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Photometric calibration of a wide-field sky survey data from Mini-MegaTORTORA

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Abstract

© 2018 WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim Mini-MegaTORTORA is a nine-channel wide-field camera that continuously monitors the sky looking for rapid optical transients since mid-2014. It is also performing a regular sky survey, and has already acquired nearly half a million images covering every point of Northern Sky hundreds to thousands of times. Photometric analysis of these data may provide a huge amount of information useful for the detection and characterization of different types of variable objects. Here we present a brief description of our activities related to the acquisition, processing, and calibration of these data, as well as examples of uncataloged variable stars of various types detected during the analysis.

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Keywords

methods: Data analysis, stars: Variables: General, surveys, techniques: Photometric

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