

#507

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

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

UK 5

CATALOGUE OF X-RAY SOURCES

74-077A-02A ASXR-00046

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
LSM

RAND NO.
V0094

ACQ. AGENT
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#

D-46430

C#

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, ¹⁰²⁵⁰~~800~~ bpi.

File 0	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 - 10	A10	Hollerith		
Alternative name 1	11- 20	A10	Hollerith		
Alternative name 2	21- 30	A10	Hollerith		
Alternative name 3	31- 40	A10	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- 30	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	51- 65	F5.3	Real	Sq.deg.	
Position code	66- 70	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- 40	F8.2	Real	"	
" " error	41- 48	F8.2	Real	"	[3]
Variability code	49	A1	Hollerith		
Identification	50- 59	A10	Hollerith		
Identification (code)	60- 69	A10	Hollerith		[4]
** 4th Record **					
Comments : line 1	1 - 25	A25	Hollerith		
" line 2	26- 50	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 "0.0" in file.
- (c) Blank flux or error values are reproduced as "-99.99" in catalogue files (to distinguish them from actual "0.0" 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
\$NOF ***** 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 *** = ES0113-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]

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]
J 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
0X. NGC7793 OUTSIDE BOX TO NORTH

TAPE NO. 1 FILE NO. 2
RECORD 1 LENGTH 800

