

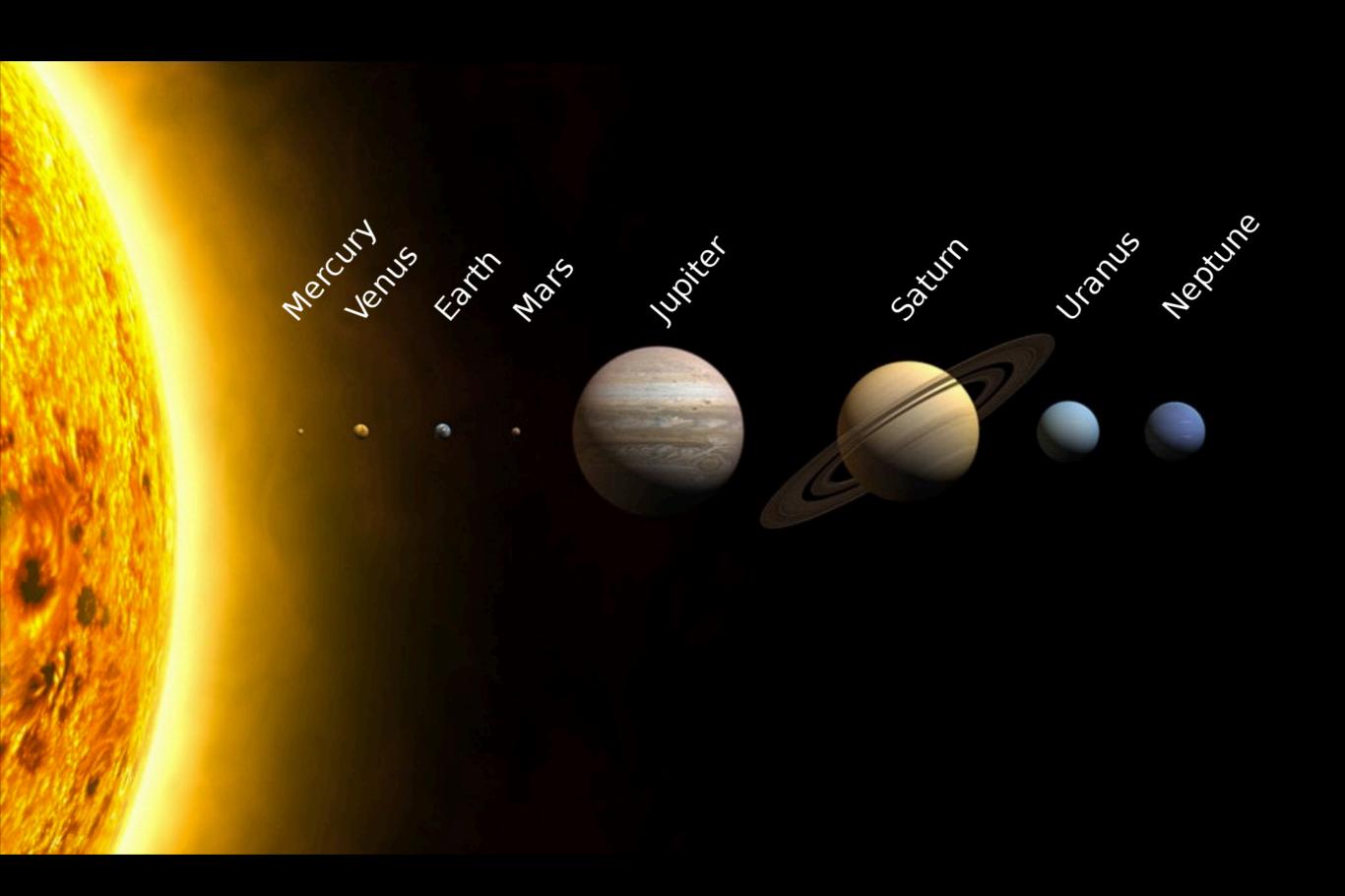


Winks and Wobbles

