



EPSC Abstracts

Vol. 14, EPSC2020-697, 2020

<https://doi.org/10.5194/epsc2020-697>

Europlanet Science Congress 2020

© Author(s) 2020. This work is distributed under the Creative Commons Attribution 4.0 License.



Towards the second data release of TESS asteroid photometry

András Pál^{1,2}, Róbert Szakáts¹, and Csaba Kiss^{1,2}

¹Konkoly Observatory, Research Centre for Astronomy and Earth Sciences, Budapest, Hungary

²Eotvos University, Institute of Physics, Budapest, Hungary

By analyzing the full-frame images acquired during the first year of the TESS mission, rotation characteristics of nearly ten thousand light curves of bright asteroids were determined with a good accuracy. The continuation of this space-borne mission with its second year on the Northern Hemisphere is just ending by the summer of 2020, allowing us to extend the database. In this presentation we report the results of the initial analysis of the new data set, focusing on the similarities and differences in observational artefacts (and constraints) and the recent development of the processing pipeline.