



#373

OGO-5

TRI-AXIAL FLUXGATE MAGNETOMETER

68-014A-14I

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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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

B & 64 KES B-FLD FOR SPECTRUM ANALYSIS

68-014A-141

SPHE-00723

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY THERE WERE 15 9-TRACK, 800 BPI TAPES. THERE ARE TWO RESTORED TAPES, THE DR TAPES ARE ON 3480 CARTRIDGE AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE TAPES WERE CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR02897	DS02897	D28818	1	03/07/68 - 03/07/68
		D28819	2	03/07/68 - 03/07/68
		D28820	3	03/07/68 - 03/07/68
		D28821	4	03/09/68 - 03/09/68
		D28822	5	03/12/68 - 03/12/68
		D28823	6	03/12/68 - 03/12/68
		D28824	7	03/12/68 - 03/13/68
		D28825	8	03/14/68 - 03/14/68
DR02898	DS02898	D28826	1	03/14/68 - 03/15/68
		D28827	2	03/15/68 - 03/15/68
		D28828	3	03/17/68 - 03/17/68
		D28829	4	03/17/68 - 03/17/68
		D28830	5	03/19/68 - 03/20/68
		D28831	6	03/19/68 - 03/21/68
		D28832	7	03/20/68 - 03/21/68

OGO-5
TRI-AXIAL FLUXGATE MAGNETOMETER
68-014A-14I

This data set catalog consists of 15 OGO-5 data tapes. The tapes are 800 BPI, Binary, 9 track, 1 file and were created on the IBM/360.

Interplanetary 64 KBIT data from orbit 2 to 7 with some fill data at 8 KBIT, as necessary to do power spectrum analysis, etc.

Bit rate is indicated by interval between data points:

64 KBIT - 50 PER SEC.
8 KBIT - 5 PER SEC.

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
28818	18698	3/7/68 - 3/7/68
28819	18699	3/7/68 - 3/7/68
28820	18700	3/7/68 - 3/7/68
28821	18701	3/9/68 - 3/9/68
28822	18702	3/12/68 - 3/12/68
28823	18703	3/12/68 - 3/12/68
28824	18704	3/12/68 - 3/13/68
28825	18705	3/14/68 - 3/14/68
28826	18706	3/14/68 - 3/15/68
28827	18707	3/15/68 - 3/15/68
28828	18708	3/17/68 - 3/17/68
28829	18709	3/17/68 - 3/17/68
28830	18710	3/19/68 - 3/20/68
28831	18711	3/19/68 - 3/21/68
28832	18712	2/20/68 - 3/21/68

OGO-5
TRI-AXIAL FLUXGATE MAGNETOMETER
68-014A-14I

FORMAT

This data set consists of 15 tapes. The tapes are 1 file, 800 BPI, Binary, 9 track and were created on an IBM/360.

Each physical record will contain 128 logical records. Also each logical record will be made up of 6-32 bit words.

<u>DISCRIPTION</u>	<u>BYTES</u>	<u>FORMAT</u>
I TIME	1-4	BISHOP TIME
B x	5-8	S/C COORDINATES
B y	9-12	S/C COORDINATES
B z	13-16	S/C COORDINATES
$(Bx^2 + By^2 + Bz^2)^{1/2}$	17-20	
I QUALITY FLAG	21-24	

The binary records are written by the Fortran statement.

Write (10) NREC, (IBT(I), BX(I), BY(I), BZ(I), BT(I), IQUAL(I), I=1, 128)

where NREC = 128

IBT = Bishop time of data (see appendix)

BX = X spacecraft component of the field in gammas

BY = Y spacecraft component of the field in gammas

BZ = Z spacecraft component of the field in gammas

BT = total field in gammas

IQUAL = Quality indicator as explained in a previous section

Appendix

Bishop time is the name of the unit of time used for the majority of the processing of the OGO-5 and ATS-1 fluxgate magnetometer data at UCLA. It is defined as the number of tenths of seconds since the start of the year 1966, that is, Bishop time equals zero, at 0000 U.T. on January 1, 1966. The advantage of using Bishop time is that one single 360 word can be used to cover a period of six years. Six years is longer than the life-expectancy of most satellites. The disadvantage is that this time word cannot be used to provide timing for the high telemetry rate data of OGO-5. This problem does not arise for the data discussed in this report because the highest sample rate given on these tapes is one point every 4.608 seconds.

