

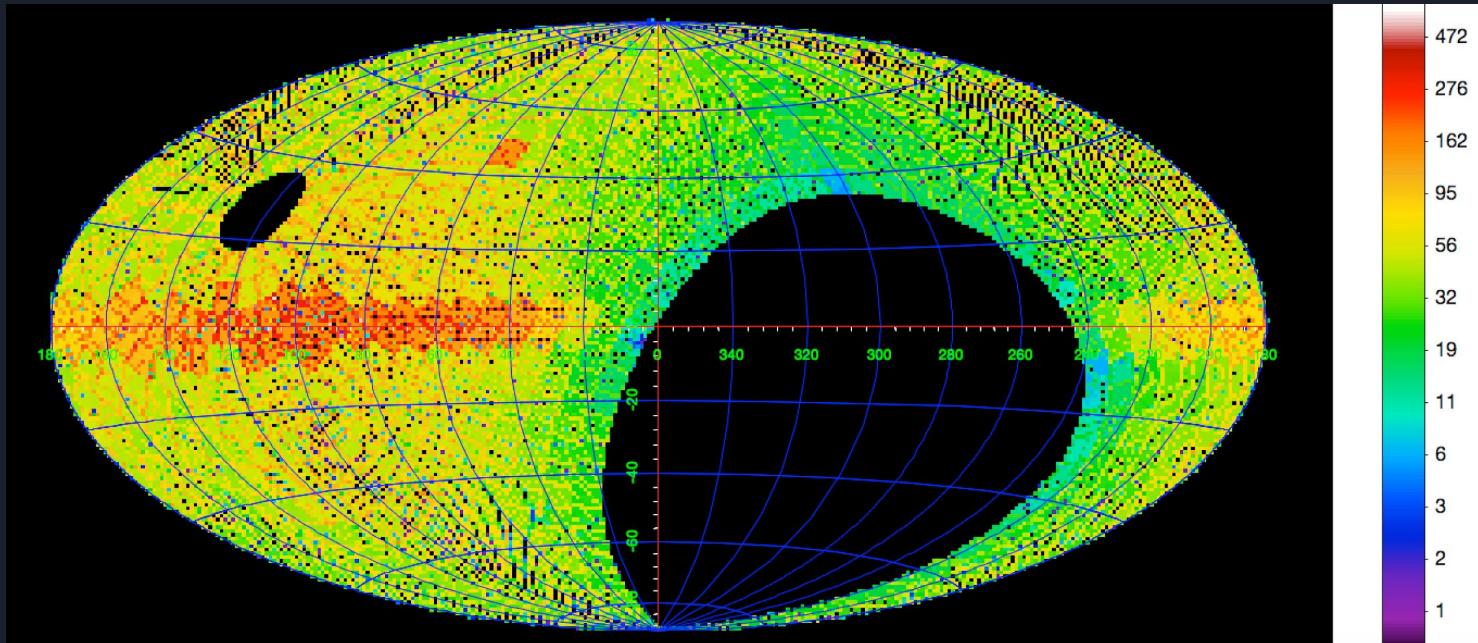


Finding Eclipsing Binary Star Systems

London Willson

Context

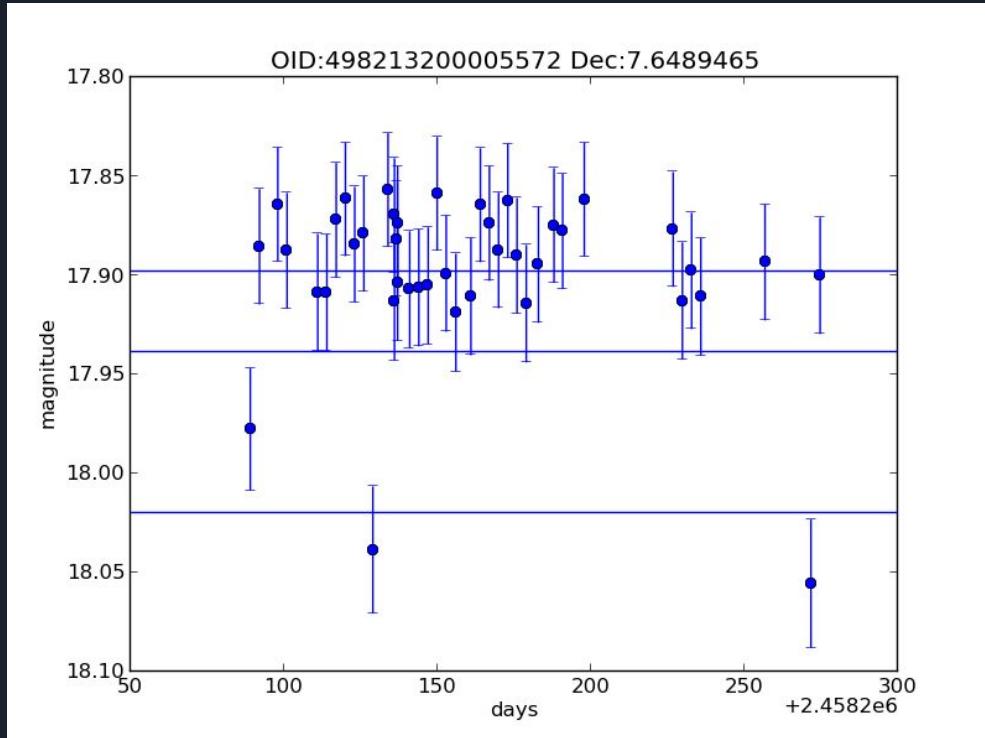
- Zwicky Transient Facility (ZTF)



Masci, F. J., Laher, R. R., Rusholme, B., et al. 2018, *The Zwicky Transient Facility: Data Processing, Products, and Archive*, PASP, 131, 995.

Current Goal

- Find real eclipsing systems
- Method:
 - Python
 - SIMBAD
- Follow up observations





Future implications

- Learn binary system parameters
 - Radii and orbital period
- Learn merger outcome