VizieR Online Data Catalog: SWXCS III. Cluster catalog from 2005-2012 Swift data (Liu+, 2015)

The Swift X-ray telescope Cluster Survey. III. Cluster catalog from 2005-2012 archival data. (2015)
Go to the original article (10.1088/0067-0049/216/2/28)

Keywords : catalogs; cosmology: observations; galaxies: clusters: general; surveys; X-rays: galaxies: clusters

Abstract: We present the Swift X-ray Cluster Survey (SWXCS) catalog obtained using archival data from the X-ray telescope (XRT) on board the Swift satellite acquired from 2005 February to 2012 November, extending the first release of the SWXCS. The catalog provides positions, soft fluxes, and, when possible, optical counterparts for a flux-limited sample of X-ray group and cluster candidates. We consider the fields with Galactic latitude |b|>20° to avoid high H I column densities. We discard all of the observations targeted at groups or clusters of galaxies, as well as particular extragalactic fields not suitable to search for faint extended sources. We finally select ~3000 useful ...(more)

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From the entire Swift XRT archive in the period 2005 February-2012
November, we select all the fields that can be used to build an
unbiased, serendipitous X-ray cluster catalog.
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- VIII/88 : Planck Early Release Compact Source Catalogue (Planck, 2011)
- VIII/76 : Leiden/Argentine/Bonn (LAB) Survey of Galactic HI (Kalberla+ 2005)
- IX/10 : ROSAT All-Sky Bright Source Catalogue (1RXS) (Voges+ 1999)
- VII/175 : Edinburgh-Durham Southern Galaxy Cat. - Cluster Cat. (Lumsden+ 1992)
- VII/110 : Rich Clusters of Galaxies (Abell+ 1989)
- II/213 : Hickson's Compact groups of Galaxies (Hickson+ 1982-1994)
- J/ApJS/216/27 : Galaxy clusters in the SPT-SZ survey (Bleem+, 2015)
- J/A+A/567/A89 : Swift X-ray Telescope Cluster Survey. II. (Tozzi+, 2014)
- J/ApJ/771/137 : WMAP observations of Planck ESZ clusters (Ma+, 2013)
- J/A+A/555/A30 : REFLEX II. Properties of the survey (Boehringer+ 2013)
- J/A+A/547/A57 : Swift X-ray Telescope Cluster Survey (Tundo+, 2012)
- J/MNRAS/423/1024 : XCS-DR1 Cluster Catalogue (Mehrtens+, 2012)
- J/ApJS/199/34 : Clusters of galaxies in SDSS-III (Wen+, 2012)
- J/A+A/534/A109 : MCXC Meta-Catalog X-ray galaxy Clusters (Piffaretti+, 2011)
- J/ApJS/195/10 : The CDF-S survey
- J/ApJ/736/21 : Galaxy clusters opt. cat. from AMF on SDSS DR6 (Szabo+ 2011)
- J/ApJS/191/254 : GMBCG galaxy cluster catalog from SDSS DR7 (Hao+, 2010)
- J/AJ/137/2981 : Northern Optical Cluster Survey. III. (Gal+, 2009)
- J/ApJS/174/117 : Properties and metal abundances of clusters (Maughan+, 2008)
- J/ApJS/173/185 : GALEX UV atlas of nearby galaxies (Gil de Paz+, 2007)
- J/ApJS/172/561 : The 400d cluster Survey (Burenin+, 2007)
- J/MNRAS/379/867 : BCG C4 cluster catalog (Von Der Linden+, 2007)
- J/ApJ/660/239 : MaxBCG cat. of galaxy clusters from SDSS (Koester+, 2007)
- J/ApJS/167/1 : Galaxy groups and clusters from SDSS (Berlind+, 2006)
- J/ApJ/645/955 : ChaMP serendipitous galaxy cluster survey (Barkhouse+, 2006)
- J/AJ/130/968 : SDSS-C4 cluster catalog (Miller+, 2005)

- J/A+A/425/367 : REFLEX Galaxy Cluster Survey catalogue (Boehringer+, 2004)
- J/ApJ/607/L33 : First IBIS Catalog
- J/AJ/125/2064 : Northern Optical Cluster Survey. II. (Gal+, 2003)
- J/ApJS/129/435 : NORAS galaxy cluster survey. I. (Bohringer+, 2000)
- http://swxcs.ustc.edu.cn/ : SWXCS home page

Archives are available through FTP in standardized format described in the ReadMe.
VizieR tables are built from archives with additional transformations.

J/ApJS/216/28 SWXCS III. Cluster catalog from 2005-2012 Swift data (Liu+, 2015)
The following files can be converted to FITS (extension .fit or fit.gz)
table2.dat table3.dat

Query from: http://vizier.u-strasbg.fr/viz-bin/VizieR?-source=J/ApJS/216/28

Go to ftp - web page - Download all tables in tar.gz

ReadMe	15-Apr-2015 13:59	-r--r--r--	12 K	
table2.dat	05-Mar-2015 11:54	-r--r--r--	24 K	- text - txt.gz - fits - fits.gz - html
table3.dat	05-Mar-2015 11:54	-r--r--r--	53 K	- text - txt.gz - fits - fits.gz - html