---- Planet
$$\lambda_p = 2.898 \ \mu m$$
 ---- Star $\lambda_p = 0.502 \ \mu m$ $\frac{F_p}{F_*} = \frac{B_{\lambda}(T_p)}{B_{\lambda}(T_*)} \left(\frac{R_p}{R_*}\right)^2$

