

Up To **10 times**
Longer Lasting
Power*



BRITE-Constellation – operational state



BRITE-Austria (BAb)
Uni-BRITE (UBr)

25.02.2013 science operations
25.02.2013 no fine pointing



BRITE-Lem (BLb)
BRITE-Heweliusz (BHr)

21.11.2013 no fine pointing
19.08.2014 science operations



BRITE-Toronto (BTr)
~~BRITE-Montreal (BMb)~~

19.06.2014 science operations
~~19.06.2014~~

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19.06.2014 science operations
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End of financing at the Austrian and Canadian sides

→ Poland is taking over BTr operations

Warsaw ground station is kept in best possible working condition

B Hr and BTr could still deliver useful science data for many years

BRITE-Constellation – 10 years in space



Expand All | Collapse All

EAS 2023

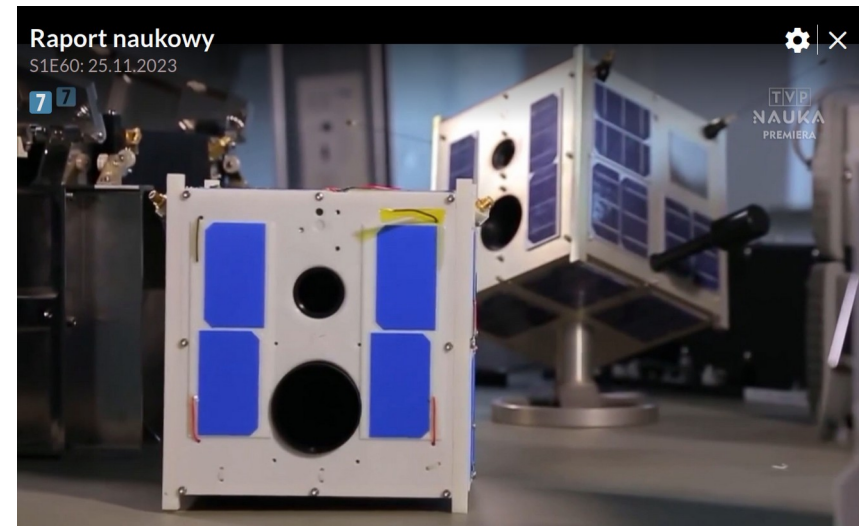
Welcome & News

Symposium S5

13-14 July 2023

From stellar variability to stellar structure and evolution

The screenshot shows the website 'NAUKA W POLSCE' with the logo of the Ministry of Science and Higher Education. The navigation menu includes 'KOSMOS', 'HISTORIA I KULTURA', 'CZŁOWIEK', 'ZDROWIE', 'ŻYCIE', 'ZIEMIA', and 'MATERIA'. The breadcrumb trail is 'Strona główna > Kosmos'. A red 'KOSMOS' tag is present. The article title is 'Lem - pierwszy polski satelita naukowy już 10 lat na orbicie', dated 21.11.2023, with a social media sharing bar below it.



Refereed BRITE publications in 2023

Oplištilová A., Mayer P., Harmanec P., Brož M., Pigulski A., Božić H., Zasche P., Šlechta M., Pablo H., Kołaczek-Szymański P.A., Moffat A.F.J., Lovekin C.C., Wade G.A., Zwintz K., Popowicz A., Weiss W.W. , “Spectrum of the secondary component and new orbital elements of the massive triple star δ Ori A”, A&A 672, A31

