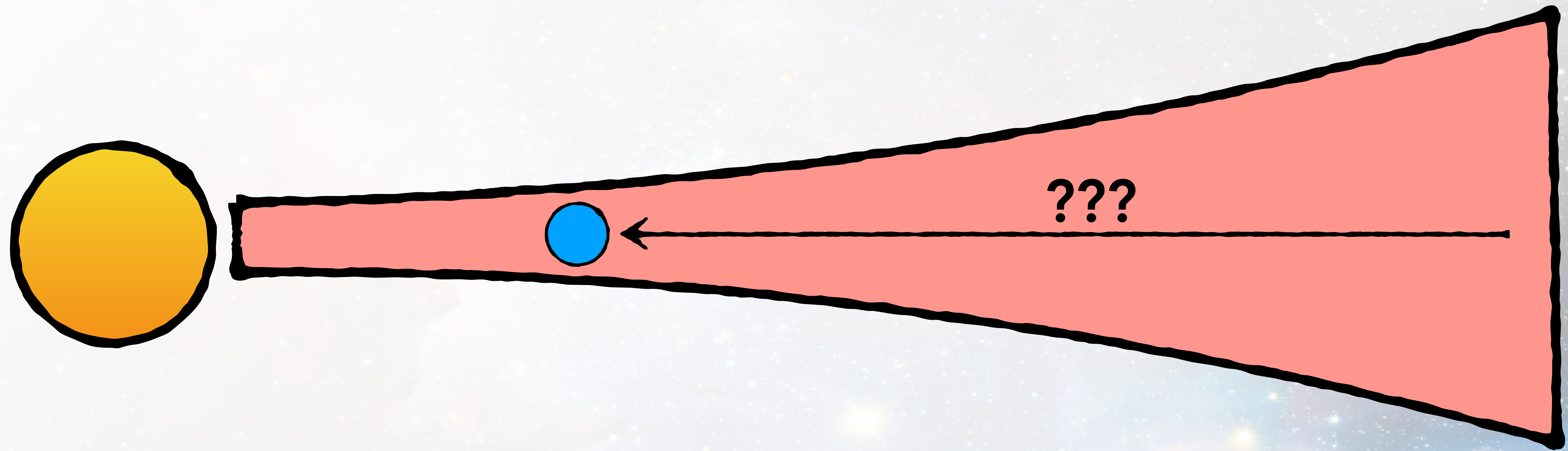
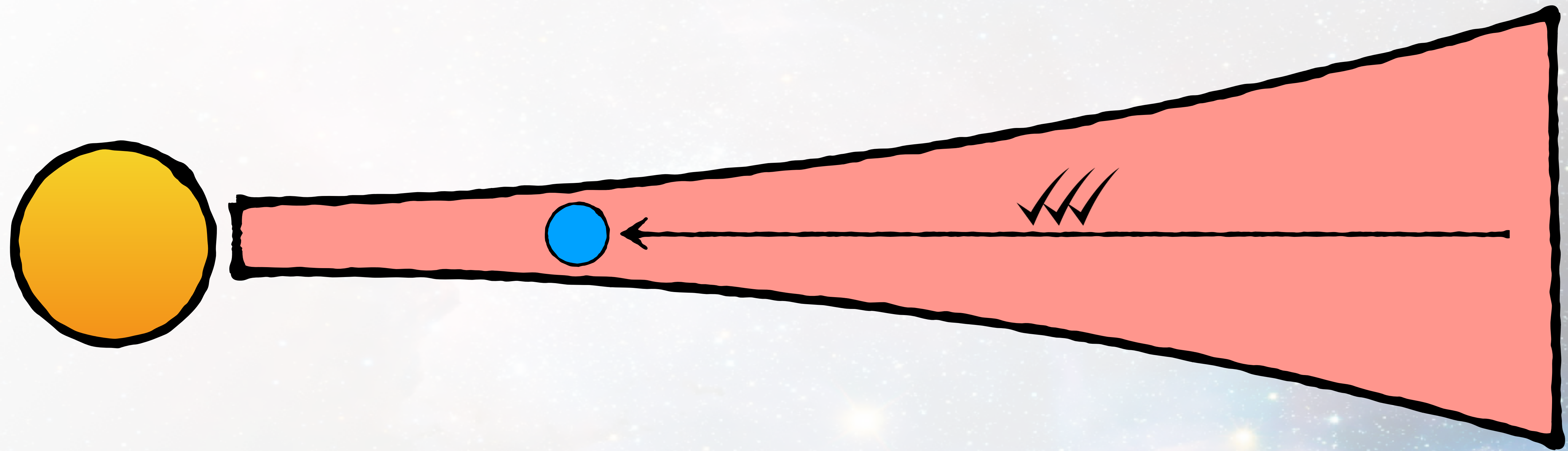


IN -SITU VS MIGRATION

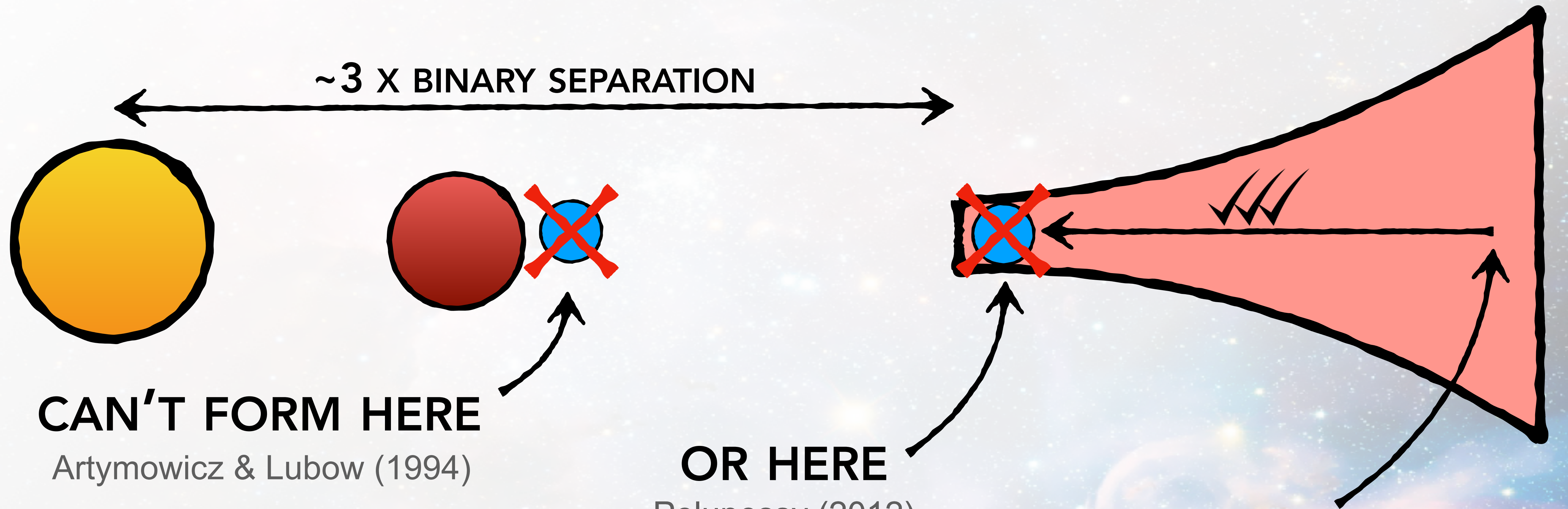


Hansen & Murray (2012)
Cossou+ (2014)
Martin & Livio (2016)
Lee & Chiang (2016)

