[redacted]

#27~~#~~5

OGO-4

RUBIDIUM MAGNETIC FIELD DATA

67-073A-06A

2 [redacted] tapes

[redacted]

DSI 4

RIBIDIUM MAGNETIC FIELD DATA

67-073A-06A

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ELEVEN 9-TRACK, 1600 BPI TAPES WRITTEN IN BINARY. THERE ARE TWO RESTORED TAPES. THE ORIGINAL TAPES WERE CREATED ON AN IBM 360/91 COMPUTER. THE DR AND DS TAPES ARE 9-TRACK, 6250 BPI. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR01537	DS01537	D15111	1	07/29/67 - 09/07/67
		D15112	2	09/07/67 - 10/14/67
		D15113	3	10/14/67 - 11/27/67
		D15114	4	11/27/67 - 12/25/67
		D15115	5	12/27/67 - 02/04/68
		D15116	6	02/04/68 - 03/15/68
		D15117	7	03/15/68 - 04/28/68
DR01538	DS01538	D15118	1	04/28/68 - 07/05/68
		D15119	2	07/05/68 - 09/05/68
		D15120	3	09/05/68 - 11/12/68
		D15121	4	11/12/68 - 01/19/69

OGO-4 Magnetic Field Tape Library

Tape No.	Start Time Day	Start Time MJD	Approx. MS	Stop Time Day	Stop Time MJD	Approx. MS
OF0041	7/29/67	39700	22933400	9/7/67	39740	22133100
OF0042	9/7/67	39740	22133600	10/14/67	39777	67695700
OF0043	10/14/67	39777	67695700	11/27/67	39821	58137400
OF0044	11/27/67	39821	58137400	12/27/67	39851	57012400
OF0045	12/27/67	39851	57262400	2/4/68	39890	84998200
OF0046	2/4/68	39890	84998200	3/15/68	39930	2182800
OF0047	3/15/68	39930	2219300	4/28/68	39974	77025400
OF0052	4/28/68	39974	77025400	7/5/68	40042	72277800
OF0048	7/5/68	40042	72777300	9/5/68	40104	52565600
OF0049	9/5/68	40104	53061100	11/12/68	40172	72902700
OF0050	11/12/68	40172	72903200	1/19/69	40240	44192000

360/91 POGO MAGNETIC FIELD TAPE FORMAT

Data Tape: 9 Track Binary, Fortran Generated, Standard Labelled, Density = 1600 BPI

Data Record: 7294 Bytes/1823 1/2 words

Sample Read:

```
      Dimension B(1820)
      Integer*2 IVAR
                .
                .
                .
                .
      Read(10, END = 100) MJD, ITMBAS, DELTAT, B, IVAR
      NMPTS = 1820-IVAR
      DO 50 IPT = 1, NMPTS
      INCR = (IPT-1) *DELTAT + 0.5
      ITIME = ITMBAS + INCR
      BVAL = B(IPT)
                .
                .
                .
                .
   50 continue
```

Comments: In the sample read above, NMPTS is the number of scalar field values in the sample record, MJD is the modified julian day for the first field value in the sample record, ITIME is the time in milliseconds on modified julian day number MJD of the IPT 'th data value, BVAL is the IPT'th field value in the record, and DELTAT is the floating point difference in milliseconds between successive field values. See the following data record description.

Data Record Description:

Word No.	Description	Format	Comments
1	modified julian day of 1st data point in record	INTEGER*4	The modified julian day number of a given day is obtained by linearly counting, using 15019 as the base day number for January 0, 1900. See attached sheet for examples.
2	time in milliseconds (on the modified julian day number in word 1) of the 1st data value in record	INTEGER*4	e.g. NOON = 43200000
3	difference in milliseconds between successive data values in record	REAL*4	normally equals 500.0 or 1000.0 for OGO D

Word No.	Description	Format	Comments
4-1823	1820 data values	REAL*4	0.0 denotes padded data value
1824	half word variable denoting number of padded data values at end of data record	INTEGER*2	i.e. number of values in record = 1820 minus this 1/2-word

Tape Description: Successive records on these tapes are identical in format. 1820 magnetic field values are packed into each record. Floating point zeros indicate padded words. Each tape ends with one end of file.

