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Science at the Mahikeng Astronomical Observatory

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The new observatory of the North West University (MAO) houses a 40-cm MEADE LX200GPS ACF telescope with SBIG STT 8300M electronically cooled camera. It was officially launched on the 21 April 2018. This instrument is capable of detecting milli-magnitude changes in brightness of a star, and is thus suitable for the study of pulsating stars and exoplanet research. In this paper we present light curves and Fourier spectra of the various Pulsating stars observed at the MAO. This demonstrates that MAO is capable of producing high precision photometry.

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