Goals and strategies in the global control design of the OAJ Robotic Observatory

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Abstract

The Observatorio Astrofsico de Javalambre (OAJ), is a new astronomical facility located in the Sierra de Javalambre (Teruel,Spain). The observatory will host two telescopes, an 83cm telescope with one 9.2k x 9.2k CCD and a 2.55 telescope with 14 CCDs 10.5K x 10.5K The OAJ control system has been designed from a global point of view including astronomical subsystems as well as infrastructures and other facilities. We strongly believe that the best approach for a success design of a new observatory is to consider it as whole and to focus on overall efficiency basically integrated by several systems. The relationship between systems has to be optimized in order to facilitate coordination and best performance of observatory functionality as a whole.

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