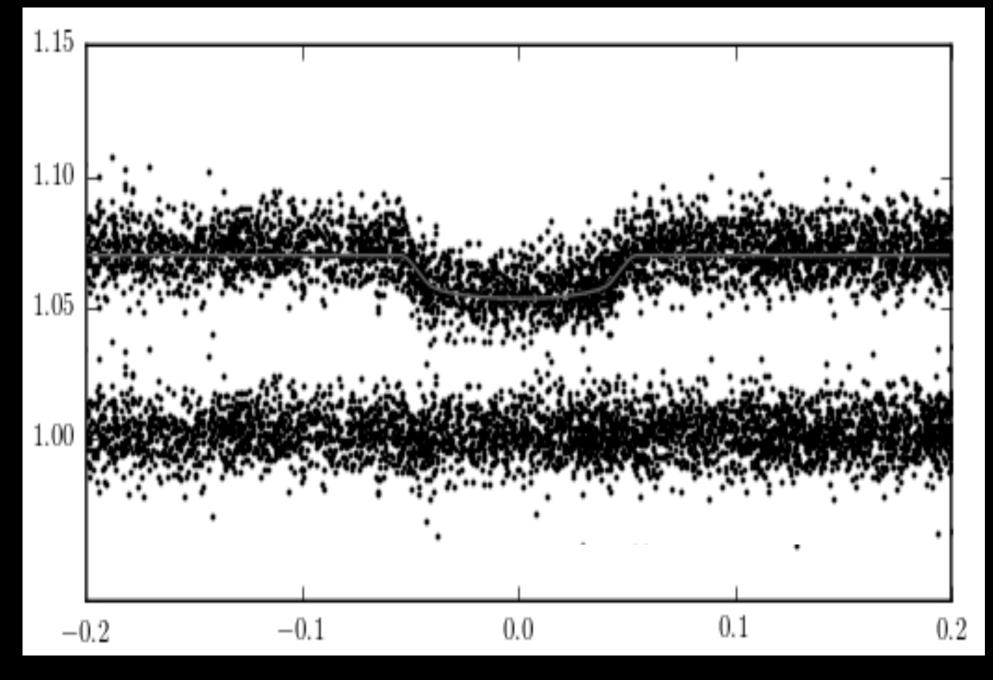


Orbital period



WASP-12 b

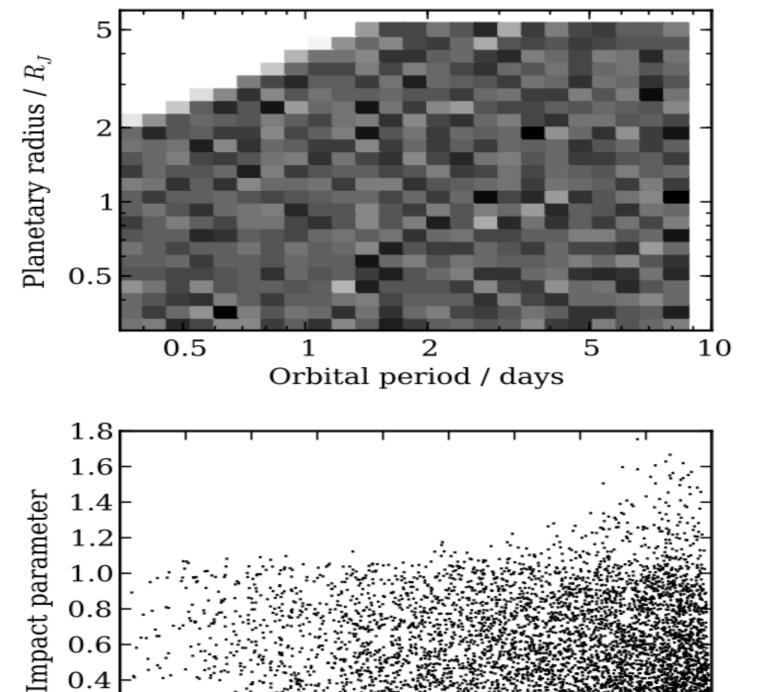
Residuals

Orbital phase

3.4 million transits inserted into the light curves of 125,304 Solar-like stars

80

90



Orbital inclination /

0.2

0.0

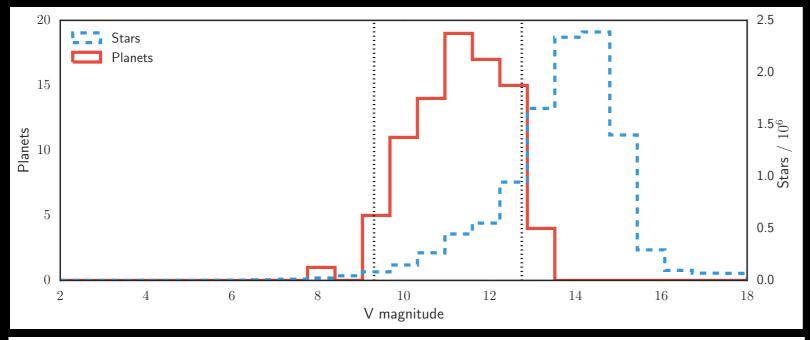
0

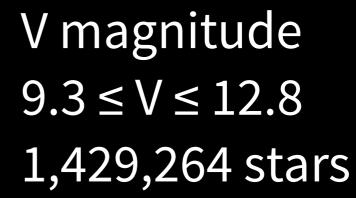
10

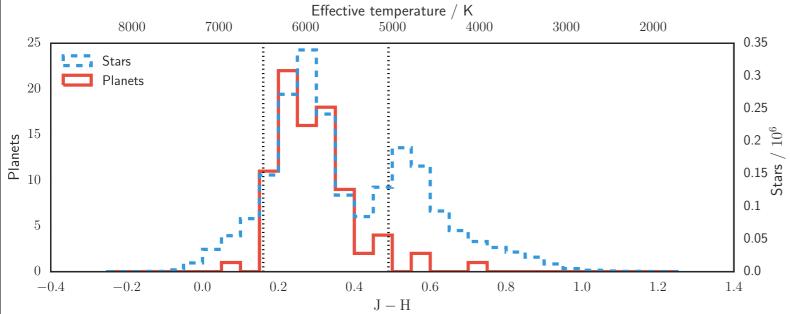
20

Even
distribution in radius and period

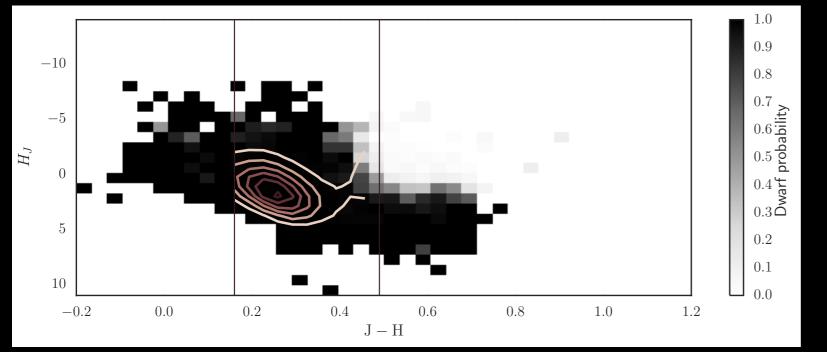
Randomised transit phase and inclination