~~IN-SITU~~ VS MIGRATION



~~IN SITU~~ VS MIGRATION



CAN'T FORM HERE

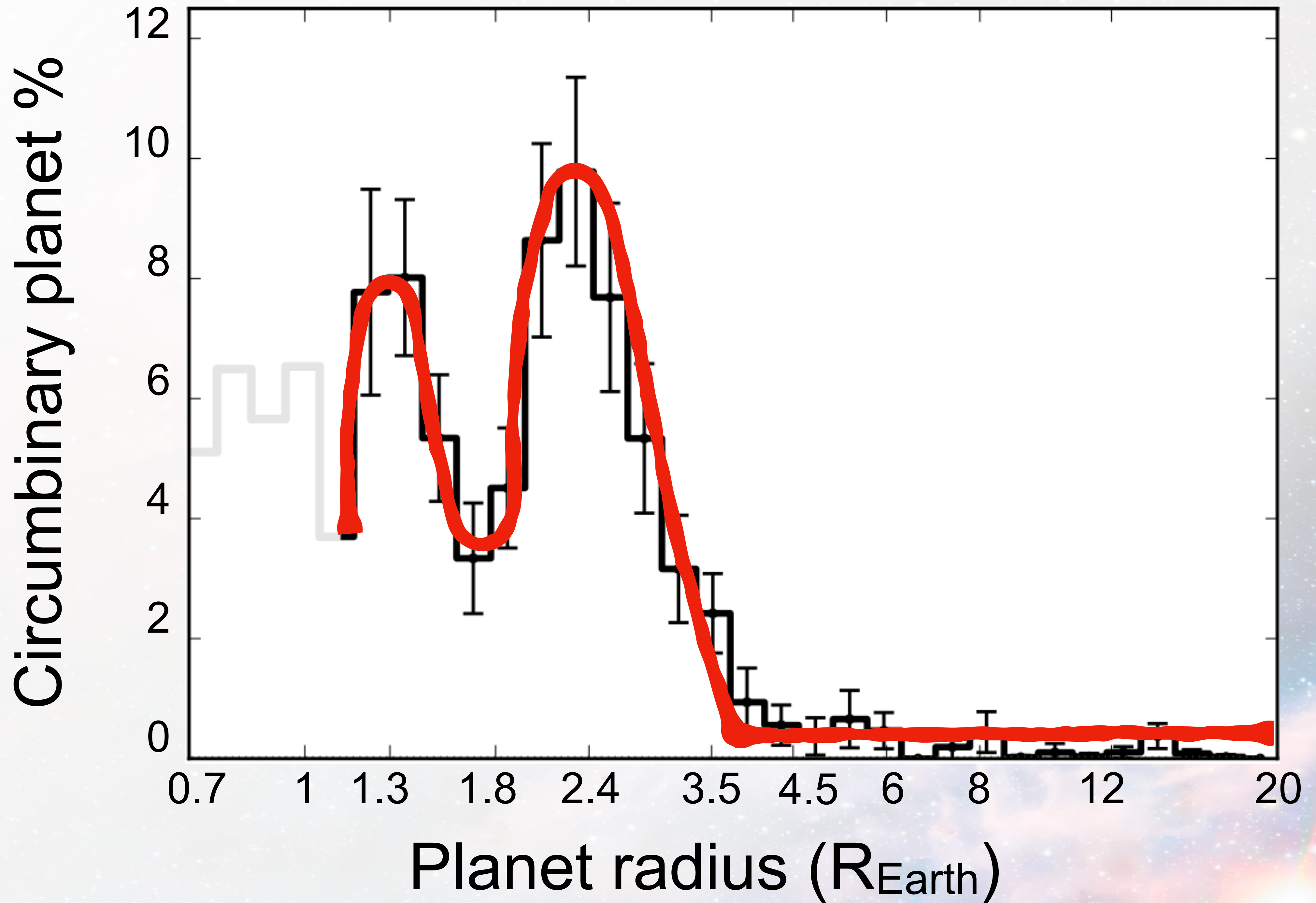
Artymowicz & Lubow (1994)

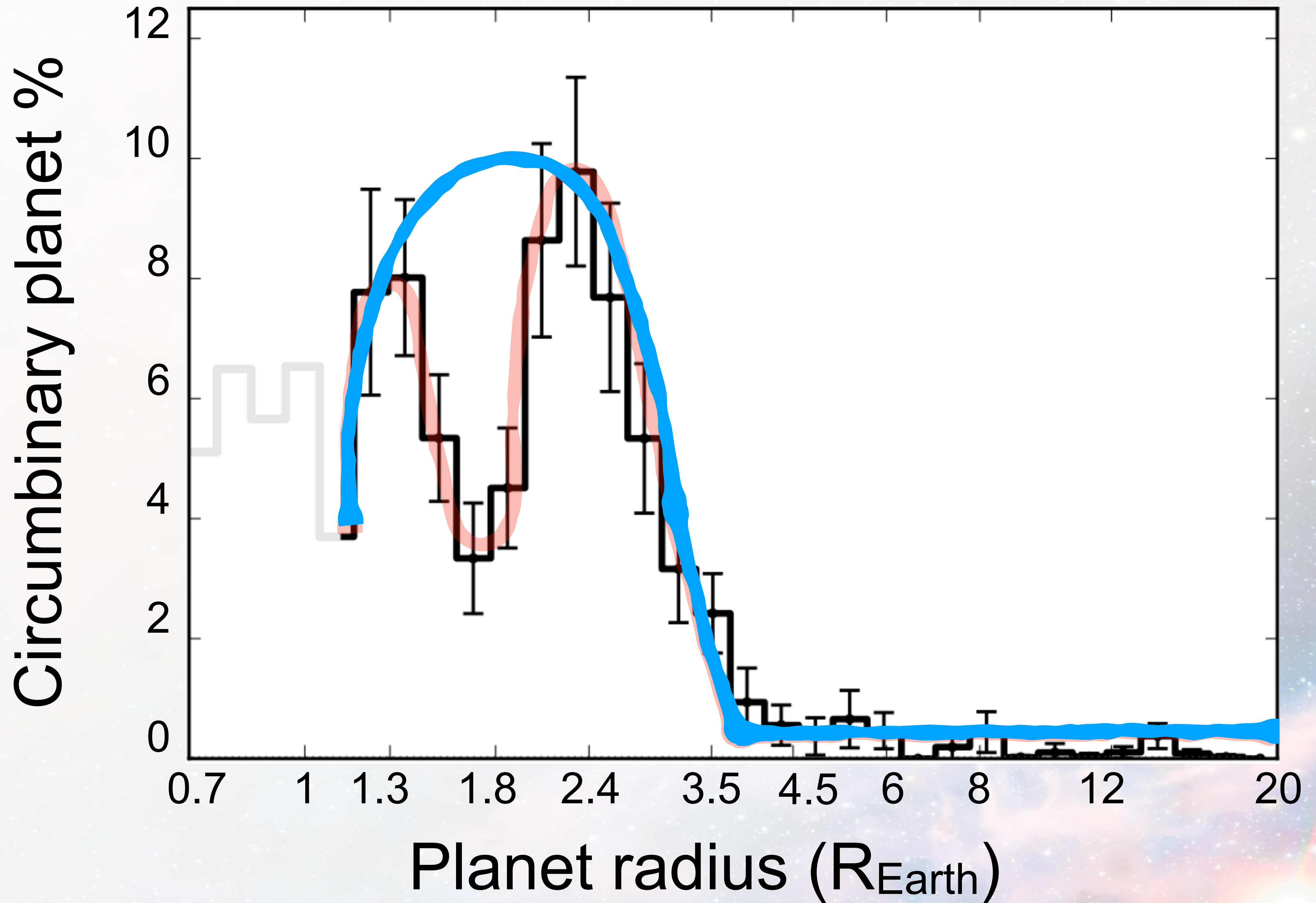
OR HERE

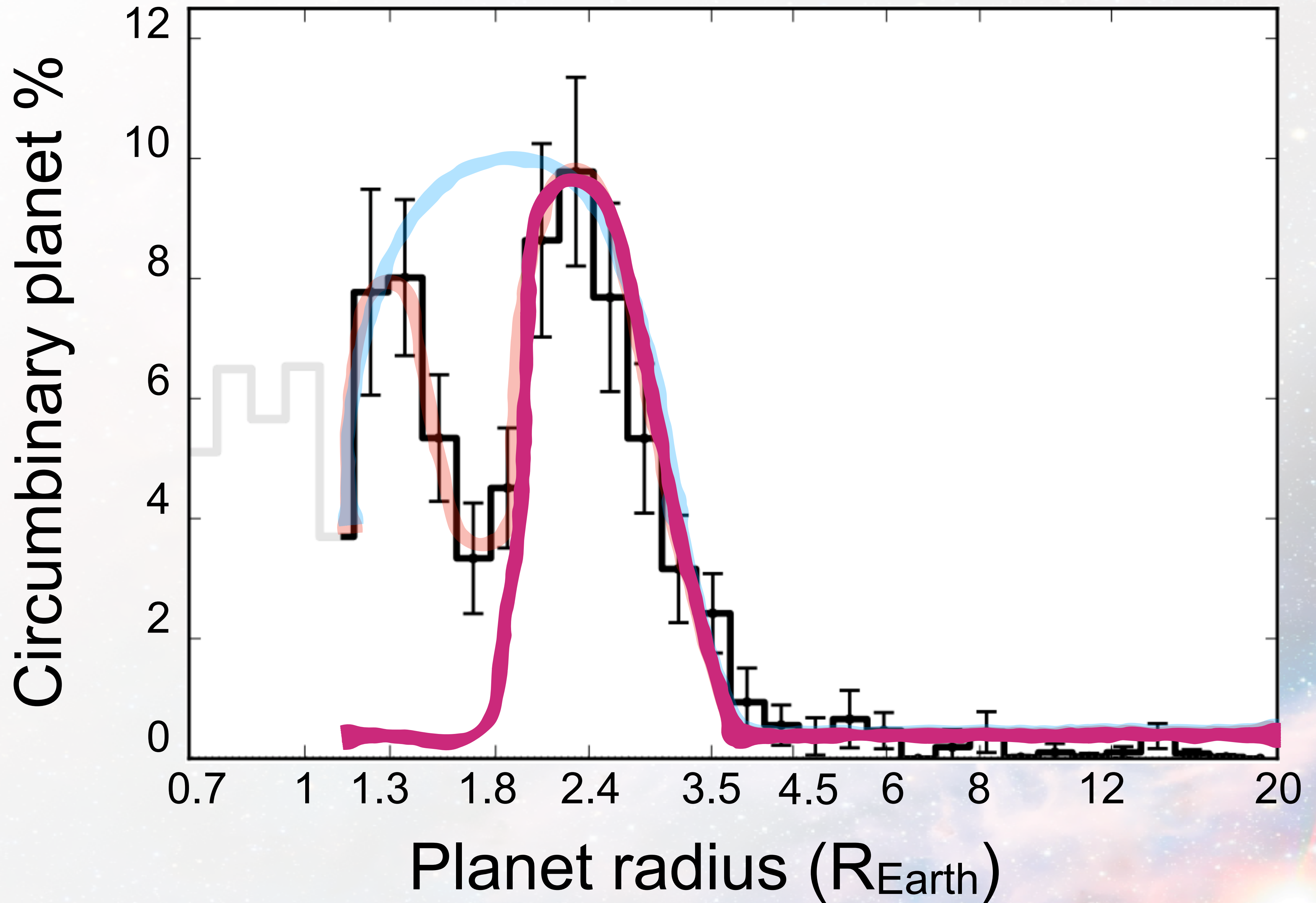
Pelupessy (2012)
Meschiari (2013)
Lines (2016)

