

## Variability in the Galactic globular cluster M15. Science verification phase of T80Cam/JAST80@OAJ

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### Abstract

In the framework of the Science Verification Phase of T80Cam of the 83cm Javalambre Auxiliary Survey Telescope (JAST80) located at the Observatorio Astrofísico de Javalambre (OAJ), Teruel, Spain, a program was proposed to study the variability of RR Lyrae stars, as well as other variable sources, belonging to the Galactic globular cluster M15. The observations were carried out on different epochs (almost a dozen different nights along a  $\sim 4$  months period) using the complete set of 12 filters, centered at the optical spectral range, that are being devoted to the execution of the ongoing Javalambre Photometric Local Universe Survey (J-PLUS). One of the main goals is the characterization of the variability of the spectral energy distribution of RR Lyrae stars along their pulsation. This will be used to define methods to detect these type of variables in J-PLUS and J-PLUS. Preliminary results are presented here.