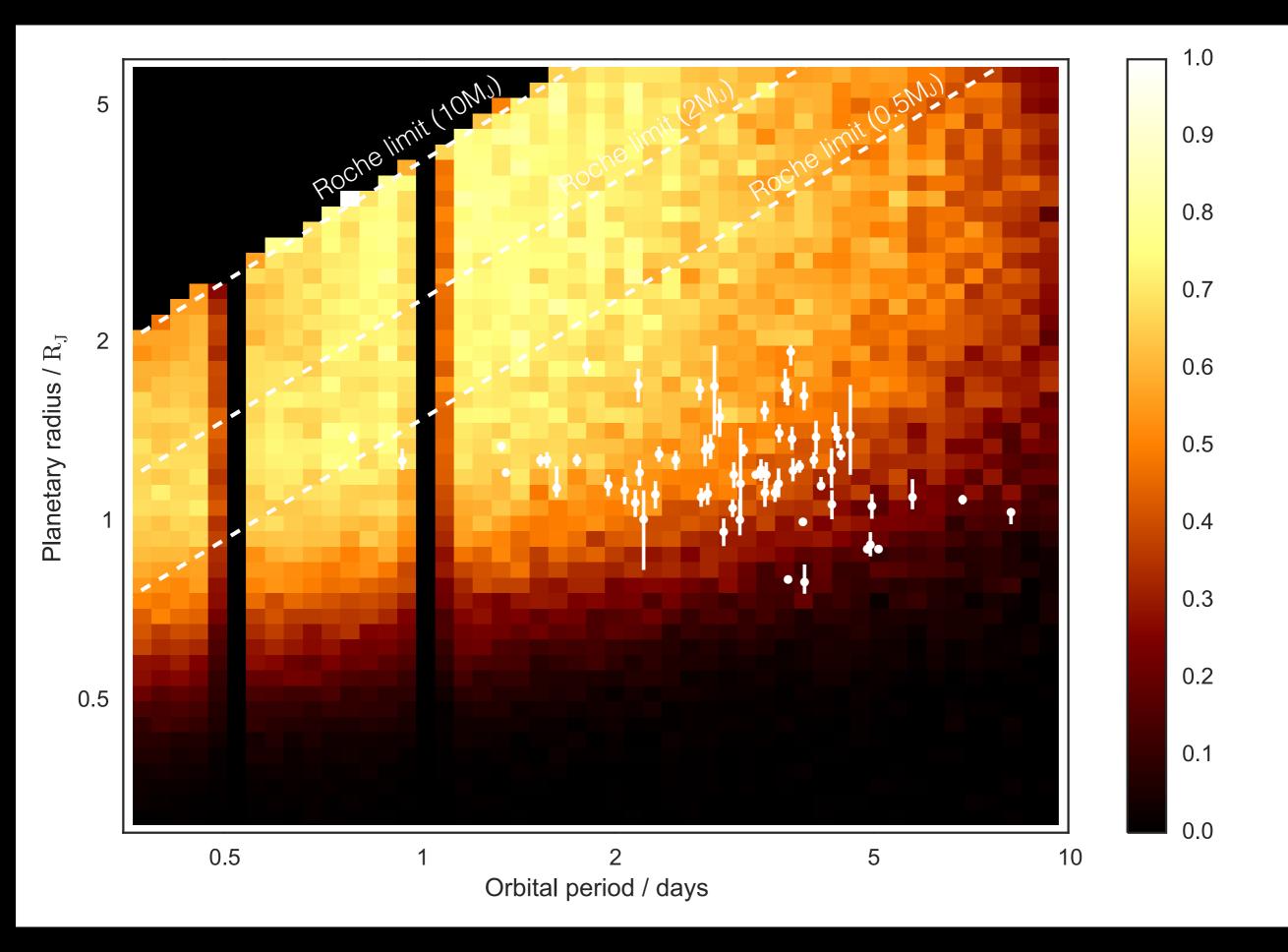


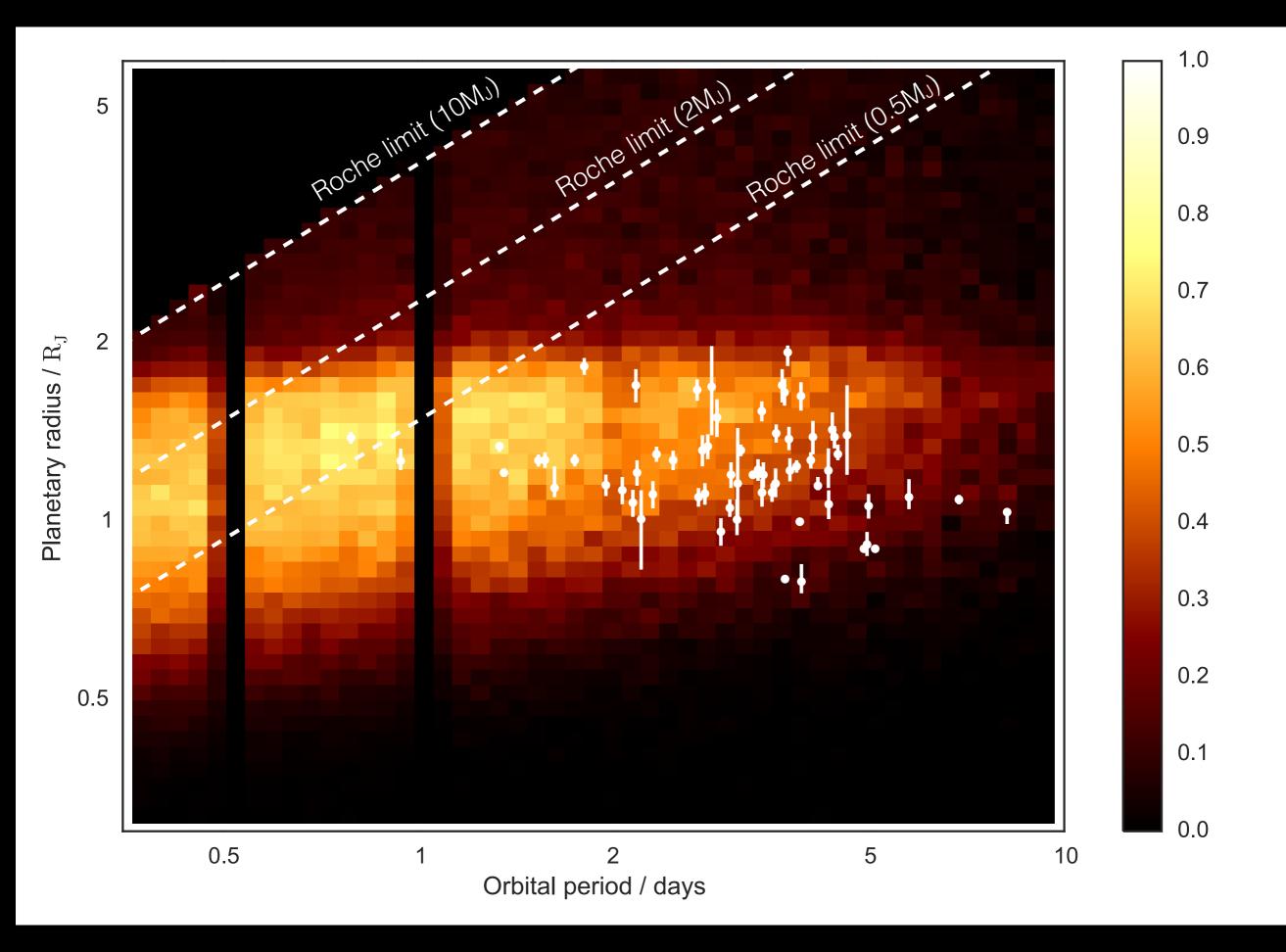