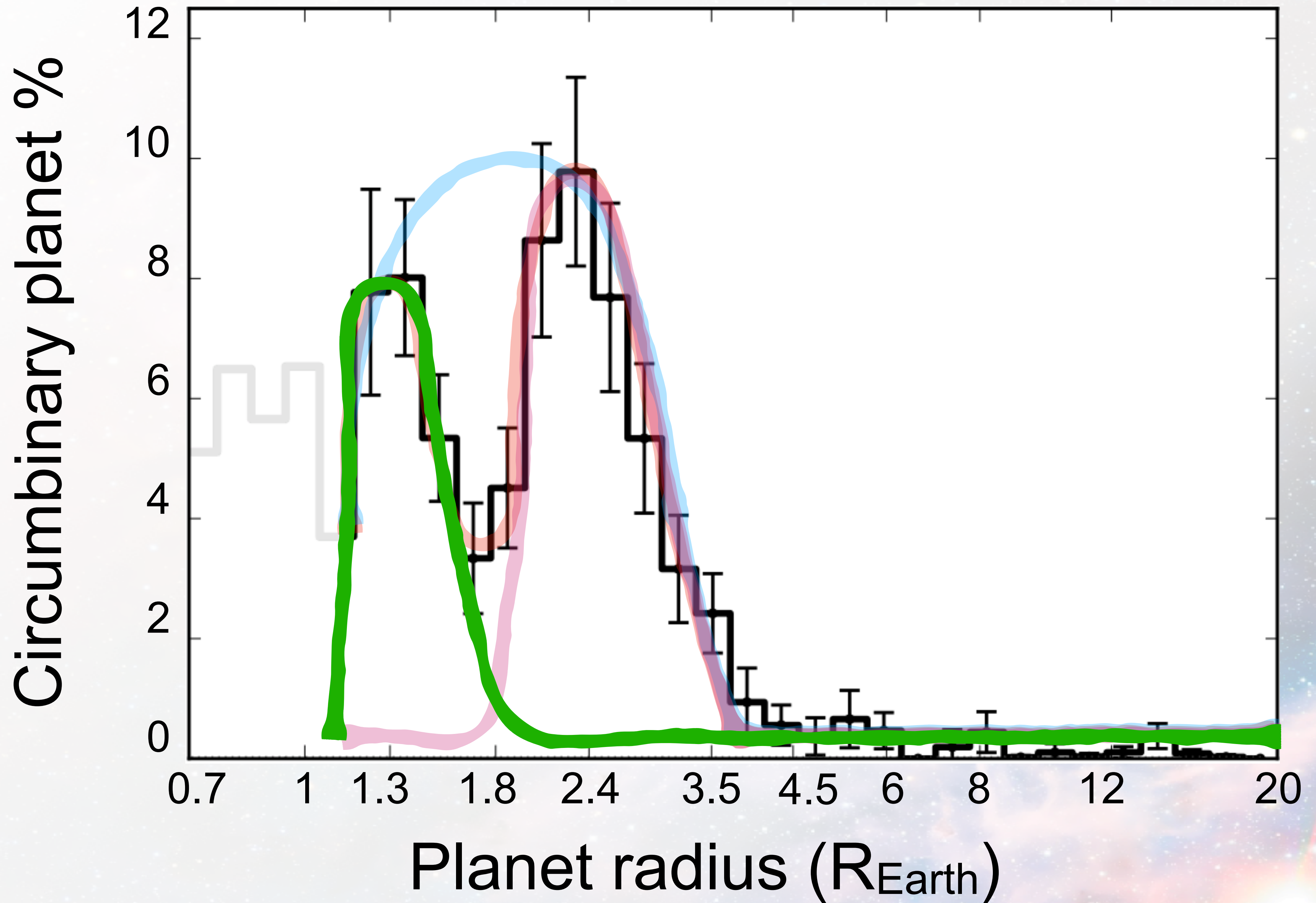
BUT FAR AWAY IS FINE

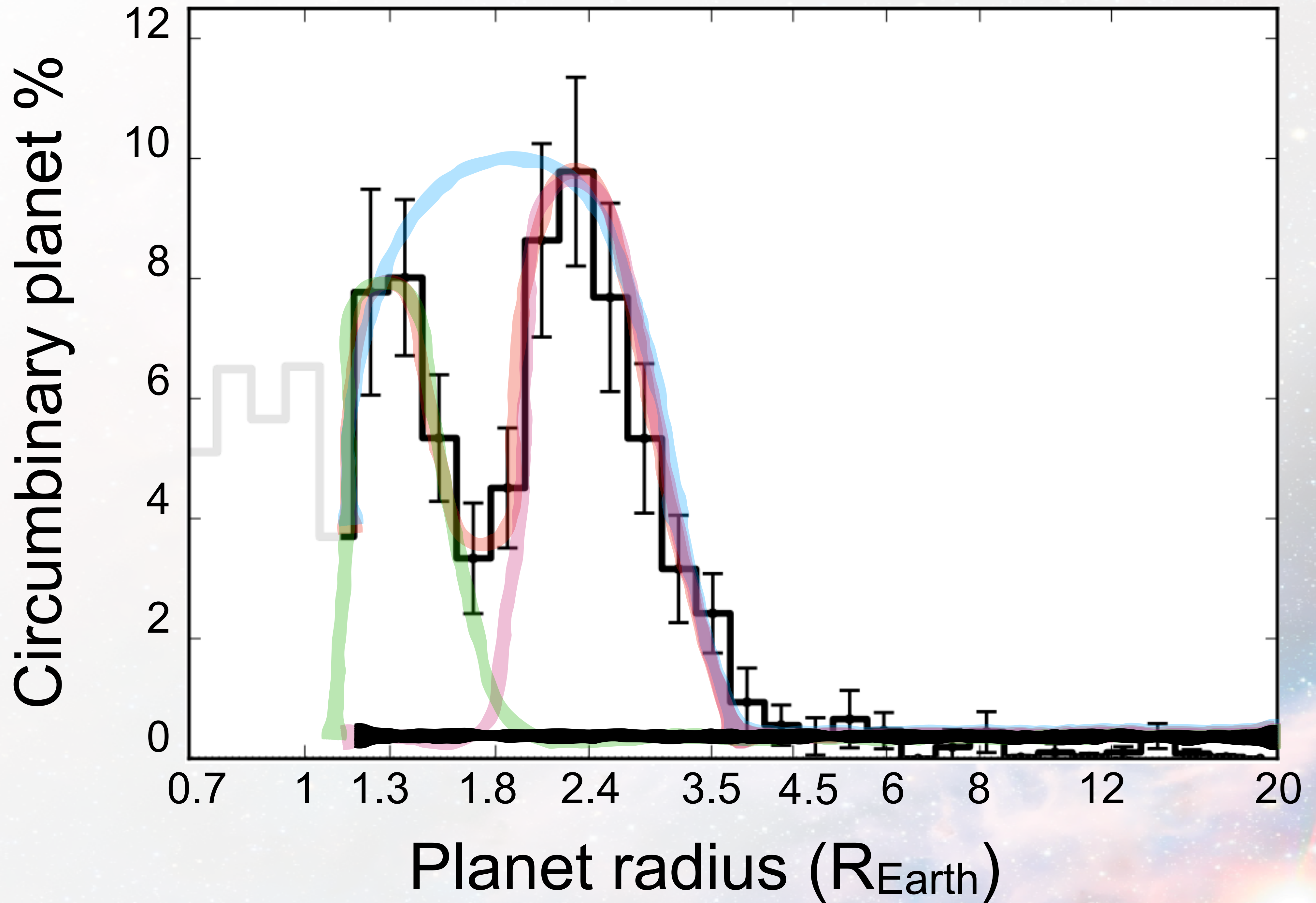
Pierens & Nelson (2013, 18)
Kley & Haghighipour (2014, 15)
Sutherland & Kratter (2019)

