

# NGTS: Next-Generation Transit Survey

Peter Wheatley

Belfast Berlin Geneva Leicester Warwick

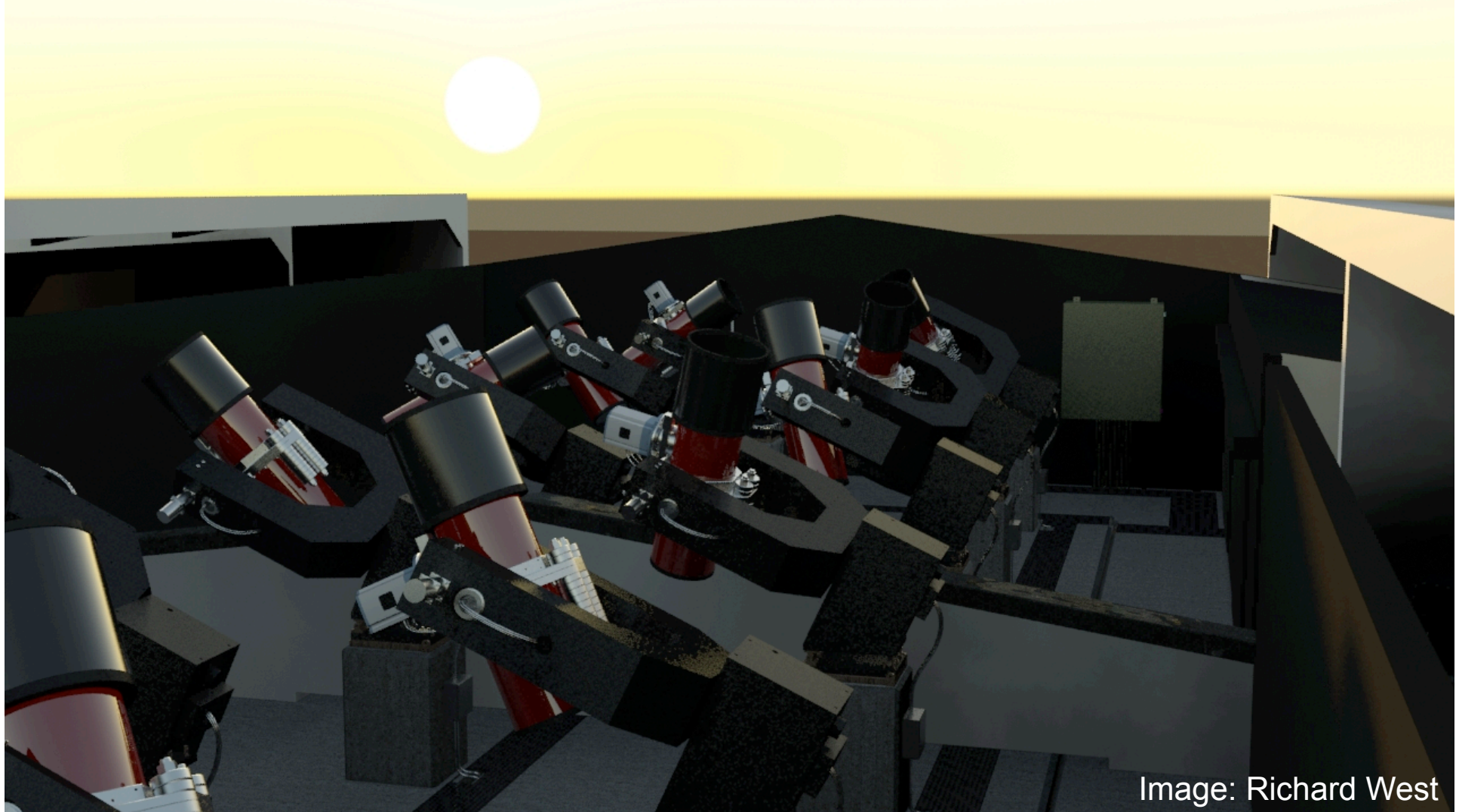
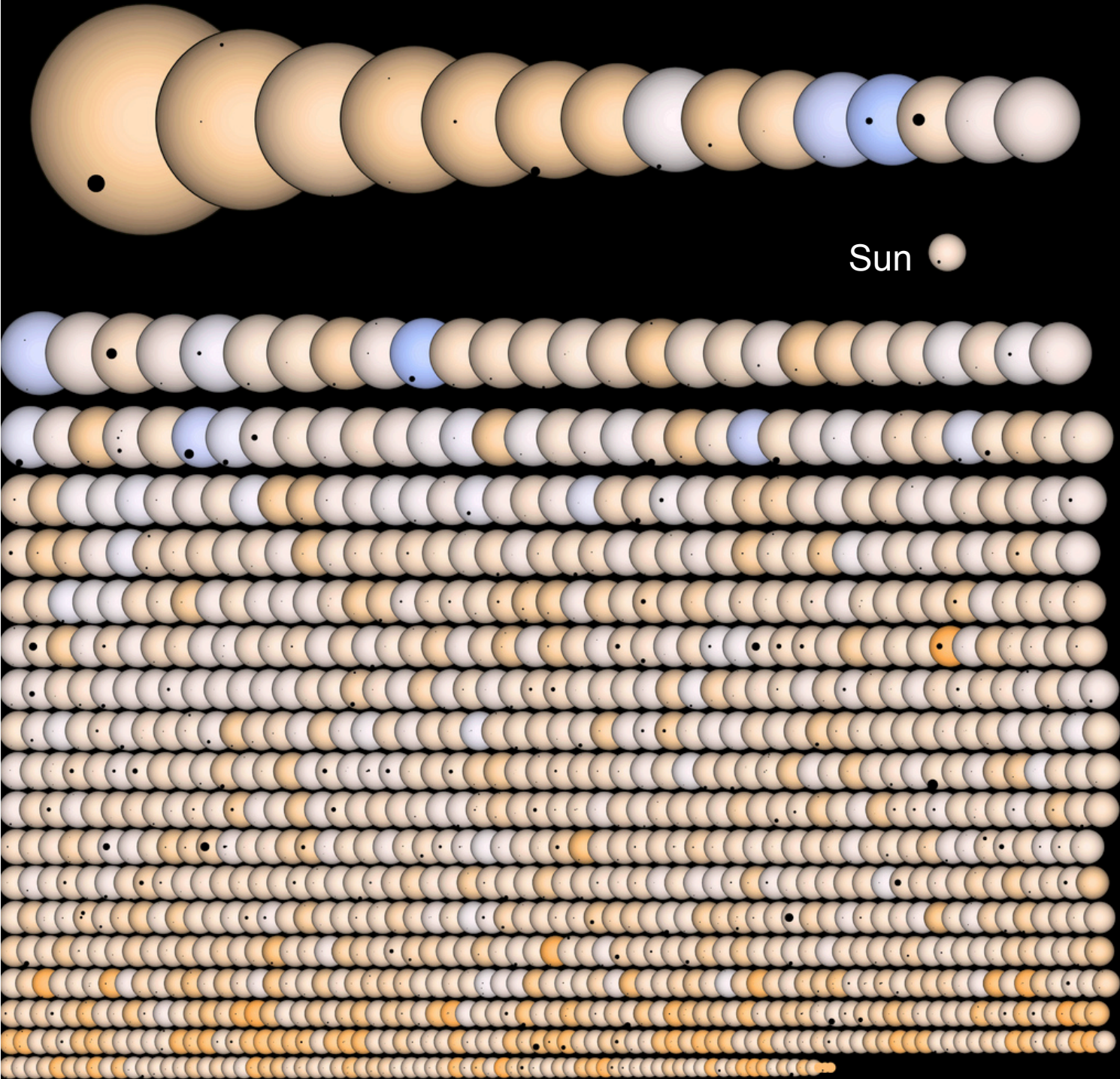