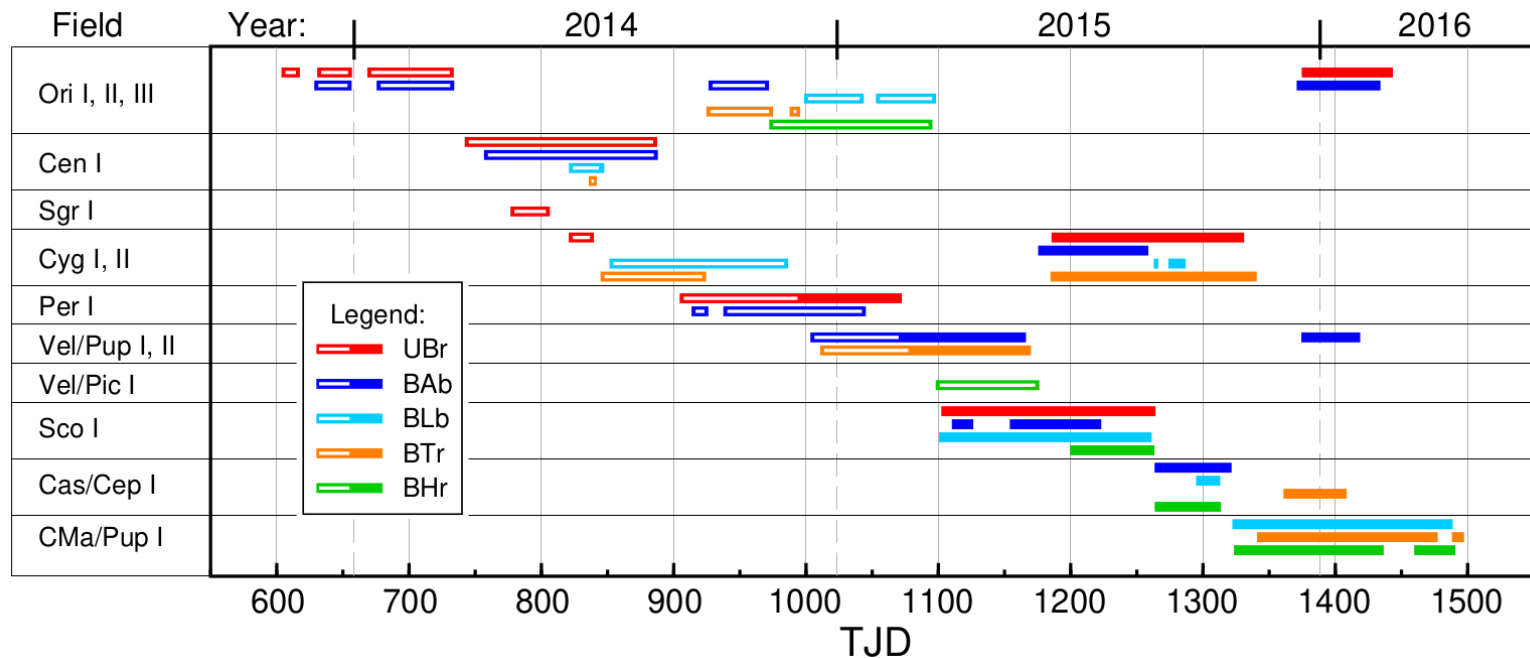
Barclay K.D.G., Rosu S., Richardson N.D., Chené A.-N., St-Louis N., Ignace R., Moffat A.F.J., „Using CHIRON spectroscopy to test the hypothesis of a precessing orbit for the WN4 star EZ CMa“, MNRAS 527, 2198

Zwintz, K., Pigulski, A., Kuschnig, R., ... Handler, G., ... Smolec, R., ... Zocłońska, E., “Catalogue of BRITE-Constellation targets I. Fields 1 to 14 (November 2013 - April 2016)”, A&A, in press (arXiv:2311.18382)

The first “BRITE catalog paper”