On the next page is the listing of a subroutine to convert from Bishop time to ordinary Universal time and vice versa. The entry point BTCON converts from Bishop time while the entry point CONBT converts to Bishop time.

\$JOB 13:39:14
\$ASS IN MS4 SI TY
\$EEC DPHEX BS
NO PROCEDURE
\$NOOP DUMP OF T-14366
\$EXEC DPHEX BS

INPUT TAPE ON MS4
DATA INPUT 1 2 2

FILE	1	RECORD	1	LENGTH	3084 BYTES
(0)	00000000	00000000	00000000	2911E0BA	413AD390 413A41EB C12F04C0 415F3622 000003E8 2911E0BA
(40)	413AD390	413A41EB	C13149C0	41605A39	000003E8 2911E0BA 413AD390 413A41EB C13149C0 41605A39
(80)	000003E8	2911E0BA	413AD390	413A41EB	C12F04C0 415F3622 000003E8 2911E0BB 413CF5B0 413A41EB
(120)	C12F04C0	41608B49	000003E8	2911E0BB	413CF5B0 413A41EB C12F04C0 41608B49 000003E8 2911E0BB
(160)	413CF5B0	413A41EB	C12F04C0	41608B49	000003E8 2911E0BB 413CF5B0 413A41EB C12F04C0 41608B49
(200)	000003E8	2911E0BB	413CF5B0	413A41EB	C13149C0 4161AB64 000003E8 2911E0BB 413CF5B0 413C7303
(240)	C13149C0	4162FE13	000003E8	2911E0BC	413AD390 413A41EB C12F04C0 415F3622 000003E8 2911E0BC
(280)	413AD390	413A41EB	C12F04C0	415F3622	000003E8 2911E0BC 413AD390 413A41EB C12F04C0 415F3622
(320)	000003E8	2911E0BC	413AD390	413C7303	C13149C0 4161B179 000003E8 2911E0BC 413AD390 413A41EB
(360)	C13149C0	41605A39	000003E8	2911E0BD	413AD390 413A41EB C13149C0 41605A39 000003E8 2911E0BD
(400)	413AD390	413A41EB	C13149C0	41605A39	000003E8 2911E0BD 413AD390 413A41EB C1338EC0 4161886C
(440)	000003E8	2911E0BD	413AD390	413A41EB	C1338EC0 4161886C 000003E8 2911E0BD 413AD390 413A41EB
(480)	C1338EC0	4161886C	000003E8	2911E0BD	413AD390 413A41EB C13149C0 41605A39 000003E8 2911E0BE
(520)	413AD390	413A41EB	C13149C0	41605A39	000003E8 2911E0BE 413AD390 413A41EB C13149C0 41605A39
(560)	000003E8	2911E0BE	413AD390	413C7303	C13149C0 4161B179 000003E8 2911E0BE 413CF5B0 413C7303
(600)	C13149C0	4162FE13	000003E8	2911E0BE	413CF5B0 413C7303 C12F04C0 4161E1DD 000003E8 2911E0BF
(640)	413CF5B0	413C7303	C13149C0	4162FE13	000003E8 2911E0BF 413CF5B0 413C7303 C13149C0 4162FE13
(680)	000003E8	2911E0BF	413CF5B0	413C7303	C13149C0 4162FE13 000003E8 2911E0BF 413CF5B0 413C7303
(720)	C13149C0	4162FE13	000003E8	2911E0BF	413CF5B0 413C7303 C13149C0 4162FE13 000003E8 2911E0BF
(760)	413CF5B0	413C7303	C13149C0	4162FE13	000003E8 2911E0C0 413CF5B0 413A41EB C13149C0 4161AB64
(800)	000003E8	2911E0C0	413AD390	413A41EB	C13149C0 41605A39 000003E8 2911E0C0 413CF5B0 413A41EB
(840)	C13149C0	4161AB64	000003E8	2911E0C0	413CF5B0 413A41EB C13149C0 4161AB64 000003E8 2911E0C0
(880)	413CF5B0	413A41EB	C13149C0	4161AB64	000003E8 2911E0C1 413CF5B0 413C7303 C13149C0 4162FE13
(920)	000003E8	2911E0C1	413CF5B0	413C7303	C13149C0 4162FE13 000003E8 2911E0C1 413CF5B0 413C7303
(960)	C13149C0	4162FE13	000003E8	2911E0C1	413CF5B0 413C7303 C12F04C0 4161E1DD 000003E8 2911E0C1
(1000)	413CF5B0	413C7303	C12F04C0	4161E1DD	000003E8 2911E0C1 413CF5B0 413C7303 C12F04C0 4161E1DD
