

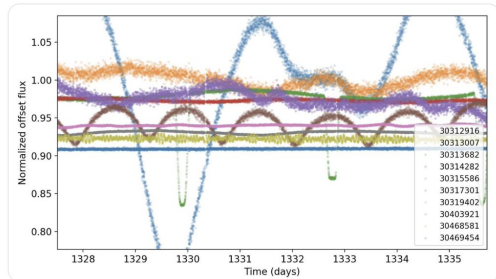
# Meredith Rawls



Meredith Rawls

@merdiff

We interrupt this Thursday to remind you that space is kind of amazing. These are all binary and/or variable stars changing in brightness over time as observed by [@NASA\\_TESS](#)



3:21 PM - 28 Mar 2019

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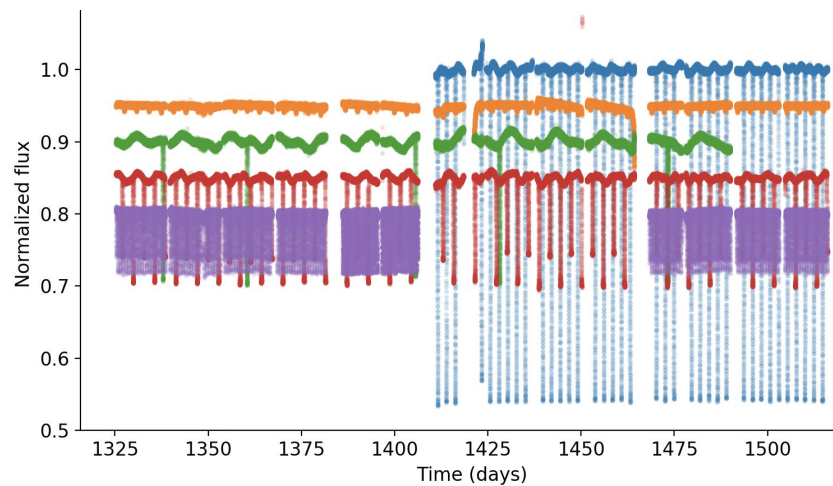
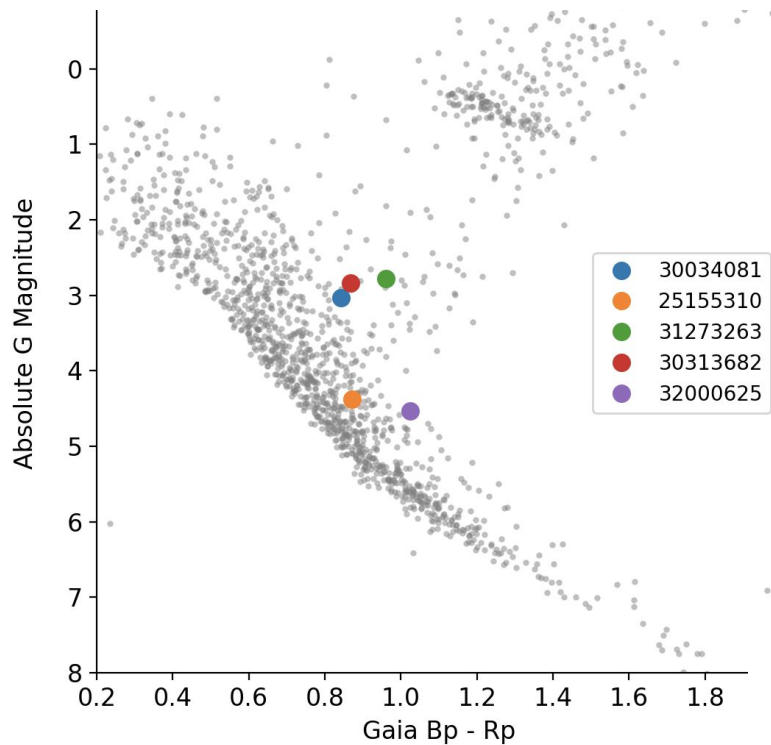
Meredith Rawls @merdiff · 19h

Anybody who tries to tell you stars are constant is lying 🌟👽

2 1 15

- Wrote a python function to plot multiple sectors of a TESS light curve given only the target ID
  - Uses `lightkurve` package
  - Downloads data on the fly only if necessary
  - Gracefully skips sectors with no data
- Manually inspected 100 of Jim's ~1800 `hellotess` maybe-eclipsing-binaries (EBs)
  - Found 5 definitive eclipsing systems (1 exoplanet!)
- Crossmatched maybe-EBs with Gaia to refine search for evolved stars
- Achieved Level 🐟 on Daniela's EB classifier

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*Artisanal, hand-selected  
eclipsing systems*