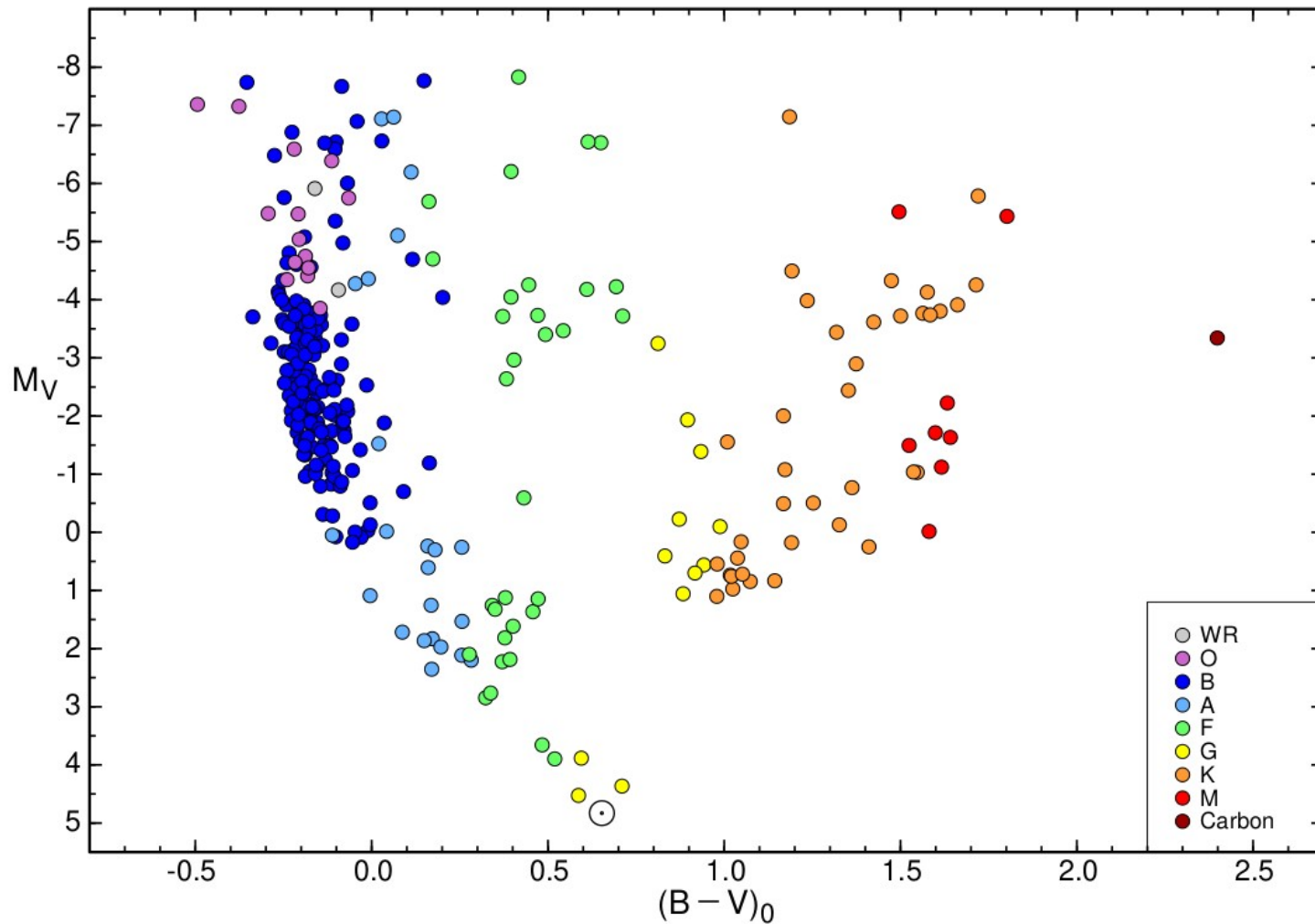
Decorrelated photometry for the first 14 science fields