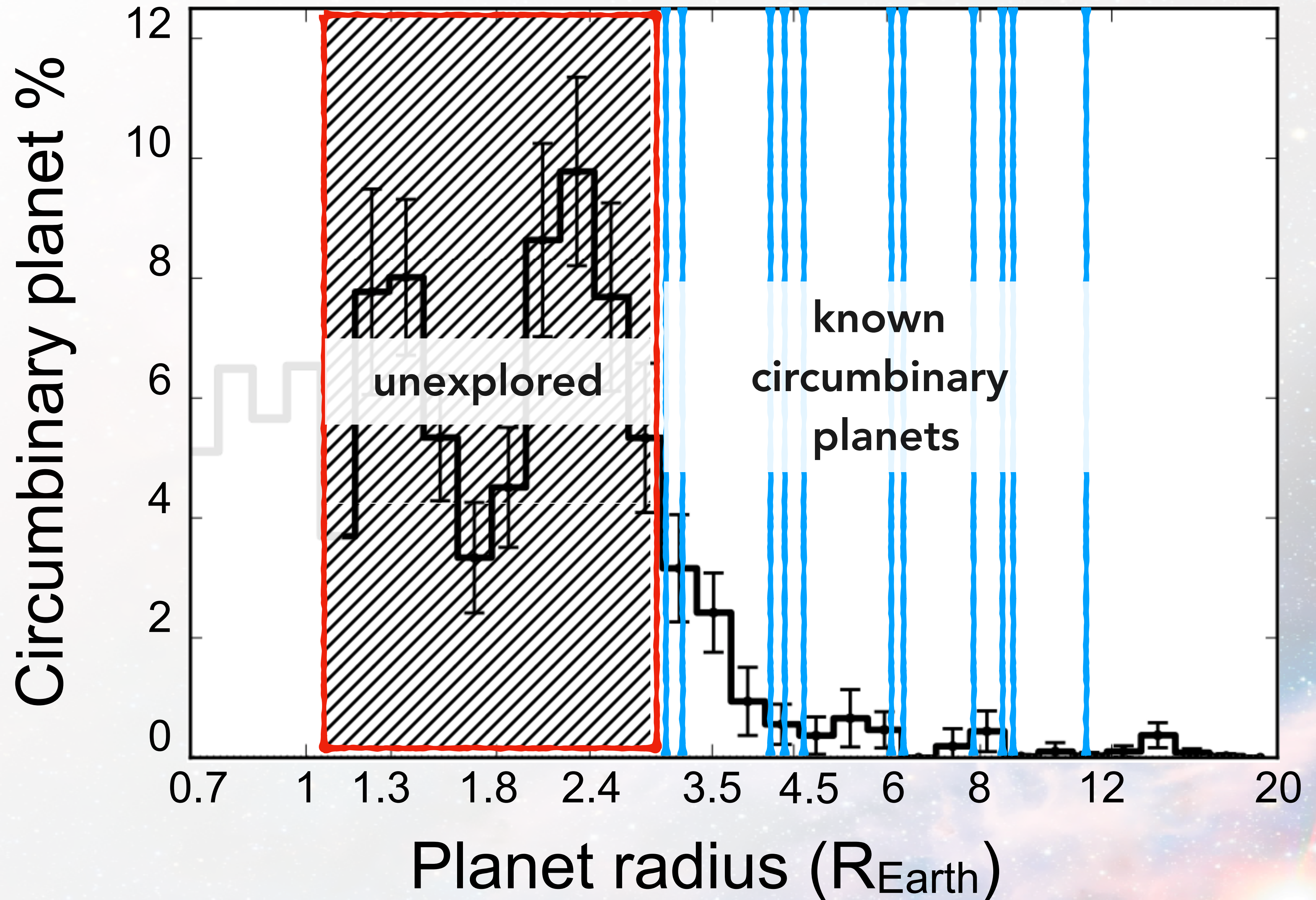


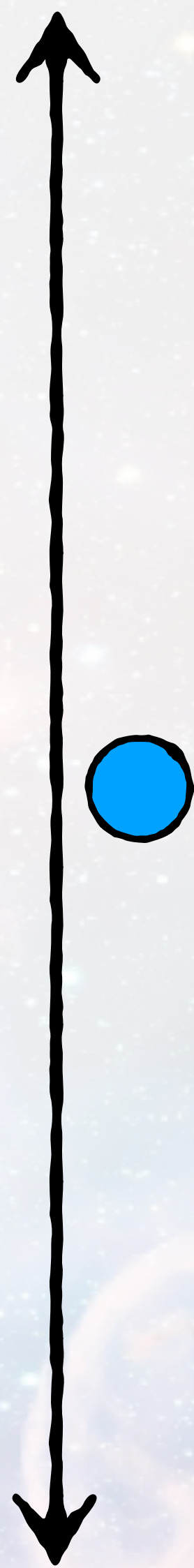
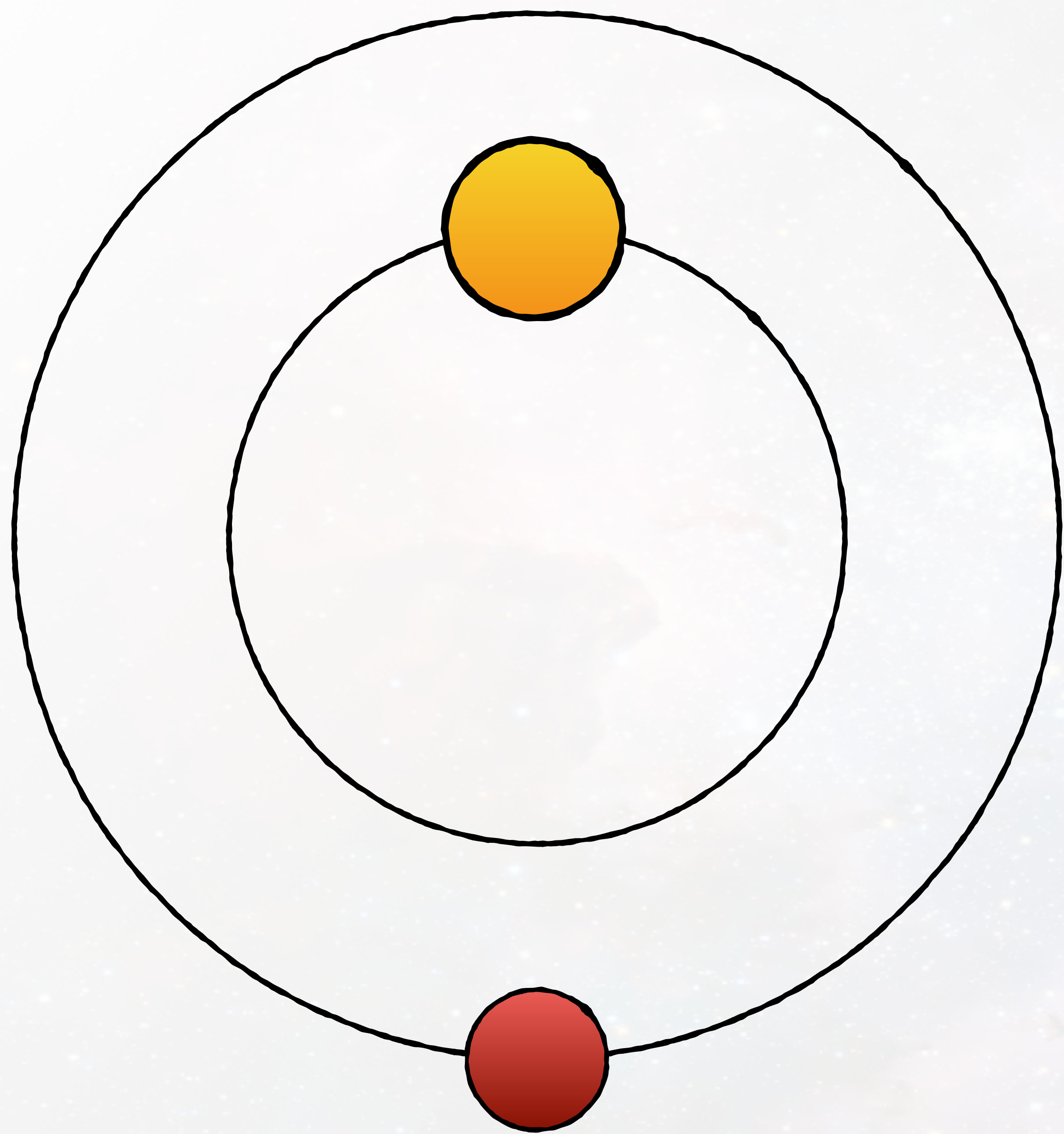