Image: Richard West

# Kepler candidates

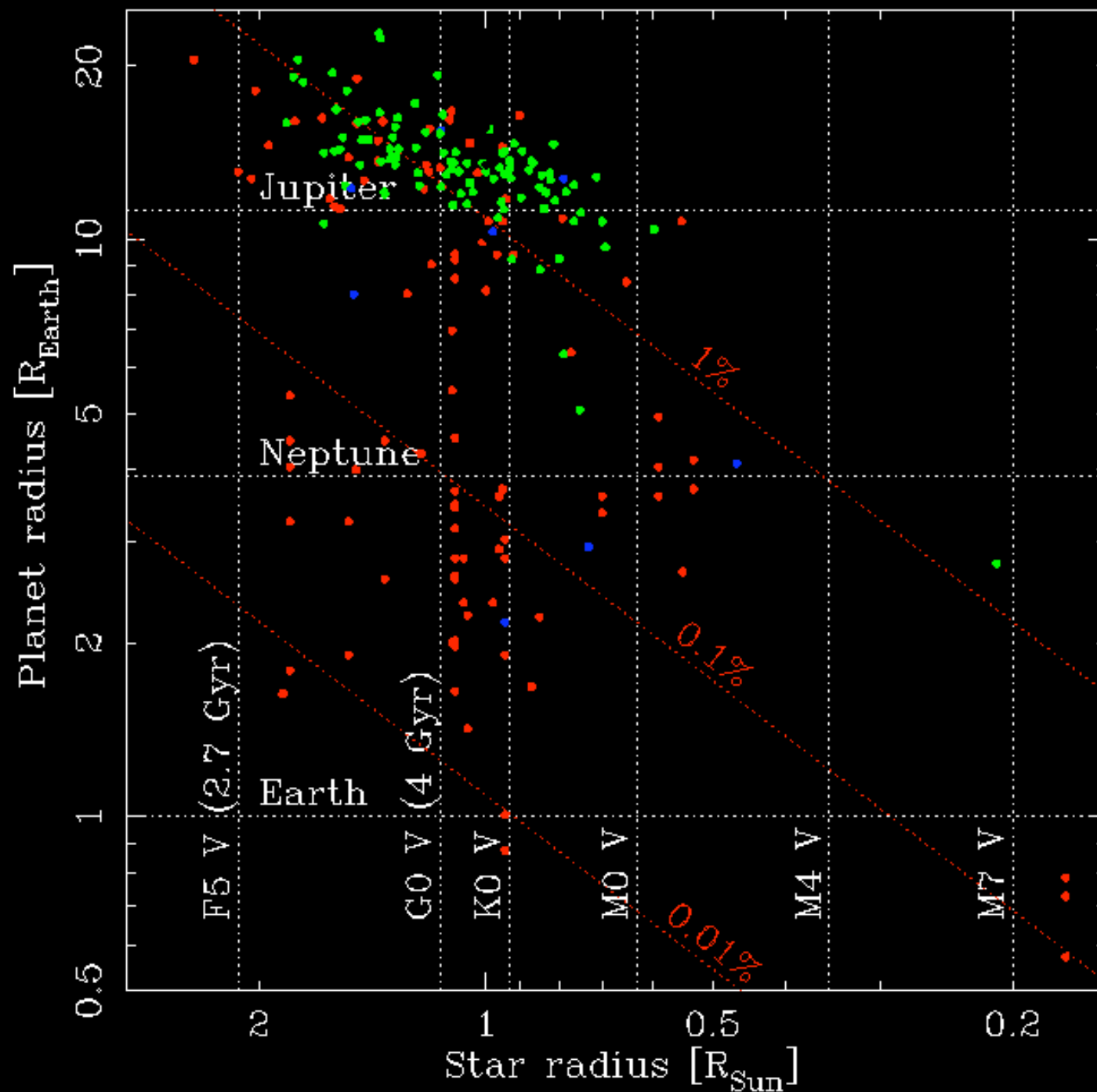
Sun





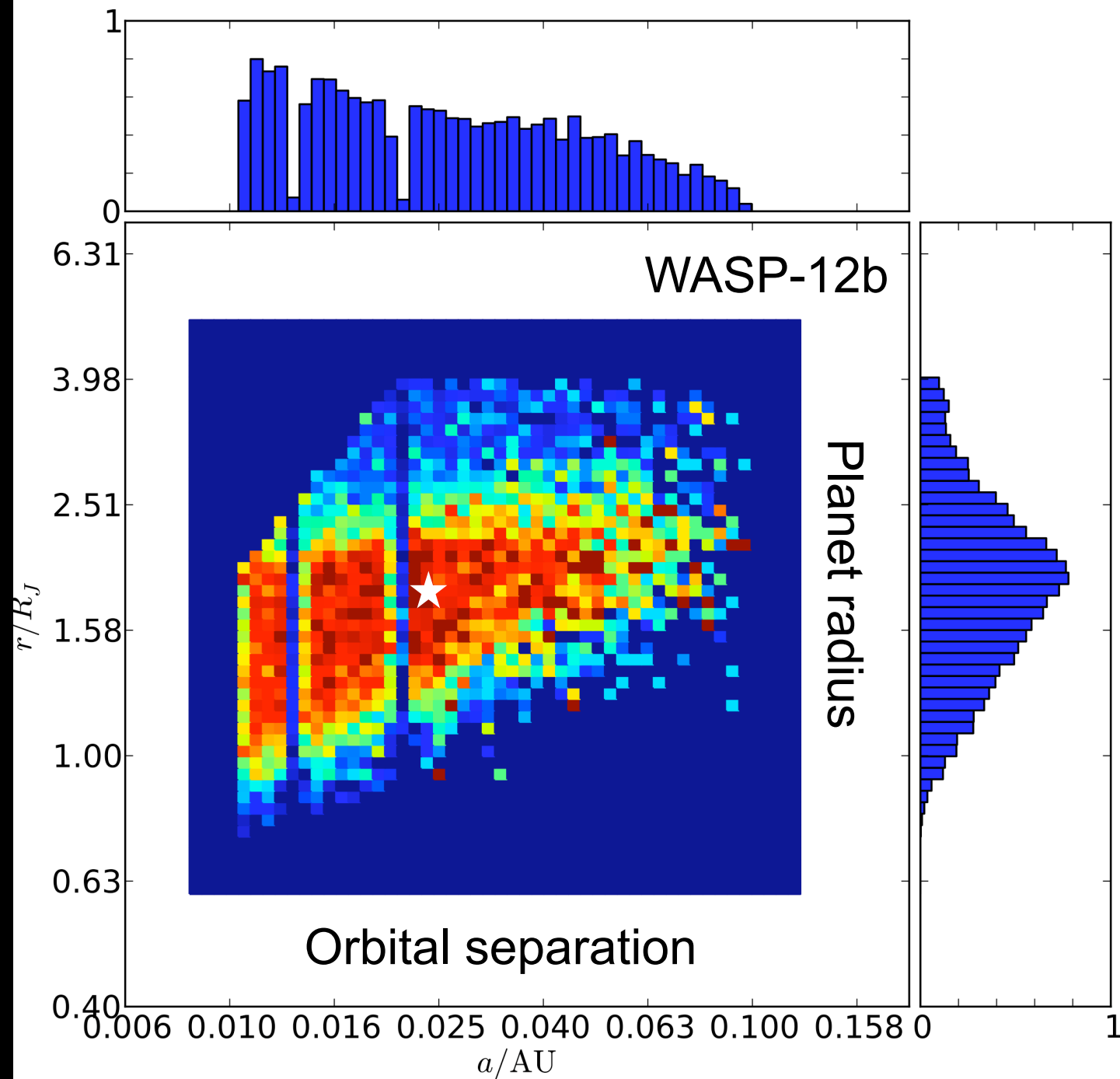