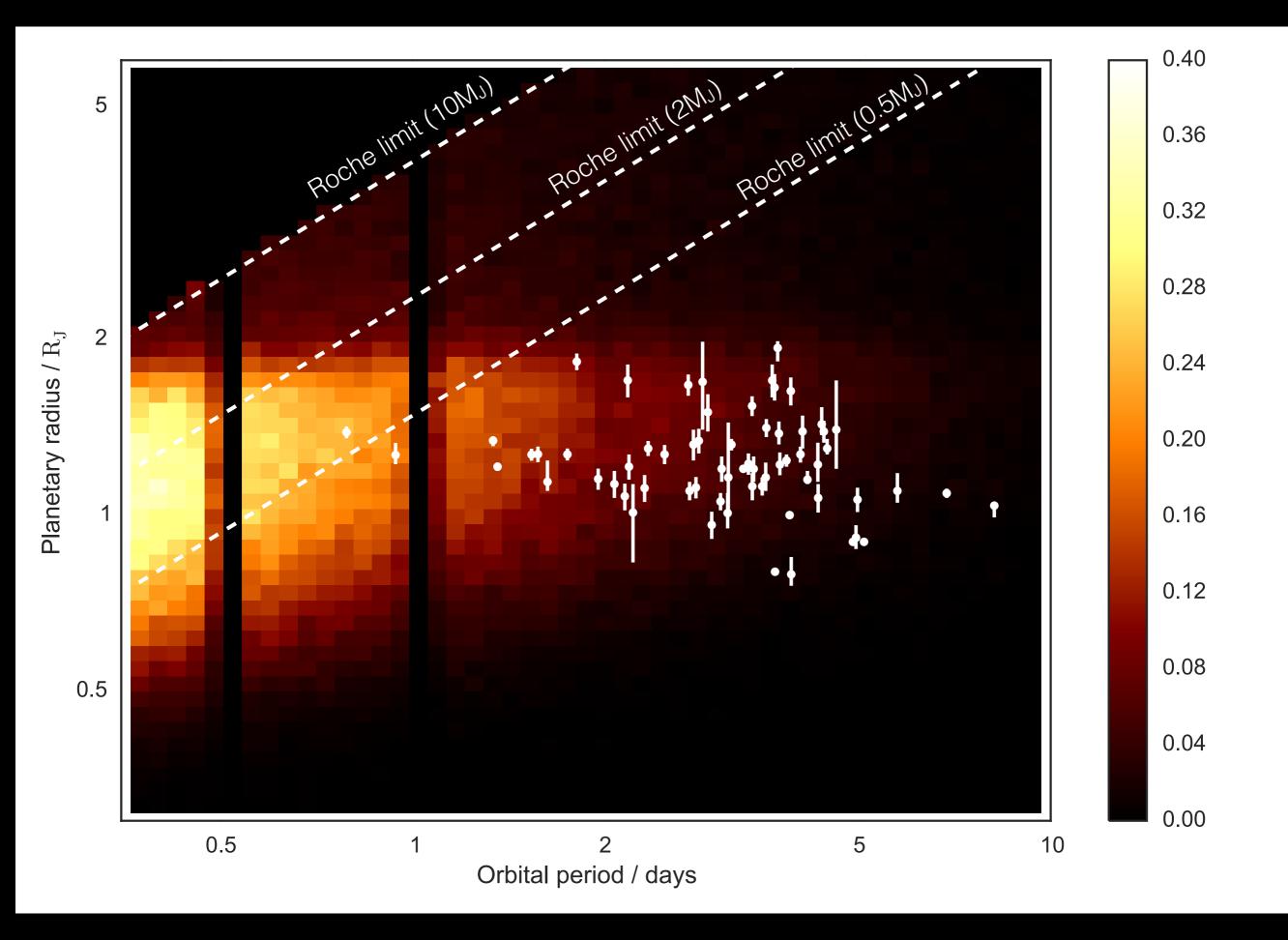
Effective temperature $5050 \le T_{eff} \le 6500$ Mid F to early K 856,789 stars

