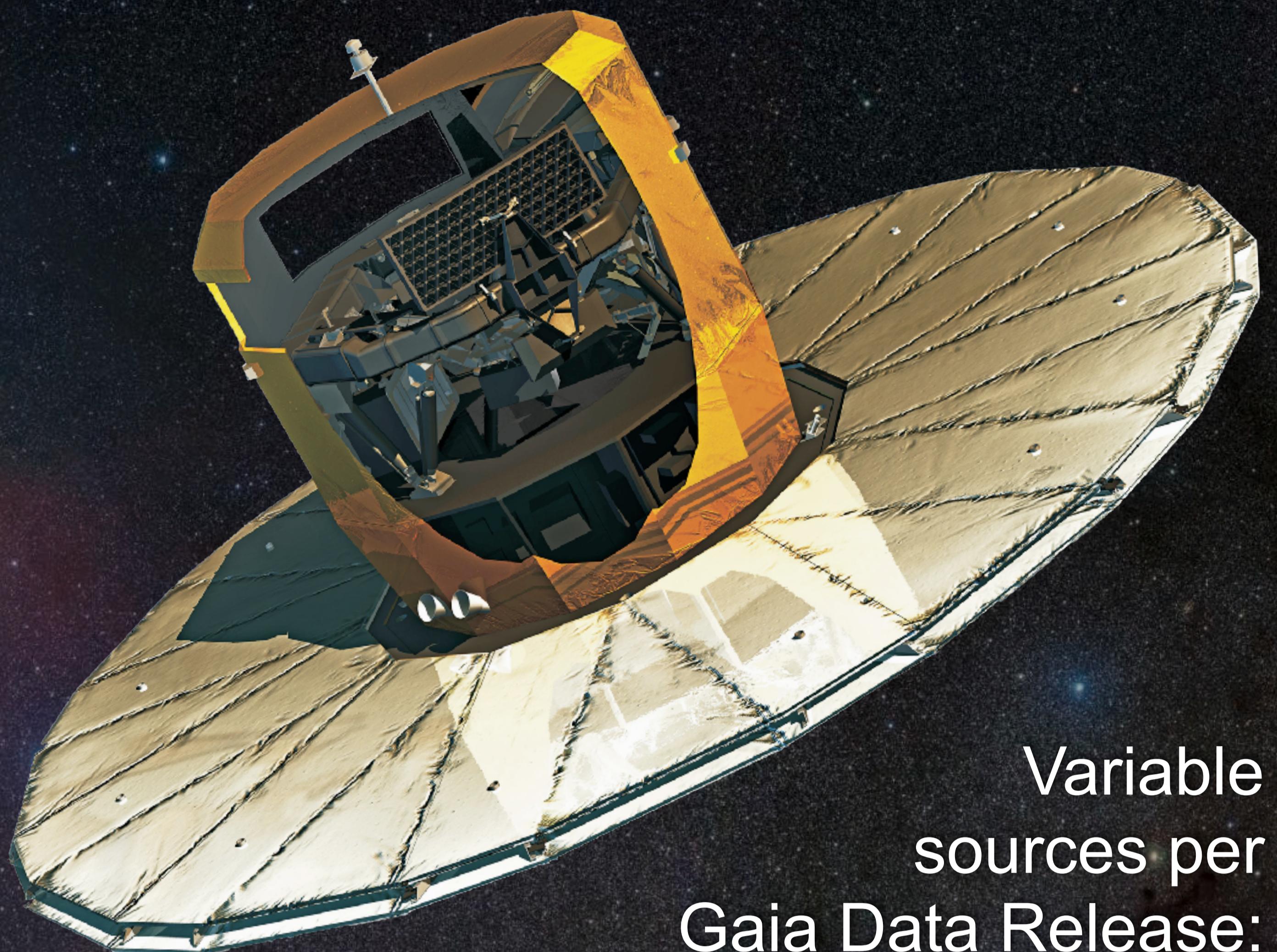


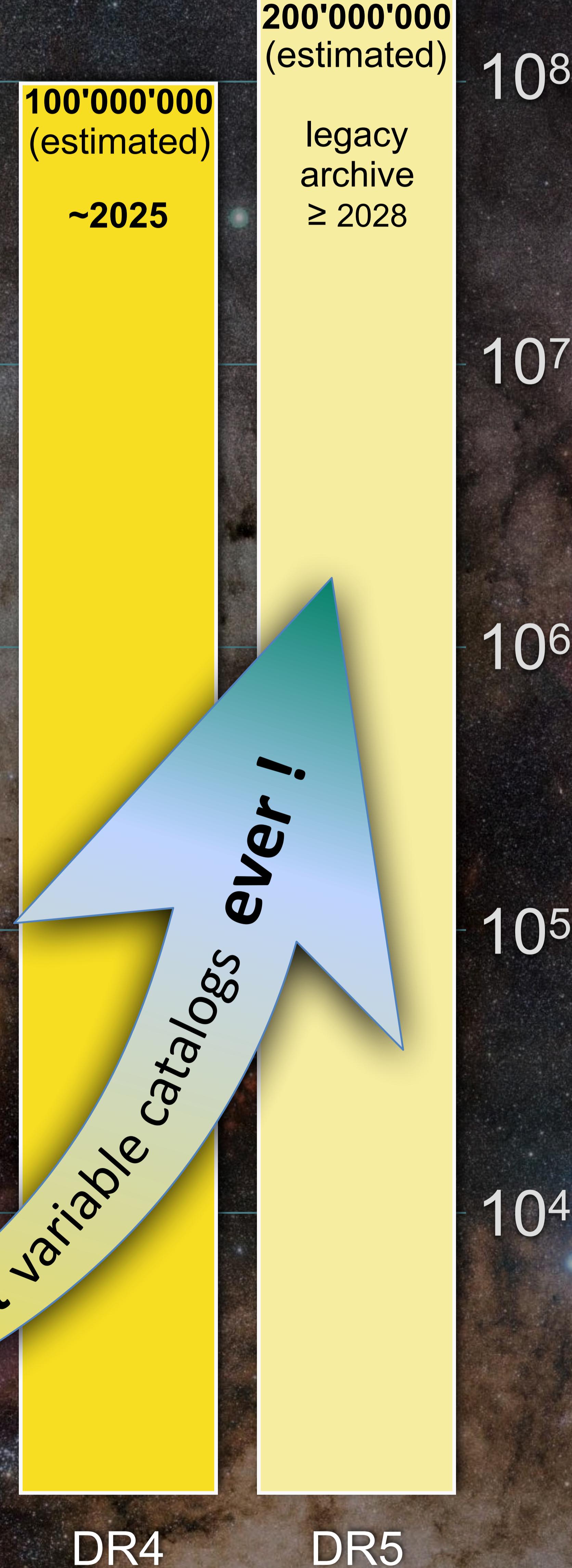
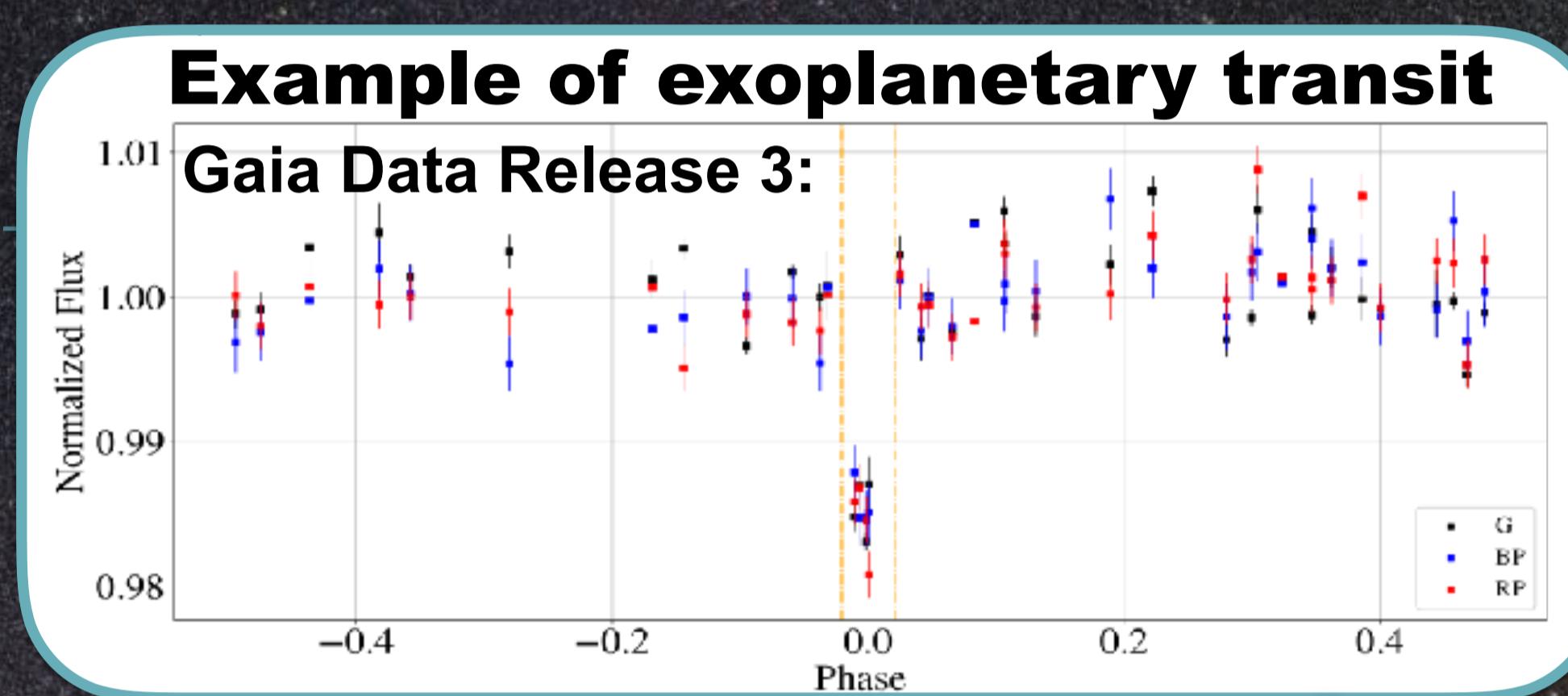
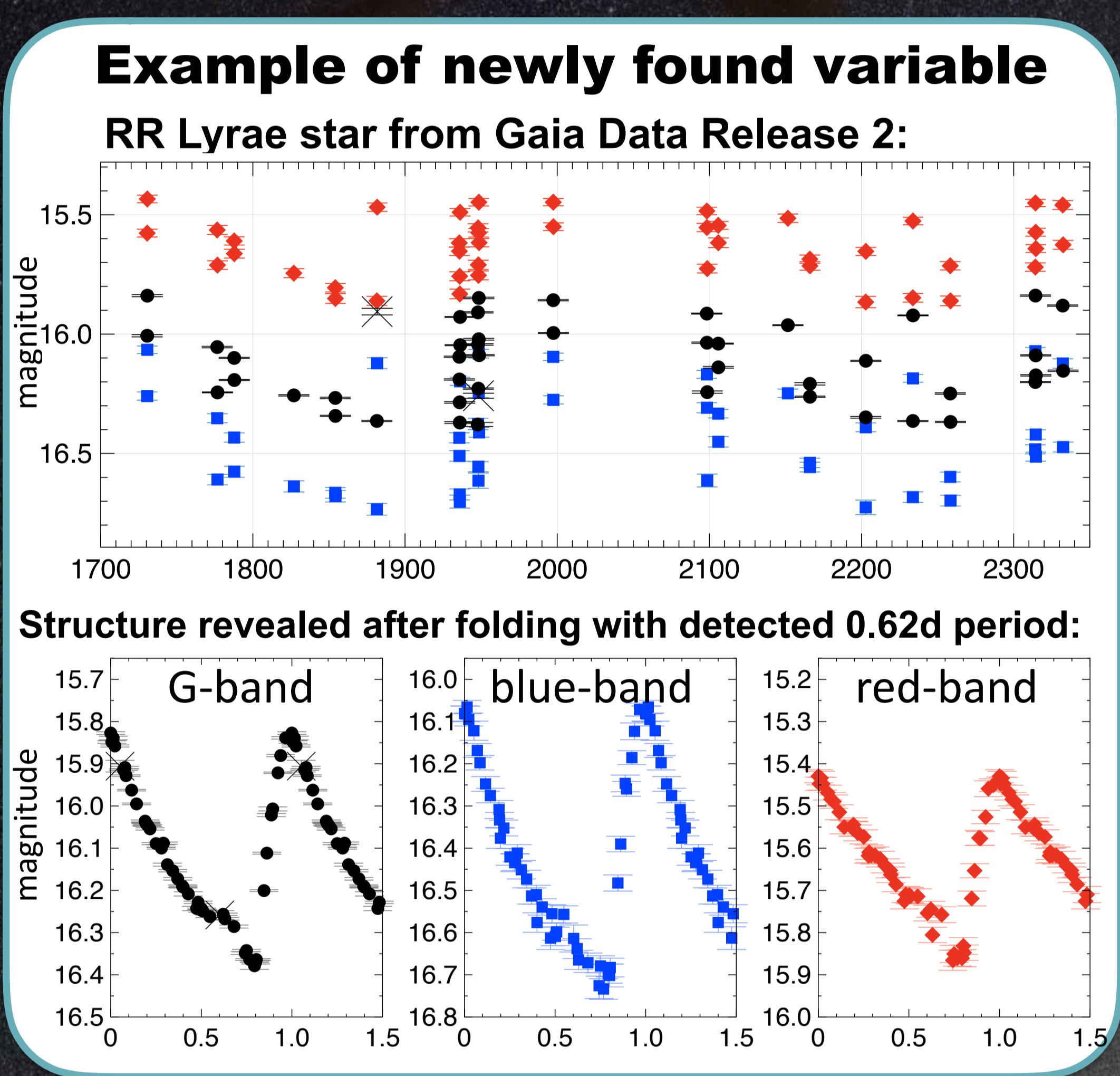
Gaia The 2 billion-star mission



- ★ Survey of the Milky Way
- ★ Simultaneous astrometric, photometric and spectroscopic observations
- ★ Three photometric bands
- ★ High-resolution spectrograph
- ★ >45 epochs over 5(+) years



Variable sources per Gaia Data Release:



Switzerland

- ✓ Responsible for the variability processing & analysis
- ✓ Develops automated methods to search for variability in:
**~523 billion observations of
~1.8 billion sources**
- ✓ Application of state of the art:
 - Machine Learning
 - Big Data analyses

3'194
Sep 2016

DR1

DR2

DR3

DR4

DR5

Contact: Laurent.Eyer@unige.ch

Poster design: Berry Holl, credit background photo: ESO/S. Guisard

