#603

OAO-3

Reduced Data Tapes

72-065A-02A

DAD 3

REDUCED DATA TAPES

72-065A-02A

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED 28 9-TRACK, 800 BPI TAPES WRITTEN IN BINARY. THERE ARE FOUR RESTORED TAPES. THE DR AND DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON AN IBM 360/65 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
DR02478	DS02478	D43702	1-100	08/25/72 - 11/07/72
		D43703	101-175	11/07/72 - 01/27/73
		D43704	176-287	01/27/73 - 04/29/73
		D43705	288-339	04/29/73 - 07/06/73
		D43706	340-382	07/06/73 - 09/29/73
		D43707	383-417	10/01/73 - 01/15/74
		D43708	418-474	01/21/74 - 05/13/74
		D43709	475-557	05/13/74 - 08/17/74
		D43710	558-648	08/18/74 - 11/17/74
		D43711	649-723	11/17/74 - 02/11/75
DR02479	DS02479	D43712	1-80	02/11/75 - 05/16/75
		D43713	81-165	05/17/75 - 09/04/75
		D43714	166-269	09/15/75 - 01/07/76
		D43715	270-391	01/07/76 - 04/11/76
		D43716	392-521	04/11/76 - 07/27/76
		D43717	522-660	07/27/76 - 10/22/76
DR02480	DS02480	D43718	1-125	10/22/76 - 02/04/77
		D43719	126-230	02/04/77 - 05/30/77
		D43720	231-345	05/30/77 - 08/31/77
		D43721	346-462	09/01/77 - 02/07/78
		D43722	463-624	02/07/78 - 06/05/78
		D43723	625-746	06/06/78 - 11/04/78
DR02481	DS02481	D43724	1-92	11/04/78 - 12/31/78
		D43725	93-174	03/06/79 - 06/30/79
		D43726	175-260	06/30/79 - 11/13/79
		D43727	261-382	11/13/79 - 05/20/80
		D43728	383-548	05/13/80 - 10/14/80
		D43729	549-584	10/14/80 - 12/14/80

REQ. AGENT	RAND NO.	ACQ. AGENT
DAD	V0197	MCL

OAO-3

REDUCED DATA TAPES

72-065A-02A

This data set catalog consists of 28 OAO-3 data tapes. The tapes are 800 BPI, Binary, 9 track and have multi-files. The tapes were created on a IBM 360/65 computer. Data is all in a continuous time sequence from tape #1 forward covering the interval from 8/72 - 12/80. The time spans and the number of files are as follows:

D#	C#	FILES	TIME SPAN
D-43702	C-23215	100	08/25/72 - 11/07/72
D-43703	C-23216	75	11/07/72 - 01/27/73
D-43704	C-23217	112	01/27/73 - 04/29/73
D-43705	C-23218	52	04/29/73 - 07/06/73
D-43706	C-23219	43	07/06/73 - 09/29/73
D-43707	C-23220	35	10/01/73 - 01/05/74
D-43708	C-23221	57	01/21/74 - 05/13/74
D-43709	C-23222	83	05/13/74 - 08/17/74
D-43710	C-23223	91	08/18/74 - 11/17/74
D-43711	C-23224	75	11/17/74 - 02/11/75
D-43712	C-23225	80	02/11/75 - 05/16/75
D-43713	C-23226	85	05/17/75 - 09/04/75
D-43714	C-23227	104	09/15/75 - 01/07/76
D-43715	C-23228	122	01/07/76 - 04/11/76
D-43716	C-23229	130	04/11/76 - 07/27/76
D-43717	C-23230	139	07/27/76 - 10/22/76
D-43718	C-23231	125	10/22/76 - 02/04/77
D-43719	C-23232	105	02/04/77 - 05/30/77
D-43720	C-23233	115	05/30/77 - 08/31/77
D-43721	C-23234	117	09/01/77 - 02/07/78
D-43722	C-23235	162	02/07/78 - 06/05/78
D-43723	C-23236	122	06/06/78 - 11/04/78
D-43724	C-23237	92	11/04/78 - 12/31/78
D-43725	C-23238	82	03/06/78 - 06/30/79
D-43726	C-23239	86	06/30/78 - 11/13/79
D-43727	C-23240	122	11/13/79 - 05/12/80
D-43728	C-23241	166	05/13/80 - 10/14/80
D-43729	C-23242	38	10/14/80 - 12/14/80

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INFORMATION ON UCL/OAO-C REDUCED DATA TAPES

by

J. D. EWART

UCL Office,
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Goddard Space Flight Center,
17 May 1974.

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UCL/OAO-C REDUCED DATA TAPES

The following notes are intended to provide details of the format of magnetic tapes containing digitized data from the University College London Stellar X-Ray Experiment on the Copernicus Satellite.

