#507

UK 5
3A CATALOG OF X-RAY SOURCES
74-077A-02A

UK 5

CATALOGUE OF X-RAY SOURCES

74-077A-02A

THIS DATA SET HAS BEEN RESTORED. IT ORIGINALLY CONTAINED ONE 9-TRACK, 800 BPI TAPE WRITTEN IN ASCII. THERE IS ONE RESTORED TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON A PDP 11/34 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES
DR005880	DS005880	D046430	4

REQ. AGENT	RAND NO.	ACQ. AGENT
LSM	V0094	MCL

UK 5

3A CATALOG OF X-RAY SOURCES

74-077A-02A

This data set catalog consists of 1 tape. The tape is 800 BPI, 9 track, ASCII, with 4 files. The tape was created on the PDP 11/34 computer. The 'D' and 'C' numbers are as follows.

D#	C#
D-46430	C-21732

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10th August 1981

Dear Maureen,

Enclosed is a tape containing the 3A High and Low latitude X-ray source catalogues. (Bet you thought it would never arrive. So did I but that's another story!)

It is 9 Track, ~~800~~ 6250 bpi.

File Ø High latitude catalogue
File 1 Low " "
File 2 High " "
File 3 low " " (Copies, in case of read difficulties).

The format is as given on the enclosed sheet.

The printout is in 4 sections:

1 - High latitude catalogue as it is written on tape
2 - Low " " " " " " " ".
3 - High " " " " appears in McHardy et al.
4 - Low " " " " " " Warwick et al.

(3 and 4 are just prettier versions of 1 and 2).

For detailed information (provisos, ah buts and similar) the user should refer to the papers by Warwick et al (Low latitude) and McHardy et al (high latitude). These are circulating in preprint form at present and

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will eventually appear in Monthly Notices of the Royal Astronomical Society. I have not had the proofs yet so I imagine the timescale there is a few months.

Best wishes,

Ian McHardy.

(I should add that I am greatly indebted to Mike Watson who produced this tape on our PDP-11/34)

FORMAT OF 3A CATALOGUE FILES

PARAMETER	FIELD	FMT	TYPE	UNITS	
** 1st Record **					
3A name	1 - 1Ø	A1Ø	Hollerith		
Alternative name 1	11- 2Ø	A1Ø	Hollerith		
Alternative name 2	21- 3Ø	A1Ø	Hollerith		
Alternative name 3	31- 4Ø	A1Ø	Hollerith		
** 2nd Record **					
Error box centre RA	1 - 6	F6.2	Real	Deg.	
" " " DEC	7 - 12	F6.2	Real	Deg.	
" " corners RA(1)	13- 18	F6.2	Real	Deg.	
" " " DEC(1)	19- 24	F6.2	Real	Deg.	
" " " RA(2)	25- 3Ø	F6.2	Real	Deg.	
" " " DEC(2)	31- 36	F6.2	Real	Deg.	
" " " RA(3)	37- 42	F6.2	Real	Deg.	
" " " DEC(3)	43- 48	F6.2	Real	Deg.	
" " " RA(4)	49- 54	F6.2	Real	Deg.	
Error box area	61- 65	F5.3	Real	Sq.deg.	
Position code	66- 7Ø	A5	Hollerith		[1]
** 3rd Record **					
Average flux	1 - 8	F8.2	Real	SSI ct/sec.	
" " error	9 - 16	F8.2	Real	"	
Minimum flux	17- 24	F8.2	Real	"	[2]
" " error	25- 32	F8.2	Real	"	[3]
Maximum flux	33- 4Ø	F8.2	Real	"	
" " error	41- 48	F8.2	Real	"	[3]
Variability code	49	A1	Hollerith		
Identification	5Ø- 59	A1Ø	Hollerith		
Identification (code)	6Ø- 69	A1Ø	Hollerith		[4]
** 4th Record **					
Comments : line 1	1 - 25	A25	Hollerith		
" line 2	26- 5Ø	A25	Hollerith		
" line 3	51- 75	A25	Hollerith		

** end **

General comments

Catalogue files are machine readable version of the 3A low and high galactic latitude catalogues (Warwick et al. and McHardy et al. MNRAS in press) as given in each paper. Some compromises have had to be made to produce the files in a useful form.

Please note the following :

(a) All blank Hollerith fields are reproduced as blanks in catalogue files,except for the comment lines in which totally blank fields appear as "$" s.

(b) Blank error box corners in low-latitude catalogue are reproduced as "Ø.Ø" in file.

(c) Blank flux or error values are reproduced as "-99.99" in catalogue files (to distinguish them from actual "Ø.Ø" values).