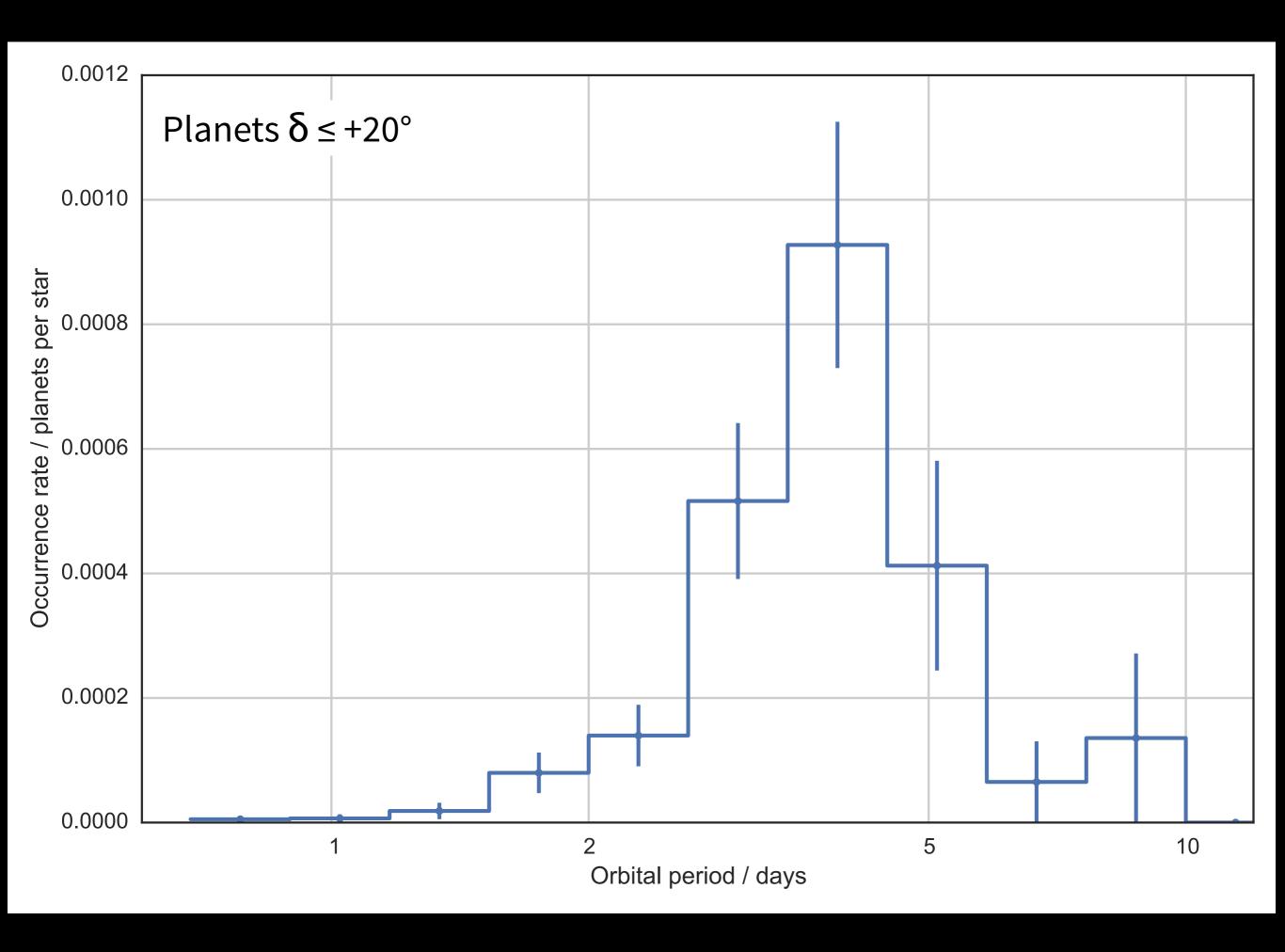


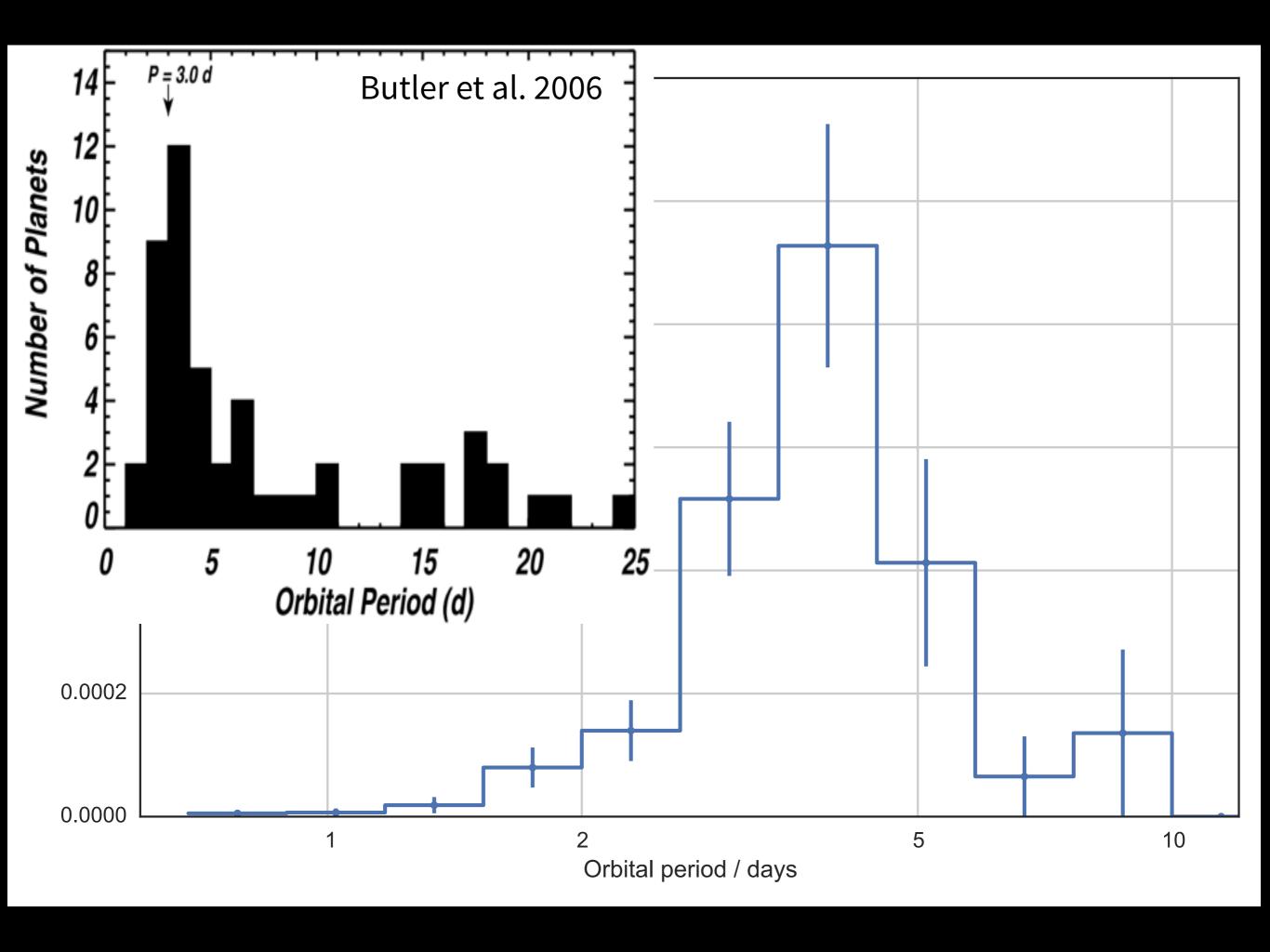
Dwarf probability $p \ge 98\%$ 751,486 stars