(1040)	000003E8	2911E0C2	413CF5B0	413C7303	C12F04C0 4161E1DD 000003E8 2911E0C2 413F17DD 413C7303
(1080)	C12F04C0	41633993	000003E8	2911E0C2	413F17DD 413A41EB C12F04C0 4161E7B4 000003E8 2911E0C2
(1120)	413F17DD	413A41EB	C12F04C0	4161E7B4	000003E8 2911E0C2 413F17DD 413C7303 C12F04C0 41633993
(1160)	000003E8	2911E0C3	413F17DD	413C7303	C12F04C0 41633993 000003E8 2911E0C3 413F17DD 413C7303
(1200)	C12F04C0	41633993	000003E8	2911E0C3	413F17DD 413A41EB C12F04C0 4161E7B4 000003E8 2911E0C3
(1240)	413F17DD	413C7303	C12F04C0	41633993	000003E8 2911E0C3 413F17DD 413A41EB C12F04C0 4161E7B4
(1280)	000003E8	2911E0C3	413CF5B0	413A41EB	C12F04C0 41608B49 000003E8 2911E0C4 413CF5B0 413A41EB
(1320)	C12F04C0	41608B49	000003E8	2911E0C4	413F17DD 413A41EB C13149C0 416303D9 000003E8 2911E0C4
(1360)	413F17DD	413A41EB	C13149C0	416303D9	000003E8 2911E0C4 413CF5B0 413A41EB C13149C0 4161AB64
(1400)	000003E8	2911E0C4	413CF5B0	413A41EB	C13149C0 4161AB64 000003E8 2911E0C4 413F17DD 413A41EB
(1440)	C13149C0	416303D9	000003E8	2911E0C5	413F17DD 413A41EB C13149C0 416303D9 000003E8 2911E0C5
(1480)	413F17DD	41381DD2	C13149C0	4161BDD3	000003E8 2911E0C5 413F17DD 413A41EB C13149C0 416303D9
(1520)	000003E8	2911E0C5	413F17DD	413A41EB	C13149C0 416303D9 000003E8 2911E0C5 413CF5B0 413A41EB
(1560)	C13149C0	4161AB64	000003E8	2911E0C6	413CF5B0 413A41EB C13149C0 4161AB64 000003E8 2911E0C6
(1600)	413CF5B0	413A41EB	C12F04C0	41608B49	000003E8 2911E0C6 413CF5B0 413A41EB C12F04C0 41608B49
(1640)	000003E8	2911E0C6	413F17DD	413A41EB	C13149C0 416303D9 000003E8 2911E0C6 413F17DD 413A41EB
(1680)	C13149C0	416303D9	000003E8	2911E0C6	413CF5B0 413A41EB C13149C0 4161AB64 000003E8 2911E0C7
(1720)	413CF5B0	413A41EB	C13149C0	4161AB64	000003E8 2911E0C7 413CF5B0 413A41EB C12F04C0 41608B49
(1760)	000003E8	2911E0C7	413CF5B0	413A41EB	C12F04C0 41608B49 000003E8 2911E0C7 413CF5B0 413A41EB
(1800)	C12F04C0	41608B49	000003E8	2911E0C7	413CF5B0 413C7303 C12F04C0 4161E1DD 000003E8 2911E0C8
(1840)	413CF5B0	413C7303	C12F04C0	4161E1DD	000003E8 2911E0C8 413CF5B0 413C7303 C12F04C0 4161E1DD
(1880)	000003E8	2911E0C8	413CF5B0	413C7303	C12F04C0 4161E1DD 000003E8 2911E0C8 413AD390 413C7303
(1920)	C12F04C0	41609170	000003E8	2911E0C8	413CF5B0 413C7303 C12F04C0 4161E1DD 000003E8 2911E0C8
(1960)	413CF5B0	413C7303	C12F04C0	4161E1DD	000003E8 2911E0C9 413AD390 413C7303 C13149C0 4161B179
(2000)	000003E8	2911E0C9	413AD390	413C7303	C13149C0 4161B179 000003E8 2911E0C9 413AD390 413C7303
(2040)	C13149C0	4161B179	000003E8	2911E0C9	413AD390 413C7303 C13149C0 4161B179 000003E8 2911E0C9
(2080)	413CF5B0	413C7303	C13149C0	4162FE13	000003E8 2911E0CA 413CF5B0 413C7303 C12F04C0 4161E1DD
(2120)	000003E8	2911E0CA	413CF5B0	413C7303	C12F04C0 4161E1DD 000003E8 2911E0CA 413CF5B0 413C7303
(2160)	C12F04C0	4161E1DD	000003E8	2911E0CA	413CF5B0 413C7303 C13149C0 4162FE13 000003E8 2911E0CA

