

The REM images archive: 15 years of a RDBMS and Web oriented system

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REM produces an average of 1500 images per night through its Optical (ROS2) and IR (REMIR) cameras. The observation log, images and other data are managed via DB (MySQL) oriented s/w. All the collected images are transferred in real time by a three nodes client/server communication system from La Silla to OAS-Bologna. The REM DB system stores not only information available from the FITS header, but also computed parameters, like the images footprint on sky. It also automatically manages proprietary/public data access and keep tracks of its usage. A PHP-JavaScript web interface allows the users not only to retrieve images based on search criteria, but also to inspect them interactively and perform a number of actions like objects detection and reference catalogs overplot. Custom and public tools are used to this aim, e.g. AladinLite and JS9. Further capabilities are being implemented. I will describe the various components of the REM archive system and show how its architecture is perfectly suitable to manage multi-telescope/camera images.

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