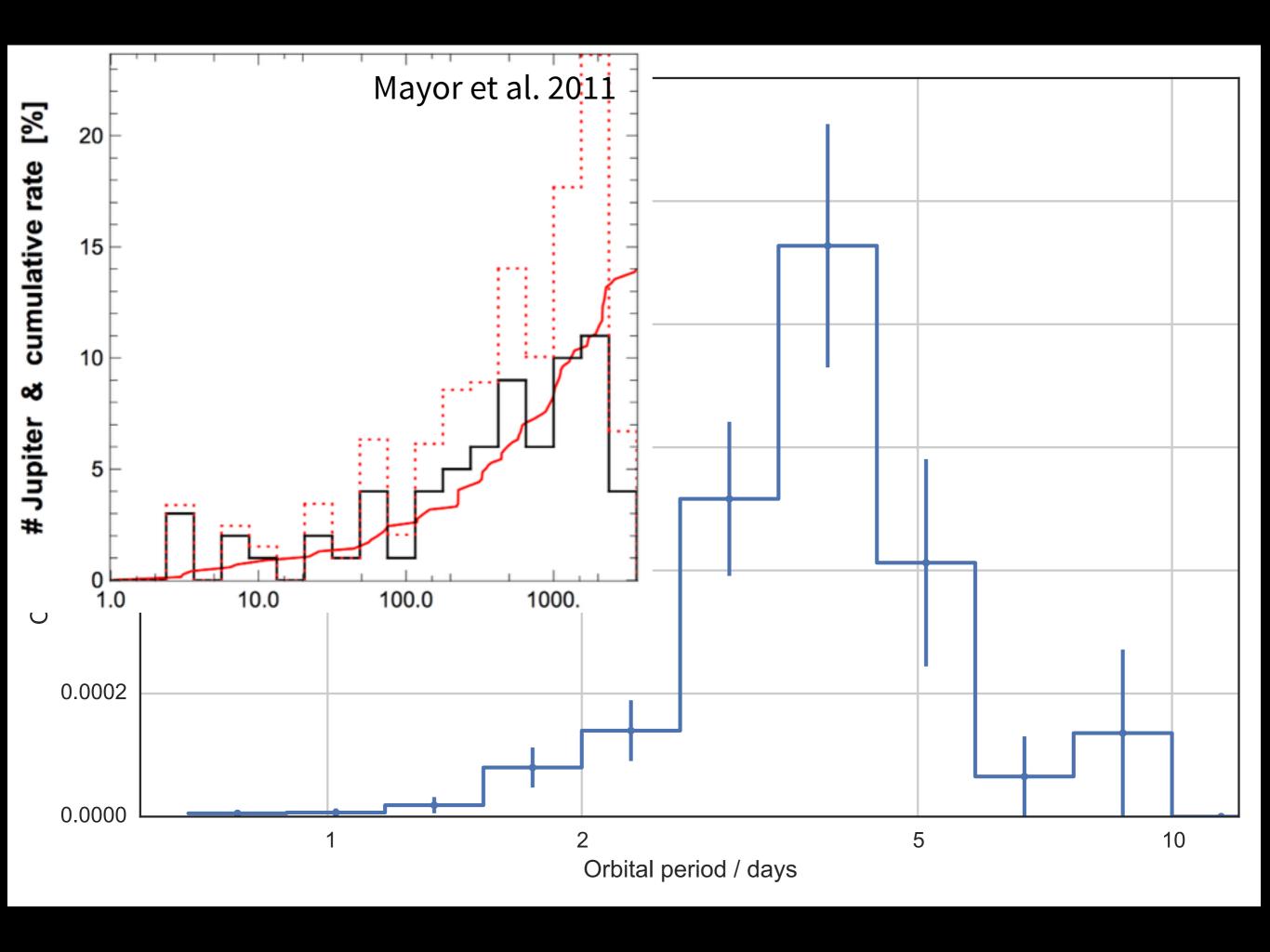


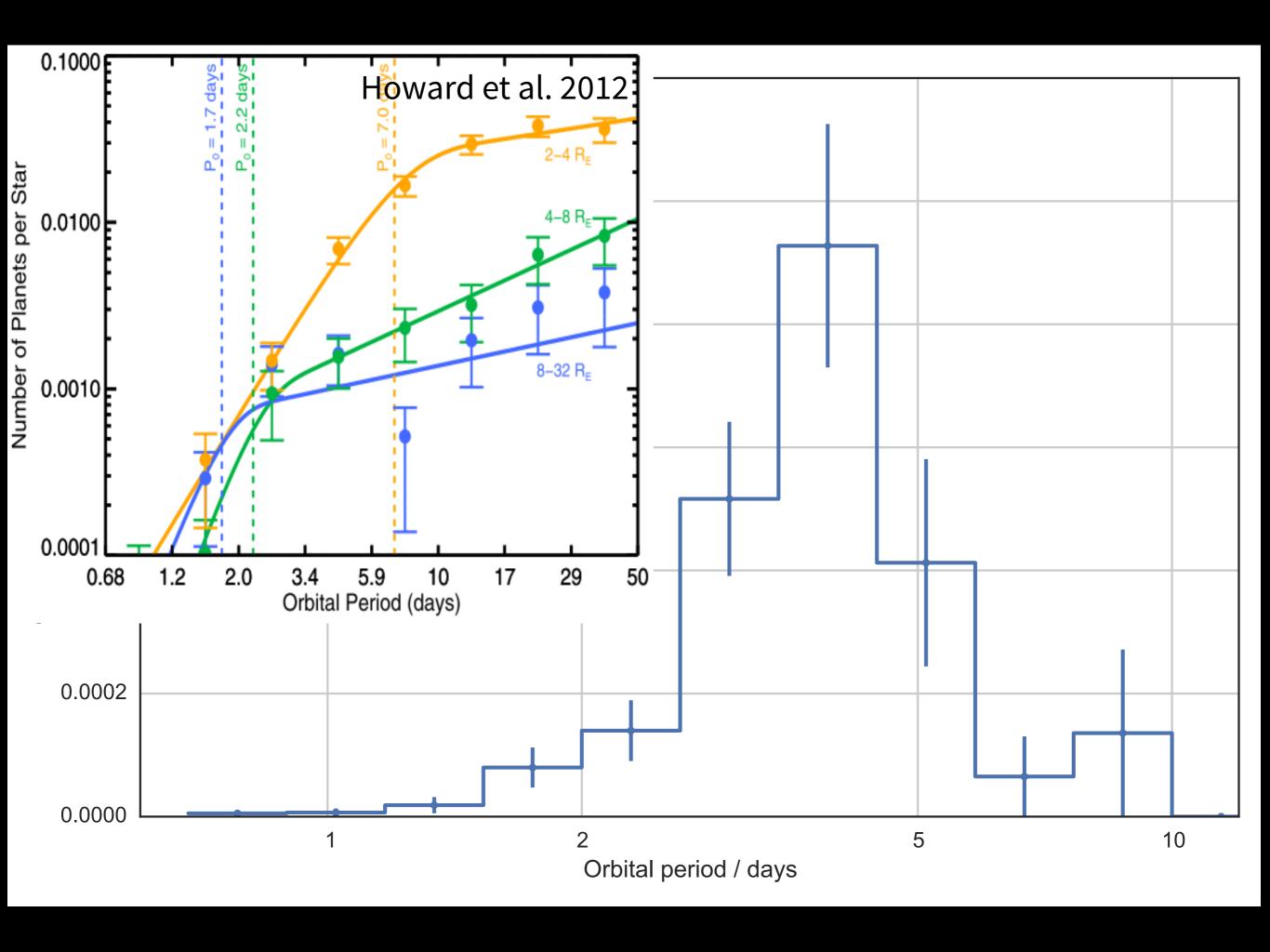




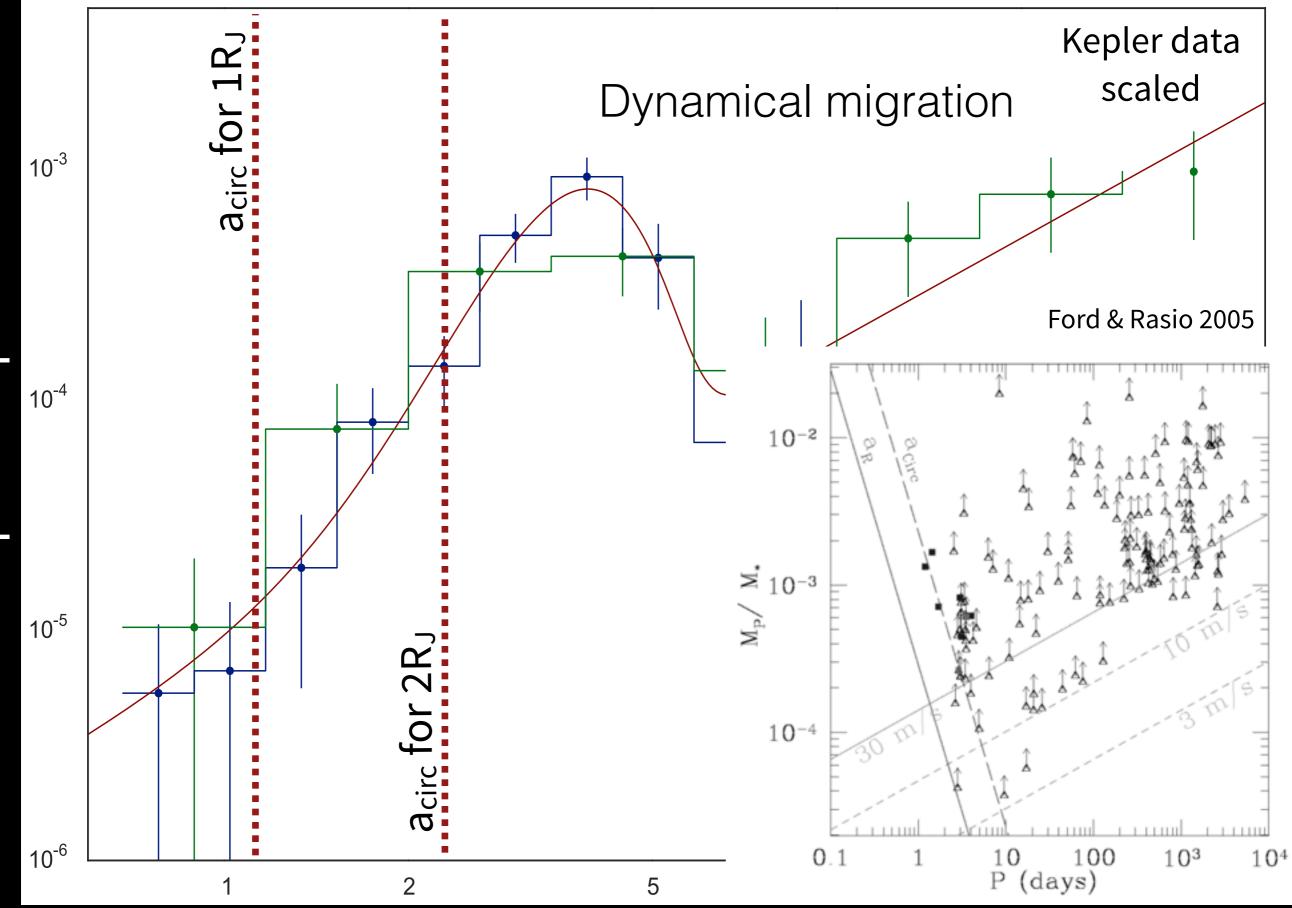