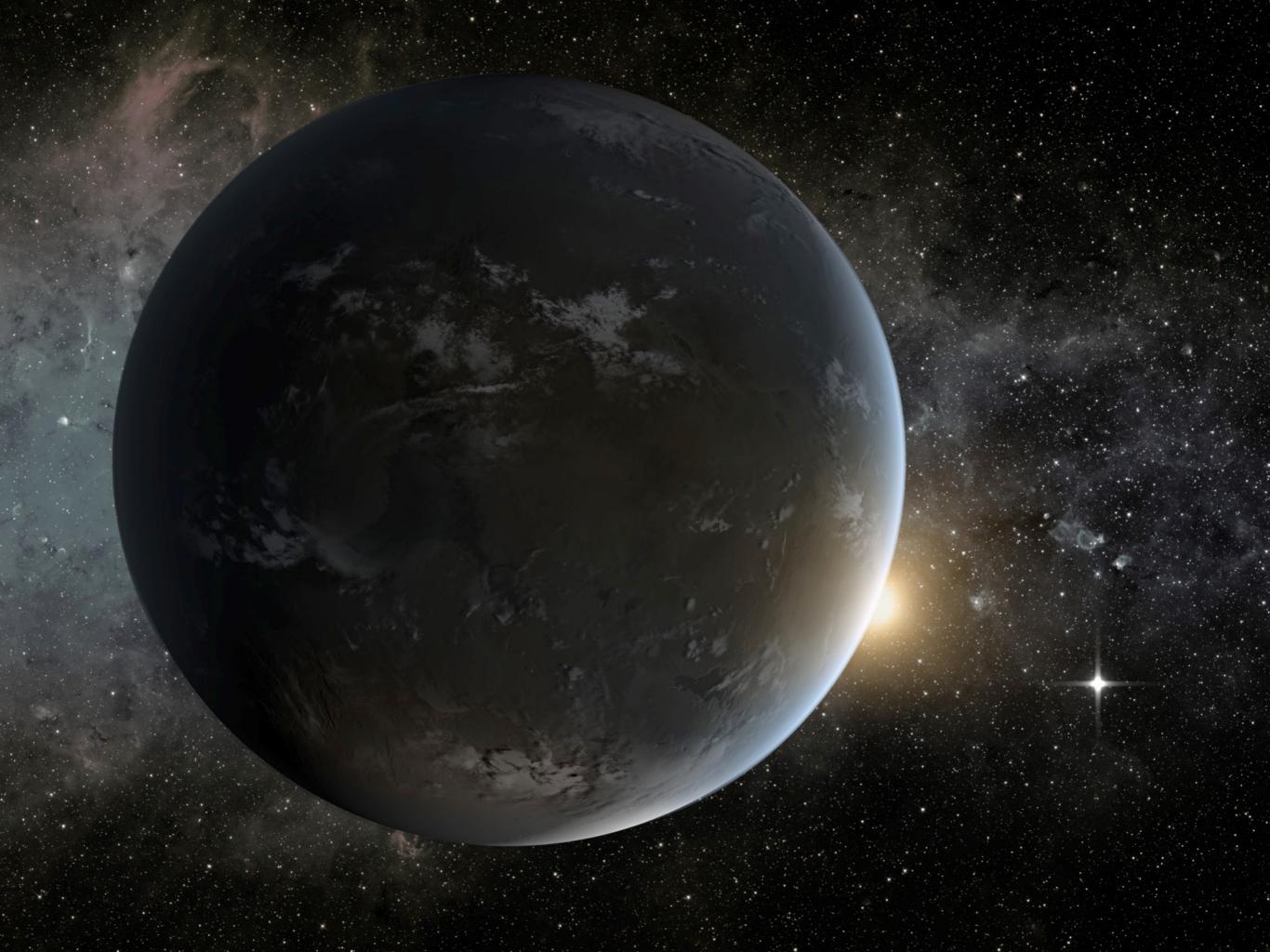
Exoplanets, how to find them, and what they're like

