

15 years of *INTEGRAL*/OMC monitoring.

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Abstract

OMC, the Optical Monitoring Camera onboard *INTEGRAL*, has been monitoring the optical emission of thousands of potentially variable astronomical objects during the latest 15 years. OMC takes one image of its $5^\circ \times 5^\circ$ field of view every 10, 50 or 200 seconds, downloading the photometric data for around 100 objects in each exposure. The OMC Archive, publicly available at <http://sdc.cab.inta-csic.es/omc/>, contains the light curves of around 90 000 scientific objects with more than at least 50 photometric points, including the optical emission of the high-energy targets being observed simultaneously by the other instruments on *INTEGRAL*: IBIS, SPI and JEM-X. The "First *INTEGRAL*-OMC catalogue of optically variable sources" contains already a complete analysis of more than 5000 variable sources. At the end of the *INTEGRAL* mission we will compile and publish the final catalogue containing the light curves and variability analysis of all the sources monitored by OMC during its lifetime. (See poster).