NEW

JCL:

```
//GO.FT10F001 DD DSN=ENCYOF, Unit=(2400,,
// DEFER), LABEL=(1,SL), DISP = (OLD, KEEP),
// DCB=(RECFM=VBS,LRECL=7298,BLKSIZE=7302,
// DEN=3), VOL=SER=OF0041
```

Selected Modified Julian Days

DATE	DAY OF YEAR	MJD
1-1-1900	1	15020
10-14-65	287	39047
11-1-65	305	39065
12-1-65	335	39095
1-1-66	1	39126
2-1-66	32	39157
3-1-66	60	39185
4-1-66	91	39216
5-1-66	121	39246
6-1-66	152	39277
7-1-66	182	39307
8-1-66	213	39338
9-1-66	244	39369
10-1-66	274	39399
11-1-66	305	39430
12-1-66	335	39460
1-1-67	1	39491
2-1-67	32	39522
3-1-67	60	39550
4-1-67	91	39581
5-1-67	121	39611
6-1-67	152	39642
7-1-67	182	39672
8-1-67	213	39703
9-1-67	244	39734
10-1-67	274	39764
11-1-67	305	39795
12-1-67	335	39825
1-1-68	1	39856
2-1-68	32	39887
3-1-68	61	39916
4-1-68	92	39947
5-1-68	122	39977
6-1-68	153	40008
7-1-68	183	40038
8-1-68	214	40069
9-1-68	245	40100
10-1-68	275	40130
11-1-68	306	40161
12-1-68	336	40191
1-1-69	1	40222
2-1-69	32	40253
3-1-69	60	40281
4-1-69	91	40312
5-1-69	121	40342
6-1-69	152	40373
7-1-69	182	40403
8-1-69	213	40434
9-1-69	244	40465
10-1-69	274	40495
11-1-69	305	40526
12-1-69	335	40556
1-1-70	1	40587
2-1-70	32	40618
3-1-70	60	40646
4-1-70	91	40677
5-1-70	121	40707
6-1-70	152	40738
7-1-70	182	40768
8-1-70	213	40799
9-1-70	244	40830
10-1-70	274	40860
11-1-70	305	40891
12-1-70	335	40921

```
*************************************************
    STANDARD LABEL DUPE OF UF0041 ONTO Z1252
*************************************************
```

THE FOLLOWING FILES WERE COPIED :

DSNAME	VOLSEQ	DSSEQ	RECFM	LRECL	BLKSIZ	BLKCNT
ENCYOF	0001	0001	V	07298	07302	2509

END OF VOLUME. DUPE COMPLETED.

