Exercise 11. Exoplanet Transits

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**====================== Exoplanet 1 ======================**

Catalog designation: \_\_\_\_\_\_KIC 757450\_\_\_\_\_\_\_

Orbital (transit) Period: \_8.888\_\_\_\_\_\_\_\_\_\_\_ [days] Transit Duration: \_\_\_\_\_0.1\_\_\_\_\_\_\_\_\_\_ [days]

Relative Brightness Maximum and Minimum: \_\_\_\_1.0005\_\_\_\_\_\_\_\_ \_\_\_\_\_0.9825\_\_\_\_\_\_\_

Fraction of light blocked: \_\_\_0.017991\_\_\_\_\_\_\_\_

Stellar radius: \_\_\_\_\_0.843\_\_\_\_\_\_\_\_\_\_ []

Stellar Effective Temperature: \_\_\_\_\_\_5332\_\_\_\_\_\_\_ [°K]

Light Curve:

A picture containing diagram

Description automatically generated

**====================== Exoplanet 2 ======================**

Catalog designation: \_\_\_\_\_\_\_KIC 8191672\_\_\_\_\_\_\_\_\_\_\_\_

Orbital (transit) Period: \_\_\_\_\_17.587\_\_\_\_\_\_\_\_ [days] Transit Duration: \_\_\_\_\_\_0.14\_\_\_\_\_\_\_\_\_ [days]

Relative Brightness Maximum and Minimum: \_\_\_\_\_1.0005\_\_\_\_\_\_\_ \_\_\_\_\_0.995\_\_\_\_\_\_\_

Fraction of light blocked: \_\_\_\_0.005497\_\_\_\_\_\_\_

Stellar radius: \_\_\_\_\_\_1.746\_\_\_\_\_\_\_\_\_ []

Stellar Effective Temperature: \_\_\_\_\_\_6290\_\_\_\_\_\_\_ [°K]

Light Curve:

Chart, scatter chart

Description automatically generated