The seven-track tapes contain from one through ~~twentyfive~~ 250 files of data, depending on the time-span covered. Sample JCL, as used on the IBM 360/65 computer which produces the tapes, is shown:

```
//GO.FT25F001 DD UNIT=(2400-2,,DEFER),DISP=(OLD,PASS),
//              DCB=(RECFM=F,TRTCH=C,LRECL=1128,BLKSIZE=1128,DEN=1),
//     DSNAME=DECK,LABEL=(1,BLP),VOL=(PRIVATE,RETAIN,,SER=RDT001)
//GO.FT25F002 DD UNIT=(2400-2,,DEFER),DISP=(OLD,PASS),
//     LABEL=(2,BLP),VOLUME=REF *.FT25F001,DCB=*.FT25F001,DSNAME=DECK
                                  .
                                  .
                                  .
                                  .
                                  .
//GO.FT25F025 DD UNIT=(2400-2,,DEFER),DISP=(OLD,PASS),
//     LABEL=(25,BLP),VOLUME=REF *.FT25F001,DCB=*.FT25F001,DSNAME=DECK
```

The tapes are read and written by FORTRAN routines using a 47-element I*2 array called MD. There are two types of record used; the first is known as a HEADER record, the second as a DATA record.

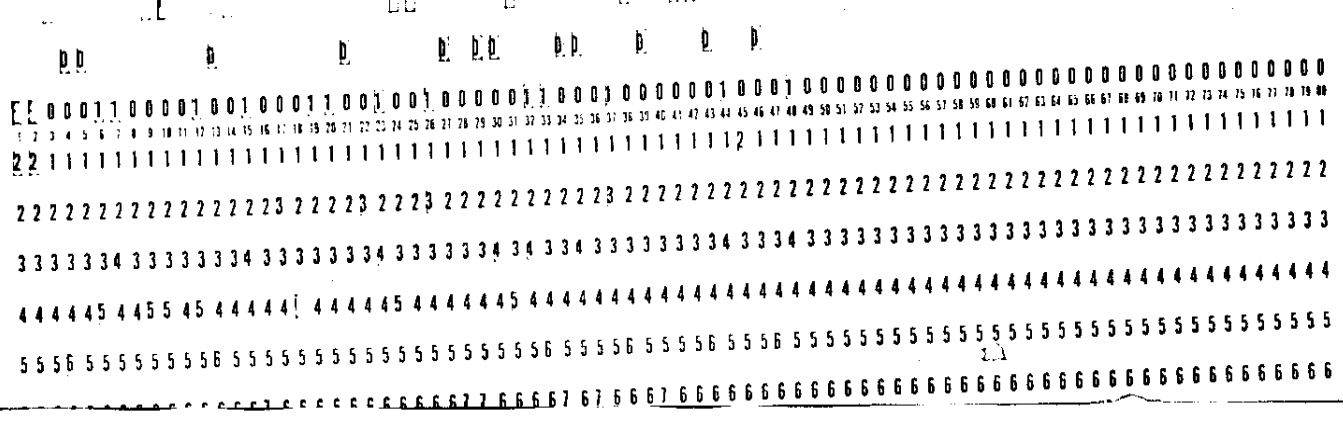
A typical tape might contain many hundreds of DATA records, and perhaps ten or twenty HEADER records. The HEADER record generally signifies the start of data from a new pointing.

The following pages show a breakdown of each type of record.

JCL FOR IBM 360/65 (RDTLIB TAPES) USED TO MERGE 10 7TK TAPES AS DESCRIBED ABOVE ON TO 1 9TK TAPE

```
// LABEL=(&OUTFILE,BLP,,OUT)
// VOL=(PRIVATE,RETAIN,SER=&OUTAPE),
//OUTPUT DD UNIT=2400-9,DISP=(NEW,KEEP),DCB=DEN=2,
// DCB=(TRTCH=C,DEN=1)
//INPUT DD UNIT=2400-2,DISP=OLD,VOL=SER=&INTAPE,
```

CARD ORDER →



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HEADER RECORD

MD (1) literals 'HE'
MD (2) literals 'AD' } recognition symbols for new targets

MD (3) not used

MD (4) day of month
MD (5) year
MD (6) day of year } date of data

MD (7) 'AL'
MD (8) 'FH'
MD (9) 'A '
MD(10) 'BO'
MD(11) 'OT'
MD(12) 'IS' } literals giving name of target (example shows ALPHA BOOTIS)

MD(13) through MD(47) not used

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DATA RECORD

MD (1) hours
MD (2) minutes
MD (3) seconds

UT of start of data frame (integration period)
one I/P is 64 spacecraft seconds (approx 62.9secs)

MD (4) 'orbital address' of I/P, an integer from 00 through 63

MD (5) constraint symbol, a literal character from the following:

blank = no constraint
E = observation through the atmosphere
/ = pointing at the sunlit earth
D = pointing at the dark earth
A = spacecraft in the South Atlantic Anomaly region
S = pointing near the Sun
M = pointing near the Moon
N = observation during spacecraft night

MD (6) 'count acceptance period', from 000 through 127 spacecraft half-seconds. If this is not zero, it indicates the length of time the experiment was counting before one of the scalers filled. (only on very streng X-Ray sources)