300 stars, 2.5 yr of data



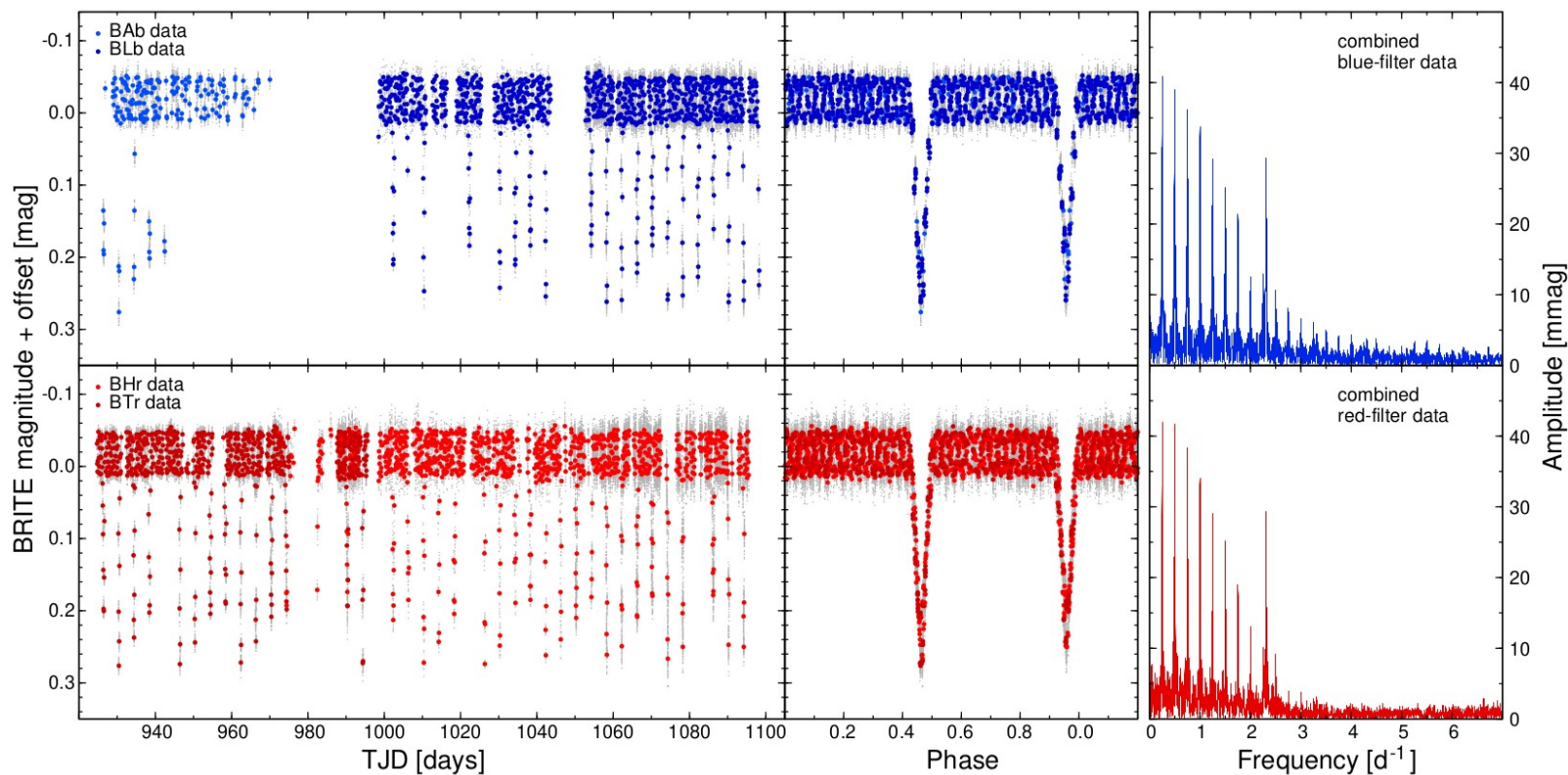
The first “BRITE catalog paper”