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(640)	C0829000	411FF4C5	C14ECAB0	41556A88	000003E8	291525E3	C0829000	411FF4C5	C1510FB0	41578399
(680)	000003E8	291525E3	C0829000	411DC3AC	C1510FB0	4156BCDB	000003E8	291525E3	C0606E00	411FF4C5
(720)	C1510FB0	4157574A	000003E8	291525E3	C0606E00	411DC3AC	C1510FB0	41569026	000003E8	291525E3
(760)	C0606E00	411DC3AC	C1510FB0	41569026	000003E8	291525E4	C0829000	411FF4C5	C1510FB0	41578399
(800)	000003E8	291525E4	C0829000	411FF4C5	C1510FB0	41578399	000003E8	291525E4	C0829000	411FF4C5
(840)	C1510FB0	41578399	000003E8	291525E4	C0A4B200	411FF4C5	C14ECAB0	4155A572	000003E8	291525E4
(880)	C0A4B200	411FF4C5	C14ECAB0	4155A572	000003E8	291525E5	C0829000	411FF4C5	C14ECAB0	41556A88
(920)	000003E8	291525E5	C0829000	411FF4C5	C14ECAB0	41556A88	000003E8	291525E5	C0A4B200	412225DD
(960)	C14ECAB0	41567CEB	000003E8	291525E5	C0A4B200	411FF4C5	C14ECAB0	4155A572	000003E8	291525E5
(1000)	C0A4B200	411FF4C5	C1510FB0	41578D1B	000003E8	291525E5	C0A4B200	411DC3AC	C1510FB0	4156F6E0
(1040)	000003E8	291525E6	C0A4B200	411DC3AC	C1510FB0	4156F6E0	000003E8	291525E6	C0A4B200	411DC3AC
(1080)	C1510FB0	4156F6E0	000003E8	291525E6	C0A4B200	411DC3AC	C14ECAB0	4154DA55	000003E8	291525E6
(1120)	C0A4B200	411DC3AC	C14ECAB0	4154DA55	000003E8	291525E6	C0A4B200	411DC3AC	C14ECAB0	4154DA55
(1160)	000003E8	291525E7	C0A4B200	411DC3AC	C14ECAB0	4154DA55	000003E8	291525E7	C0A4B200	411DC3AC
(1200)	C1510FB0	4156F6E0	000003E8	291525E7	C0A4B200	411B9294	C1510FB0	41563D21	000003E8	291525E7
(1240)	C0829000	411B9294	C1510FB0	4156029F	000003E8	291525E7	C0A4B200	411B9294	C14ECAB0	41541BEC
(1280)	000003E8	291525E7	C0A4B200	411B9294	C14ECAB0	41541BEC	000003E8	291525E8	C0A4B200	411B9294
(1320)	C1510FB0	41563D21	000003E8	291525E8	C0A4B200	411B9294	C1510FB0	41563D21	000003E8	291525E8
(1360)	C0A4B200	411B9294	C1510FB0	41563D21	000003E8	291525E8	C0A4B200	411B9294	C14ECAB0	41541BEC
(1400)	000003E8	291525E8	C0A4B200	411B9294	C14C85B0	4151FCA3	000003E8	291525E8	C0A4B200	411B9294
(1440)	C14ECAB0	41541BEC	000003E8	291525E9	C0A4B200	411B9294	C1510FB0	41563D21	000003E8	291525E9
(1480)	C0829000	411B9294	C1510FB0	4156029F	000003E8	291525E9	C0829000	411B9294	C1510FB0	4156029F
(1520)	000003E8	291525E9	C0A4B200	411B9294	C14ECAB0	41541BEC	000003E8	291525E9	C0A4B200	411DC3AC
(1560)	C1510FB0	4156F6E0	000003E8	291525EA	C0A4B200	411DC3AC	C1510FB0	4156F6E0	000003E8	291525EA
(1600)	C0829000	411DC3AC	C1510FB0	4156BCDB	000003E8	291525EA	C0829000	411DC3AC	C1510FB0	4156BCDB
(1640)	000003E8	291525EA	C0829000	411DC3AC	C1510FB0	4156BCDB	000003E8	291525EA	C0A4B200	411DC3AC
(1680)	C1510FB0	4156F6E0	000003E8	291525EA	C0829000	411DC3AC	C1510FB0	4156BCDB	000003E8	