MD (7) 1-3Å detector counts (0 through 4095)
MD (8) 3-9Å " " "
MD (9) 6-18Å " " "
MD(10) CPM " " "

MD(11) background shutter position (0='background', 1='stellar')

MD(12) pulse height analyser fed from: 2= 1-3Å
1= 3-9Å
3=6-18Å

MD(13) PHA channel 1 counts (0 through 4095)
MD(14) " " 2 " "
MD(15) " " 3 " "
MD(16) " " 4 " "
MD(17) " " 5 " "
MD(18) " " 6 " "

MD(19) 1-3Å Guard counts (0 through 4095)
MD(20) 3-9Å " " "
MD(21) 6-18Å " " "

MD(22) 1-3Å sensitivity (0=low, 1=high)
MD(23) 3-9Å " "
MD(24) 6-18Å " "

MD(25) 1-3Å pulse shape discriminator speed (0=slow, 1=fast)
MD(26) 1-3Å pulse shape discriminator mode (0=on, 1=off)

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DATA RECORD (continued)

MD(27) 1-3Å detector high tension (0=off, 1=on)
MD(28) 3-9Å " " " "
MD(29) 6-18Å " " " "
MD(30) CPM high tension "

MD(31) experiment heater (0=off, 1=on)

MD(32) background alternate mode (0=off, 1=on)

MD(33) low voltage (0=off, 1=on)
MD(34) low voltage power supply selected (0=supply B, 1=supply A)

MD(35) iris selected (1, 2, 3 or 4)

MD(36) filter selected (1, 2, 3 or 4)

MD(37) analog telemetry group (0=group B, 1=group A)

MD(38) operating mode (0=normal, 1=calibrate)

MD(39) startracker Y axis count (00 through 31)
MD(40) " Z " " "

MD(41) analog telemetry word 1
MD(42) " " " 2
MD(43) " " " 3
MD(44) " " " 4
MD(45) " " " 5

MD(46) day of year
MD(47) year

D-43703
9/17/72 - 1/27/73

DUMP OF TAPE DOUT2

INPUT TAPE DOUT2 ON TU1
DATA INPUT H9 NF 75 SR 1 1 1 SR 75 LAST 1

FILE 1 RECORD 1 LENGTH 1128BYTES

(0)	C8C5C1C4	000B0007	07B40138	E2D3C5E6	40404040	40404040	06C6E6D9	D5D37B00	90EDF258	187F58A0
(40)	E00458F0	729895FF	F07C4780	70285820	F06C07F2	D23FF07C	72585820	F0C44130	000805D2	50E07258
(80)	050100FF	47F0716C	D2012000	730A0014	002B001F	001D0001	00000000	00000000	00000001	00010000
(120)	00000000	00000000	00000000	00000000	00010001	00010001	00010000	00000000	00000000	00000000
(160)	00010002	00040000	00000000	00000501	00FF47F0	716CD201	013807B4	0014002C	003A001E	00010000
(200)	00000000	00000000	00010001	00000000	00000000	00000000	00000000	00000001	00010001	00010001
(240)	00000000	00000000	00000000	00000001	00020004	00000000	00000000	050100FF	47F0716C	D2010138
(280)	07B40014	002E0018	001F0001	00000000	00000000	00010001	00010000	00000000	00000000	00000001
(320)	00010000	00010001	00010001	00010000	00000000	00000000	00000000	00010002	00040000	00000000
(360)	00000000	00000094	005E0093	013807B4	0014002F	00330020	00010000	00000000	00000000	00010001
(400)	00000000	00000000	00000000	00000000	00000001	00010001	00010001	00000000	00000000	00000000
(440)	00000001	00020004	00000000	00000000	00000000	0094005E	00930138	07B40014	00310011	00210001
(480)	00000000	00000000	00000001	00010000	00000000	00000000	00000000	00000000	00010001	00010001
(520)	00010000	00000000	00000000	00000000	00010002	00040000	00000000	00000000	00000094	005E0093
(560)	013807B4	00140032	002C0022	00010000	00000000	00000000	00010001	00000000	00000000	00000000
(600)	00000000	00000001	00010001	00010001	00000000	00000000	00000000	00000001	00020004	00000000
(640)	00000000	00000000	0094005E	00930138	07B40014	0034000A	00230001	00000000	00000000	00000001
(680)	00010000	00000000	00000000	00000000	00000000	00010001	00010001	00010000	00000000	00000000
(720)	00000000	00010002	00040000	00000000	00000000	00000094	005E0093	013807B4	00140035	00250024
(760)	00010000	00000000	00000000	00010001	00000000	00000000	00000000	00000000	00000001	00010001
(800)	00010001	00000000	00000000	00000000	00000001	00020004	00000000	00000000	00000000	0094005E
(840)	00930138	07B40014	00370003	00250001	00000000	00000000	00000001	00010000	00000000	00000000
(880)	00000000	00000000	00010001	00010001	00010000	00000000	00000000	00000000	00010002	00040000
(920)	00000000	00000000	00000094	005E0093	013807B4	00140038	001E0026	00010000	00000000	00000000
(960)	00010001	00000000	00000000	00000000	00000000	00000001	00010001	00010001	00000000	00000000
(1000)	00000000	00000001	00020004	00000000	00000000	00000000	0094005E	00930138	07B40014	00390038
(1040)	00270001	00000000	00000000	00000001	00010000	00000000	00000000	00000000	00000000	00010001
(1080)	00010001	00010000	00000000	00000000	00000000	00010002	00040000	00000000	00000000	0000C094
(1120)	005E0093	013807B4								