# Transit discovery space

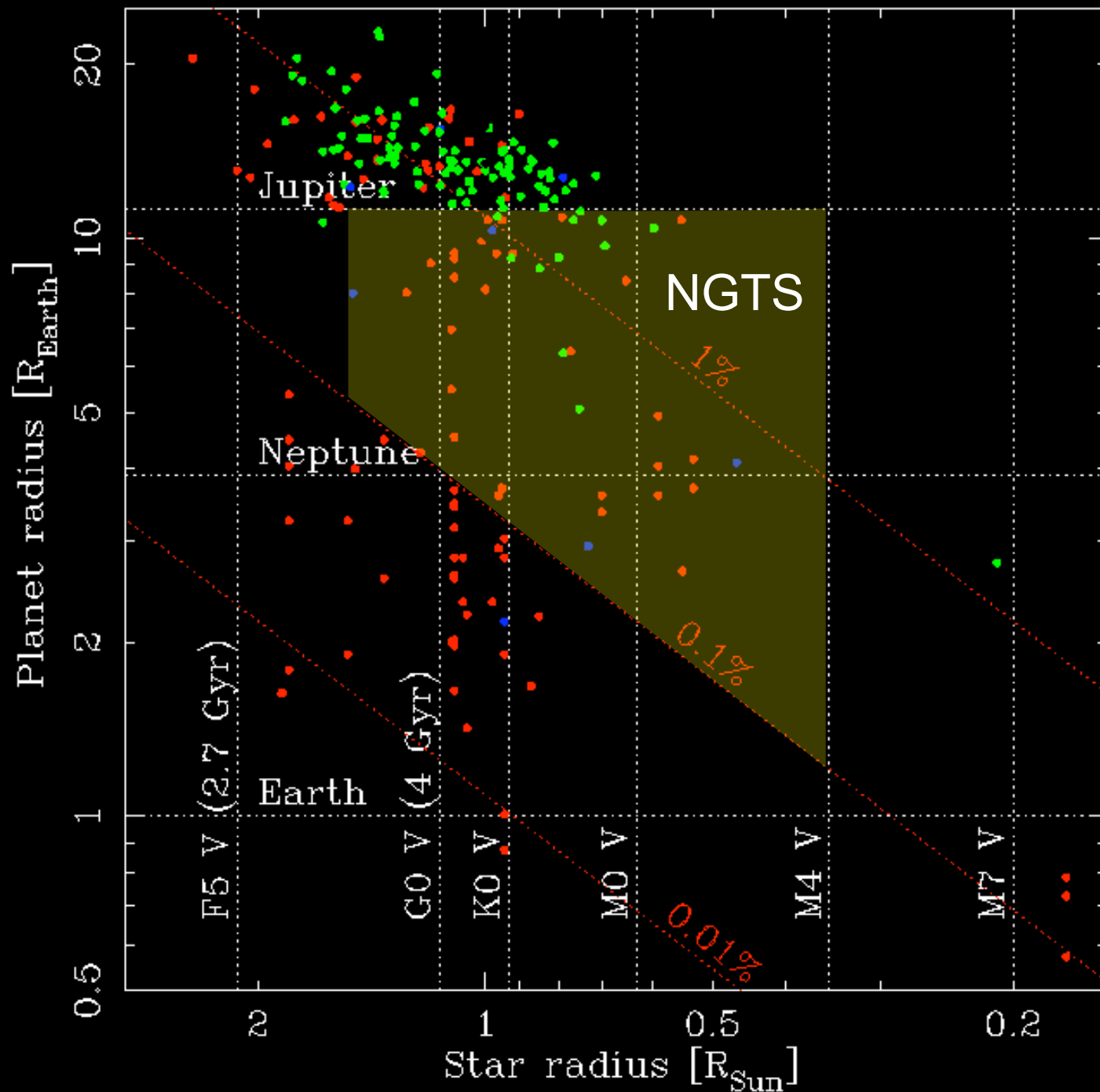
Ground-based  
Space-based  
Radial velocity



Poster by  
Simon Walker  
(Warwick)

