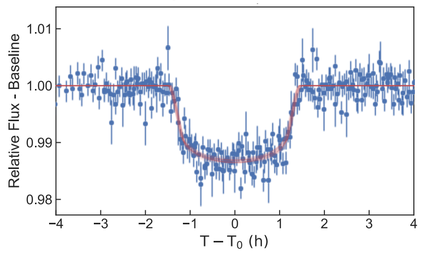
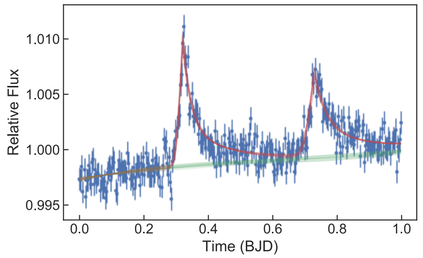
Allesfitter: A Capable TESS Data Analysis Tool

Allesfitter simultaneously models TESS photometric and RV data to produce publication-ready plots and tables for:

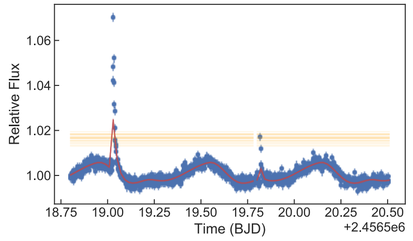
Exoplanet Transits



Stellar Flares



Stellar Variability



Allesfitter also fits:

- Binaries
- RV Signals
- Multi Planet Systems

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Allesfitter in the Cloud:

An All-in-One Classroom and Outreach Tool for Fitting TESS Data and More

MORE ABOUT ALLESFITTER

Allesfitter as a Classroom Teaching Tool

Allesfitter's easy-to-use Jupyter Notebook interface is now hosted online in a JupyterHub with Digital Ocean cloud services, which means:

- No coding knowledge is required to run Allesfitter
- No software installation is required – just put the URL into a web browser and you can access the Allesfitter JupyterHub
- Up to roughly 30 students can access the Allesfitter JupyterHub, where each student has their own copy of the Allesfitter GUI and can work with different data sets

Contact maxgue@mit.edu if you want to use Allesfitter as an educational tool!

Looking for instructive data sets to showcase different stellar/exoplanet occurrences with Allesfitter?

There are several tutorials on GitHub that are perfect for showcasing different astronomical events with photometric data. Scan the QR code to the left for more information!