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	50	50	1128	0	0	0	0	0	0

FILE 75 RECORD 11 LENGTH 1128BYTES

(0)	000D001E	00240033	00010000	00000000	00000000	00010001	00000000	00000000	00000000	00000000
(40)	00000001	00010001	00010001	00000000	00000000	00000000	00000001	00020004	00000000	00000000
(80)	00000000	0094005D	0092001B	07B5000D	00200002	00340001	00000000	00000000	00000001	00010000
(120)	00000000	00000000	00000000	00000000	00010001	00010001	00010000	00000000	00000000	00000000
(160)	00010002	00040000	00000000	00000000	00000094	005D0092	001B07B5	FFFF0010	000B0029	00010000
(200)	001C0004	00020000	00010001	00010002	00000001	00000000	049306CE	0BB50001	00000001	00000000
(240)	00010001	00010000	00000000	00000001	00020004	00010000	00020003	009D00AB	00AE00EF	0094001B
(280)	07B5000D	00110025	002A0001	0000002C	00020007	00000001	00010000	00020000	00000000	000004FC
(320)	06FE0BB1	00010000	00010000	00000001	00010001	00000000	00000000	00010002	00040001	00000003
(360)	0003009D	00AB00AE	00EF0094	001B07B5	000D0013	0004002B	00010000	002D0005	00040000	00010001
(400)	00010002	00010000	00010000	04F80740	0BF10001	00000001	00000000	00010001	00010000	00000000
(440)	00000001	00020004	00010000	00030003	009D00AC	00AE00EF	0094001B	07B5000D	0014001E	002C0001
(480)	0000002F	00010003	00000001	00010000	00010000	00000000	00000533	075A0BD9	00010000	00010000
(520)	00000001	00010001	00000000	00000000	00010002	00040001	00000003	0003009D	00AC00AE	00EF0094
(560)	001B07B5	000D0015	0039002D	00010000	002E0005	00030000	00010001	00010002	00010001	00000000
(600)	05E407C0	0C380001	00000001	00000000	00010001	00010000	00000000	00000001	00020004	00010000
(640)	00020004	009D00AC	00AE00EF	0094001B	07B5000D	00170017	002E0001	00000032	00040005	00000001
(680)	00010001	00010000	00010001	0000069C	08510C88	00010000	00010000	00000001	00010001	00000000
(720)	00000000	00010002	00040001	00000002	0003009D	00AC00AE	00EF0094	001B07B5	000D0018	0032002F
(760)	00010000	00370002	00050000	00010001	00010001	00000000	00000000	07F40909	0CE80001	00000001
(800)	00000000	00010001	00010000	00000000	00000001	00020004	00010000	00020004	009D00AC	00AE00EF
(840)	0094001B	07B5000D	001A0010	00300001	00000000	00000000	00000001	00010000	00000000	00000000
(880)	00000000	00000000	00010001	00010001	00010000	00000000	00000000	00000000	00010002	00040000

```
(   920)   00000004  0012009D  00AC00AE  00EF0094  001B07B5  000D001B  002B0031  00010000  00000000  00000000
(   960)   00010001  00000000  00000000  00000000  00010000  00000001  00010001  00010001  00000000  00000000
(  1000)   00000000  00000001  00020004  00000000  000A001E  00000000  0094005D  00920018  07B50000  001D0009
(  1040)   00320001  00000000  00000000  00000001  00010000  00000000  00000000  00000000  00000000  00010001
(  1080)   00010001  00010000  00000000  00000000  00000000  00010002  00040000  00000000  00000000  00000094
(  1120)   005D0092  001B07B5
```

