

Exoplanets on the Edge

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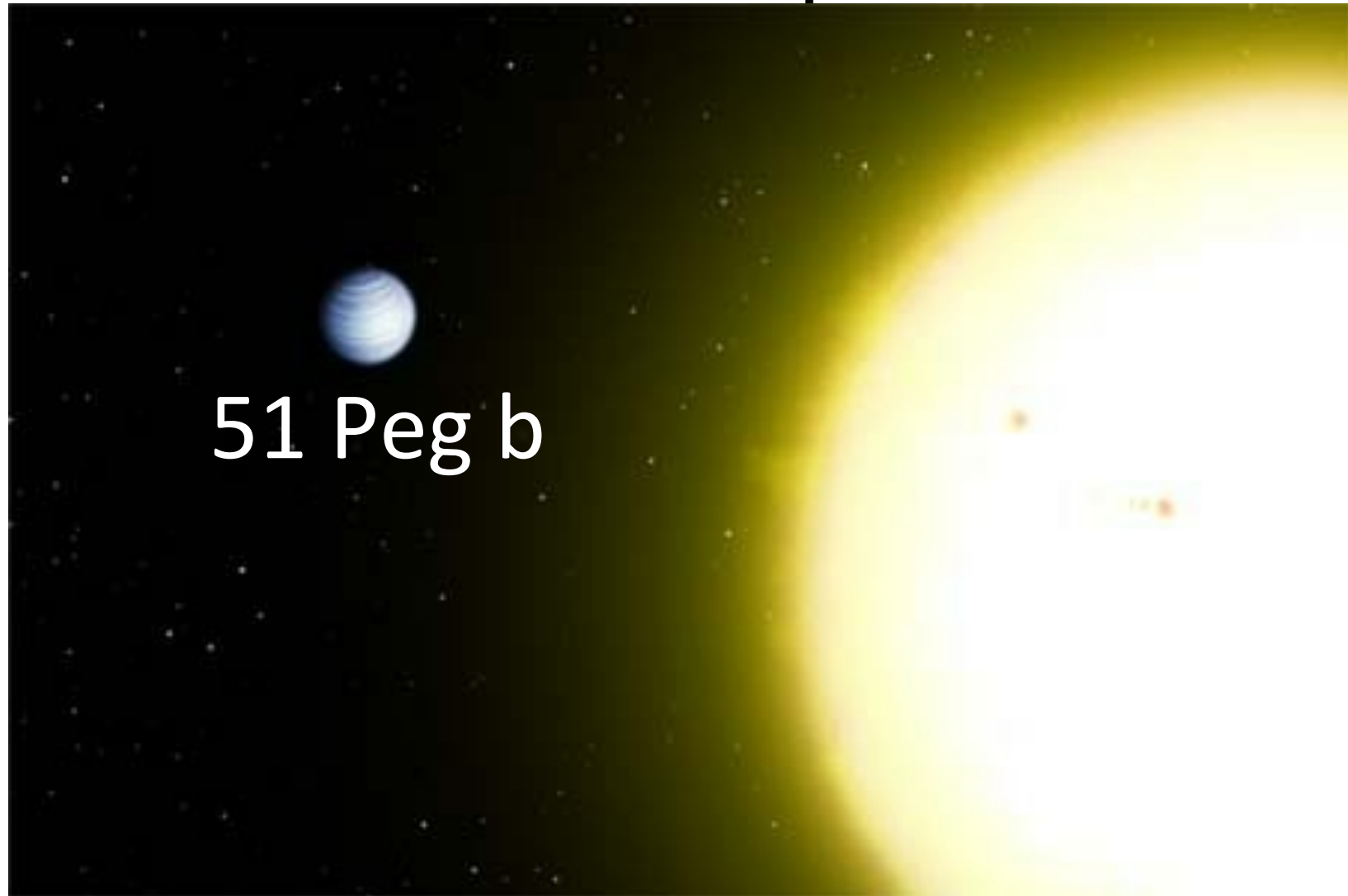
