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Iris Traulsen

Organization: Leibniz Institute for Astrophysics Potsdam (AIP)
Position: Researcher at AIP

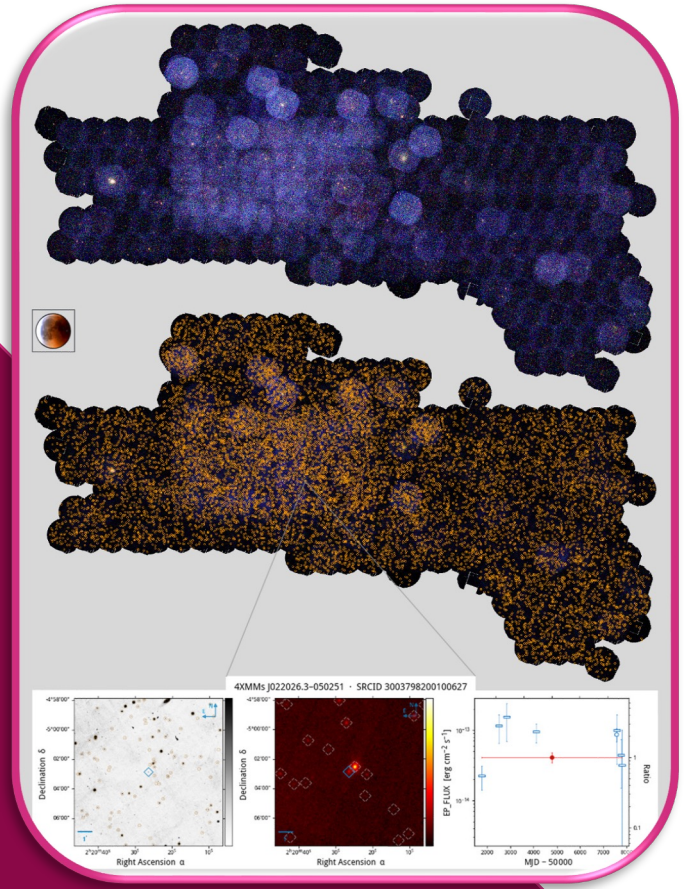

Illustration: False-colour image of the 372 observations covering the XXL-North field. Detected sources are shown in orange, and the full moon (photo: G. Lamer) for size comparison. Lower panels: optical finding chart, X-ray image and long-term light curve of a source, repeatedly observed over 16 years.

Iris is an X-ray and multi-wavelength astrophysicist at the Leibniz Institute for Astrophysics Potsdam (AIP) in Germany.

As a member the XMM-*Newton* Survey Science Centre consortium, she maintains the source-detection software and related packages. She develops and generates the XMM-*Newton* Serendipitous Source Catalogue from overlapping observations - briefly: the stacked catalogue -, which is published on a yearly basis.

Her research interests involve data analysis and modelling of single and of accreting White Dwarfs, in particular in Cataclysmic Variable systems, timing (short- and long-term variability) and spectral studies. She is active in the eROSITA_DE and Athena collaborations.

In XMM2ATHENA, Iris is the co-lead of Work Package 4, the "Enhanced Stacked Catalogue", which will be based on a revised source-detection strategy. This new approach has a special focus on the discovery of more, so far un-known faint X-ray sources, which can be found only through using the long cumulated exposure time of repeated observations.

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