1173

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
75	11	12	1128	0	0	0	0	0	0

EOJ DUMP STOPPED AFTER FILE 75 # OF PERMANENT READ ERRORS 0

START TIME 05/27/83 12:25:51 STOP TIME 05/27/83 12:28:54

```
$$
$ASS IN TU0 OUT TU1
$EXE TPDUPC BS
```

DUMP OF TAPE DIN-7

D-43708
1/21/74 - 5/13/74

INPUT TAPE DIN-7 ON MT4
DATA INPUT H9 FL 1 3 3

21 1974

FILE 1 RECORD 1 LENGTH 1128BYTES

(0)	C8C5C1C4	00010015	07B60015	C7C1D4D4	C140E5C5	D3404040	70141200	4720D2F2	41000001	5000C05C
(40)	58007014	13005000	701458E0	68F04100	0000500E	001458AE	00044100	000F500E	00044110	D07058F0
(80)	D0AC05EF	58007008	12004760	D326000A	00380037	003E0005	00000000	00000000	00000001	00020000
(120)	00C000C0	00000000	00000000	00000000	00010001	00010000	00000000	00000000	00000000	00000000
(160)	00000002	00030000	00000000	0000D0AC	05EF5800	70081200	001507B6	000A003A	0015003F	00050000
(200)	00000000	00000000	00010002	00000000	00000000	00000000	00000000	00000001	00010001	00000000
(240)	00C000C0	00000000	00000000	00000000	00020003	00000000	00000000	00000032	0094005D	00910015
(280)	07B6000A	003B0030	00000005	00000000	00000000	00000001	00020000	00000000	00000000	00000000
(320)	00000000	00010001	00010000	00000000	00000000	00000000	00000000	00000002	00030000	00000000
(360)	00000000	00320094	005D0091	001507B6	000B0001	000E0001	00050000	00000000	00000000	00010002
(400)	00000000	00000000	00000000	00000000	00000001	00010001	00000000	00000000	00000000	00000000
(440)	00000000	00020003	00000000	00000000	00000032	0094005D	00910015	07B6000B	00020029	00020005
(480)	00000000	00000000	00000001	00020000	00000000	00000000	00000000	00000000	00010001	00010000
(520)	00000000	00000000	00000000	00000000	00000002	00030000	00000000	00000000	00320094	005D0091
(560)	001507B6	000B0004	00070003	00050000	00000000	00000000	00010002	00000000	00000000	00000000
(600)	00000000	00000001	00010001	00000000	00000000	00000000	00000000	00000000	00020003	00000000
(640)	00000000	00000032	0094005D	00910015	07B6000C	00060007	002E000B	00000000	00000000	00010001
(680)	00020000	00000000	00000000	00000002	00020000	00010001	00010000	00000000	00000000	00000000
(720)	00000000	00000002	00030000	00000000	00000000	00320094	005D0091	001507B6	000C0007	0022002F
(760)	000B0000	00000000	00000000	00010002	00000000	00000000	00000000	00000000	00000001	00010001
(800)	00000000	00000000	00000000	00000000	00000000	00020003	00000000	00000000	00000032	0094005D
(840)	00910015	07B6000C	00090000	0030000B	00000000	00000000	00000001	00020000	00000000	00000000
(880)	00000000	00000000	00010001	00010000	00000000	00000000	00000000	00000000	00000002	00030000
(920)	00000000	00000000	00320094	005D0091	001507B6	000C000A	001B0031	000B0000	00000000	00000000
(960)	00010002	00000000	00000000	00000000	00000000	00000001	00010001	00000000	00000000	00000000
(1000)	00000000	00000000	00020003	00000000	00000000	00000032	0094005D	00910015	07B6000C	0021001F
(1040)	00010005	00000000	00000000	00000001	00020000	00000000	00000000	00000000	00000000	00010001
(1080)	00010000	00000000	00000000	00000000	00000000	00000002	00030000	00000000	00000000	00320094
(1120)	005D0091	001507B6								

FILE 1 RECORD 2 LENGTH 1128BYTES

(0)	000C0022	003A0002	00050000	00000000	00000000	00010002	00000000	00000000	00000000	00000000
(40)	00000001	00010001	00C00000	00000000	00000000	00000000	00000000	00020003	00000000	00000000
(80)	00C00032	0094005D	00910015	07B6000C	00240018	00030005	00000000	00000000	00000001	00020000
(120)	00000000	00000000	00000000	00000000	00010001	00010000	00000000	00000000	00000000	00000000
(160)	00000002	00030000	00C00000	00000000	00320094	005D0091	001507B6	000C0025	00330004	00050000
(200)	00000000	00000000	00010002	00000000	00000000	00C00000	00000000	00000001	00010001	00000000
(240)	00000000	00000000	00000000	00000000	00020003	00000000	00000000	00000032	0094005D	00910015
(280)	07B6000C	00270011	00050005	00000000	00000000	00010001	00020000	00000000	00000000	00000000
(320)	00000000	00010001	00010000	00000000	00000000	00000000	00000000	00000002	00030000	00000000
(360)	00000000	00320094	005C0091	001507B6	000C0028	002C0006	00050000	00000000	00000000	00010002
(400)	00000000	00000000	00000000	00000000	00000001	00010001	00000000	00000000	00000000	00000000
(440)	00000000	00020003	00000000	00000000	00000032	0094005C	00910015	07B6000C	002A000A	00070005
(480)	00000C00	00000000	00000001	00020000	00000000	00000000	00000000	00000001	00010001	00010000
(520)	00000000	00000000	00000000	00000000	00000002	00030000	00000000	00000000	00320094	005C0091
(560)	001507B6	000C002B	00250008	00050000	00000000	00000000	00010002	00000000	00000000	00000000
(600)	00000000	00000001	00010001	00000000	00000000	00000000	00000000	00000000	00020003	00000000
(640)	00000000	00000032	0094005C	00910015	07B6000C	002D0003	00090005	00000000	00000000	00000001
(680)	00020000	00000000	00000000	00000000	00000000	00010001	00010000	00000000	00000000	00000000
(720)	00000000	00000002	00030000	00000000	00000000	00310093	005D0091	001507B6	000C002E	001E000A
(760)	00050000	00000000	00000000	00010002	00000000	00000000	00000000	00000000	00000001	00010001
(800)	00000000	00000000	00000000	00000000	00000000	00020003	00000000	00000000	00000031	0093005D
(840)	00910015	07B6000C	002F0038	000B0005	00000000	00000000	00000001	00020000	00000000	00000000
(880)	00000000	00000000	00010001	00010000	00000000	00000000	00000000	00000000	00000002	00030000
(920)	00000C00	00000000	00310093	005D0091	001507B6	000C0031	0017000C	00050000	00000000	00000000
(960)	00010002	00000000	00000000	00000000	00000000	00000001	00010001	00000000	00000000	00000000
(1000)	00000000	00000000	00020003	00000000	00000000	00000031	0093005D	00910015	07B6000C	00320031
(1040)	000D0005	00000000	00000000	00000001	00020000	00000000	00000000	00000000	00000000	00010001