Underlying  
hot Jupiter  
population  
with WASP



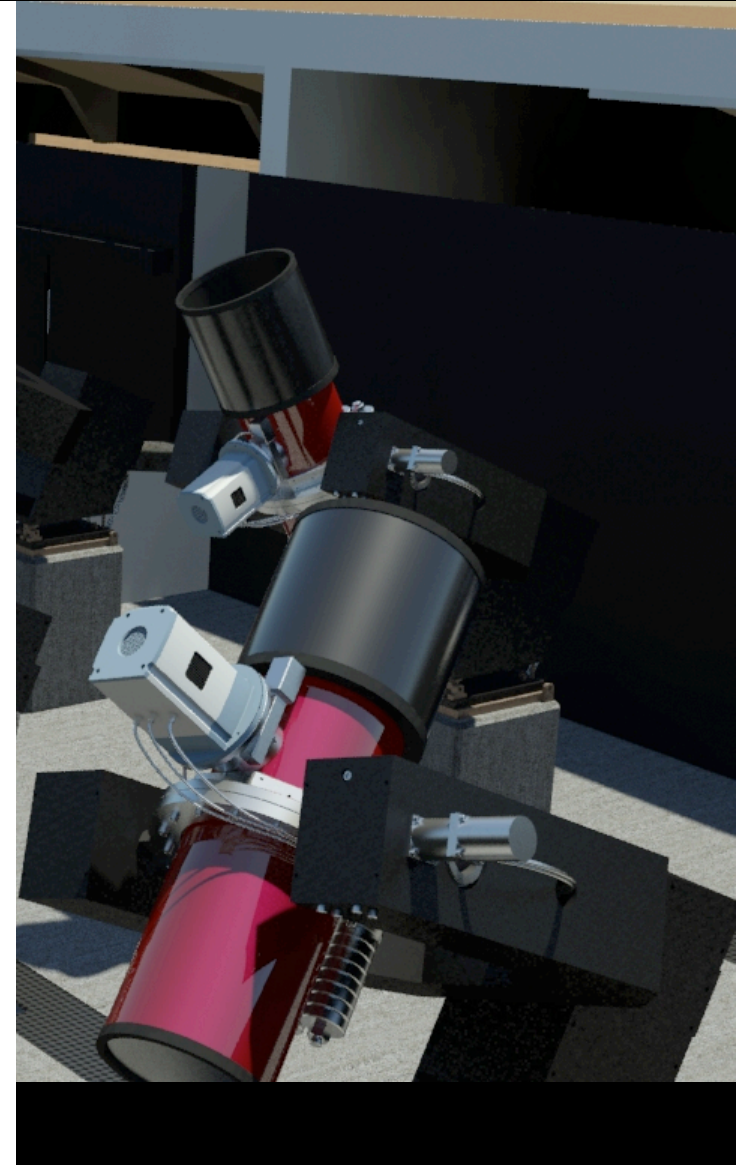
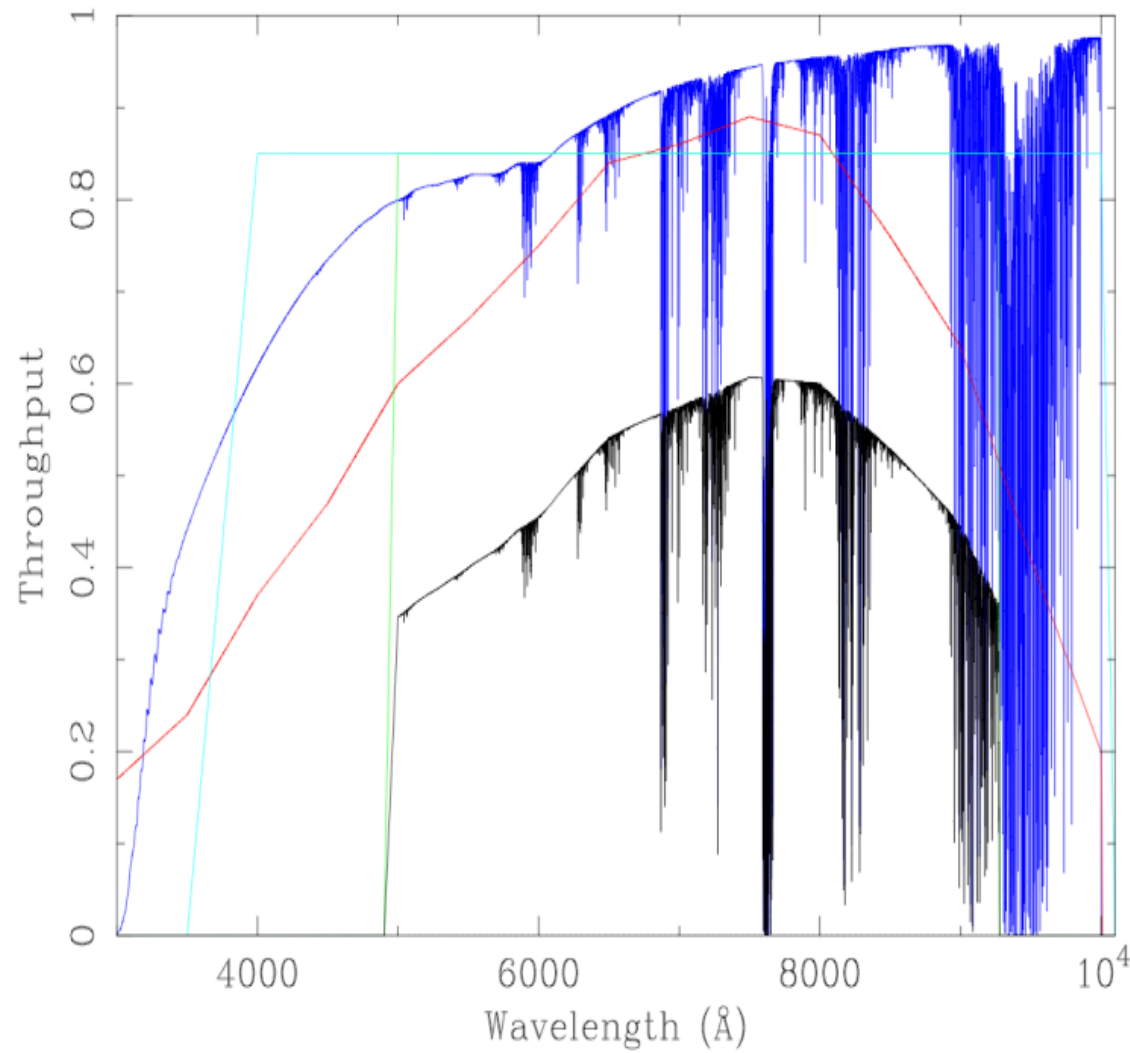