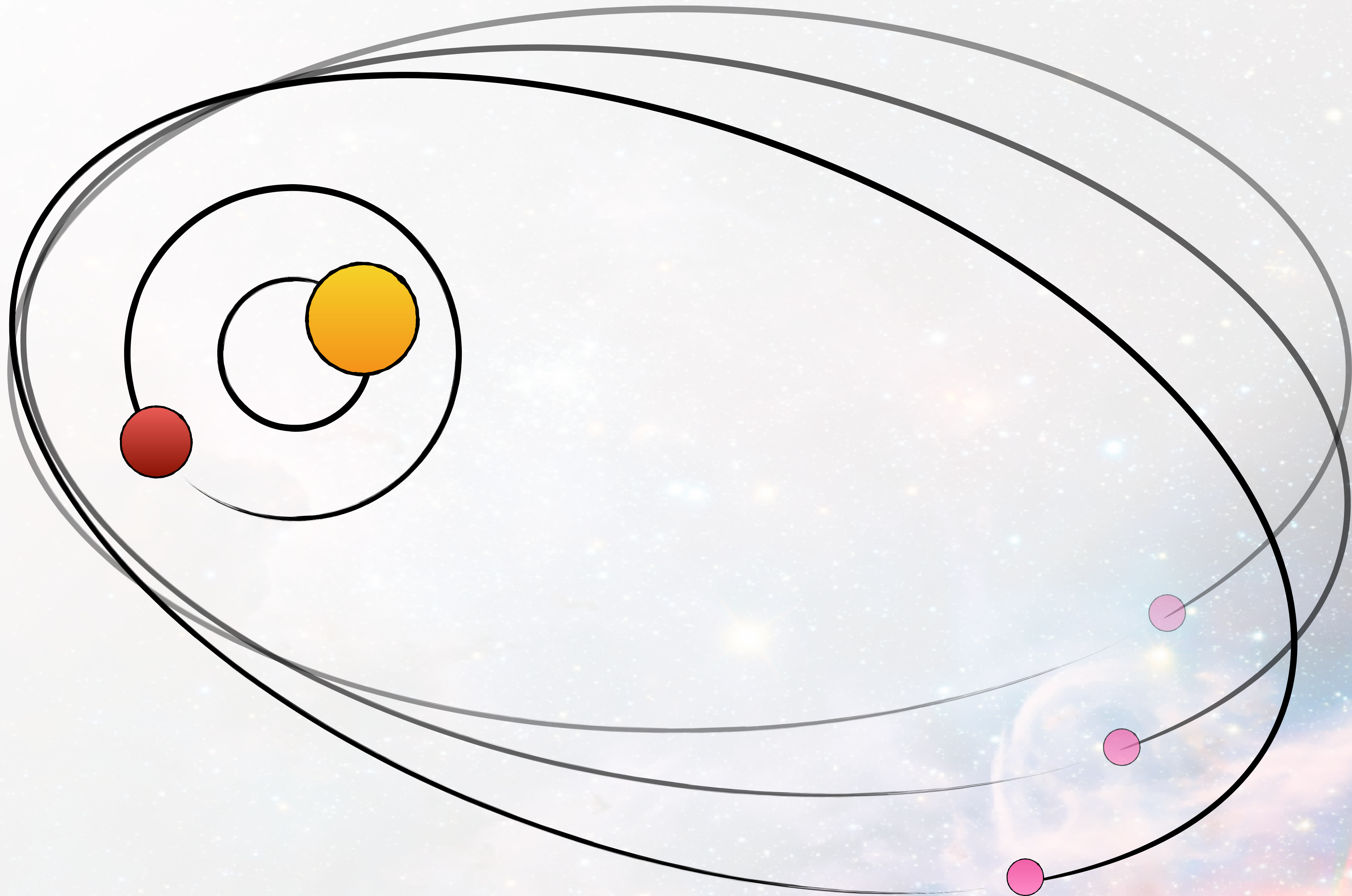


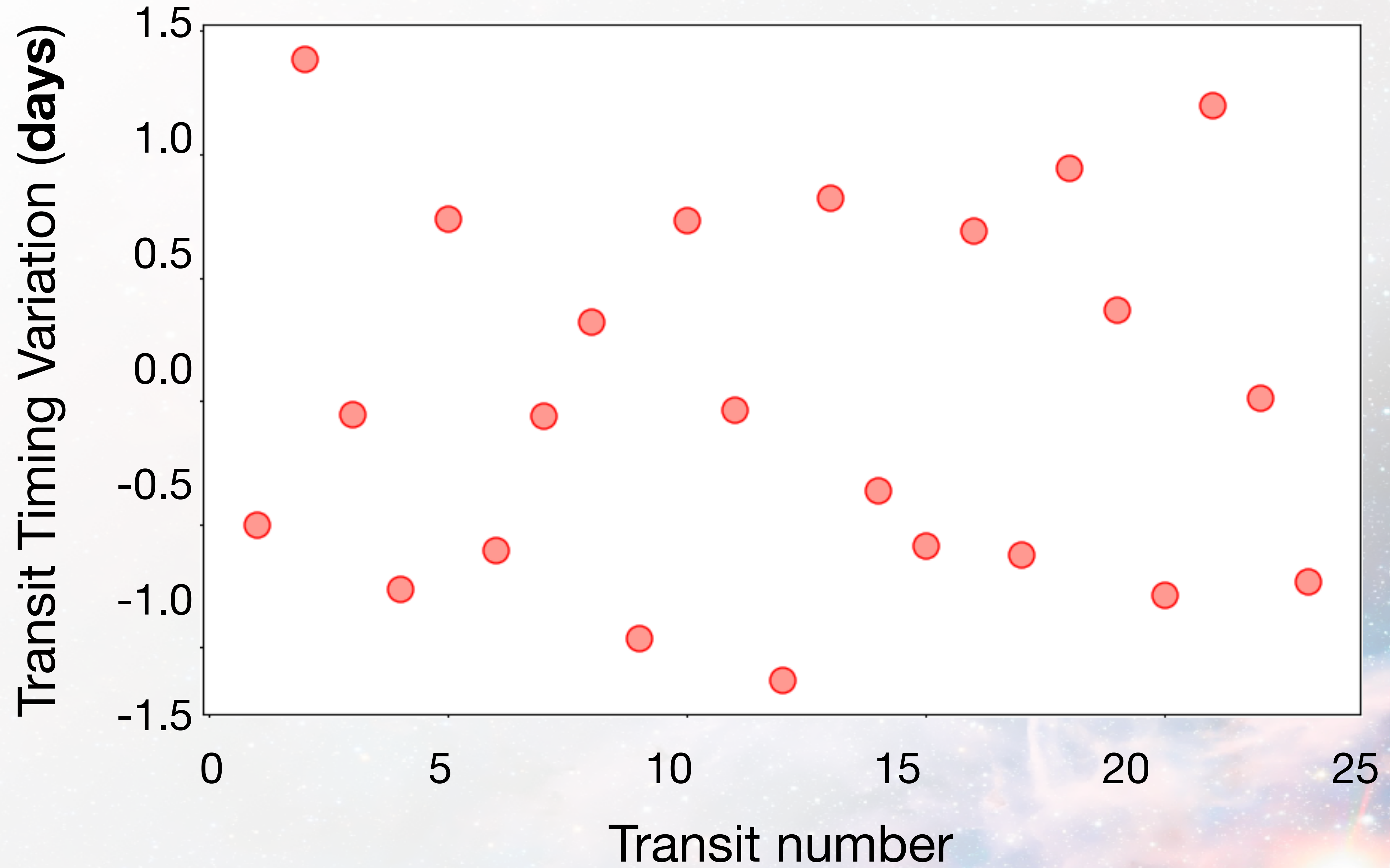












OLD METHOD

INDIVIDUALLY SIGNIFICANT TRANSITS



GIANT PLANETS

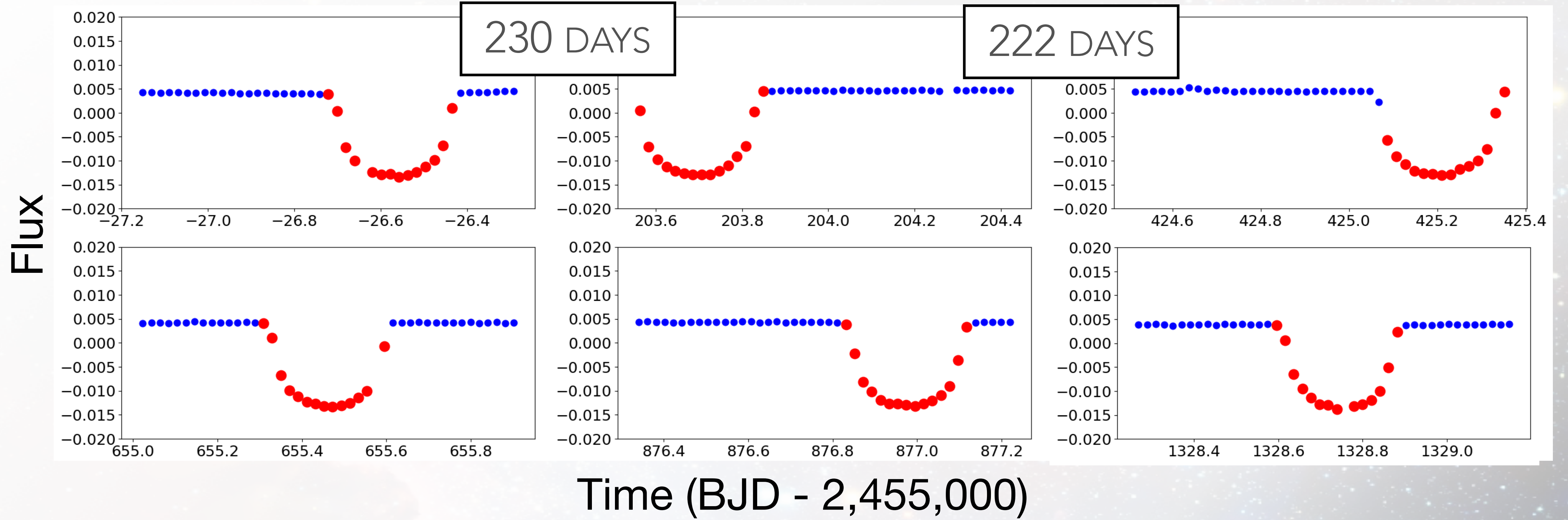


NEW METHOD

FOLD SHALLOW TRANSITS

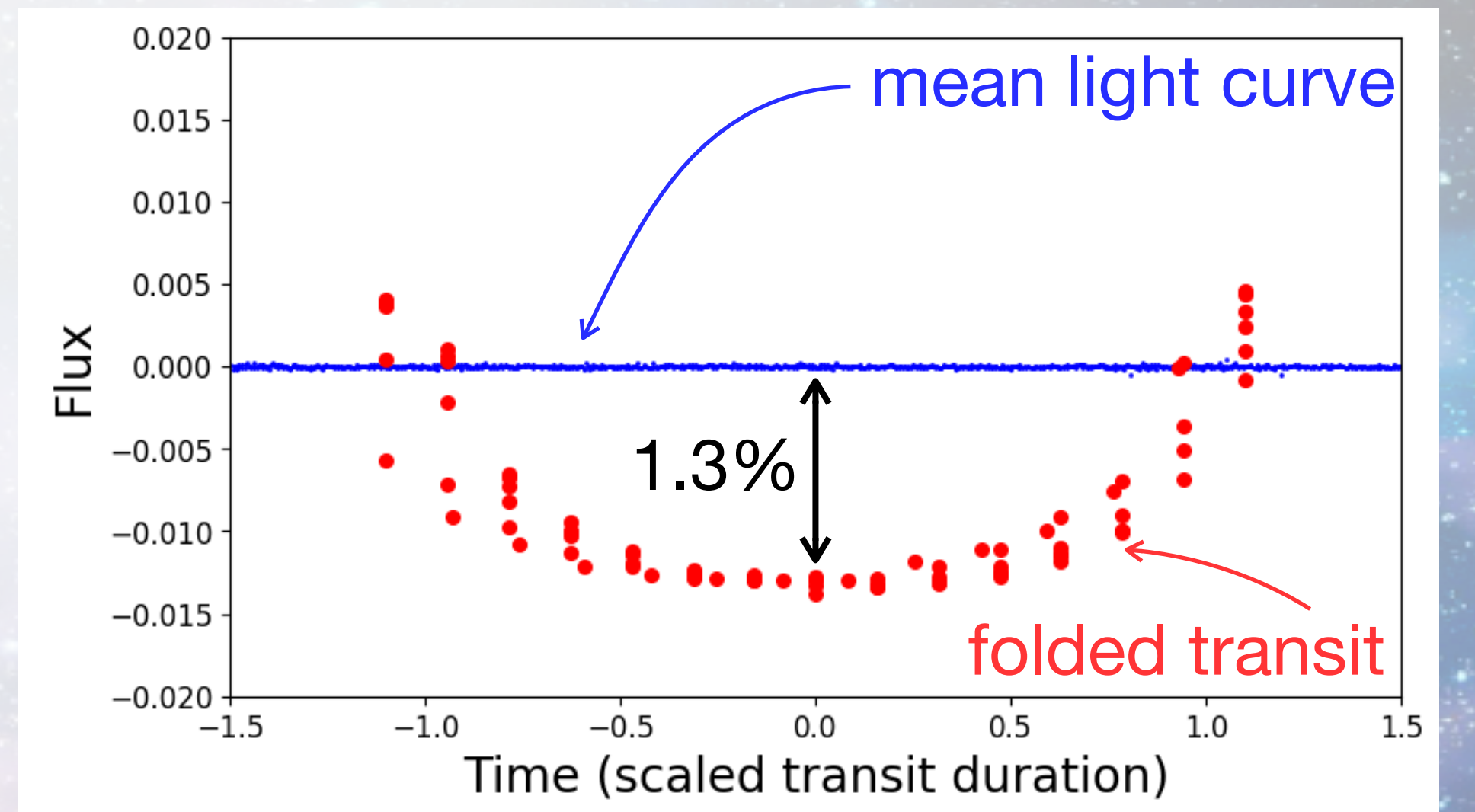