5/13/74

DUMP OF TAPE DIN-7

INPUT TAPE DIN-7 ON TU1
DATA INPUT H9 NF 57 SR 57 1 3

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
1	50	50	1128	0	0	0	0	0	0

FILE 57 RECORD 1 LENGTH 1128BYTES

(0)	00040032	001C0033	00010000	00000000	00000000	00010002	00000000	00000000	00000000	00000000
(40)	00000001	00010001	00000000	00000000	00000000	00000000	00000001	00020003	00000000	00000000
(80)	00000000	00950059	00800085	07B60004	00330036	00340001	00000000	00000000	00000001	00020000
(120)	00000000	00000000	00000000	00000000	00010001	00010000	00000000	00000000	00000000	00000000
(160)	00010002	00030000	00000000	00000000	00000095	00590080	008507B6	00040035	00150035	00010000
(200)	00000000	00000000	00010002	00000000	00000000	00000000	00000000	00000001	00010001	00000000
(240)	00000000	00000000	00000000	00000001	00020003	00000000	00000000	00000000	00950059	00800085
(280)	07B60004	0036002F	00360001	00000000	00000000	00000001	00020000	00000000	00000000	00000000
(320)	00000000	00010001	00010000	00000000	00000000	00000000	00000000	00010002	00030000	00000000
(360)	00000000	00000095	00590080	008507B6	00040038	000E0037	00010000	00000000	00000000	00010002
(400)	00000000	00000000	00000000	00000000	00000001	00010001	00000000	00000000	00000000	00000000
(440)	00000001	00020003	00000000	00000000	00000000	00950059	00800085	07B6C8C5	C1C40005	000D07B6
(480)	0085C8C4	40F7F2F1	F0F84040	40400000	00000000	00000000	00000000	00000000	00010001	00010000
(520)	00000000	00000000	00000000	00000000	00010002	00030000	00000000	00000000	00000095	00590080
(560)	008507E6	00040039	00280038	00010000	00000000	00000000	00010002	00000000	00000000	00000000
(600)	00000000	00000001	00010001	00000000	00000000	00000000	00000000	00000001	00020003	00000000
(640)	00000000	00000000	00950059	00800085	07B60004	003B0007	00390001	00000000	00000000	00000001
(680)	00020000	00000000	00000000	00000000	00000000	00010001	00010000	00000000	00000000	00000000
(720)	00000000	00010002	00030000	00000000	00000000	00000095	00590080	008507B6	00050000	0021003A
(760)	00010000	00000000	00000000	00010002	00000000	00000000	00000000	00000000	00000001	00010001
(800)	00000000	00000000	00000000	00000000	00000001	00020003	00000000	00000000	00000000	00950059
(840)	00800085	07B6FFFF	00300032	E2D30001	00000000	00000000	00000001	00020000	00000002	60400000
(880)	0001000C	00014040	40404040	00020001	40404040	40400002	00000000	00000000	00010002	00030000
(920)	00000013	0013009E	00AD00B0	00EE0083	008507B6	C8C5C1C4	0005000D	07B60085	E2D3C5E6	40404040
(960)	40404040	00000000	00026040	00000001	000C0001	40404040	40400002	00014040	40404040	00020000
(1000)	00000000	00000001	00020003	00000000	00130013	00000000	00950059	00800085	07B60004	00310001
(1040)	00320001	00000000	00000000	00000001	00020000	00000000	00000000	00000000	00000000	00010001
(1080)	00010000	00000000	00000000	00000000	00000000	00010002	00030000	00000000	00000000	00000095
(1120)	00590080	00850 7B6								

1974

FILE	INPUT RECS.	DATA RECORDS INPUT	MAX. SIZE	READ ERROR SUMMARY PERM	ZERO B	SHORT	UNDEF.	INPUT RETRIES #RECS.	TOTAL#
57	1	1	1128	0	0	0	0	0	0