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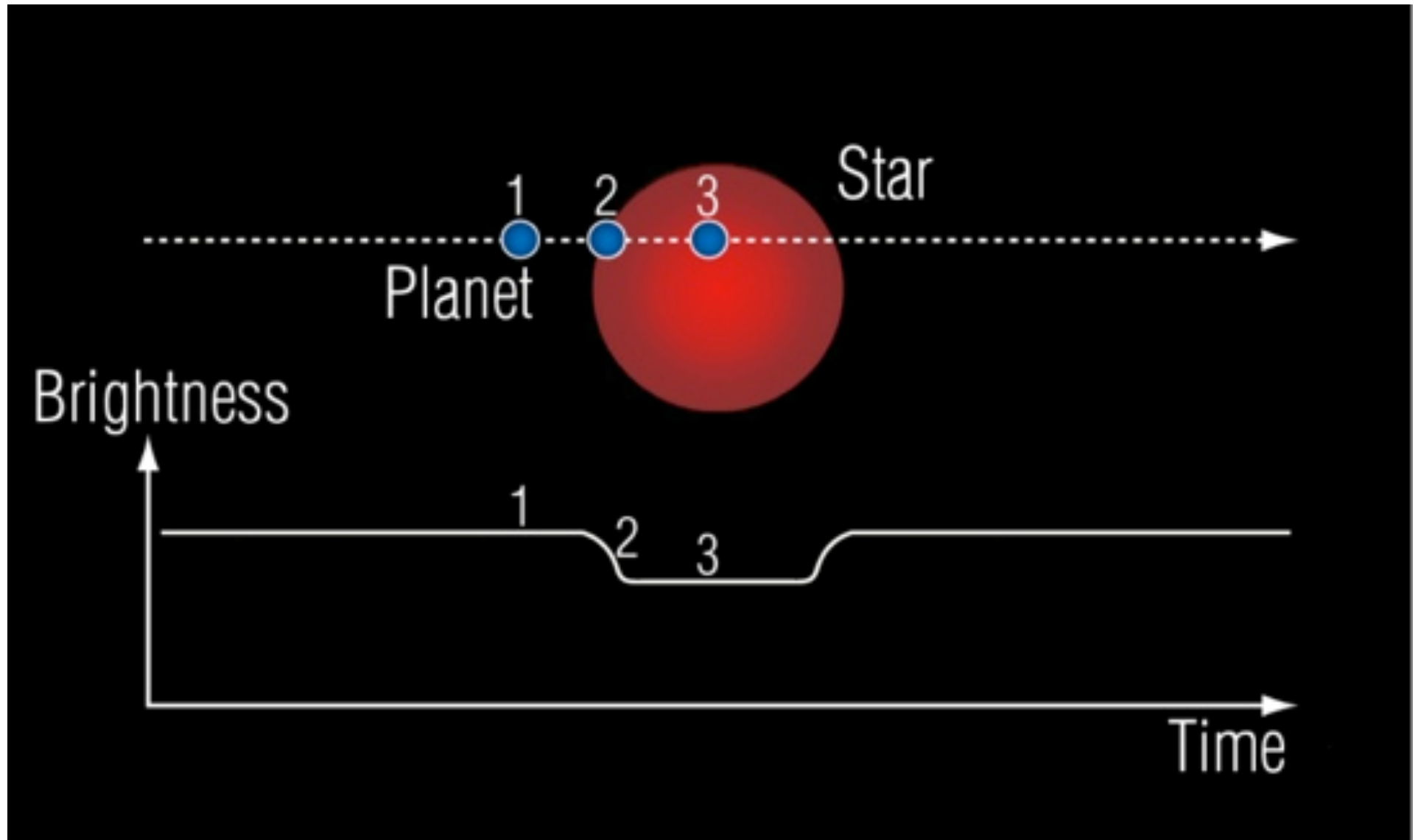
The punchline