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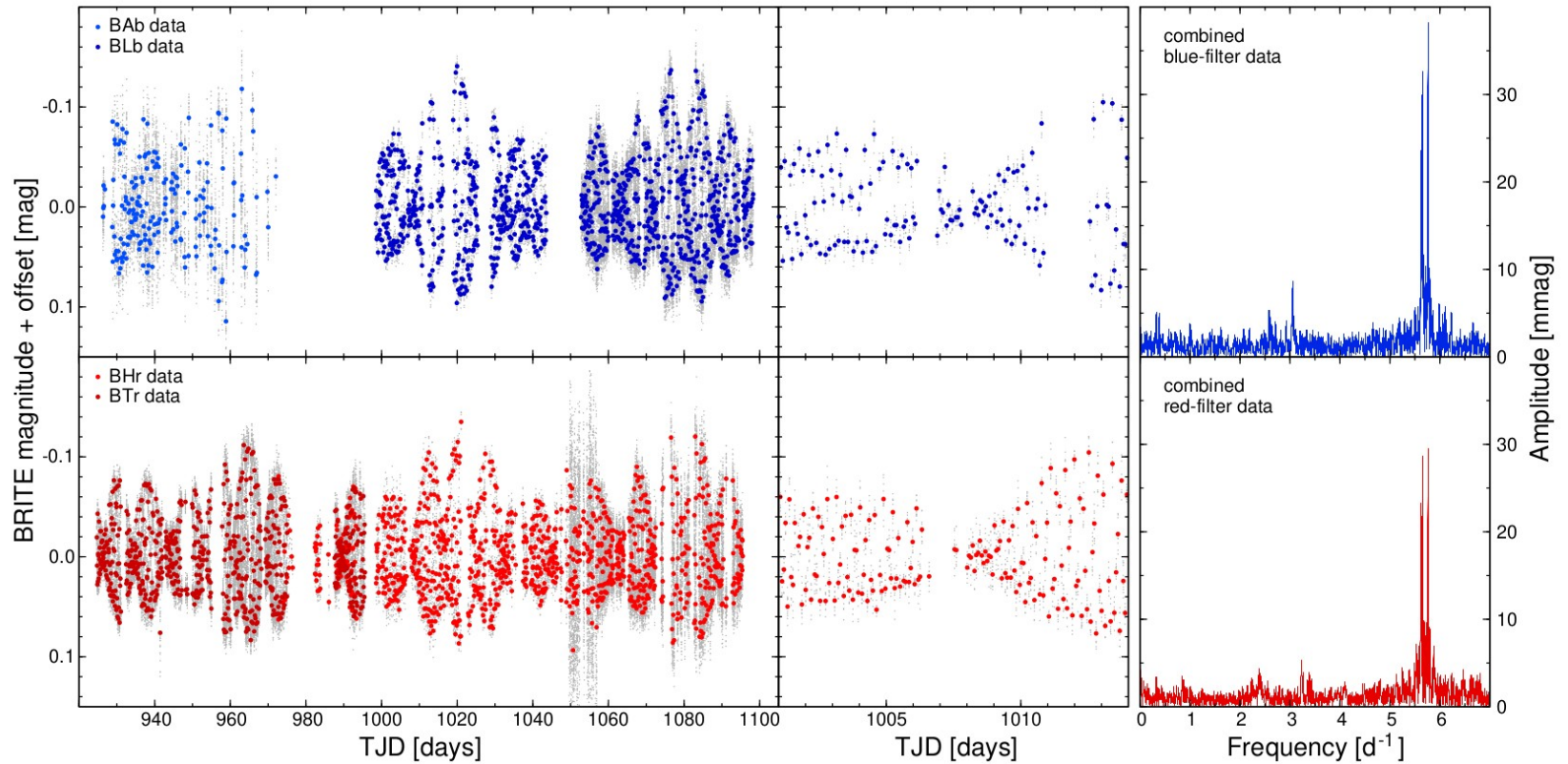
The first “BRITE catalog paper”

