

ob161195/mb16350: The Lowest Mass Ratio Planetary Microlens (so far)

Solar-like source star:
 $V-I=0.705$

Directly measured:

$$q=4.2 \times 10^{-5}$$

$$s=1.07 \text{ (wide), } 0.99 \text{ (close)}$$

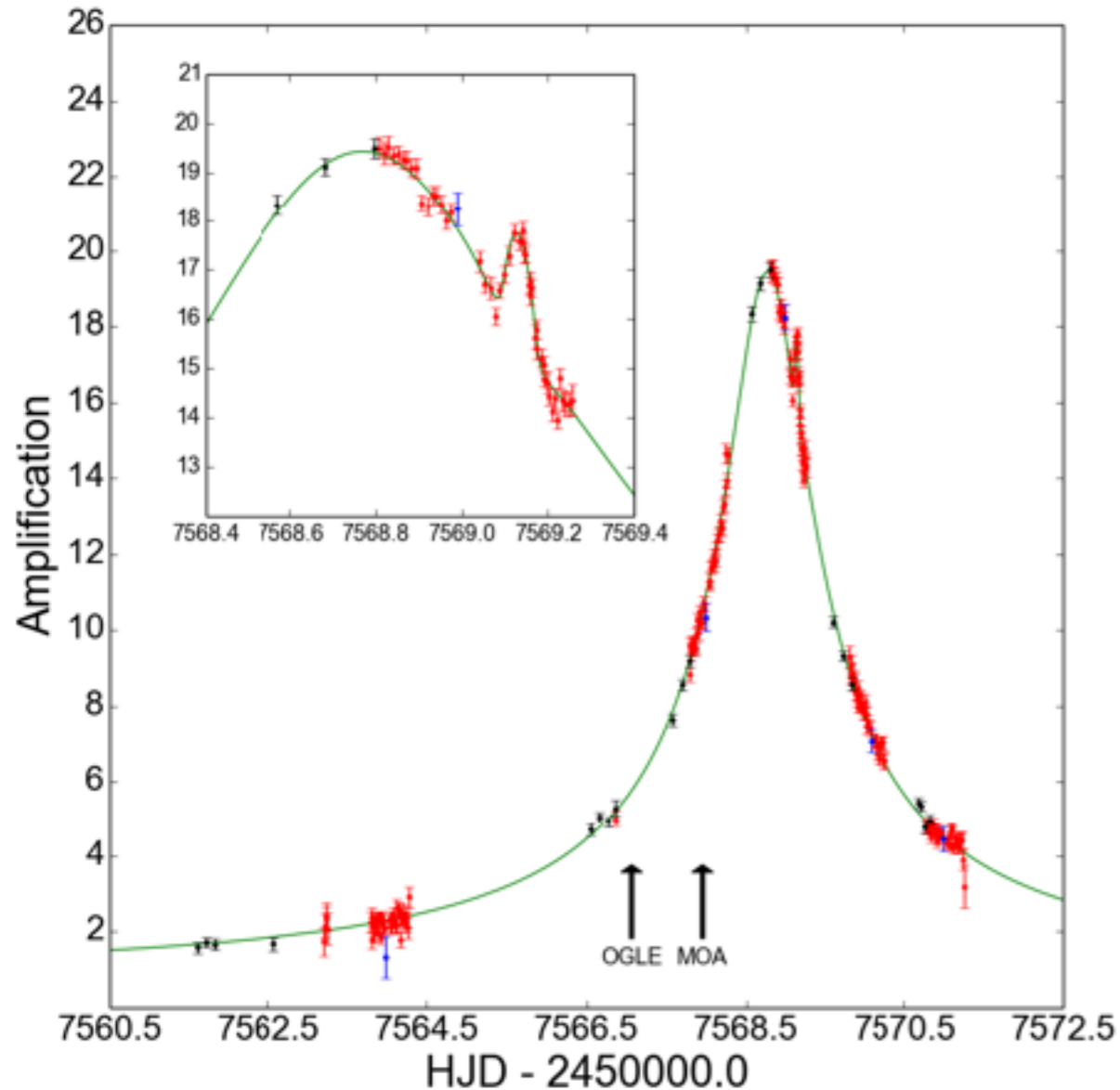
Estimated:

$$M_p = 2.7 M_{\text{Earth}}$$

$$M_{\text{star}} = 0.2 M_{\text{Sun}}$$

$$a_{3D}=1.8/1.9 \text{ AU}$$

$$D_{\text{lens}}=7.3 \text{ kpc}$$



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