JAstroCam3 - a new version of CCD data gathering software

M. Budyn[1], S. Zola[1,2]

[1] *Astronomical Observatory, Jagiellonian University, ul. Orla 171, 30-244 Krakow, Poland*
[2] *Mt. Suhora Observatory, Pedagogical University, ul. Podchorazych 2, 30-084 Krakow, Poland*

We present a new release of JAstroCam, software for astronomical data gathering using CCD detectors, with the high speed photometry as one of the most important applications. It runs under linux and it is capable of performing an on-line reduction of incoming frames displaying the light curves on screen in real time. JAstroCam ver. 3 provides several enhancements comparing to the previous version. The most significant is a built-in support for telescope and dome controllers allowing plugins to take control over all aspects of observations. The other major enhancement is a dynamic device connection and disconnection mechanism, which allows more flexible and reliable operation of the whole application and enables better procedures for failure recovery thus increasing the program reliability. The usage of dynamic discovery services which can query all available cameras and other devices connected to the computer and provides appropriate interfaces to JAstroCam. Minor software enhancements are mainly related to optimized performance and stability of the application as well as background preparation for further enhancements i.e. the remote control over the application.