Some examples: eclipsing binary η Ori



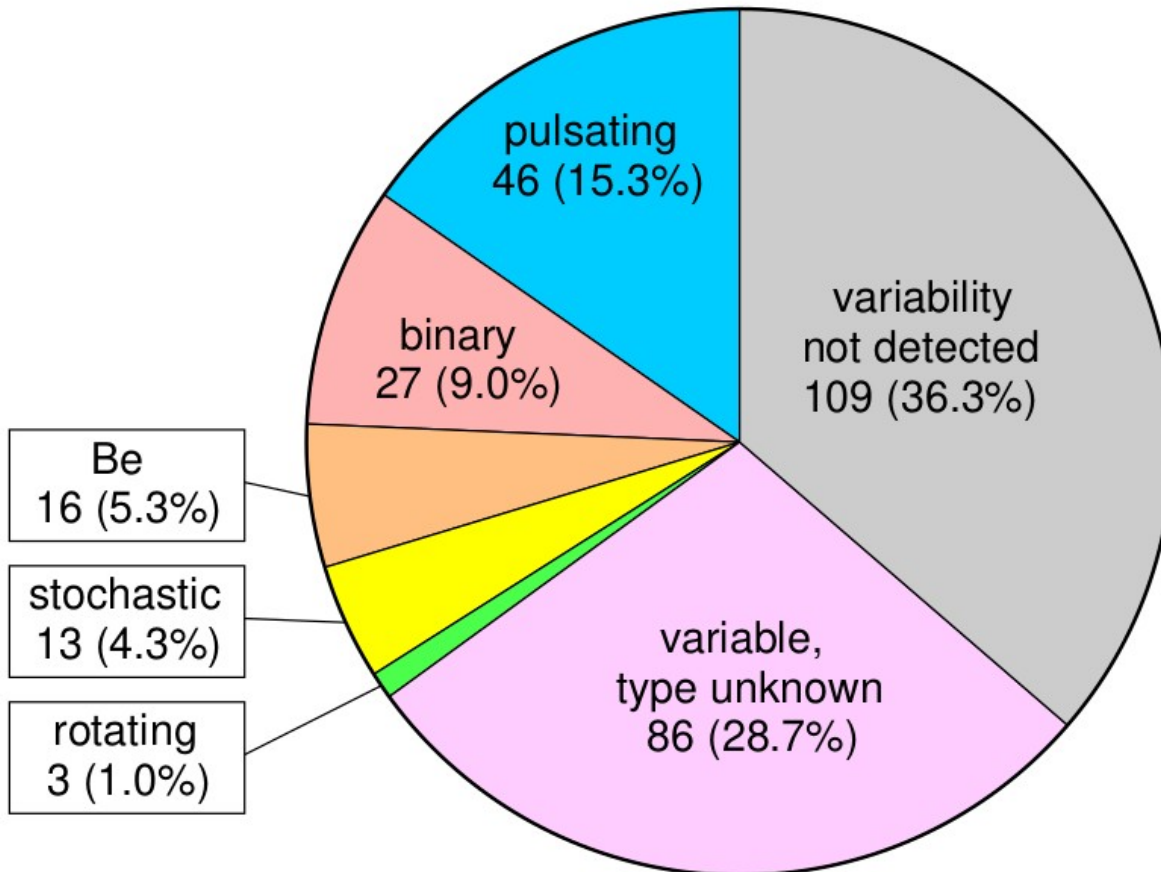
The first “BRITE catalog paper”

Some examples: β Cep pulsator ν Eridani



The first “BRITE catalog paper”

Variable star classification – something to do for the community



Plans for idle satellites

What to do with the satellites that no longer deliver science data?

BLb can be used as a trial object for a space junk cleaning mission

It can also be used as a test object for tracking space debris not designed for being tracked

Development of a different ADCS system for trying to bring BLb back into fine pointing (or gaining experience in its development)

Investigations of the response of technical components to long expositions to conditions in space