Dr David Brown
The University of Warwick















Winks

Wobbles



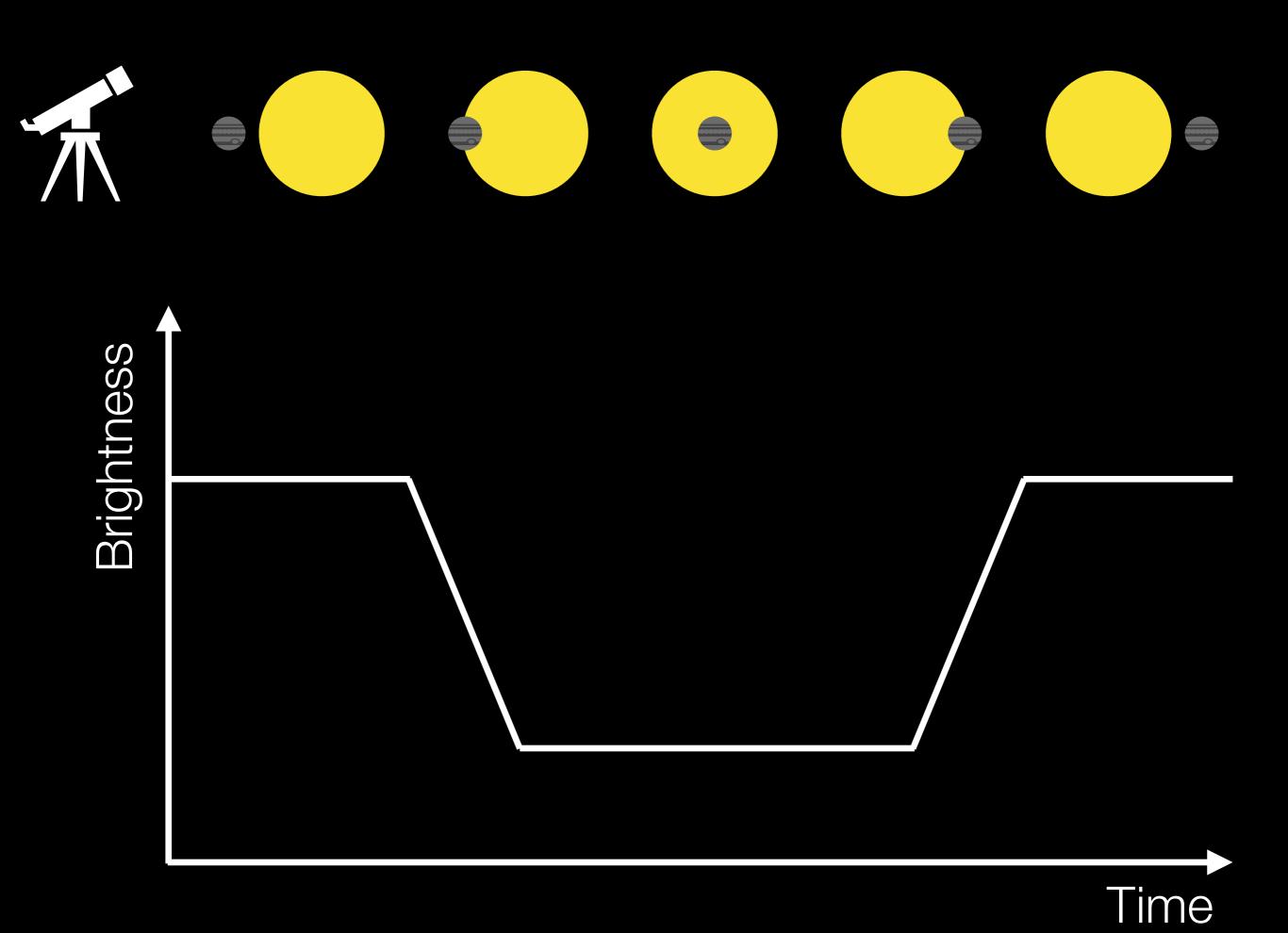