RECORD 1 OF FILE 2
LENGTH = 7302 BYTES

39700

1C860000	1C820000	00009B14	015DEFC4	431F4000	449A8940	00000000	449AA180	00000000	449A8A00
00000000	449AD2C0	00CC00C0	449AEB40	00000000	449B03C0	00000000	449B1C80	00000000	449B34E0
00000000	449B4D80	00000000	449B6580	00000000	449B7DC0	00000000	449B9640	00000000	449BAEC0
00000000	449BC6C0	00000000	449BDEC0	00000000	449BF700	00000000	449C0F00	00000000	449C2700
00000000	449C3F80	00000000	449C5700	00000000	449C6F80	00000000	449C8700	449C92C0	449C9F00
449CAAC0	449CB700	449CC2C0	449CCE40	449CDAC0	449CE640	449CF240	449CFDC0	449D09C0	449D15C0
449D2180	449D2D40	449D3980	449D4500	449D5080	449D5C80	449D6800	449D7400	449D7FC0	449D8BC0
449D9740	449DA2C0	449DAE80	449DBA40	449DC600	449DD200	449DDD00	449DE900	449DF4C0	449E0040
449E0BC0	449E1740	449E2340	449E2E80	449E3A00	449E4600	449E5140	449E5CC0	449E6840	449E7400
449E7F80	449E8B00	449E96C0	449EA280	449EADC0	449EB940	449EC480	449ED080	449EDB80	449EE6C0
449EF240	449EFD80	449F0980	449F1480	449F2040	449F2B40	449F3680	449F4200	449F4D40	449F5840
449F6400	449F6F00	449F7A40	449F8540	449F90C0	449F9C00	449FA740	449FB2C0	449FBD80	449FC900
449FD3C0	449FDF40	449FEA80	449FF540	44A000C0	44A00880	44A01700	44A02200	44A02D40	44A03880
44A04300	44A04E40	44A05980	44A06480	44A06F40	44A07A80	44A08500	44A09040	44A09B8C	44A0A6C0
44A0B140	44A0BC00	44A0C6C0	44A0D1C0	44A0DC80	44A0E740	44A0F280	44A0FD80	44A10840	44A11300
44A11DC0	44A12880	44A13300	44A13E40	44A14880	44A153C0	44A15E00	44A168C0	44A17340	44A17EC0
44A188C0	44A19380	44A19E40	44A1A900	44A1B3C0	44A1BE00	44A1C900	44A1D340	44A1DD80	44A1E8C0
44A1F280	44A1FD40	44A20800	44A212C0	44A21D00	44A227C0	44A23200	44A23C40	44A24700	44A25140
44A25B80	44A26600	44A27C80	44A27B00	44A28540	44A29000	44A299C0	44A2A400	44A2AEC0	44A2B9C0
44A2C340	44A2CD80	44A2D7C0	44A2E240	44A2EC00	44A2F6C0	44A30080	44A30B00	44A314C0	44A31F00
44A32940	44A33340	44A33DC0	44A34740	44A35180	44A35B80	44A365C0	44A36F80	44A379C0	44A383C0
44A38E00	44A39800	44A3A1C0	44A3AB80	44A3B5C0	44A3BF40	44A3C980	44A3D380	44A3DD40	44A3E740
44A3F100	44A3FAC0	44A404C0	44A40F00	44A41880	44A422C0	44A42C00	44A43600	44A43F40	44A44940
44A45300	44A45C80	44A46640	44A46FC0	44A479C0	44A48340	44A48D00	44A496C0	44A4A040	44A4A9C0
44A4B380	44A4BD00	44A4C600	44A4CFC0	44A4D9C0	44A4E2C0	44A4EC00	44A4F580	44A4FF00	44A50880
44A511C0	44A51BC0	44A52500	44A52E00	44A53780	44A54080	44A54A00	44A55380	44A55C40	44A56580
44A56F40	44A57840	44A58180	44A58AC0	44A59380	44A59D80	44A5A680	44A5AF80	44A5B880	44A5C180
44A5CAC0	44A5D400	44A5DCC0	44A5E600	44A5EEC0	44A5F800	44A600C0	44A60A00	44A61280	44A61B80
44A62480	44A62E00	44A63680	44A63F00	44A64800	44A65100	44A65A00	44A662C0	44A66B40	44A67440