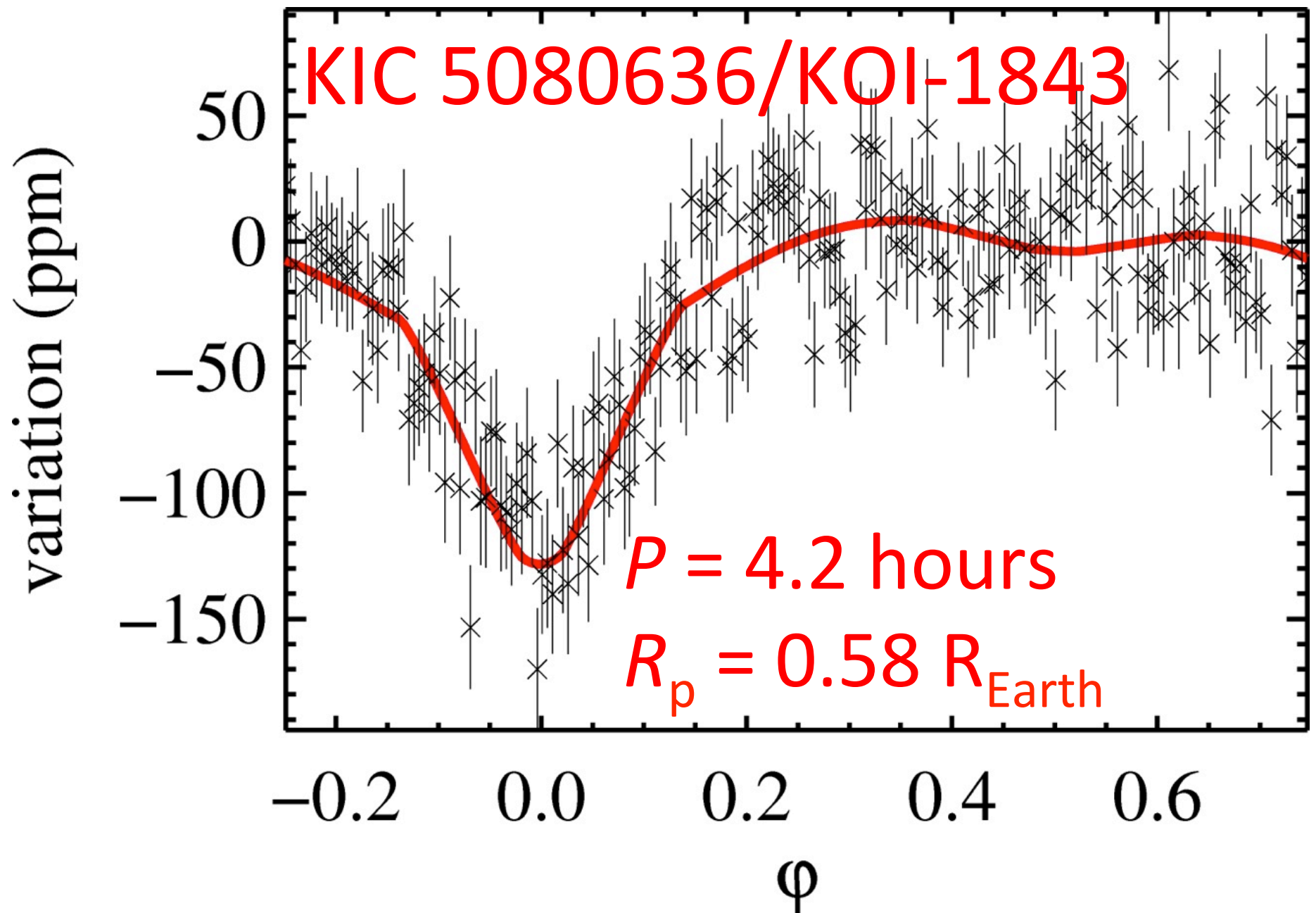
- Data from the *Kepler* mission revealed 4 planetary candidates more than 20 times closer to their suns than Mercury
- If confirmed, they will be among closest planets to their stars ever discovered
- Temperatures hotter than 3,000° F and covered by molten rock