FILE	1	# OF DATA RECORDS	4255	# SUCCESSFUL READS	4257	# SHORT RECORDS	0	# UNDEFINED ERRORS	0
	# PERMANENT READ ERRORS	0	# ZERO BYTE ERRORS	0					
	# OF RECORDS RETRIED	0	TOTAL # OF RETRIES	0					

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```

IEF2651 SYS77011.T093028.RV000.YZJRJN08.R0000062 DELETED
IEF2651 VOL SER NCS= K3SCR3.
IEF2851 SYS77011.T093028.RV000.YZJRJN08.S0000063 SYSIN
IEF2851 VOL SER NCS= K3SCR3.
IEF2851 SYS77011.T093028.RV000.YZJRJN08.S0000063 DELETED
IEF2851 VOL SER NCS= K3SCR3.
IEF3731 STEP /LINK / START 77011.0948
IEF3741 STEP /LINK / STOP 77011.0949 CPU OMIN 01.09SEC MAIN 130K LCS OK
- STEP 01 - RETURN CODE = 0000

```

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- SURCHARGES=(DRIVES ALOC=000,TAPE MOUNTS=000,CORE=000,PAPER=000,PRIORITY=00000)SECS. STEP TIME = .20 MINS=(CPU=.01,IO=.19)
XXGO EXEC PGM=*.LINK.SYSLMOD.CCND=(4,LT),REGION=70K 00000230 .00,CELL=.00,OTHR=.18
XXFT05F001 DD DDNAME=DATAS 00000240 TOTAL STP TIME= .20 MINS. -
XXFT06F001 DD SYSOUT=8OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=8BLKSIZE) 00000250
IEF6531 SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265)
XXFT07F001 DD SYSOUT=B,DCB=(RECFM=FB,BLKSIZE=7280,LRECL=80) 00000260
XXSYSPRINT DD SYSOUT=8OUT,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=8BLKSIZE). 00000270
IEF6531 SUBSTITUTION JCL - SYSOUT=A,DCB=(RECFM=VBA,LRECL=137,BLKSIZE=7265),
XX SPACE=(CYL,(0,1)),UNIT=(DISK,3) 00000280
XXSYSDUMP DD SYSOUT=A,SPACE=(CYL,(0,5)) 00000290
//GO.FT08F001 DD UNIT=3,TRACK,DISP=(OLD,KEEP),LABEL=(01,BLP,IN),
// LCE=(BLKSIZE=32000,RECFM=U,DEN=2),
// VOL=SER=JJ0057
//GC.DATAS CC *