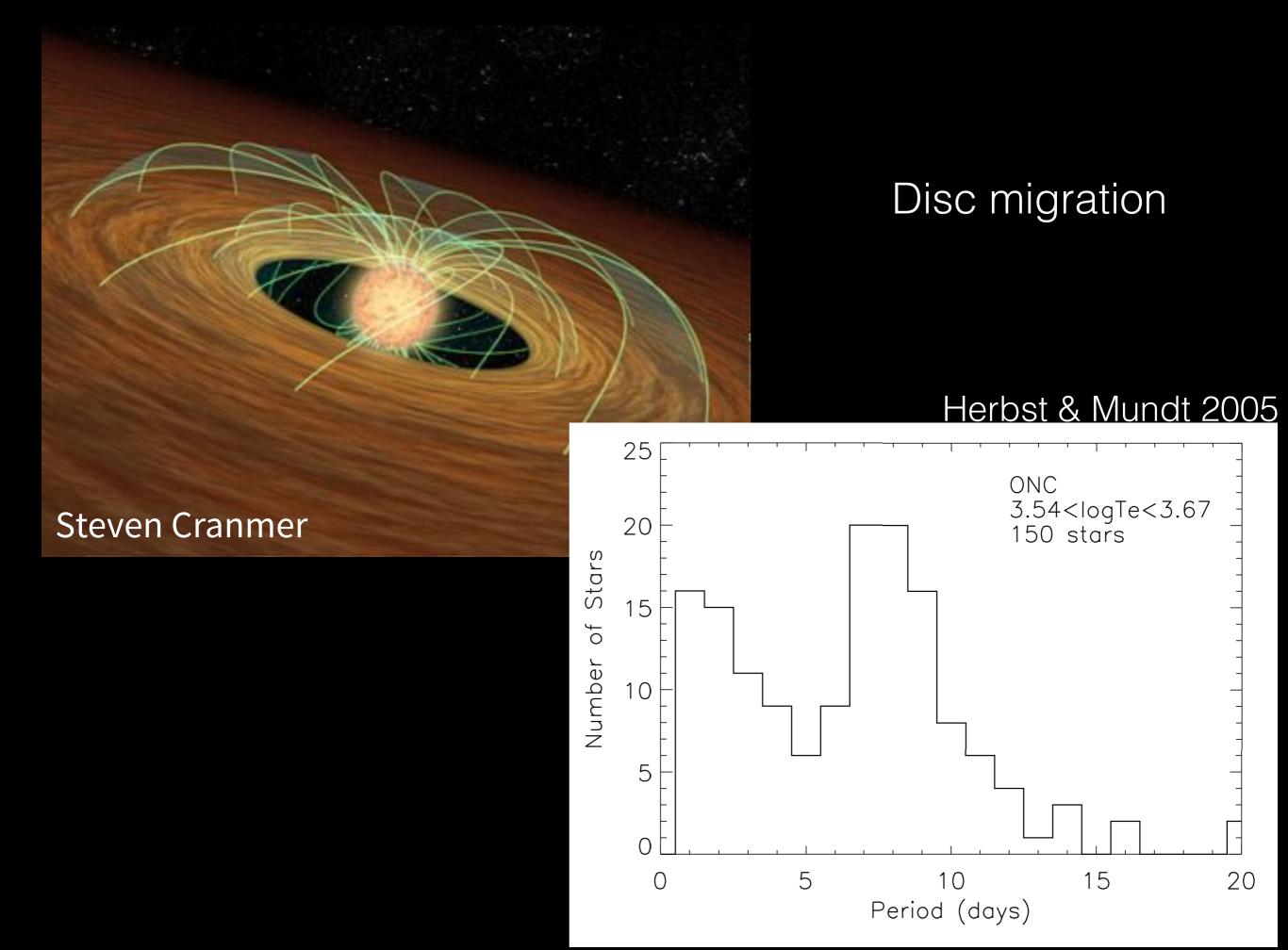


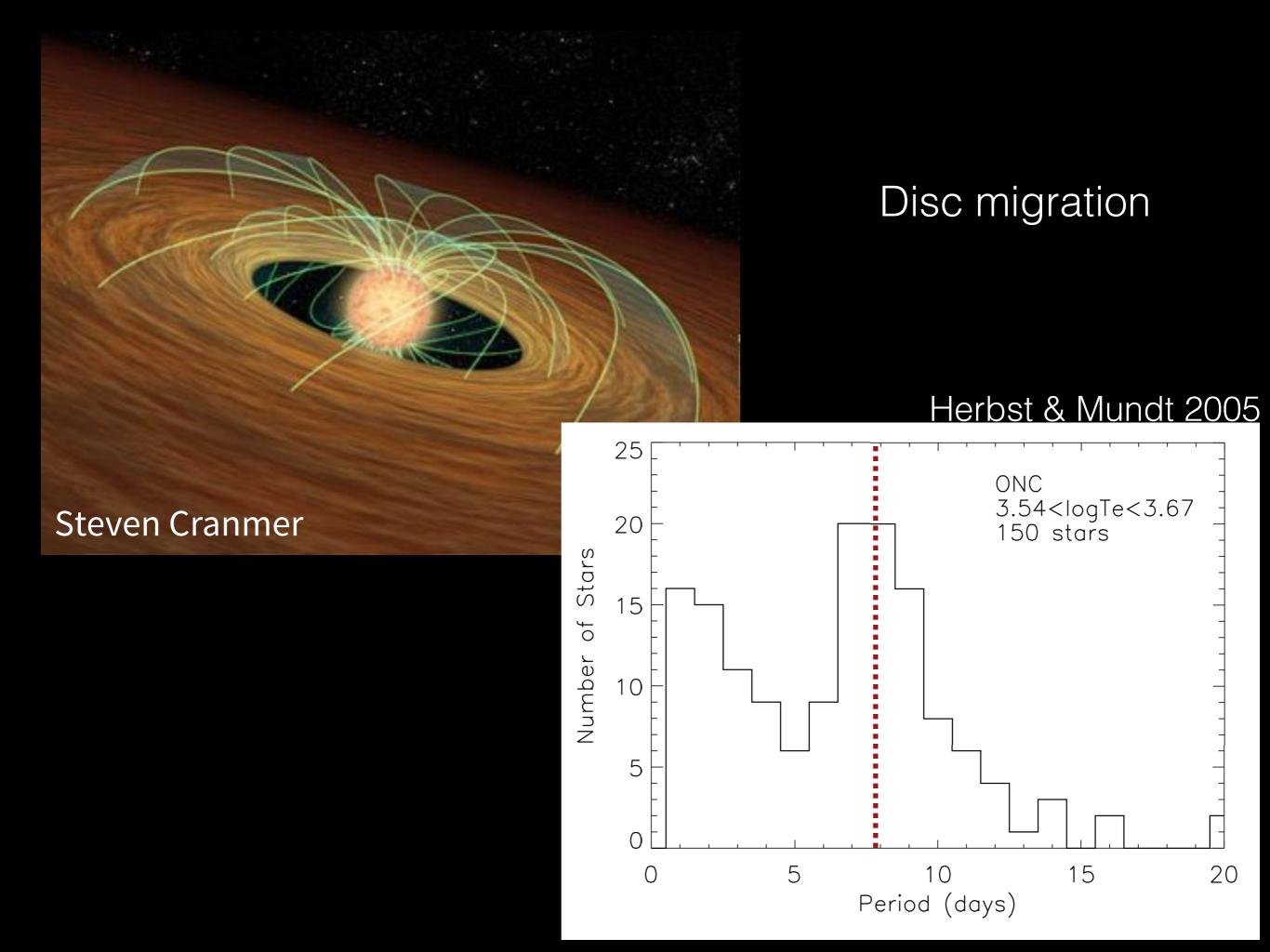


Orbital period / days



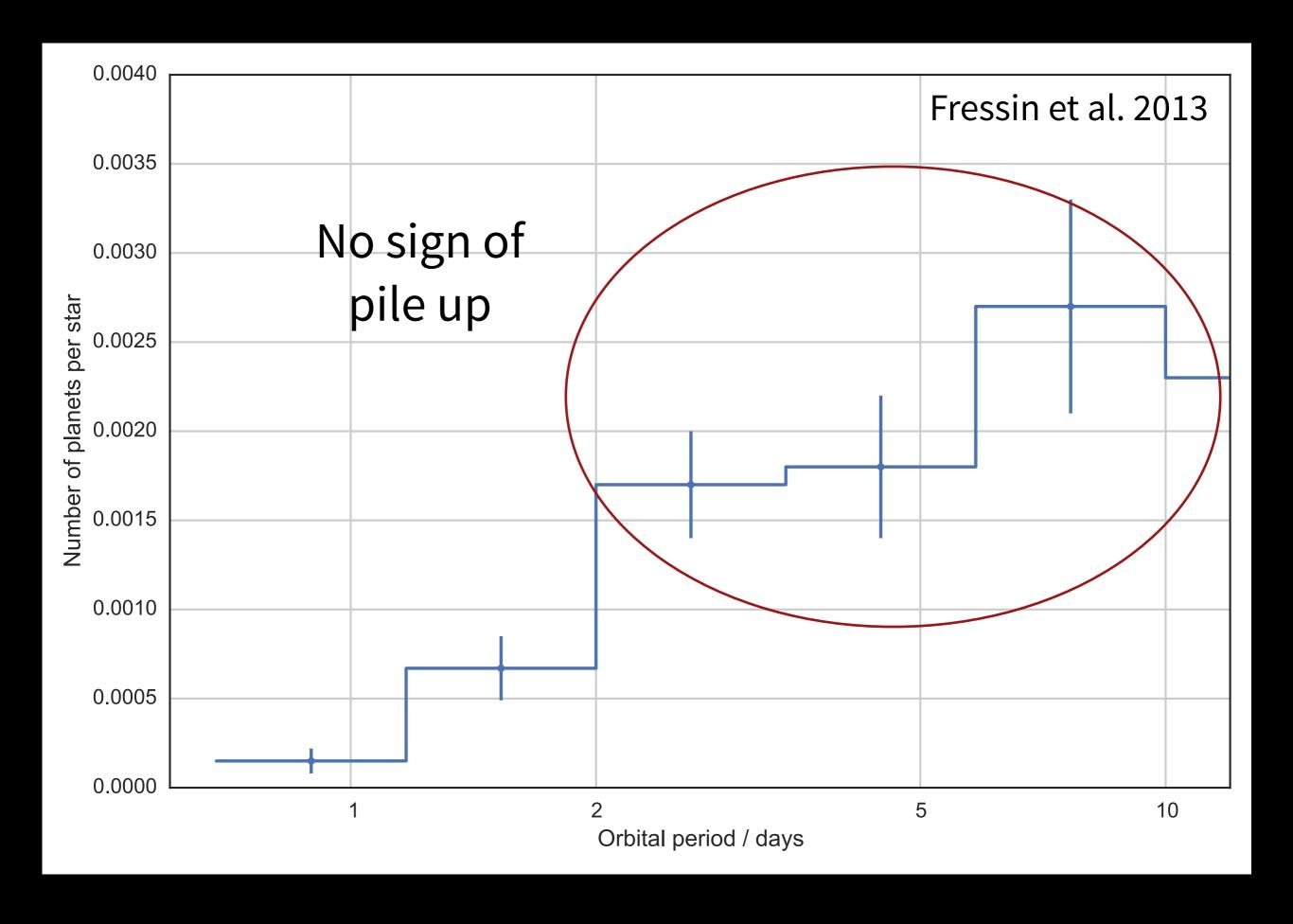
Orbital period / days