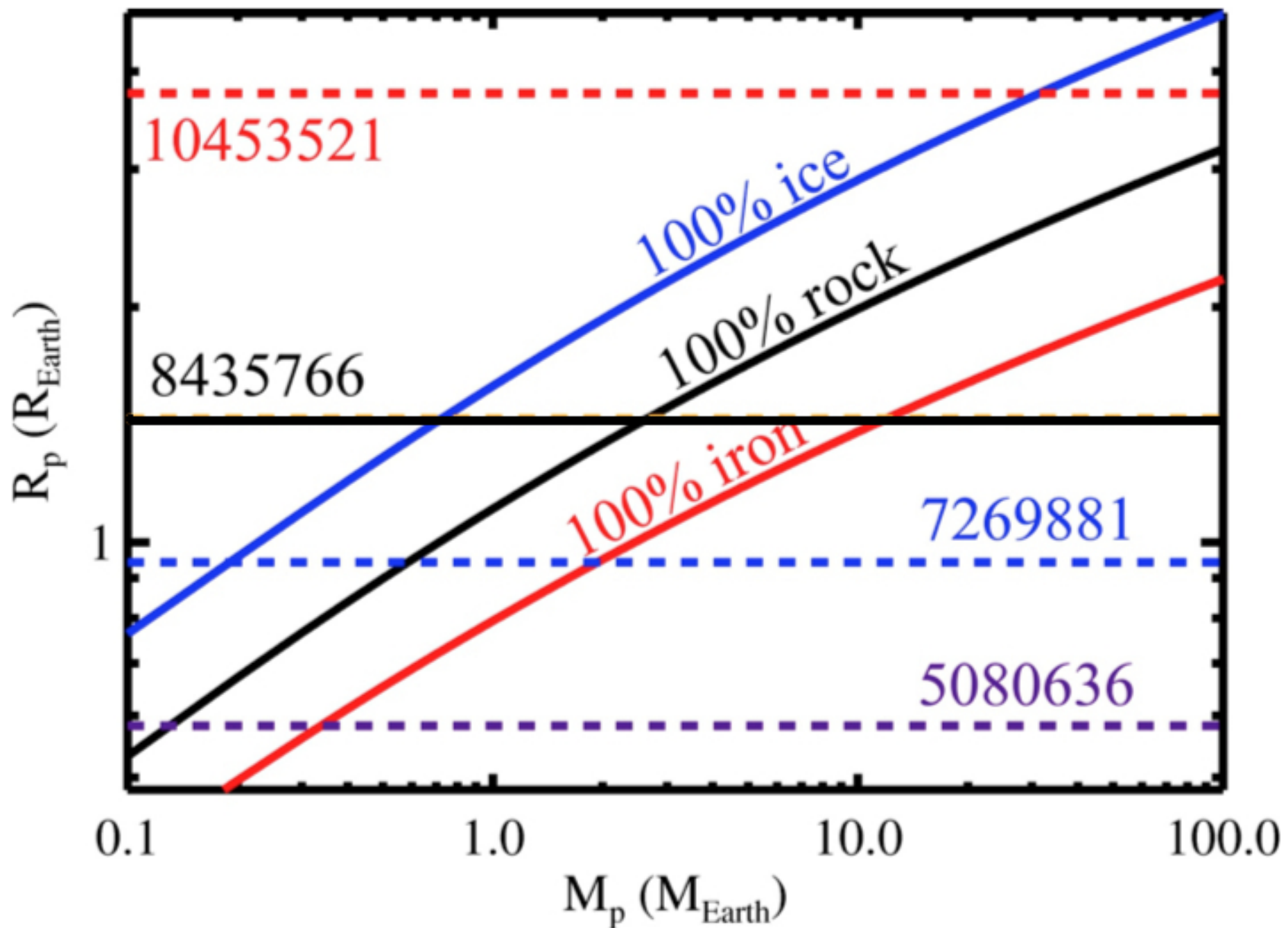
Exoplanets have defied astronomers' expectations