```

```

IEF2361 ALLOC. FOR YZJRJN08 GO
IEF2371 231 ALLOCATED TO PGM=*.DD
IEF2371 231 ALLOCATED TO FT05F001
IEF2371 331 ALLOCATED TO FT06F001
IEF2371 333 ALLOCATED TO FT07F001
IEF2371 331 ALLOCATED TO SYSPRINT
IEF2371 231 ALLOCATED TO SYSPRINT
IEF2371 232 ALLOCATED TO SYSPRINT
IEF2371 333 ALLOCATED TO SYSDUMP
IEF2371 003 ALLOCATED TO FT08F001

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D-28832

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RECCD 1 OF FILE 1
LENGTH = 3084 BYTES

3084

0C0C0000	0CC00000	00000080	29BF1809	45186A00	45186A00	45186A00	45186A00	00000000	29BF1809
C0836A00	405A79F0	412D63D0	412E41BF	000003E8	29BF1809	C0836A00	40376860	412D63D0	412E41BF
000003E8	29BF1809	C0836A00	40376860	412D63D0	412E41BF	000003E8	29BF1809	C0836A00	40376860
412FA8D0	41307C5D	000003E8	29BF1809	C0836A00	40376860	412D63D0	412E41BF	000003E8	29BF1809
C0A58C00	405A79F0	412D63D0	412EE57A	000003E8	29BF1809	C0A58C00	40376860	412D63D0	412EAECE
000003E8	29BF1809	C0A58C00	40376860	412D63D0	412EAECE	000003E8	29BF1809	C0A58C00	40376860
412D63D0	412EAECE	000003E8	29BF1809	C0A58C00	40376860	412D63D0	412EAECE	000003E8	29BF1809
C0836A00	405A79F0	412D63D0	412E78EB	000003E8	29BF1809	C0836A00	405A79F0	412D63D0	412E78EB
000003E8	29BF1809	C0836A00	405A79F0	412D63D0	412E78EB	000003E8	29BF1809	C0836A00	405A79F0
412D63D0	412E78EB	000003E8	29BF1809	C0836A00	405A79F0	412D63D0	412E78EB	000003E8	29BF1809
C0A58C00	405A79F0	412D63D0	412EE57A	000003E8	29BF1809	C0A58C00	405A79F0	412D63D0	412EE57A
000003E8	29BF1809	C0836A00	405A79F0	412D63D0	412E78EB	000003E8	29BF1809	C0836A00	407D8870
412D63D0	412E78EB	000003E8	29BF1809	C0836A00	405A79F0	412D63D0	412E78EB	000003E8	29BF1809
C0836A00	405A79F0	412D63D0	412EE57A	000003E8	29BF1809	C0836A00	405A79F0	412D63D0	412E78EB
000003E8	29BF1809	C0836A00	405A79F0	412D63D0	412E78EB	000003E8	29BF1809	C0836A00	405A79F0
412D63D0	412E24A2	000003E8	29BF1809	C0836A00	405A79F0	412D63D0	412E24A2	000003E8	29BF1809
C0614800	40376860	412D63D0	412DEC11	000003E8	29BF1809	C0614800	40376860	412D63D0	412DEC11
000003E8	29BF1809	C0614800	40376860	412D63D0	412DEC11	000003E8	29BF1809	C0614800	40376860
412D63D0	412DEC11	000003E8	29BF1809	C0614800	40376860	412D63D0	412DEC11	000003E8	29BF1809
C03F2600	405A79F0	412FA8D0	413027DD	000003E8	29BF1809	C03F2600	405A79F0	412FA8D0	413027DD
000003E8	29BF1809	C03F2600	405A79F0	412D63D0	412DE925	000003E8	29BF1809	C03F2600	405A79F0
412D63D0	412DE925	000003E8	29BF1809	C03F2600	405A79F0	412D63D0	412DE925	000003E8	29BF1809
C03F2600	405A79F0	412FA8D0	413027DD	000003E8	29BF1809	C03F2600	405A79F0	412FA8D0	413027DD
000003E8	29BF1809	C01D0300	405A79F0	412FA8D0	41300728	000003E8	29BF1809	C01D0300	405A79F0
412FA8D0	41300728	000003E8	29BF1809	C01D0300	405A79F0	412FA8D0	41300728	000003E8	29BF1809