SMALL PLANETS

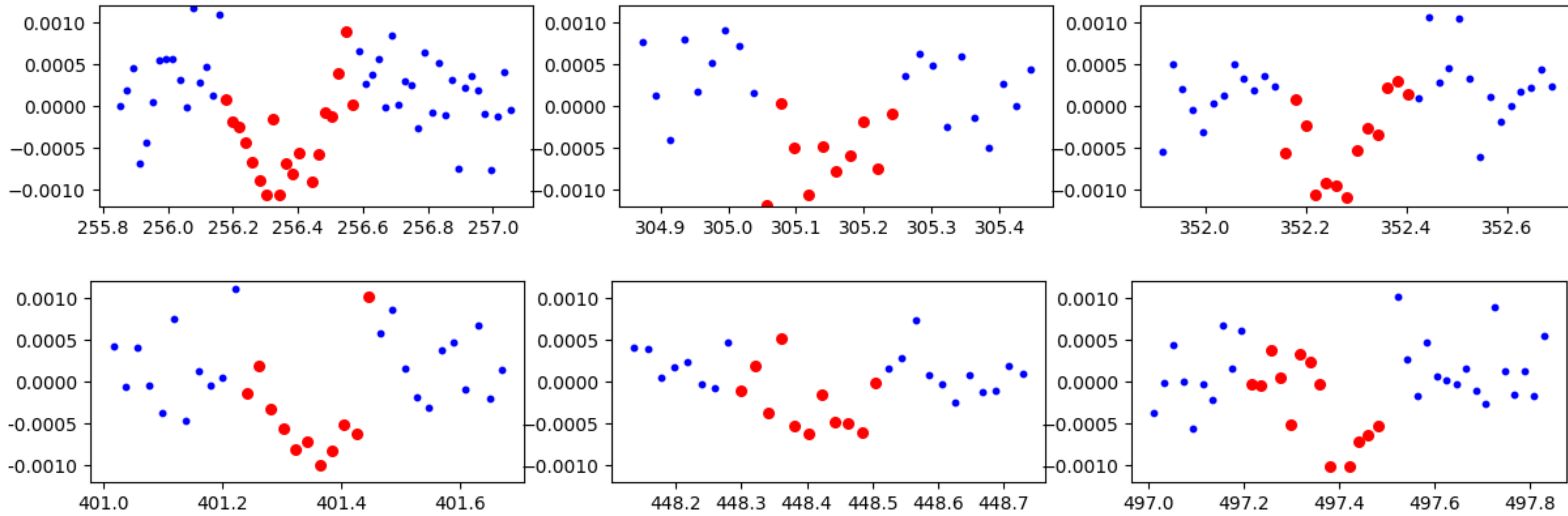


KEPLER 16

8.3 R_{EARTH} @ ~ 228 DAYS

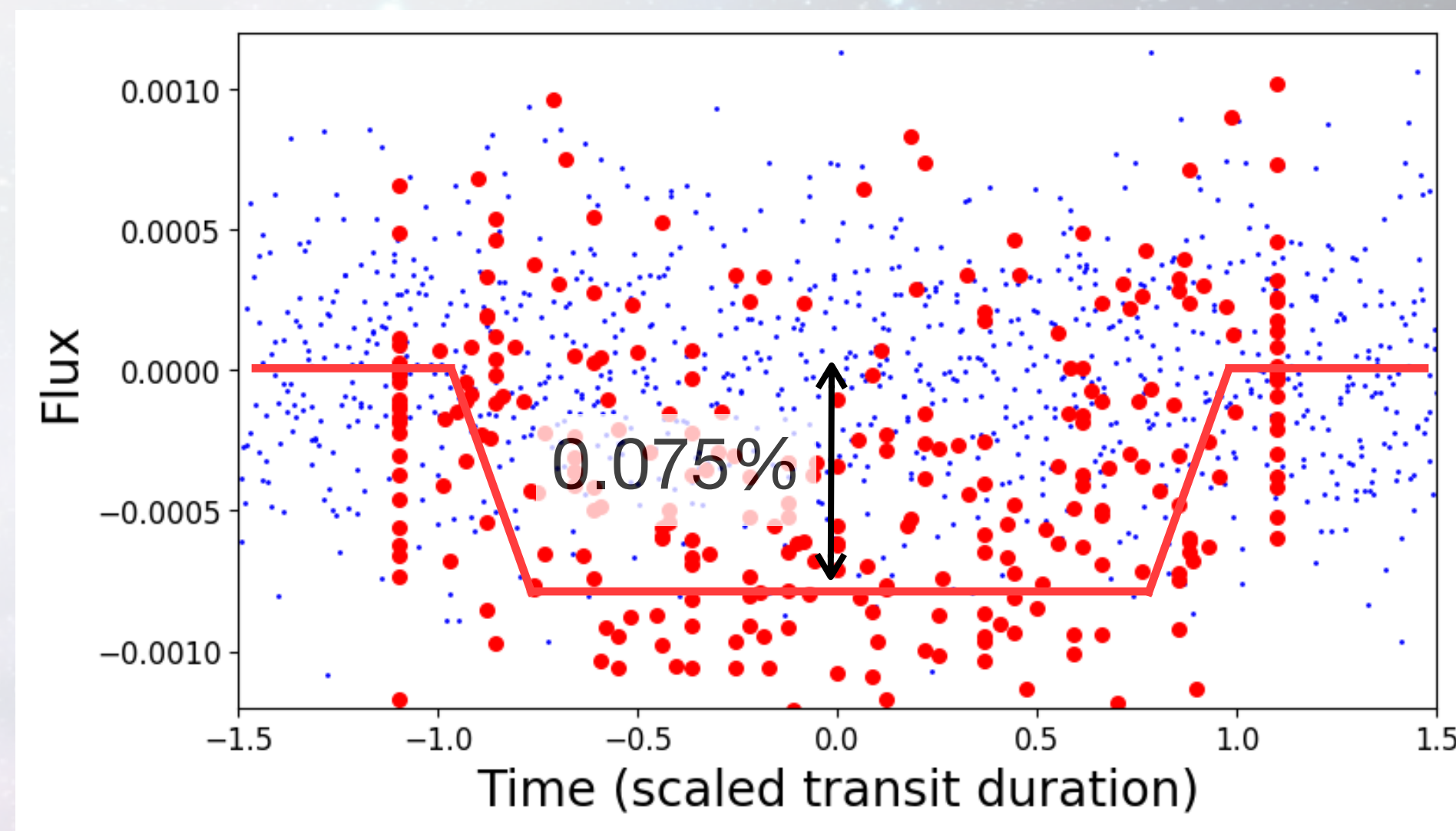


Flux

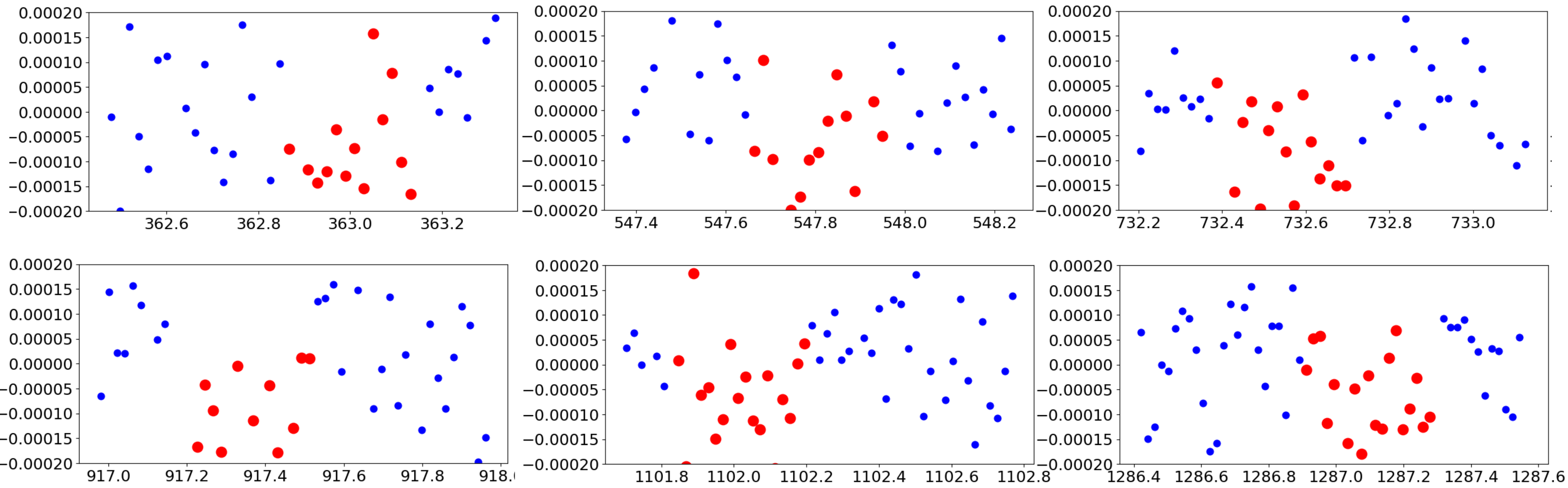


KEPLER 47

3 R_{EARTH} @ ~ 49 DAYS



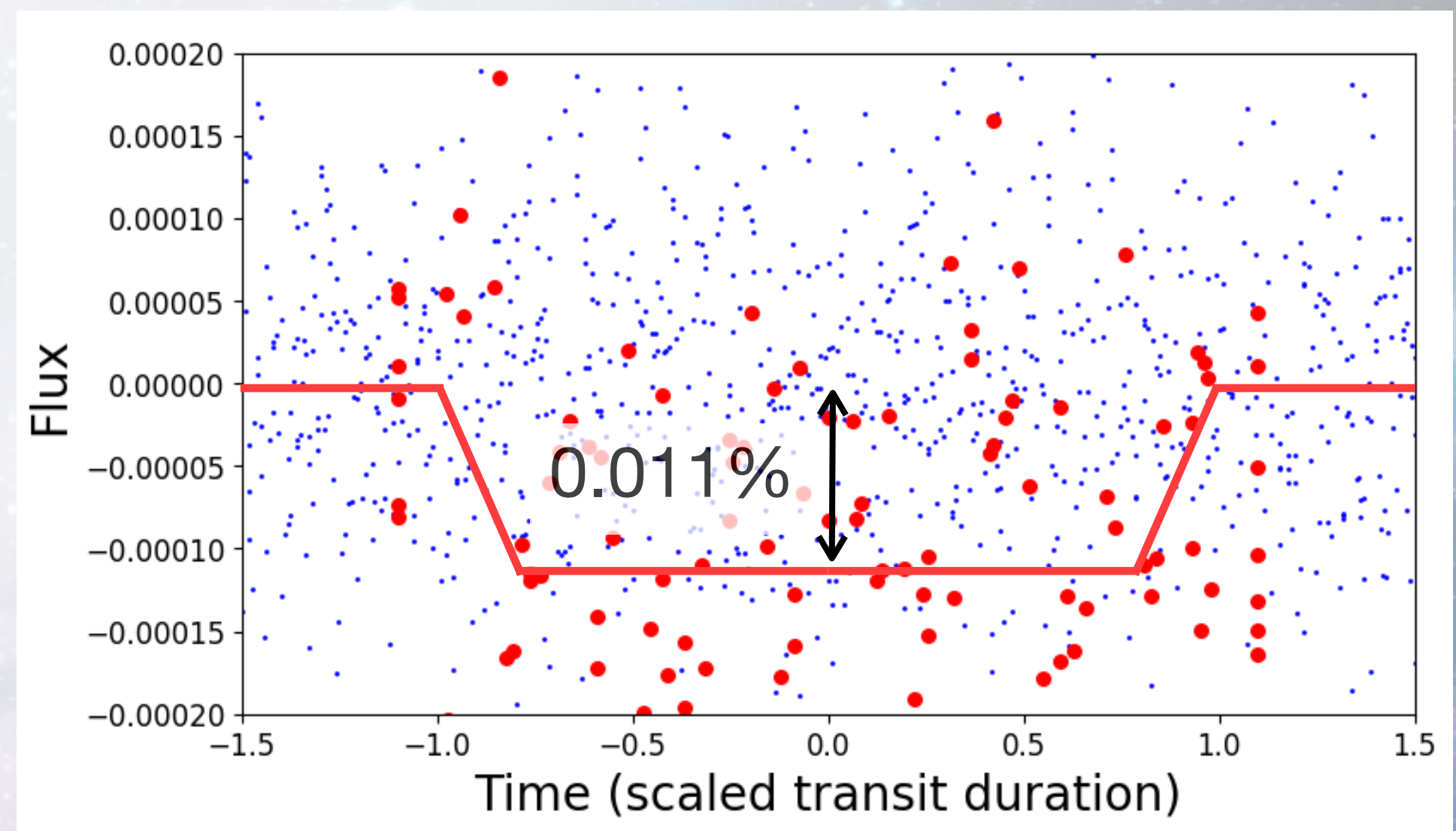
Flux