****** EOF WHILE DUMPING RECORDS FOR REQUEST SR=57=1=3X

EOJ DUMP STOPPED AFTER FILE 57 # OF PERMANENT READ ERRORS 0

START TIME 06/13/83 10:10:43 STOP TIME 06/13/83 10:11:52

$$

D-43729
10/14/80 - 12/14/80

DUMP OF TAPE DIN-28

INPUT TAPE DIN-28 ON TU0
DATA INPUT H9 NF 38 SR 1 1 3 SR 38 LAST 3

FILE 1 RECORD 1 LENGTH 1128BYTES

(0)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(40)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(80)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(120)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(160)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(200)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(240)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(280)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(320)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(360)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(400)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(440)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(480)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(520)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(560)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(600)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(640)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(680)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(720)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(760)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(800)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(840)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(880)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(920)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(960)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1000)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1040)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1080)	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
(1120)	40404040	40404040								

FILE 1 RECORD 2 LENGTH 1128BYTES

(0)	C8C5C1C4	000A000E	07BC0120	F2F040E3	C1E44040	40404040	77777777	77777777	77777777	77777777
(40)	77777777	77777777	77777777	77777777	77777777	77777777	77777777	77777777	77777777	77777777
(80)	00000000	0094005E	00967777	77770008	00090013	0009000B	00000000	00000000	00000001	00020000
(120)	00000000	00000000	00000000	00000000	00010001	00010000	00000000	00000000	00000000	00000000
(160)	00010002	00040000	00000000	00000000	00000094	005E0096	012007BC	0008000A	002D0009	000B0000
(200)	00000000	00000000	00010002	00000000	00000000	00000000	00000000	00000001	00010001	00000000
(240)	00010001	00010000	00000000	00000001	00020004	00010000	00030014	00000000	0094005E	00960120
(280)	07BC0008	000A002D	0009000B	00140005	00000000	00000001	00020002	00010001	00010000	000000CC
(320)	011C0222	00010001	00010000	00000001	00010001	00000000	00000000	00010002	00040001	00000002
(360)	00030000	00000094	005E0096	012007BC	0008000A	002D0009	000B0020	00090000	00010000	00010002
(400)	00020003	00010001	00000000	013101A6	03540001	00010001	00000000	00010001	00010000	00000000
(440)	00000001	00020004	00010000	00020002	00000000	0094005E	00960120	07BC0008	000A002D	0009000B
(480)	00200006	00000000	00000001	00020002	00020000	00010000	00000144	01BD033C	00010001	00010000
(520)	00000001	00010001	00000000	00000000	00010002	00040001	00000002	00020000	00000094	005E0096
(560)	012007BC	0008000A	002D0009	000B0020	00080002	00000000	00010002	00030001	00010001	00010001
(600)	014D01A7	03450001	00010001	00000000	00010001	00010000	00000000	00000001	00020004	00010000
(640)	00020002	00000000	0094005E	00960120	07BC0008	000A002D	000A000B	000C0003	00000000	00000001
(680)	00020000	00010001	00010000	0000007D	00870120	00010001	00010000	00000001	00010001	00000000
(720)	00000000	00010002	00040001	00000016	000B0000	00000094	005E0096	012007BC	0008000C	000C000A
(760)	000B0000	00000000	00000000	00010002	00000000	00000000	00000000	00000000	00000001	00010001
(800)	00000000	00010001	00010000	00000000	00000001	00020004	00010000	00040001	00000000	0094005E
(840)	00960120	07BC0008	000C000C	000A000B	00040001	00000000	00000001	00020000	00000000	00010000
(880)	00000026	004D0080	00010001	00010000	00000001	00010001	00000000	00000000	00010002	00040001
(920)	00000016	000A0000	00000094	005E0096	012007BC	0008000C	000C000A	000B0020	00030002	00000000
(960)	00010002	00010001	00010000	00000000	015301A8	034E0001	00010001	00000000	00010001	00010000
(1000)	00000000	00000001	00020004	00010000	000A000A	009A00AB	00AC00EB	00950120	07BC0008	000C000C
(1040)	000A000B	00200008	00030002	00000001	00020001	00040001	00000001	00000147	01A00345	00010001

```
(  1080)   40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040  40404040
(  1120)   40404040  40404040

FILE      38  RECORD        2  LENGTH     1128BYTES
(     0)   00170021  00060005  00010000  00100000  00010000  00010002  00050004  00030000  00000001  0413065C
(    40)   0DA70001  00010001  00000000  00010001  00010000  00000000  00000001  00020004  00010000  00130012
(    80)   009B00AB  00AD00EC  0088015D  07BC0017  00220020  00060001  0000000D  00030006  00000001  00020003
(   120)   00070002  00000001  000003D8  06910D90  00010001  00010000  00000001  00010001  00000000  00000000