C01D0300	40376860	412FA8D0	412FD1C8	000003E8	29BF1809	C01D0300	405A79F0	412FA8D0	41300728
000003E8	29BF1809	3F51F000	405A79F0	412FA8D0	412FFEEA	000003E8	29BF1809	3F51F000	405A79F0
412FA8D0	412FFEEA	000003E8	29BF1809	3F51F000	405A79F0	412D63D0	412DBDEC	000003E8	29BF1809
3F51F000	405A79F0	412D63D0	412DBDEC	000003E8	29BF1809	3F51F000	405A79F0	412D63D0	412DBDEC
000003E8	29BF1809	C01D0300	405A79F0	412D63D0	412CC6D5	000003E8	29BF1809	C01D0300	407D8870
412D63D0	412CC6D5	000003E8	29BF1809	412D63D0	412DBDEC	000003E8	29BF1809	412D63D0	412DBDEC
3F51F000	405A79F0	412D63D0	412DBDEC	000003E8	29BF1809	3F51F000	405A79F0	412D63D0	412DBDEC
000003E8	29BF1809	412D63D0	412DBDEC	000003E8	29BF1809	412D63D0	412DBDEC	000003E8	29BF1809
412D63D0	412DBDEC	000003E8	29BF1809	412D63D0	412DBDEC	000003E8	29BF1809	412D63D0	412DBDEC
3F51F000	405A79F0	412D63D0	412DBDEC	000003E8	29BF1809	3F51F000	405A79F0	412D63D0	412DBDEC

000003E8	29C5C7C9	C130BF20	41430E4D	C0DF6A00	41540B6B	000003E8	29C5C7CA	C130EF20	4143064D
C1103BA0	4154738A	000003E8	29C5C7CA	C132E140	41430640	C1103BA0	4155B34F	000003E8	29C5C7CA
C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CA	C130BF20	4143064D	C1103BA0	4154738A
000003E8	29C5C7CA	C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CB	C130BF20	4143064D
C1103BA0	4154738A	000003E8	29C5C7CB	C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CB
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000003E8	29C5C7CB	C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CB	C130BF20	4143064D
C11280A0	4154738A	000003E8	29C5C7CC	C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CC
C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CC	C130BF20	4143064D	C1103BA0	4154738A
000003E8	29C5C7CC	C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CC	C130BF20	4143064D
C1103BA0	4154738A	000003E8	29C5C7CD	C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CD
C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CD	C130BF20	4143064D	C1103BA0	4154738A
000003E8	29C5C7CD	C130BF20	4143064D	C1103BA0	4154738A	000003E8	29C5C7CD	C130BF20	4143064D
C0DF6A00	4154738A	000003E8	29C5C7CE	C130BF20	4143064D	C0DF6A00	41540B6B	000003E8	29C5C7CE
C12E9D00	41453765	C0DF6A00	41549BE4	000003E8	29C5C7CE	C12E9D00	41453765	C0DF6A00	41549BE4
000003E8	29C5C7CE	C12E9D00	4143064D	C1103BA0	41533CFA	000003E8	29C5C7CE	C12E9D00	4143064D
C1103BA0	41550352	000003E8	29C5C7CE	C12E9D00	41533CFA	C1103BA0	41550352	000003E8	29C5C7CE
C12E9D00	41453765	C1103BA0	41550352	000003E8	29C5C7CE	C12E9D00	41453765	C1103BA0	41550352
000003E8	29C5C7CF	C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7CF	C130BF20	41453765
C1103BA0	4156337E	000003E8	29C5C7CF	C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7CF
C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7D0	C130BF20	41453765	C1103BA0	4156337E