Winks

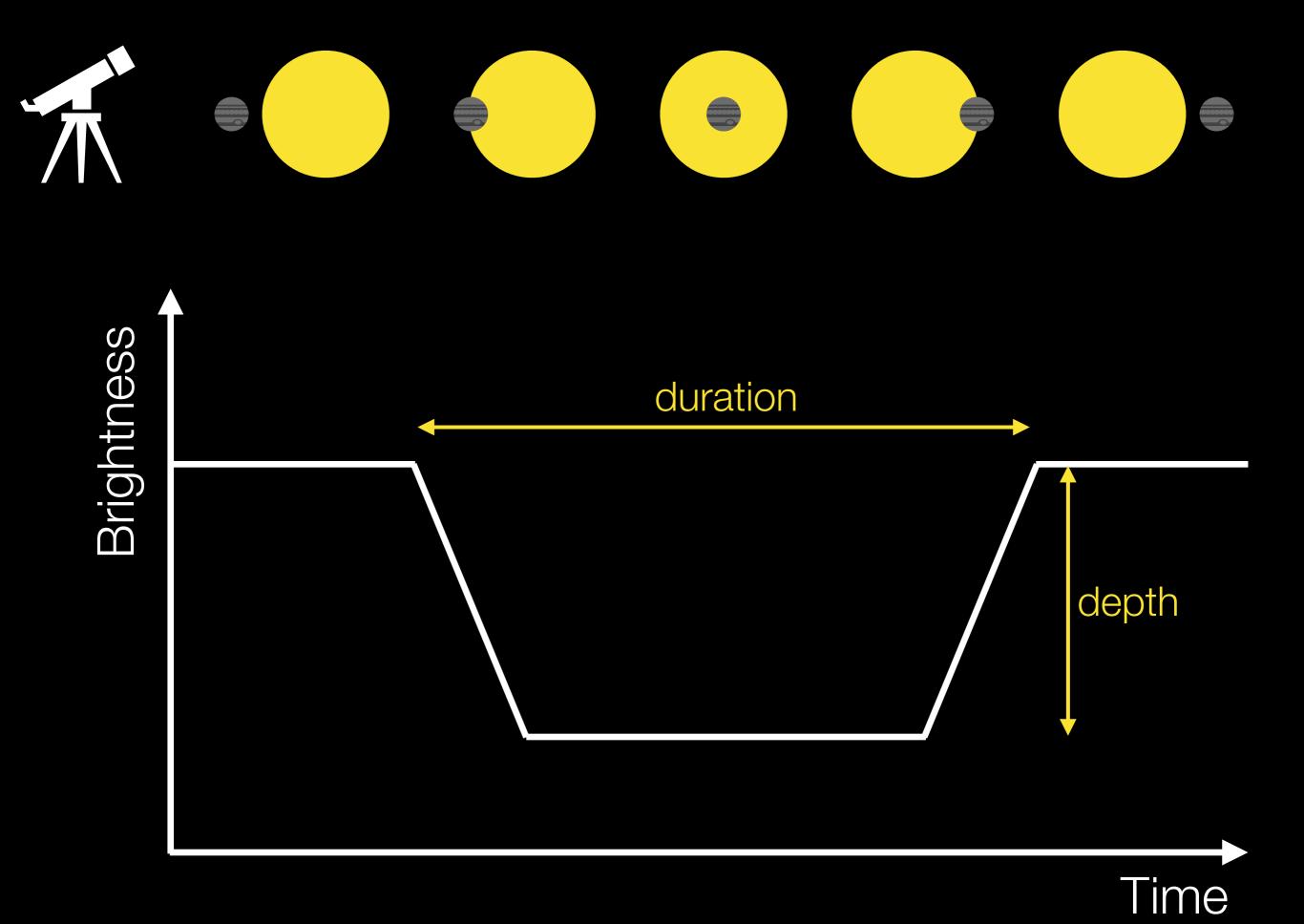
Transit method

Wobbles

Radial velocity method

Demonstration time!





