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An ATCA radio-continuum study of the Small Magellanic Cloud - I. Source catalogues at 1.42, 2.37, 4.80 and 8.64 GHz

EXAMPLE OF ARTICLE FOR WHICH electronic tables were not initially available

M. D. Filipović^{1,2}, T. Bohlson¹, W. Reid¹, L. Staveley-Smith², P. A. Jones¹, K. Nohejz¹ and G. Goldstein¹,

Abstract

We have analysed radio-continuum mosaics of the Small Magellanic Cloud (SMC) obtained using both the Australia Telescope Compact Array (ATCA) and the Parkes telescope and present a new catalogue of sources in the SMC at 1.42, 2.37, 4.80 and 8.64 GHz ($\lambda = 20, 13, 6$ and 3 cm). We find a total of 717 radio-continuum sources at these frequencies in the field of the SMC, which is three times more than previous Parkes surveys. From these 717 radio-continuum sources, some 534 were detected at 1.42 GHz, 697 at 2.37 GHz, 75 at 4.80 GHz and 54 at 8.64 GHz. The integrated flux density was measured for each of these sources. We have assessed the accuracy of the position and flux measurements of our catalogue and found no significant

4 Radio Source Catalogue

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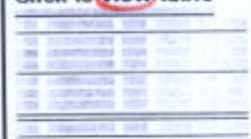
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Table 2. Summary of the ATCA mosaic radio-continuum surveys of the SMC.

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Table 3. Sample of the catalogue of the ATCA radio-continuum sources in the SMC at 1.42 GHz. The extends...

The catalogue of radio-continuum sources at 1.42 GHz (Table 3) contains 534 sources and the catalogue at 2.37 GHz (Table 4) contains 697 sources. As noted above, the catalogue of sources at 4.80 and 8.64 GHz is much smaller. The 4.80-GHz catalogue contains 75 sources and the 8.64-GHz catalogue contains 54 sources. Overall details concerning these four ATCA mosaic radio-continuum surveys of the SMC are given in Table 2.

A sample of the catalogues of discrete radio sources for the SMC are given in Tables 3-6. The full catalogues are available in machine-readable form from the authors or from CDS.

not initially at CDS!

The first column gives the source name derived from the standard IAU format (Lortet, Borde & Ochsenbein 1994) of 'Jhhmmss-ddmmss' (e.g. J003327-723719). The letter 'J' in column 1 indicates that the source-positions (columns 2 and 3) are for equinox J2000. For easier cross-checking we have adopted the reference source name based on the position at the highest frequency, since that position will be the most accurate. In column 4 the symbols (e) and (ve) are used to flag sources that are significantly extended. The integrated flux densities are listed in column 5.

WHAT ARE ELECTRONIC JOURNALS GOOD FOR?

submit: astro-ph Sept 2001
 → no data incl.
 4613 galaxy redshifts

accepted Oct 2002
 published March 2003

FLASH redshift survey - I. Observations and catalogue

Raven Kaldare,¹ Matthew Colless,² Somak Raychaudhury³ and B. A. Peterson²

ABSTRACT

The FLAIR Shapley-Hydra (FLASH) redshift survey catalogue consists of 4613 galaxies brighter than $b_J = 16.7$ (corrected for Galactic extinction) over a 700-deg² region of sky in the general direction of the Local Group motion. The survey region is a 70° × 10° strip spanning the sky from the Shapley Supercluster to the Hydra cluster, and contains 3141 galaxies with measured redshifts. Designed to explore the effect of the galaxy concentrations in this direction (in particular the Supergalactic plane and the Shapley Supercluster) upon the Local Group motion, the 68 per cent completeness allows us to sample the large-scale structure better than similar sparsely-sampled surveys. The survey region does not overlap with the areas covered by ongoing wide-angle (Sloan or 2dF) complete redshift surveys. In this paper, the first in a series, we describe the observation and data reduction procedures, the analysis for the redshift errors and survey completeness, and present the survey data.

Monthly Notice of the Royal Astronomical Society

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Kaldare, Raven, Colless, Matthew, Raychaudhury, Somak & Peterson, B. A.
 FLASH redshift survey - I. Observations and catalogue.
 Monthly Notice of the Royal Astronomical Society 339 (3), 652-662.
 doi: 10.1046/j.1365-8711.2003.05695.x

Table 1. The FLASH survey catalogue - example data. The full survey catalogue is available from NASA's Astrophysical Data Centre (ADC; <http://adc.gsfc.nasa.gov/adc.html>) and the Centre de Données astronomiques de Strasbourg (CDS; <http://odsweb.u-strasbg.fr/>).