000003E8	29C5C7D0	C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7D0	C130BF20	41453765
C1103BA0	4156337E	000003E8	29C5C7D0	C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7D0
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000003E8	29C5C7D1	C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7D1	C130BF20	41453765
C1103BA0	4156337E	000003E8	29C5C7D1	C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7D1
C132E140	41453765	C1103BA0	4156337E	000003E8	29C5C7D2	C132E140	41453765	C1103BA0	4156337E
000003E8	29C5C7D2	C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7D2	C130BF20	41453765
C1103BA0	4156337E	000003E8	29C5C7D2	C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7D2
C130BF20	41453765	C1103BA0	4156337E	000003E8	29C5C7D3	C130BF20	41453765	C1103BA0	4156337E
000003E8	29C5C7D3	C132E140	41453765	C11280A0	4157DFFD	000003E8	29C5C7D3	C132E140	41453765
C11280A0	4157DFFD	000003E8	29C5C7D3	C132E140	4157DFFD	000003E8	29C5C7D3	C132E140	4157DFFD
C132E140	41453765	C11280A0	4157DFFD	000003E8	29C5C7D3	C132E140	41453765	C11280A0	4157DFFD
000003E8									

3/21/68

1712 RECORDS IN FILE 1 OF TAPE

IEF1421 - STEP WAS EXECUTED - CONC CODE 0000
 IEF2851 SYS77011.T093028.RV000.YZJRJN08.LCCMCD PASSED
 IEF2851 VOL SER ACS= K3SCR2.
 IEF2851 SYS77011.T093028.RV000.YZJRJN08.S0000069 SYSIN
 IEF2851 VOL SER ACS= K3SCR2.
 IEF2851 SYS77011.T093028.RV000.YZJRJN08.S0000069 DELETED
 IEF2851 VOL SER ACS= K3SCR2.
 IEF2851 SYS77011.T093028.SV000.YZJRJN08.R0000064 SYSOUT
 IEF2851 VOL SER ACS= K3SCR4.
 IEF2851 SYS77011.T093028.SV000.YZJRJN08.R0000065 DELETED
 IEF2851 VOL SER ACS= K3SCR5.
 IEF2851 SYS77011.T093028.SV000.YZJRJN08.R0000066 DELETED
 IEF2851 VOL SER ACS= K3SCR4.
 IEF2851 SYS77011.T093028.SV000.YZJRJN08.R0000067 DELETED
 IEF2851 VOL SER ACS= K3SCR5.
 IEF2851 SYS77011.T093028.RV000.YZJRJN08.R0000068 KEPT
 IEF2851 VOL SER ACS= J10057.

IEF280E K CD3.JJCC57.YZJRJN08.GD
 IEF3731 STEP /GC / START 77011.0949
 IEF3741 STEP /GC / STOP 77011.0955 CPU 0MIN 08.05SEC MAIN 186K LGS 0K
 - STEP 02 - RETURN CODE = 0000

IO IN SECS. DISK= 2.25.DRUM= .00.TAPE= .74 MINS=(CPU= .13.10=.61)
 SURCHARGES=(DRIVES ALOC=000.TAPE MOUNTS=000.CORE=000.PAPER=000.PRIORITY=00000)SECS. TOTAL STP TIME= .74 MINS.
 IEF2851 SYS77011.T093028.RV000.YZJRJN08.LCCMCD DELETED
 IEF2851 VOL SER ACS= K3SCR2.

IEF3751 JOB /YZJRJN08/ START 77011.0948
 IEF3761 JOB /YZJRJN08/ STOP 77011.0955 CPU 0MIN 09.1ESEC
 - SYSTEM=REL218 (67-04-76) K3
 - JOB 0014-

IO IN SECS. DISK= 13.90.DRUM= .00.TAPE= .95 MINS=(CPU= .15.10=.80)
 SURCHARGES=(DRIVES ALOC=000.TAPE MOUNTS=000.CORE=000.PAPER=000.PRIORITY=00000)SECS. TOTAL JOB TIME= .95 MINS.
 THERE WERE 01 TAPES MOUNTED FOR THIS JOB. TAPE MOUNT CHARGE WAS 00.0 MINUTES.