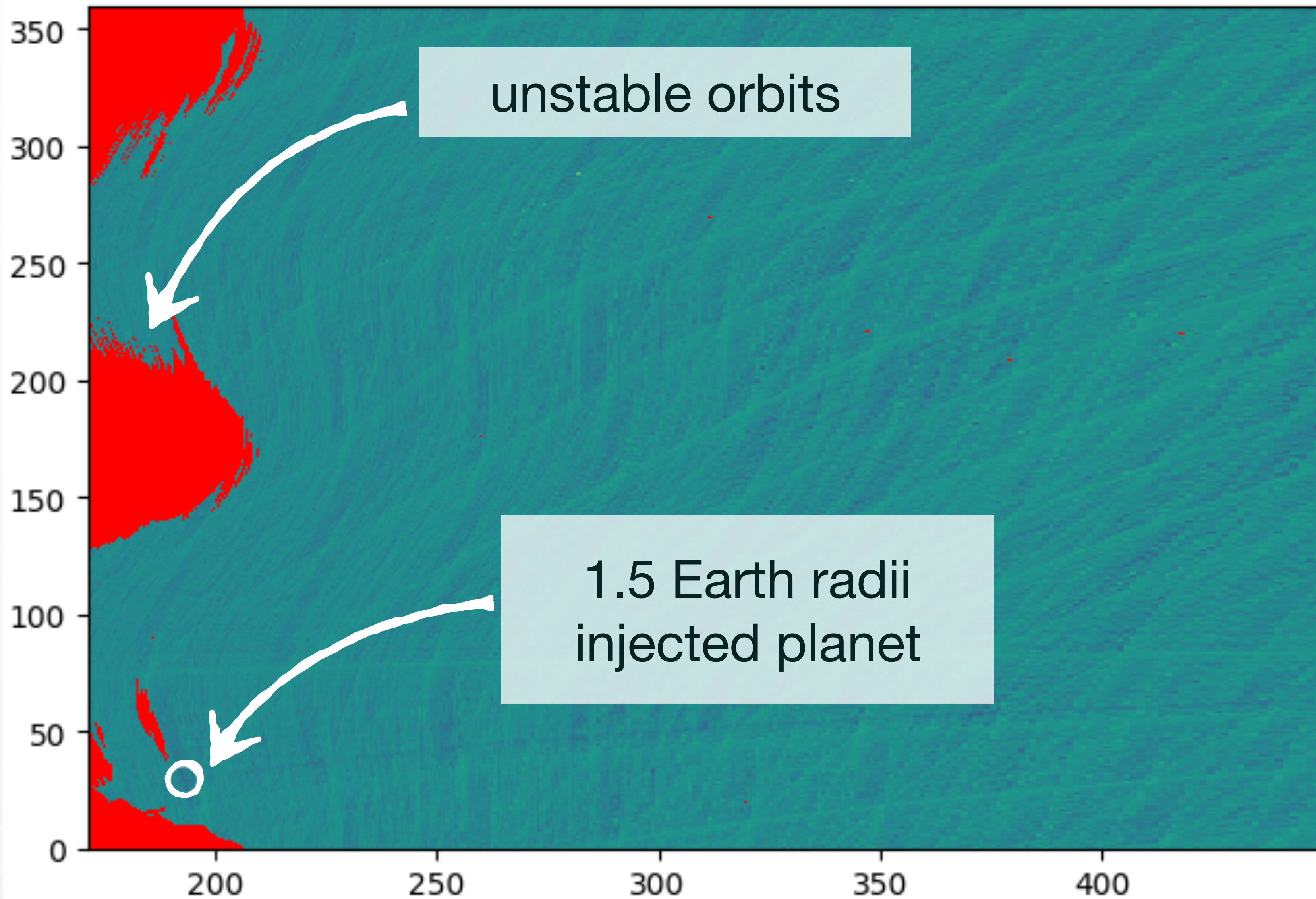
Time (BJD - 2,455,000)

INJECTION

1.5 R_{EARTH} @ ~ 193 DAYS

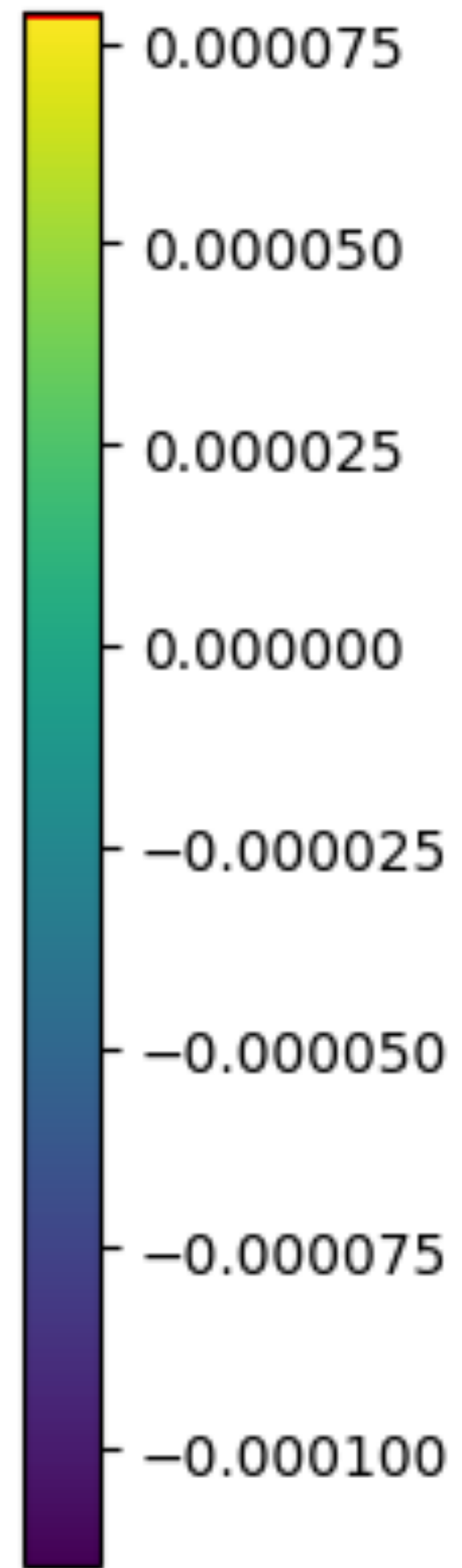


Planet phase (deg)



unstable orbits

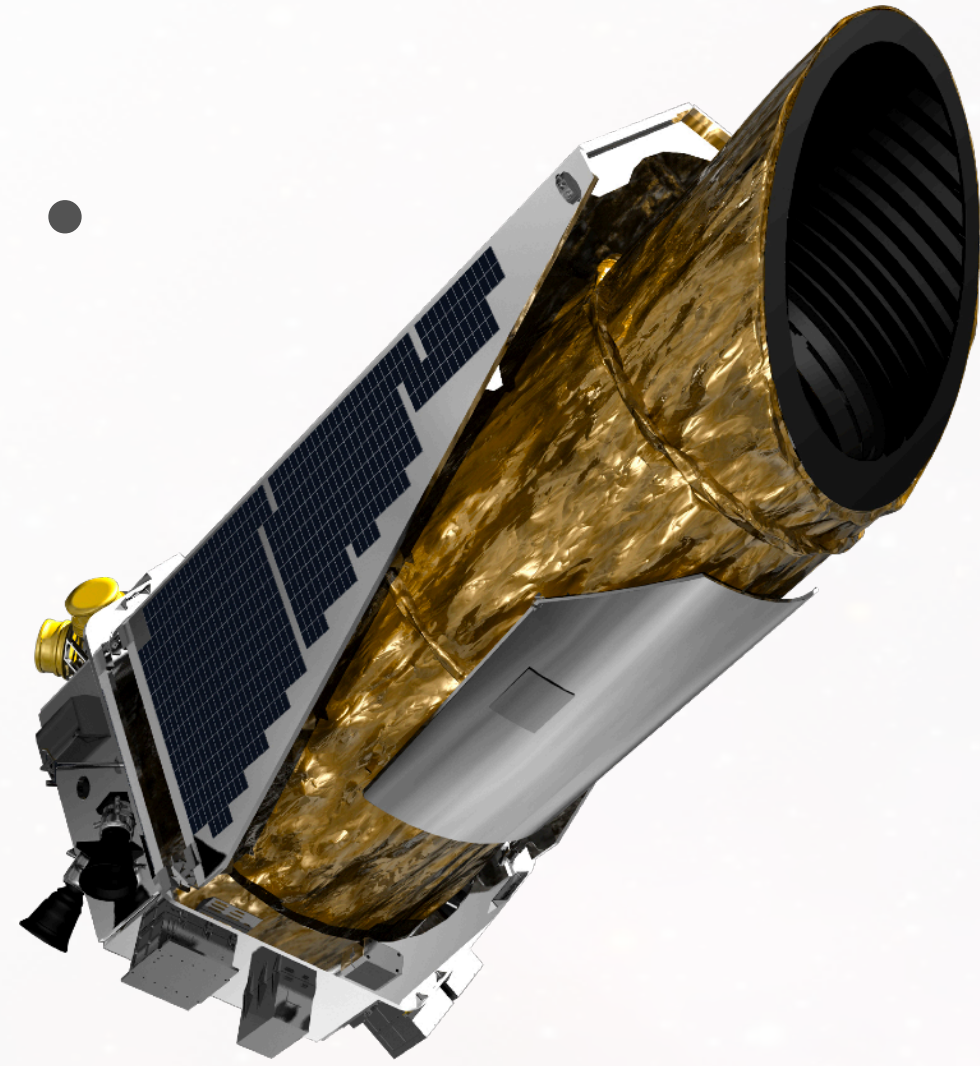
1.5 Earth radii
injected planet



In-transit mean flux

Planet period (days)

1.



2. PUBLIC RELEASE

3.



AN AUTOMATED CIRCUMBINARY PLANET FINDER

"It finds circumbinary planets... that's about it"

David V. Martin & Dan Fabrycky



Stanley (deserves full credit)



THE UNIVERSITY OF
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