44A67D40	44A685C0	44A68EC0	44A69700	44A6A040	44A6A900	44A6B180	44A6BA00	44A6C280	44A6CB40
44A6D3C0	44A6DC40	44A6E4C0	44A6ED80	44A6F600	44A6FEC0	44A70700	44A70FC0	44A717C0	44A72C80
44A72900	44A731C0	44A739C0	44A74200	44A74A80	44A75280	44A75A40	44A76300	44A76B40	44A77380
44A77BC0	44A78380	44A78C40	44A79440	44A79C40	44A7A480	44A7AC80	44A7B4C0	44A7BCC0	44A7C580
44A7CD80	44A7D5C0	44A7DD40	44A7E580	44A7EDC0	44A7F580	44A7FD80	44A805C0	44A80D40	44A81580
44A81D40	44A82500	44A82D00	44A83500	44A83D00	44A84440	44A84C40	44A85440	44A85BC0	44A863E0
44A86B40	44A87300	44A87A80	44A88200	44A88A00	44A89180	44A89900	44A8A0C0	44A8A880	44A8BC40
44A8B800	44A8BEC0	44A8C700	44A8CDC0	44A8D600	44A8DCC0	44A8E480	44A8EBC0	44A8F300	44A8FA80
44A90280	44A90980	44A91100	44A91800	44A91F80	44A92700	44A92E40	44A93580	44A93C40	44A943C0
44A94B40	44A95240	44A95980	44A96C0	44A96800	44A96F00	44A975C0	44A97D40	44A98440	44A98B40
44A99280	44A99980	44A9A080	44A9A780	44A9AE40	44A9B540	44A9BC00	44A9C300	44A9C940	44A9D0C0
44A9D780	44A9DE00	44A9E5C0	44A9EC00	44A9F280	44A9F900	44AA0000	44AA06C0	44AA0D80	44AA1400
44AA1AC0	44AA2140	44AA2800	44AA2E80	44AA3540	44AA3BC0	44AA4280	44AA4900	44AA4FC0	44AA5680
44AA5CC0	44AA63C0	44AA6980	44AA7000	44AA76C0	44AA7D80	44AA83C0	44AA8A40	44AA9000	44AA96C0
44AA9D40	44AAA380	44AAA9C0	44AAB000	44AAB6C0	44AABCC0	44AAC300	44AAC940	44AACF80	44AAD600
44AADC00	44AAE280	44AAE8C0	44AAEE80	44AAF4C0	44AAFB00	44AB0140	44AB0740	44AB0DC0	44AB1340
44AB1940	44AB1F40	44AB25C0	44AB2B40	44AB31C0	44AB3740	44AB3D80	44AB4340	44AB4940	44AB4F40
44AB54C0	44AB5B00	44AB60C0	44AB6700	44AB6CC0	44AB7280	44AB7840	44AB7E00	44AB8380	44AB8940
44AB8F00	44AB94C0	44AB9A80	44ABA040	44ABA640	44ABAC00	44ABB140	44ABB700	44ABBD00	44ABC240
44ABC780	44ABCDC0	44ABD340	44ABD880	44ABDE00	44ABE3C0	44ABE880	44ABEE00	44ABF3C0	44ABF980
44ABFE80	44AC03C0	44AC0940	44AC0F00	44AC13C0	44AC1940	44AC1E80	44AC2400	44AC2940	44AC2E80
44AC3400	44AC3900	44AC3EC0	44AC4380	44AC4900	44AC4E40	44AC5340	44AC5880	44AC5E00	44AC6340
44AC6840	44AC6D80	44AC7240	44AC7780	44AC7C80	44AC81C0	44AC86C0	44AC8B80	44AC9100	44AC9600
44AC9AC0	44ACA040	44ACA540	44ACAA00	44ACAF00	44ACB40C	44ACB8C0	44ACBDC0	44ACC240	44ACC740
44ACCC00	44ACD100	44ACD600	44ACDB00	44ACDFC0	44ACE440	44ACE940	44ACEE40	44ACF30C	44ACF780
44ACFC00	44AD0100	44AD0580	44AD0A80	44AD0F00	44AD1380	44AD1880	44AD1D00	44AD2180	44AD2640
44AD2B40	44AD2F40	44AD3440	44AD38C0	44AD3D40	44AD41C0	44AD4640	44AD4AC0	44AD4F40	44AD53C0
44AD58A0	44AD5CC0	44AD6140	44AD65C0	44AD6A40	44AD6EC0	44AD73C0	44AD7740	44AD7BC0	44AD7EC0

7/29/67 - 9/07/67

DUPE of OF0041

D-15111 Z 1252
C-11681