Your turn to explore

www.warwick.ac.uk/davidjabrown/transitworkshop



SuperWASP-North Wide Angle Search for Planets (WASP) WASP-South



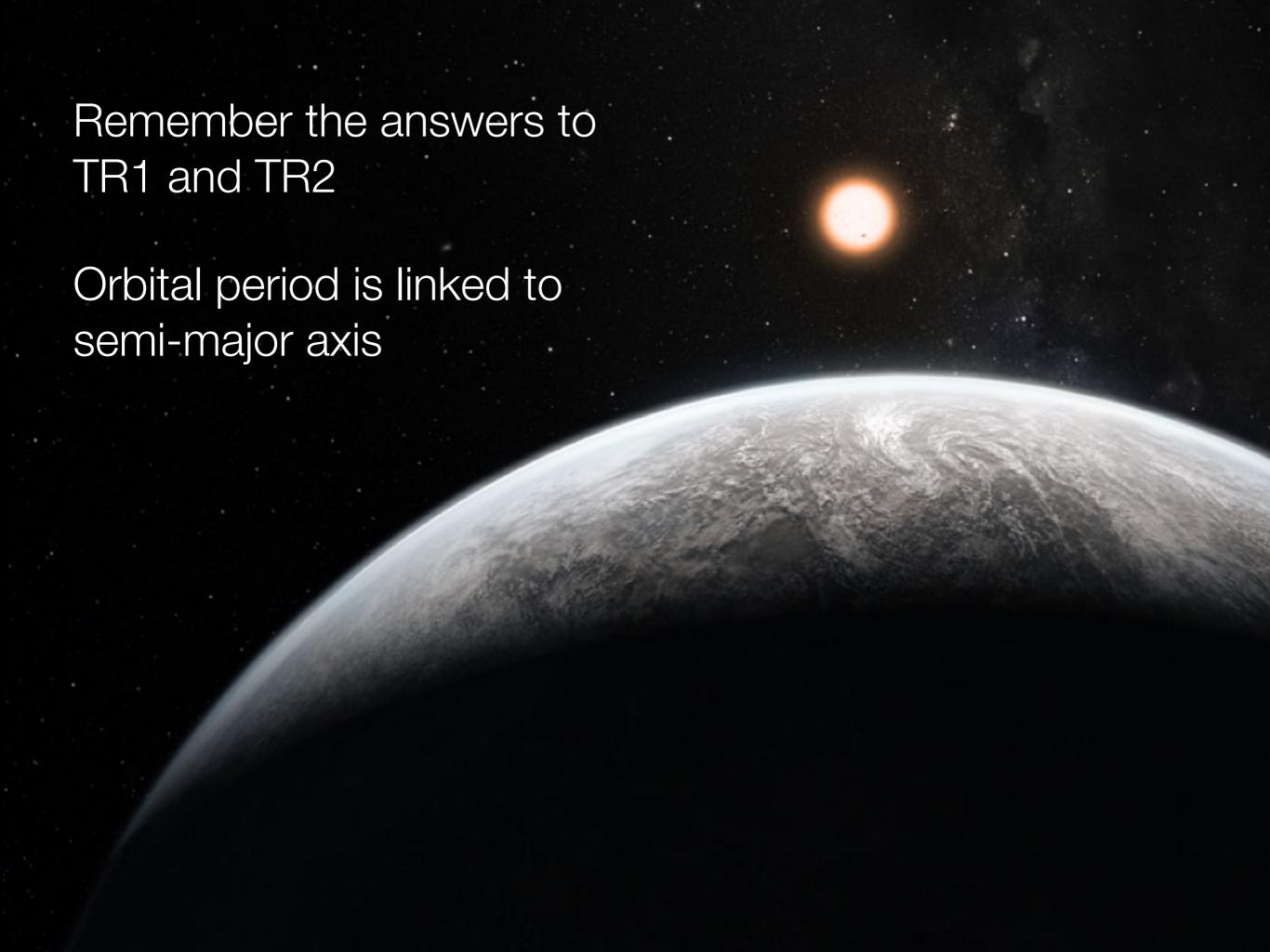
PLATO





Your turn to investigate

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f) system5 a) system8 b) system9 g) system11 c) system2 h) system4 d) system6 e) system1

