An Improved Spin-Down Rate for the Proposed White-Dwarf Pulsar AR Scorpii

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DESCRIPTION OF DATA

In Gaibor et al. (2020), we analyzed time-series photometry of AR Scorpii. We have made the complete photometric dataset available in this repository. The data are stored in different files to indicate their provenance. Their filenames and contents are as follows.

(1) SLKT_photometry.txt

For a description of these data, see Section 2.1 of Gaibor et al. (2020). This file contains three columns: BJD_TDB, instrumental magnitude, magnitude uncertainty

(2) SAAO_photometry.txt

For a description of these data, see Section 2.2 of Gaibor et al. (2020). This file contains two columns: BJD_TDB, counts

(3-5) ultracam_r.txt, ultracam_g.txt, & ultracam_u.txt

For a description of these data, see Section 2.3 of Gaibor et al. (2020). The only difference between these files is the filter, which is indicated in the filename. Each file is structured with three columns: MJD, BJD_TDB, counts.