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Field	RA	Dec.	l	b	b_J	D	T	cz	σ	cz
	(B1950)		(°)	(°)	(mag)	(')		(km s ⁻¹)		src
499	10 03 24.34	-23 38 21.8	261.0	25.2	16.6	0.5	1	0	0	-
499P	10 03 26.00	-22 48 48.0	260.4	25.8	14.5	1.1	2	3829	39	F


electronic paper refers to ADC or CDS

At the time of publishing ADC had been closed by NASA, and CDS did not know about the data

NASA-ADC Astronomical Data Center closed 1 Oct 2002 !


http://adc.gsfc.nasa.gov/adc.html Search

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For 25 years, the ADC was a key center for published astronomy data, catalogs, and journal tables. The ADC made these data sets computer readable and developed new methods, tools, and techniques for their preparation and use. The ADC represented the U.S. in exchanging data and collaborating on techniques and standards with data centers in other countries.




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- XML Resources ---> XML Resources

Feedback
Authors: James Gass & Gail Schneider
NASA Official: Dr. James L. Green
Revised: September 30, 2002



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Centre for
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A Subdivision of Institute of Astronomy of
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continuing at CAD Moscow ...

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"former Soviet union and Russian catalogues" ?

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1. Some catalogues listed [below](#) are available at CAD through WWW or [ftp](#).
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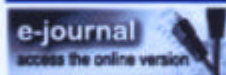
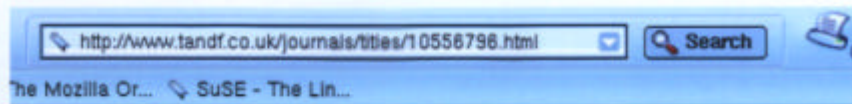
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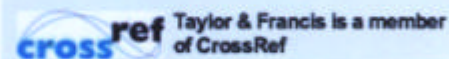
Astronomical and Astrophysical Transactions

The Journal of the Eurasian Astronomical Society

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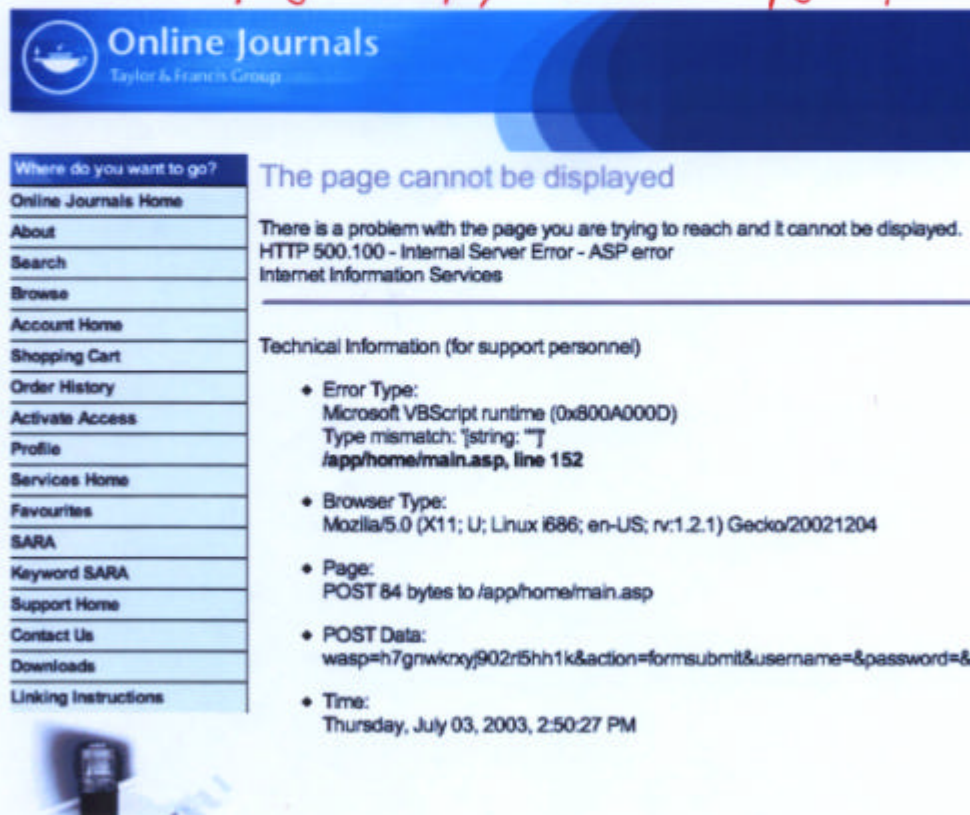
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The Eurasian Astronomical Society was founded in the Spring of 1990 as an independent association of astronomers from various fields of astronomy and astrophysics. The main purpose of the society is to maintain the development of astronomy and to reinforce communications between astronomers in the former

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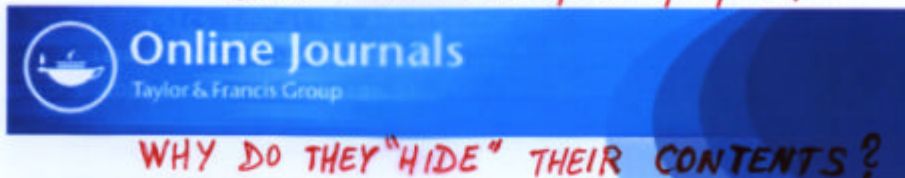
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POST 84 bytes to /app/home/main.asp
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