(d) Lower case characters appear as upper case in files. (e.g. "e" becomes "E" and "~" appears as "^" - some characters will be machine specific anyway)

Notes to format description

[1] : Position code is only used in the low-latitude catalogue. Code is set to "3A" throughout high-latitude file.

[2] : Flux upper limits in low-latitude catalogue are reproduced simply as the flux in the catalogue file.

[3] : Errors for min. and max. fluxes are not given in low-latitude catalogue.

[4] : Identification code is only given in high-latitude catalogue. In low-latitude catalogue this field is used as second line of identification information.

D-46430

```
$JOB  11:33:53
$ASS IN MT2
$NOP ***** LIST OF X405 ***********
$EXE TPLIST BS

INPUT PARAMETERS ARE:  AS FL=5=5 4

 TAPE NO.   1                 FILE NO.   1
 RECORD   1                   LENGTH   800
3A0004+7254U0000+72                                                                                   1.07 72.52359.89
72.67  1.99 72.78  2.19 72.38  0.13 72.280.2003A                          0.46     0.08  -99.99  -99.99  -99.
99  -99.99SCTA 1     *                         SNR [D]
                                3A0020-260
      5.11-26.03  4.59-25.87  5.43-25.71  5.55-26.21  4.72-26.380.3033A                                  0.26     0.0
4  -99.99  -99.99  -99.99  -99.99S                                        A22 (D=6,R=3,BMI)        V. NEAR E
RROR BOX                                             3A0039-0952A0039-0964U0037-10
                                     9.86 -9.54  9.98 -9.68  9.63 -9.59  9.69 -9.38 10.04 -9.470.0623A

 TAPE NO.   1                 FILE NO.   1
 RECORD   2                   LENGTH   800
   1.30    0.08  -99.99  -99.99  -99.99  -99.99SA85       ****                CLUSTER OF GALAXIES
     [B]                                                          3A0040+4092A0039+4114U0037+39
                                                  10.19 40.93 10.91 40.46  9.27 41.09  9.47 41.40 11.12 40
.760.3873A                        0.79     0.10  -99.99  -99.99  -99.99  -99.99SM31          ****
    NORMAL SPIRAL GALAXY         [C]                                                            3A0041+3302A004
2+3234U0042+32 [A]                                                        10.39 33.02 10.47 32.80 10.11 33.
14 10.26 33.25 10.62 32.910.0603A                      -99.99  -99.99     0.00    0.32   13.40    1.40TSTAR
    ***                          [A]  V=19.2                X-RAY                      RISETIME < 1 DAY [E]

 TAPE NO.   1                 FILE NO.   1
 RECORD   3                   LENGTH   800
3A0042-738SMC X-2   [A]                                                                            10.67-73.83 12.46-
73.99  8.45-74.06  8.41-73.70 12.34-73.630.3223A                          0.46     0.20  -99.99  -99.99  -99.
99  -99.99SOB STAR    ***                      [A]                         V=14.8
                                3A0044-410
     11.16-41.09 10.79-40.66 11.83-41.11 11.54-41.51 10.48-41.060.3313A                                  0.22     0.0
6  -99.99  -99.99  -99.99  -99.99S                                        $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$        3A0049-726SMC X-3   [A]
                                    12.47-72.67 17.52-72.26  7.69-73.22  7.47-72.94 17.17-72.010.7683A

 TAPE NO.   1                 FILE NO.   1
 RECORD   4                   LENGTH   800
   0.80    0.15  -99.99  -99.99  -99.99  -99.99SOB STAR    ***                  [A]  V=15
                                                                  3A0103-232REPLACES  2A0102-2222A0102-2
42                                                15.79-23.28 15.73-23.55 15.54-23.18 15.82-23.06 16.01-23
.420.0913A                        0.33     0.05  -99.99  -99.99  -99.99  -99.99S
    MCG-04-03-050 &                MCG-04-03-051              IN ERROR BOX                 3A0116-7362A011
6-7374U0115-73  SMC X-1[A]                                                19.00-73.66 19.29-73.72 18.60-73.
66 18.67-73.60 19.35-73.650.0113A                       4.74     0.18     0.04     0.50    20.60    1.30ISK 1
60     ****                      [A] STAR   V=13.3

 TAPE NO.   1                 FILE NO.   1
 RECORD   5                   LENGTH   800
3A0120-5912A0120-5914U0106-59                                                                      20.09-59.11 19.52-
58.94 20.70-58.99 20.66-59.27 19.47-59.220.1403A                          0.65     0.07  -99.99  -99.99  -99.