a) system8 f) system5
b) system9 g) system11
c) system2 h) system4
d) system6

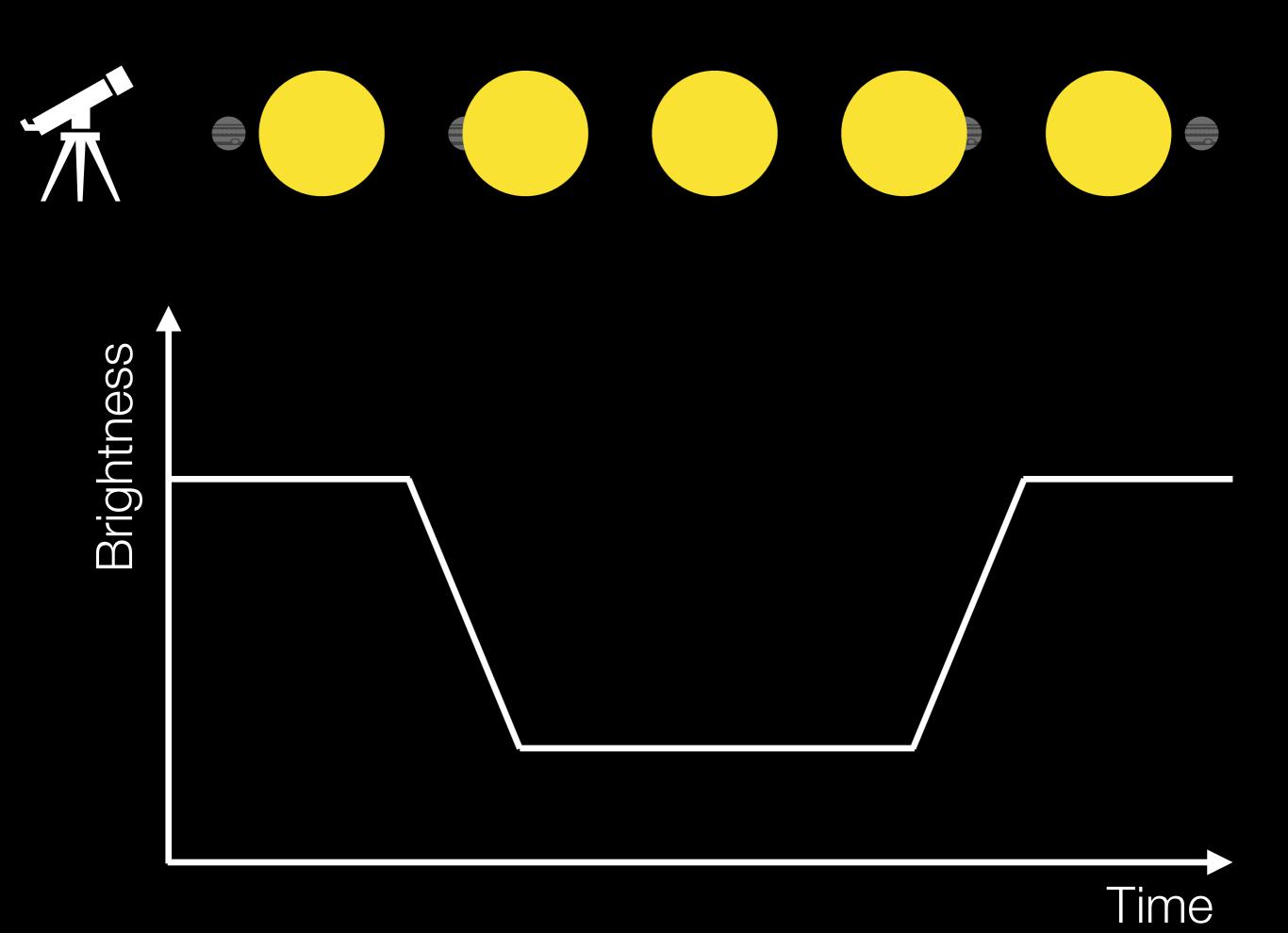
system3 = clouds

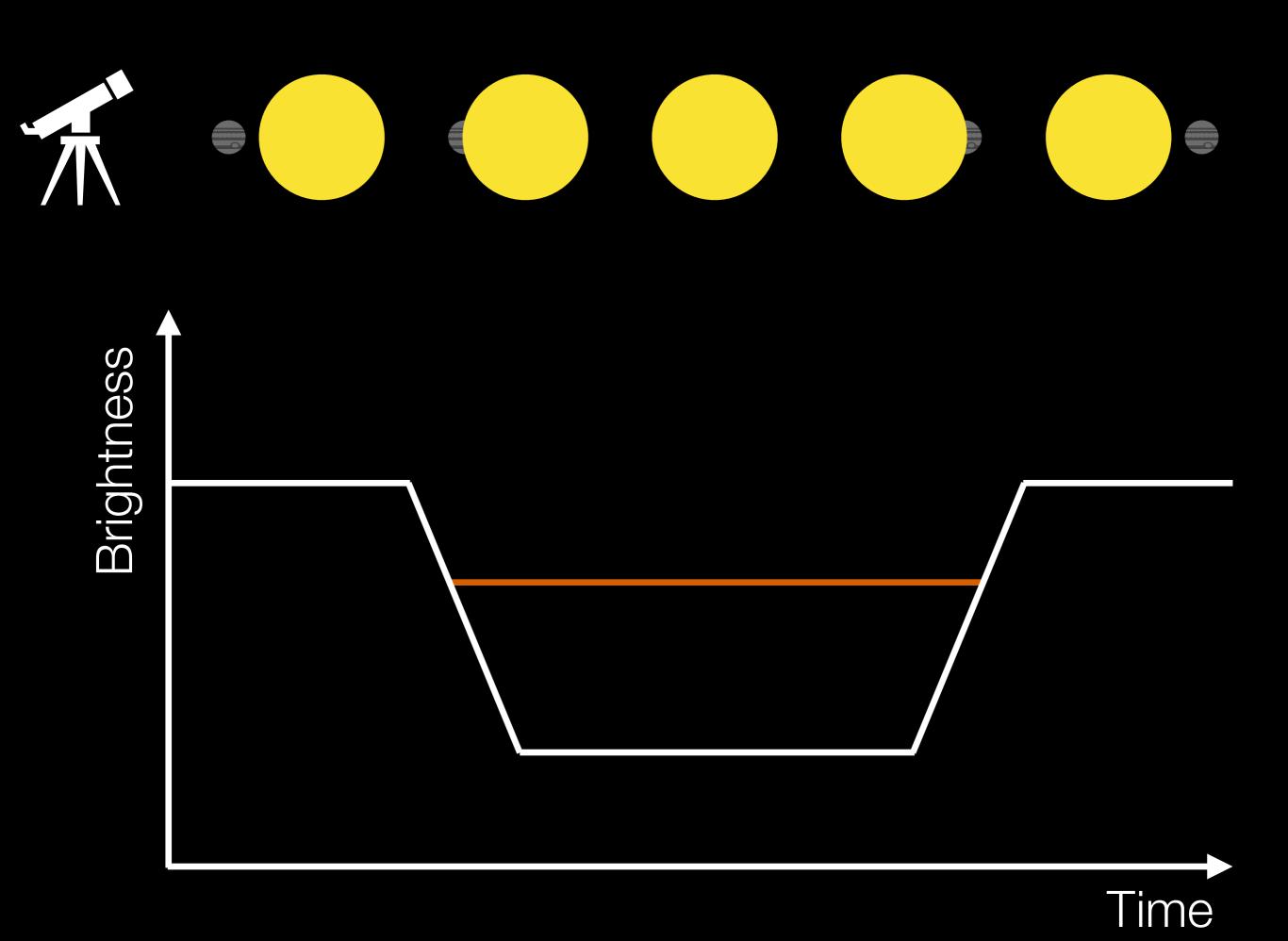
e) system1

system10 = stellar flares

system7 = rotating star

system12 = binary star





What exoplanets are

How you find them

Wobbles - radial velocities

Winks - transits

How the type of planet changes the signal you see

Things that cause transits but aren't planets

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