(   160)   00010002  00040001  000CC013  0012009B  00AC00AD  00EB0088  015D07BC  00170023  003B0007  00010000
(   200)   00130000  00030000  00010002  00070006  00020002  00000001  03E0069D  0DB60001  00010001  00000000
(   240)   00010001  00010000  00000000  00000001  00020004  00010000  00140013  009B00AC  00AD00E3  0088015D
(   280)   07BC0017  00250019  00080001  00000011  00010004  00000001  00020005  00030001  000203E4  00000014
(   320)   06AA0DA6  00010001  00010000  00000001  00010001  00000000  00000000  00010002  00040001  00010002
(   360)   0013009B  00AC00AD  00EB0088  015D07BC  00170026  00340009  00010000  00180007  00010000  00000000
(   400)   00050004  00060004  00030000  044D06E0  0D9C0001  00010001  00000000  00010001  00010000  00000000
(   440)   00000001  00020004  00010000  00140012  009B00AB  00AE00EB  0089015D  07BC0017  00280012  000A0001
(   480)   00000015  00020004  00000001  00020006  00060004  00010001  00010493  06E50DB0  00010001  00010000
(   520)   00000001  00010001  00000000  00000000  00010002  00040001  00000014  000F0093  00AB00AE  00EB0089
(   560)   015D07BC  00170029  002D000B  00010000  001F0001  00030000  00010002  000A0009  00070001  00010001
(   600)   04CD06F8  0DCB0001  00010001  00000000  00010001  00010000  00000000  00000001  00020004  00010000
(   640)   00130007  009B00AB  00AE00EB  0089015D  07BC0017  002B000B  000C0001  00000010  00040001  00000001
(   680)   00020004  00040004  00000001  00000557  07950DEC  00010001  00010000  00000001  00010001  00000000
(   720)   00000000  00010002  00040001  00000013  0003009B  00AB00AD  00EA0089  015D07BC  0017002C  0026000D
(   760)   00010000  002E0003  00010000  00010002  000F000A  00070006  00050001  05D807ED  0E250001  00010001
(   800)   00000000  00010001  00010000  00000000  00000001  00020004  00010000  00100002  009B00AB  00AD00EA
(   840)   0089015D  07BC0017  002E0004  000E0001  00000024  00010004  00000001  0002000E  00090003  00040002
(   880)   0001070B  08650E46  00010001  00010000  00000001  00010001  00000000  00000000  00010002  00040001
(   920)   0000000E  0003009B  00AB00AD  00EA0089  015D07BC  0017002F  001F000F  00070000  00240001  00040000
(   960)   00010002  000A0009  00050001  00030001  078008DE  0E730001  00010001  00000000  00010001  00010000
(  1000)   00000000  00000001  00020004  00010000  000D0003  009B00AB  00AD00EA  0089015D  07BC0017  00300039
(  1040)   00100005  00000000  00000000  00000001  00020000  00000000  00000000  00000000  00000000  00010001
(  1080)   00010000  00000000  00000000  00000000  00000000  00010002  00040000  0000000C  00020000  00000094
(  1120)   005C0086  015D07BC
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FILE      38  RECORD        3  LENGTH     1128BYTES
(     0)   00170032  00180011  00050000  00000000  00000000  00010002  00000000  00000000  00000000  00000000
(    40)   00000001  00010001  00000000  00000000  00000000  00000000  00000001  00020004  00000000  00000000
(    80)   00000000  0094005C  0086015D  07BC0017  00330032  00120005  00000000  00000000  00000001  00020000
(   120)   00000000  00000000  00000000  00000000  00010001  00010000  00000000  00000000  00000000  00000000
(   160)   00010002  00040000  00000000  00000000  00000094  005C0086  015D07BC  00170035  00110013  00050000
(   200)   00000000  00000000  00010002  00000000  00000000  00000000  00000000  00000001  00010001  00000000
(   240)   00000000  00000000  00000000  00000001  00020004  00000000  00000000  00000000  0094005C  0086015D
(   280)   07BC0017  0036002B  00140005  00000000  00000000  00000001  00020000  00000000  00000000  00000000
(   320)   00000000  00010001  00010000  00000000  00000000  00000000  00000000  00010002  00040000  00000000
(   360)   00000000  00000094  005C0086  015D07BC  FFFF7777  77777777  77777777  77777777  77777777  77777777
(   400)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   440)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  7777FFFF  77777777  77777777
(   480)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   520)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   560)   77777777  FFFF7777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   600)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   640)   77777777  77777777  77777777  77777777  7777FFFF  77777777  77777777  77777777  77777777  77777777
(   680)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   720)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  FFFF7777  77777777
(   760)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   800)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   840)   77777777  7777FFFF  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   880)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(   920)   77777777  77777777  77777777  77777777  77777777  FFFF7777  77777777  77777777  77777777  77777777
(   960)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(  1000)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  7777FFFF  77777777
(  1040)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(  1080)   77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777  77777777
(  1120)   77777777  77777777

      FILE    INPUT    DATA RECORDS    MAX.          READ ERROR SUMMARY          INPUT RETRIES
```