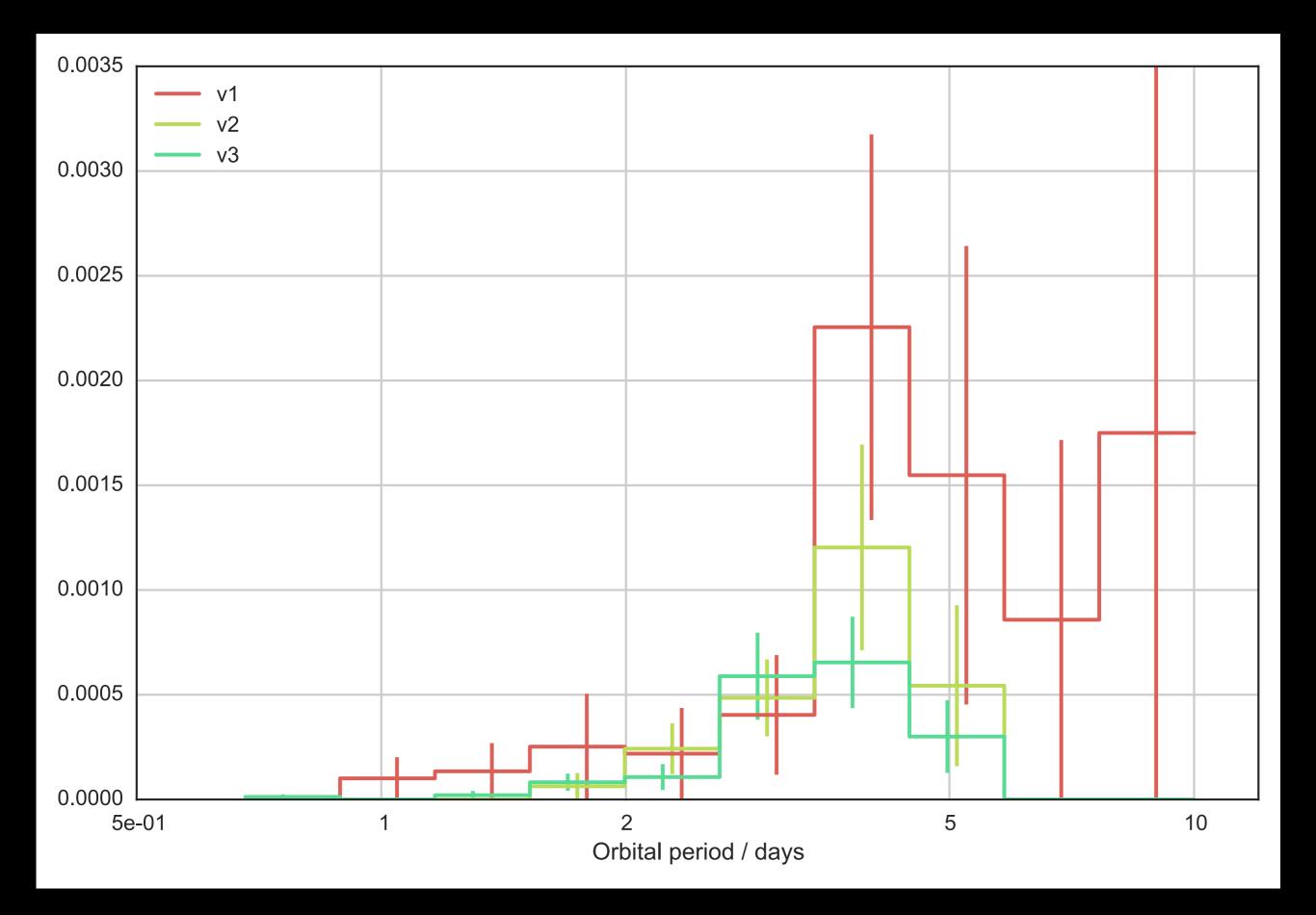




Summary

- We have measured the selection effects in the WASP survey
- There is a pile up in the underlying distribution of hot Jupiters at 3.9±0.1 days
- This should be a useful constraint on migration models





Transit detection with BLS algorithm