Transit  
discovery  
space

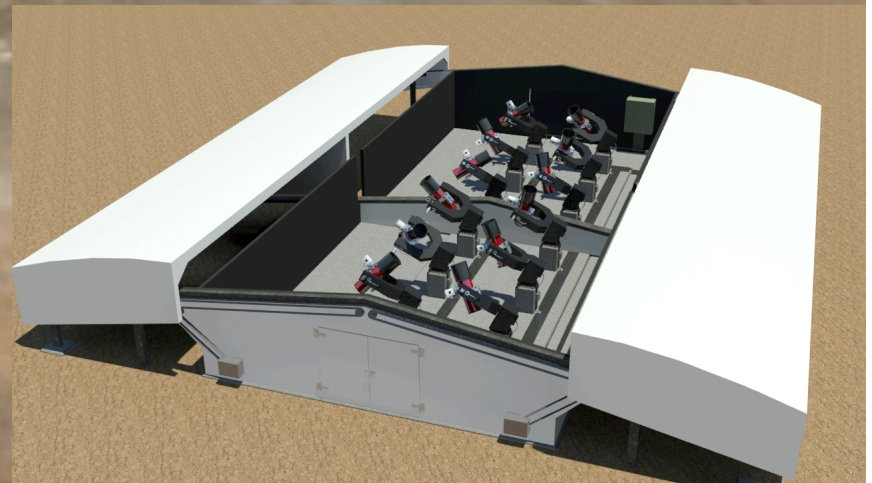
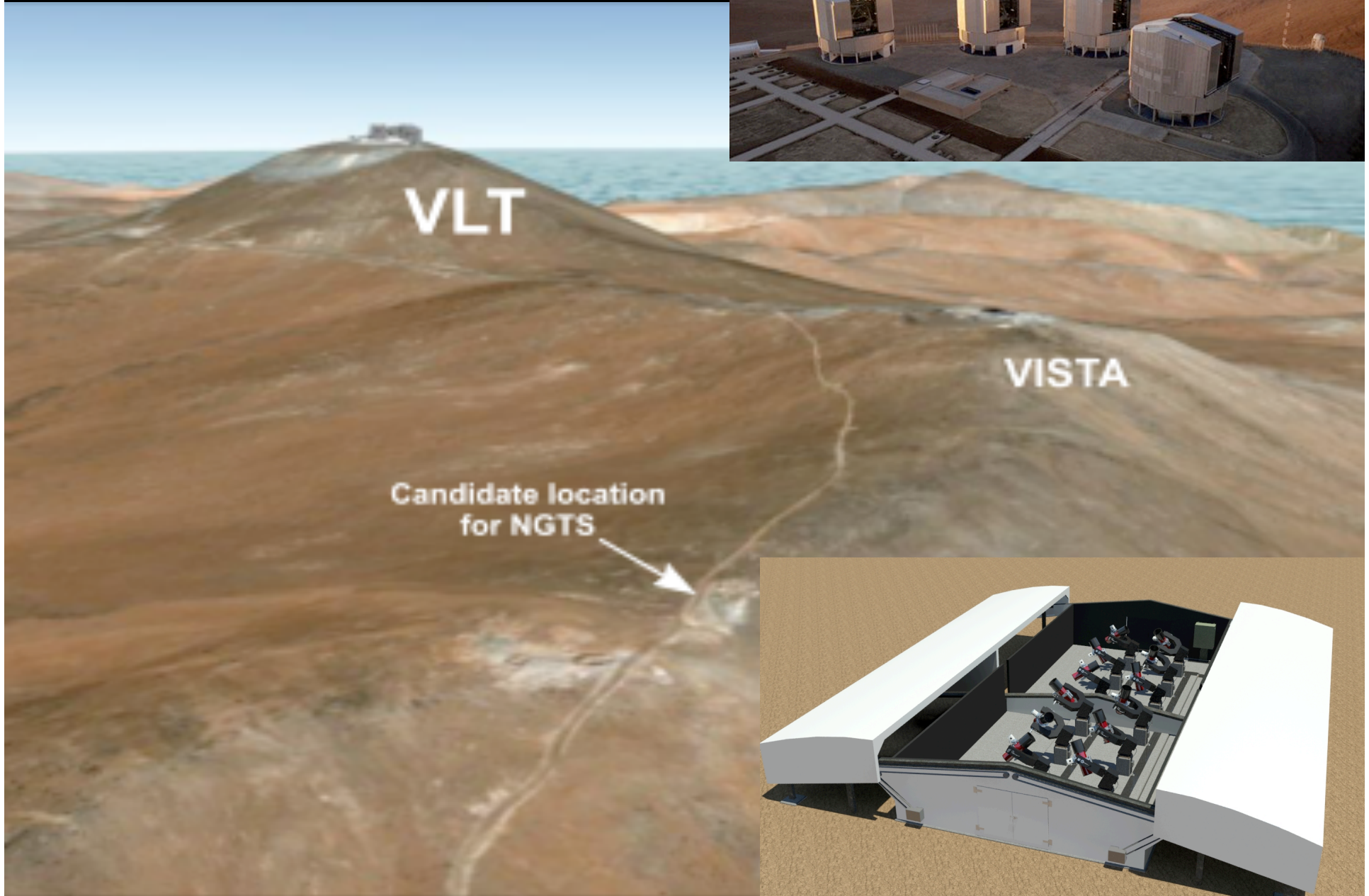
Ground-based  
Space-based  
Radial velocity