99  -99.99SFAIRALL 9 ***                       = ESO113-IG45               SEYFERT GALAXY [D,E]
                                3A0121-3532A0120-3534U0115-36
     20.50-35.32 20.31-35.39 20.42-35.19 20.62-35.27 20.52-35.460.0303A                                  1.05     0.0
5  -99.99  -99.99  -99.99  -99.99SNGC526A     ***                         HEXELG [A,E]
                                                     3A0121+338
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                              20.49 33.81 20.85 34.16 20.71 33.41 20.11 33.49 20.25 34.230.2963A

 TAPE NO.   1              FILE NO.   1
 RECORD    53              LENGTH   800
3A2228-382H2233-378 [H]                                                                   337.13-38.27337.64-
38.02336.84-38.71336.56-38.51337.37-37.820.2103A                  0.61     0.06  -99.99   -99.99   -99.
99  -99.99S                              NGC7297,7299 IN BOX
                         3A2233-2592A2237-256MX2244-24?
   338.43-25.97337.96-26.23338.51-25.52338.83-25.72338.28-26.430.2303A                     0.61     0.0
7  -99.99   -99.99   -99.99   -99.99SNGC7314    **               HEXELG [D,G]
                                          3A2248-1852A2251-179
                            342.04-18.51342.74-17.98341.51-19.22341.31-19.04342.54-17.800.3773A

 TAPE NO.   1              FILE NO.   1
 RECORD    54              LENGTH   800
   0.70    0.09  -99.99  -99.99  -99.99  -99.99SMR2251-179***                    QUASAR/SEYFERT [A,G
]                                                     3A2253-033H2252-035 [H]
                                       343.38 -3.32343.85 -3.20343.12 -3.77342.86 -3.43343.58 -2
.870.3023A                 0.65     0.11  -99.99  -99.99  -99.99  -99.99SSTAR       ***
   CATACLYSMIC VARIABLE     V=13 [E]                                                 3A2258+0832A225
9+0854U2300+08                                                344.68  8.40345.10  8.23344.26  8.
11344.19  8.56345.03  8.690.2903A              0.86     0.10    0.00     0.60     2.68     0.36INGC7
469   ***                  SEYFERT GALAXY [B,G]

 TAPE NO.   1              FILE NO.   1
 RECORD    55              LENGTH   800
3A2302-0892A2302-0884U2305-07?                                                     345.66 -8.98345.84
-8.91345.64 -9.20345.44 -9.06345.65 -8.770.0653A                  1.40     0.10  -99.99   -99.99   -99.
99  -99.99SMCG-2-58-2***                 SEYFERT GALAXY [B,G]
                         3A2316-4262A2315-428
   349.06-42.61348.87-42.69349.06-42.42349.24-42.49349.05-42.760.0343A                     1.00     0.0
5  -99.99   -99.99   -99.99   -99.99SNGC7582    ****             [C,F]
                                          3A2316-2802A2318-272
                            349.22-28.06348.58-28.73349.28-27.28349.71-27.45349.01-28.900.5523A

 TAPE NO.   1              FILE NO.   1
 RECORD    56              LENGTH   800
   0.34    0.06  -99.99  -99.99  -99.99  -99.99S                                 $$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$    3A2320+1632A2322+1664U2315+15
                                       350.01 16.34350.49 16.08349.52 16.01349.47 16.60350.45 16
.670.4253A                 0.38     0.09  -99.99  -99.99  -99.99  -99.99SA2589        *
   CLUSTER OF GALAXIES                                                               3A2345-2832A234
4-285                                                         356.36-28.31356.16-28.51356.28-28.
07356.53-28.12356.41-28.570.0803A              0.63     0.05  -99.99  -99.99  -99.99  -99.99SKLEM
. 44   **                  CLUSTER OF GALAXIES

 TAPE NO.   1              FILE NO.   1
 RECORD    57              LENGTH   800
3A2355+284A0000+28                                                                358.88 28.40  1.75
27.68355.75 28.76355.81 29.06  1.83 27.981.0903A                -99.99   -99.99    0.00     0.32     3.
88     0.80THD224085   ***               RS CVN SYSTEM [A,B]       V=7.5
                         3A2356-3414U0009-33?
   359.04-34.17358.35-35.08359.25-33.22359.56-33.32358.67-35.190.5103A                     0.40     0.0
6  -99.99   -99.99   -99.99   -99.99S                          (CD?)GROUP IN SOUTH      PART OF B
OX. NGC7793        OUTSIDE BOX TO NORTH

 TAPE NO.   1              FILE NO.   2
 RECORD     1              LENGTH   800
3A0022+6384U0022+63                                                               5.60 63.88  0.00
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FORM 14113

FORM 14113