

XMM-Newton Optical and Ultraviolet Monitor (OM) Sources Catalogue

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Abstract

The second version of the serendipitous sources (SUSS2) detected with the XMM-Newton Optical and Ultraviolet Monitor (OM) was released in March 2014. It contains sources extracted from all observations performed with the XMM-Newton before 2013, a total of 6604 pointings in which the OM was used. The catalogue contains photometry data (magnitudes and absolute fluxes) of all detected sources in any of the OM filters (212 nm, 231 nm, 291 nm, 344 nm, 450 nm and 543 nm). A total of 5,595,331 sources corresponding to 4,008,879 unique objects, out of which 692,223 have been observed several times.

The Catalogue can be accessed through the XMM-Newton Science Archive (XSA) at <http://xmm.esac.esa.int/xsa/>. A query interface allows users to search for their favourite objects. Alternatively the whole catalogue can be downloaded.

This poster describes the catalogue and gives some examples of utilisation of the data.