# NGTS Design

12 x 20cm f/2.8 telescopes  
110 sq deg  
600-900nm

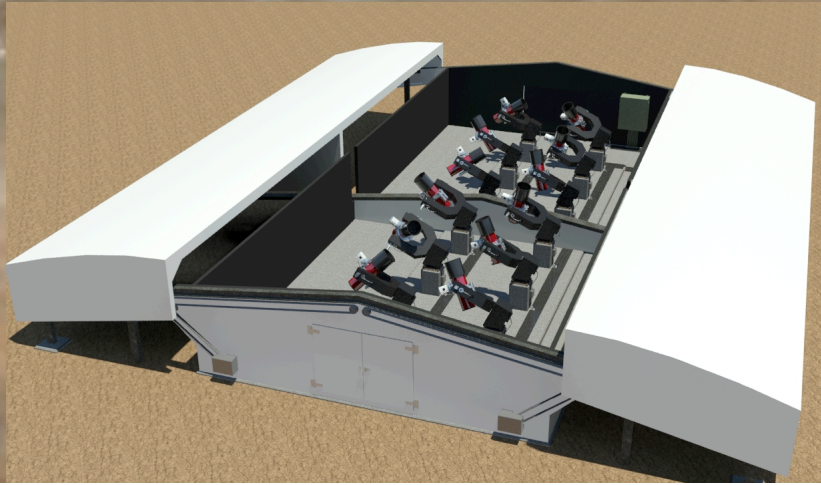
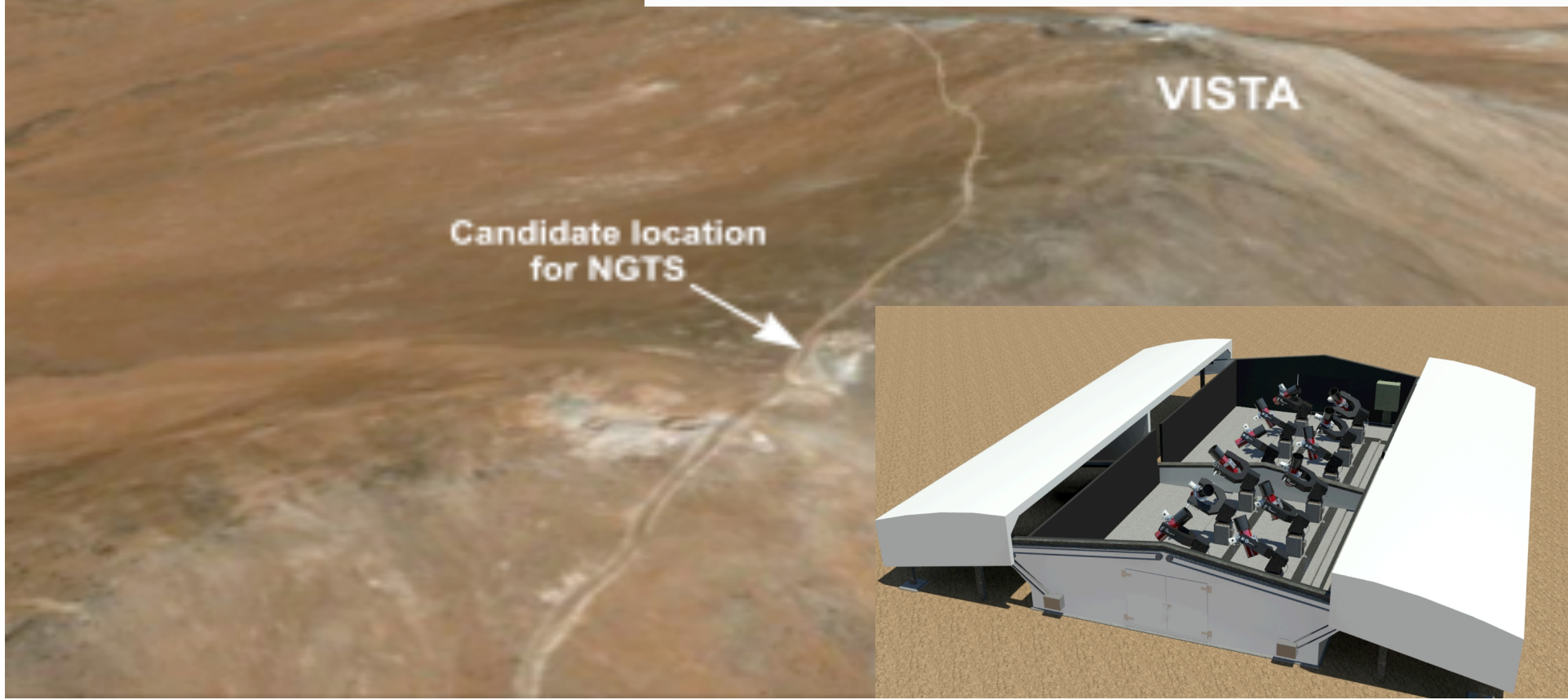
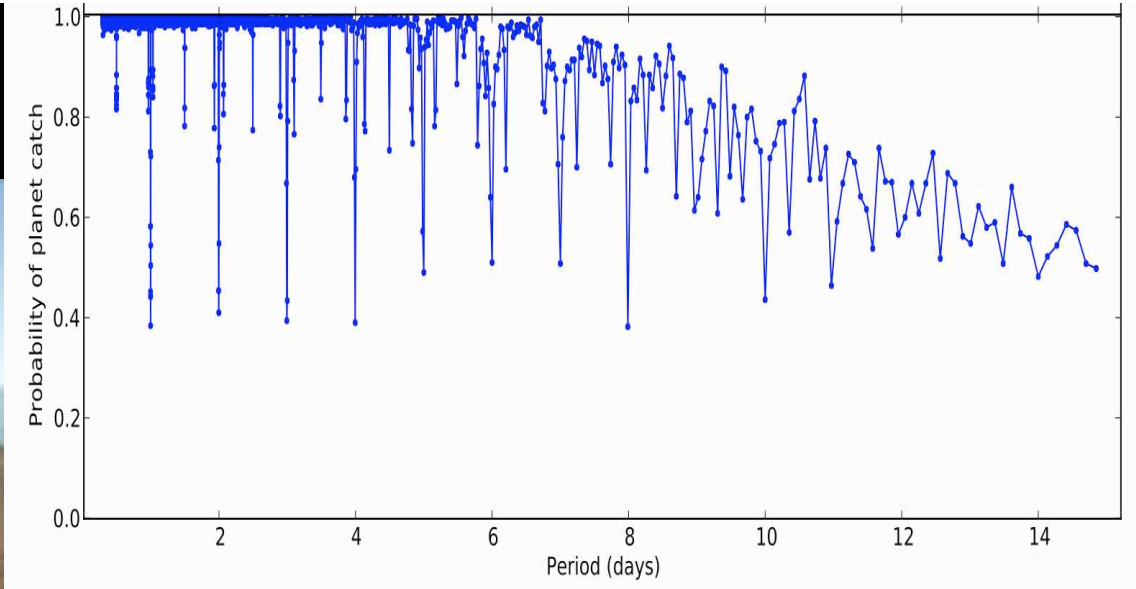