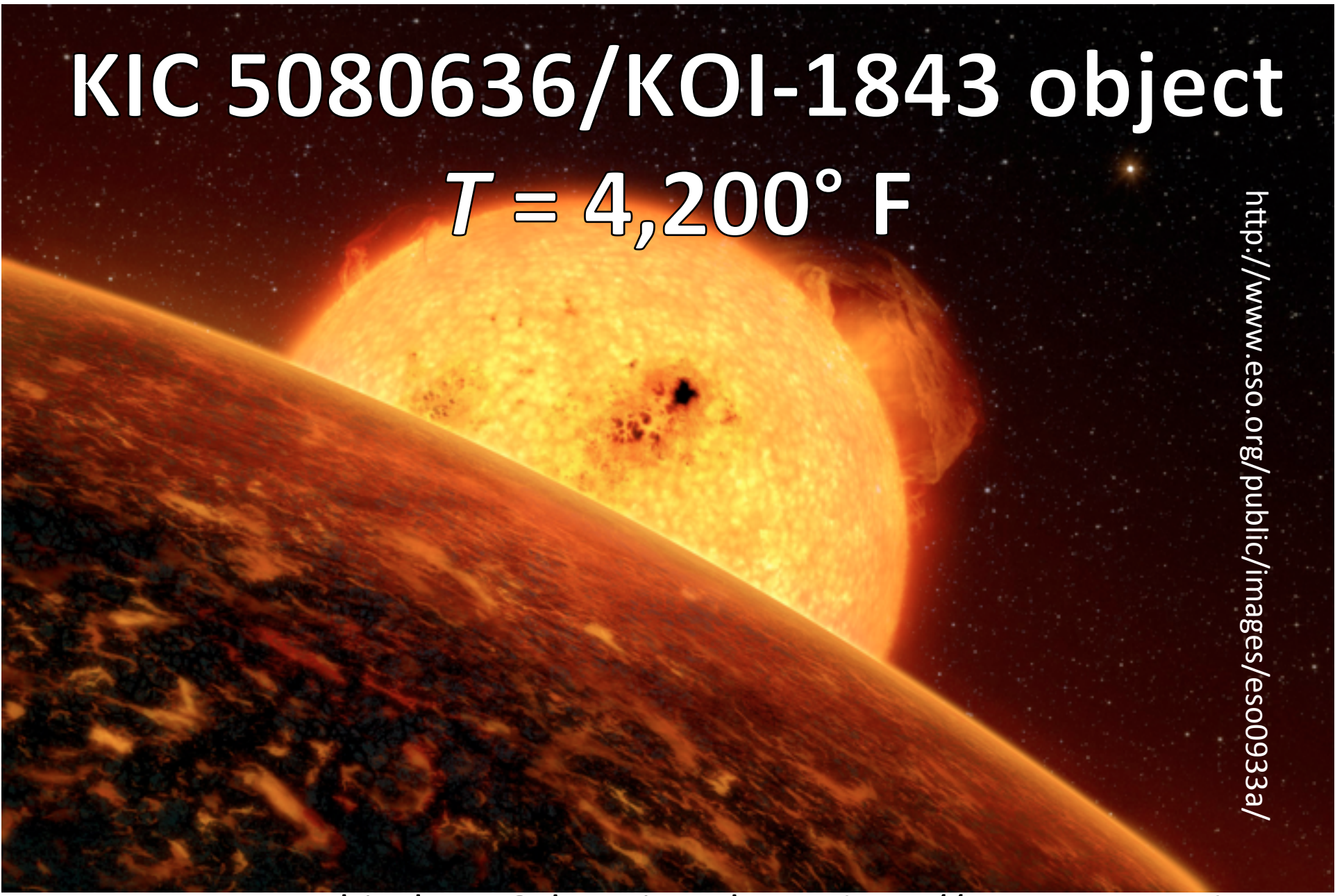


Looking for planetary transits with *Kepler*









KIC 5080636/KOI-1843 object

$T = 4,200^{\circ} \text{ F}$

<http://www.eso.org/public/images/eso0933a/>

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