




UV-BRITE: UV star in the BRITE-Constellation

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Variable stars



- light (flux) variability of stars
- supernovae, novae
- binary stars
- pulsating stars
- rotationally variable stars
- planet hosting stars
- ...



Variable stars: space missions

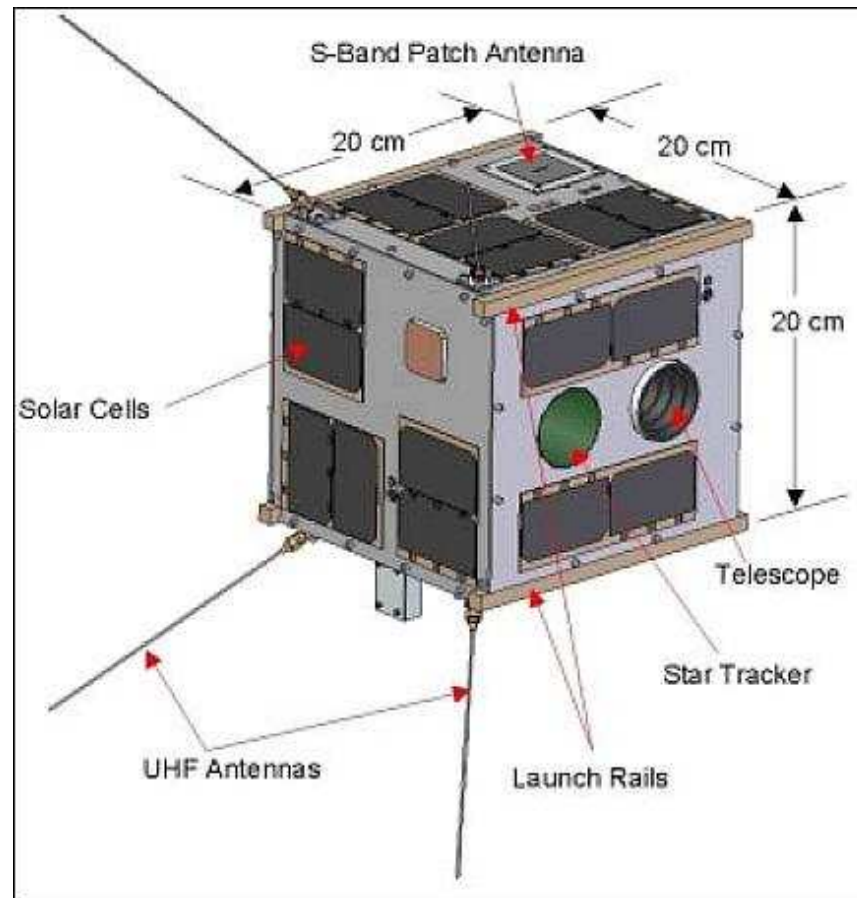


- mostly for asteroseismology and for planet hunting
- very high precision photometry, long time series
- not usable for bright stars
- CoRoT, Kepler, MOST, BRITE



BRITE-Constellation

- 6 nanosatellites (Austria, Poland, and Canada)



BRITE-Constellation



- 6 nanosatellites (Austria, Poland, and Canada)
- photometry of bright stars (mostly for asteroseismology)



Why UV-BRITE?



- bright stars are very well studied
- most of bright stars are hot \Rightarrow they emit most of their energy in UV
- possibility to study different kinds of variable stars
- there was no satellite dedicated to UV photometry
- experience with UV domain



Our team



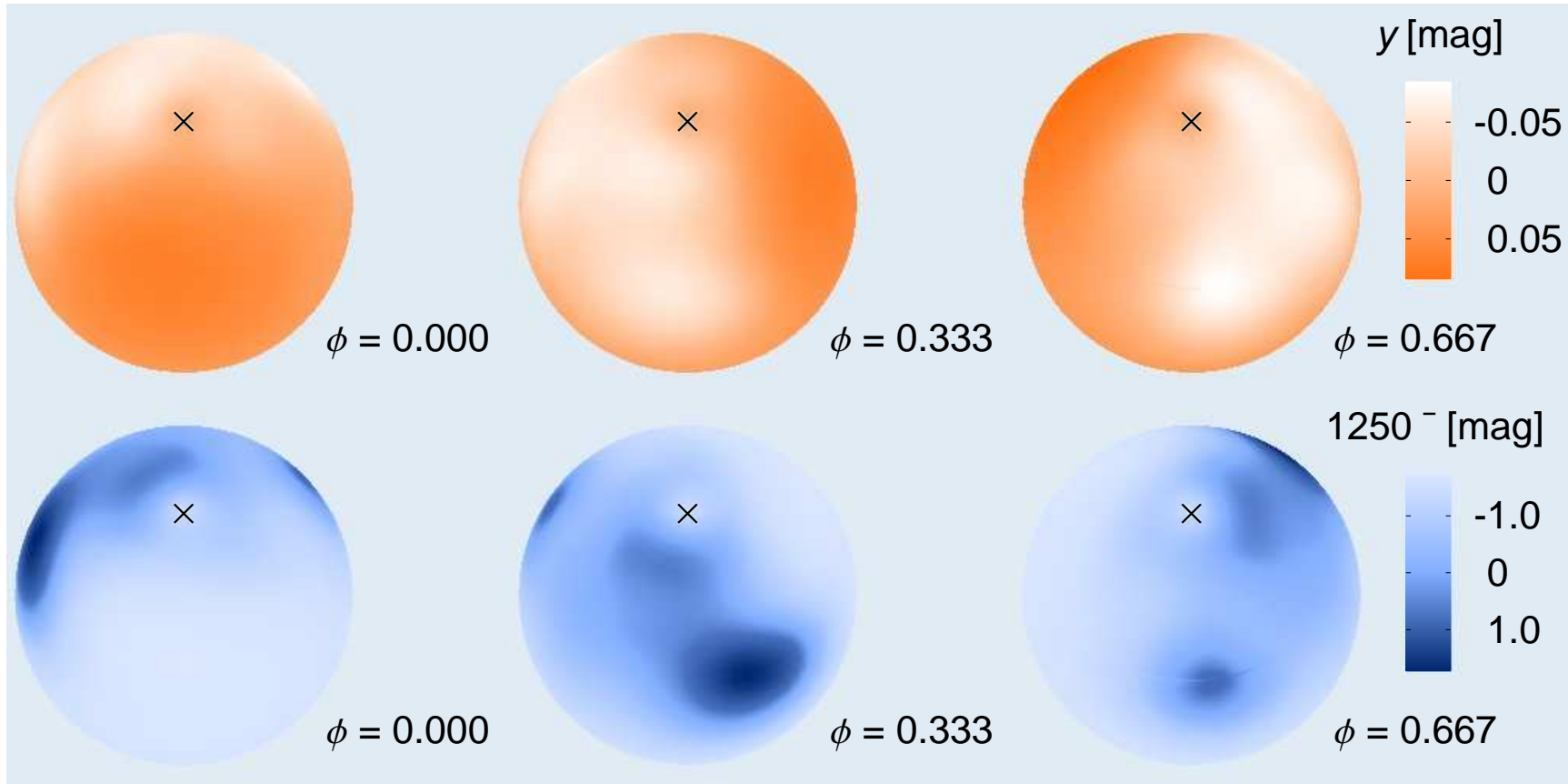
MU team:

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- Jiří Krtička
- Zdeněk Mikulášek
- Ernst Paunzen
- Miloslav Zejda

+VZLU



Example of the scientific output



CU Vir (Krtička et al. 2012)