# NGTS Site: Paranal

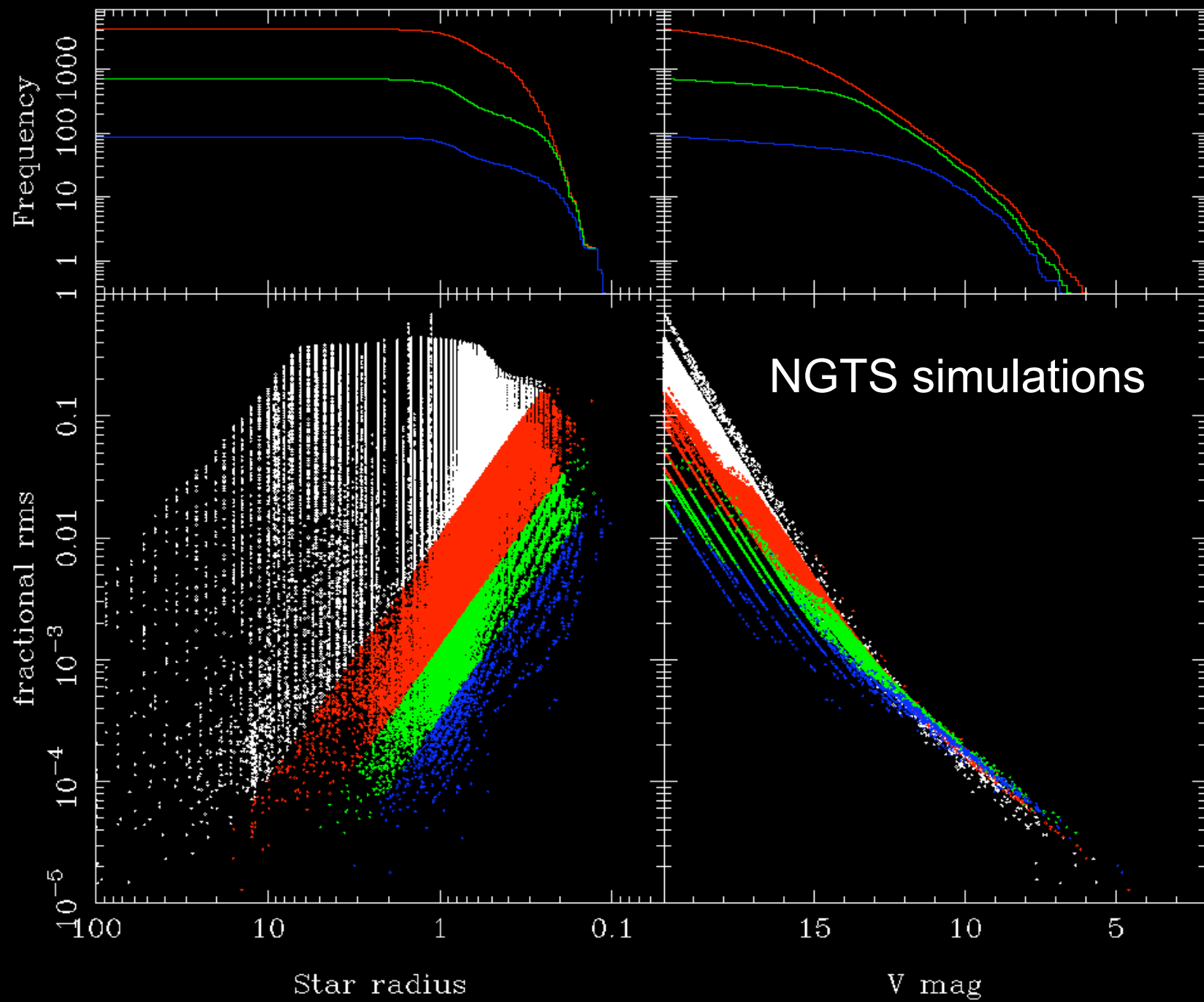




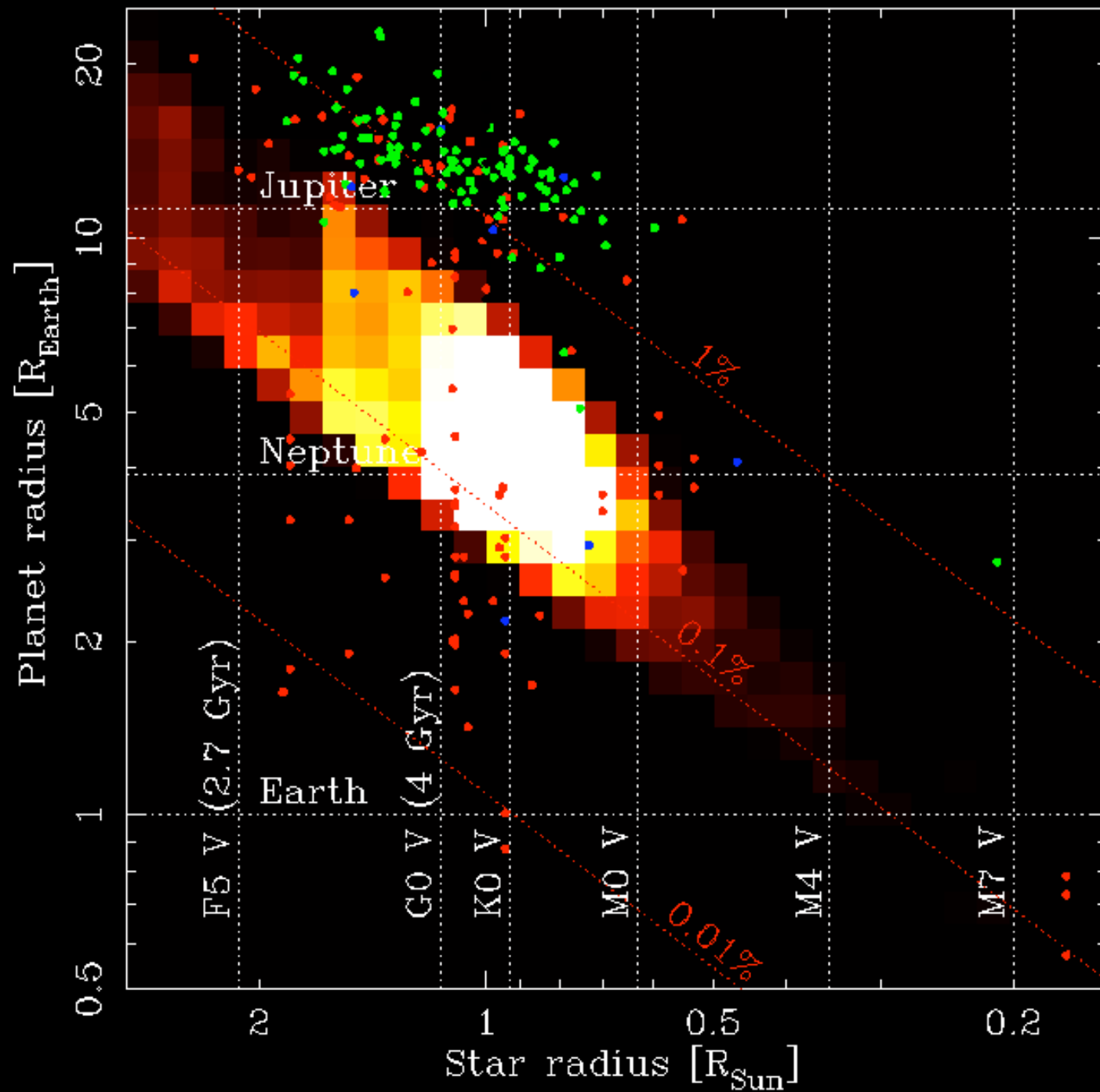
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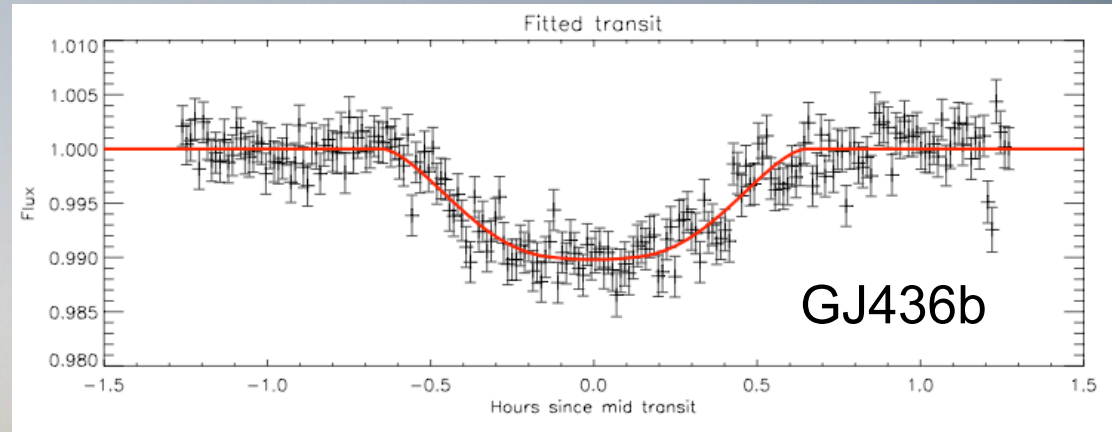




