutes in the plasma and 5 minutes in the IMF data exist. The smaller intervals have been filled in by simple linear interpolation.

For the second interval, Days 90-91, gaps in the IMP8 measurements have been filled using linear interpolations for a 20 and 30 minute gap and 50 minute time shifted ISEE3 observations from 23:00 to 03:25.

INPUT PARAMETERS ARE: AS FL=1=1 3

N-53594

TAPE NO. 1
RECORD 1

FILE NO. 1
LENGTH 80

Dataset: GEOMAGNETIC PREDICTORS

TAPE NO. 1
RECORD 55

FILE NO. 1
LENGTH 30

TAPE NO. 1
RECORD 1

FILE NO. 2
LENGTH 128

392.5 -4.4 2.5 3.2 6.0 1.4 3.3 8.75 340.0 .0000E+00 .0000E+00 .2321E+16
95.4 15.1 .0000E+00

TAPE NO. 1
RECORD 138

FILE NO. 2
LENGTH 128

1077.5 -6.7 13.5 -5.4 15.1 14.4 1.4 13.70 513.0 .0000E+00 .0000E+00 .5411E+19
364.3 -38.6 .1695E+19

TAPE NO. 1
RECORD 1

FILE NO. 3
LENGTH 128

722.5 5.35 2.70 3.06 6.83 2.01 3.56 5.63 391.0 .0000E+00 .0000E+00 .1519E+17
59.2 -13.8 .0000E+00

TAPE NO. 1
RECORD 185

FILE NO. 3
LENGTH 128

1642.5 7.2 -.3 -1.2 7.6 -.2 -1.4 7.35 414.3 .5800E-03 .2403E+03 .4726E+19
646.4 -29.3 .3069E+19

***** JOB DONE.
\$WEO LPS

\$\$
\$ASS IN MT4 OUT MT1