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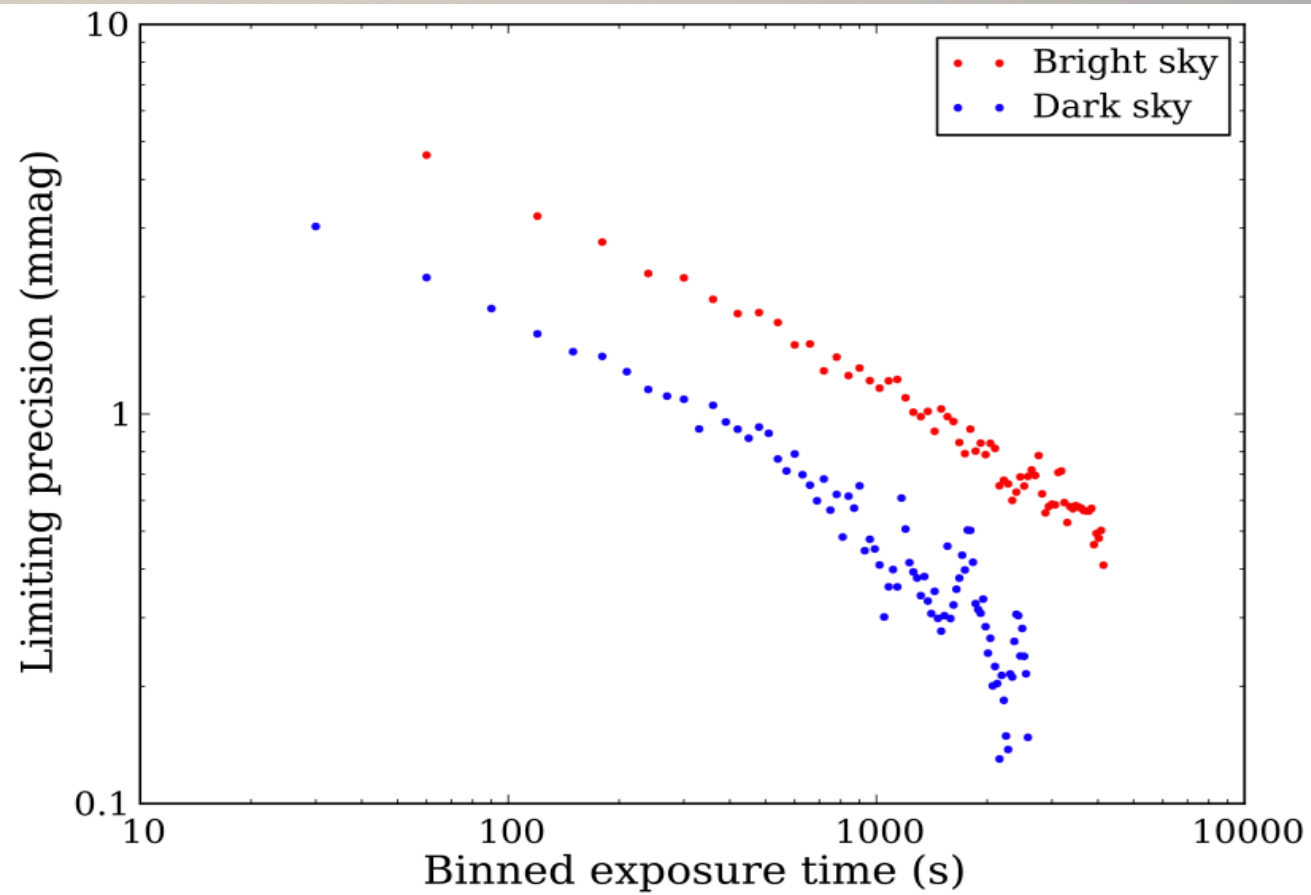
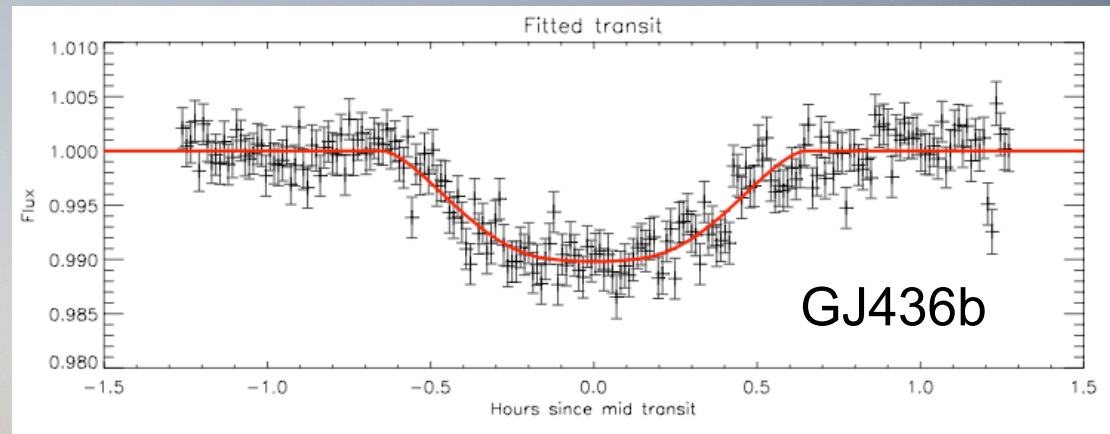


# NGTS Prototype





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[www.ngtransits.org](http://www.ngtransits.org)

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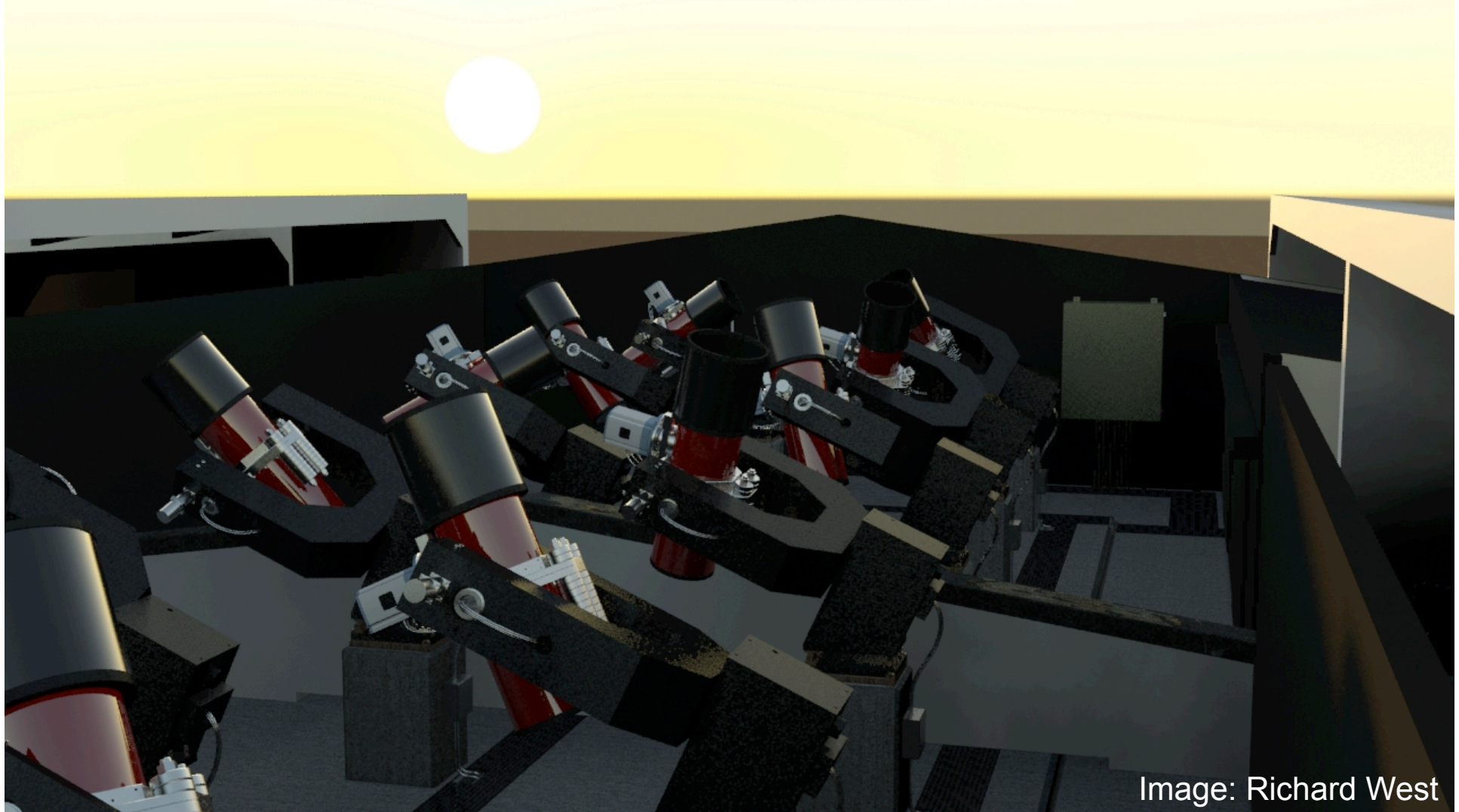


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