

The Near-UV transmission spectrum of LTT 9779b

Jessica Spake

A. Oklopčić, D. Linssen, H. Knutson

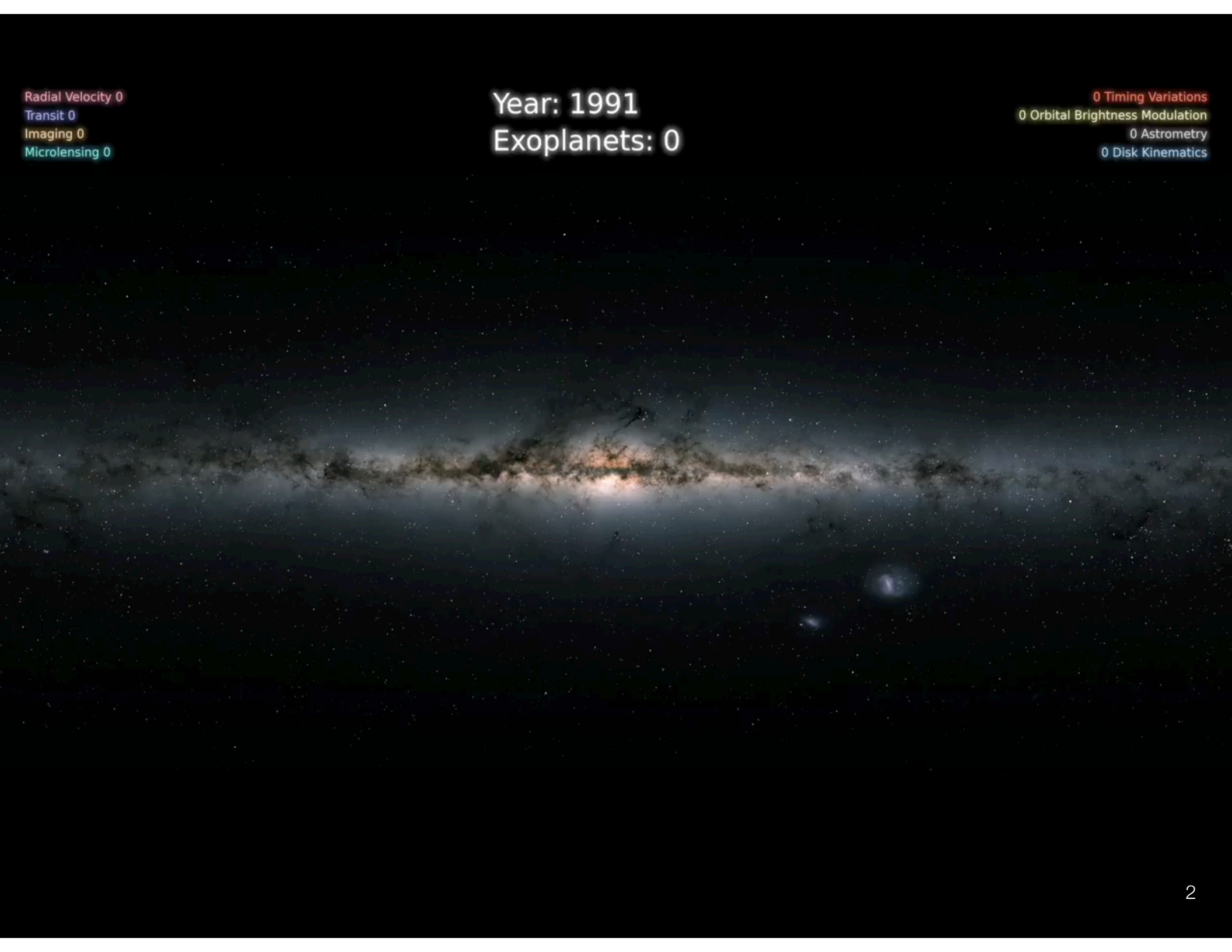


NASA Hubble
Fellowship Program

Radial Velocity 0
Transit 0
Imaging 0
Microlensing 0

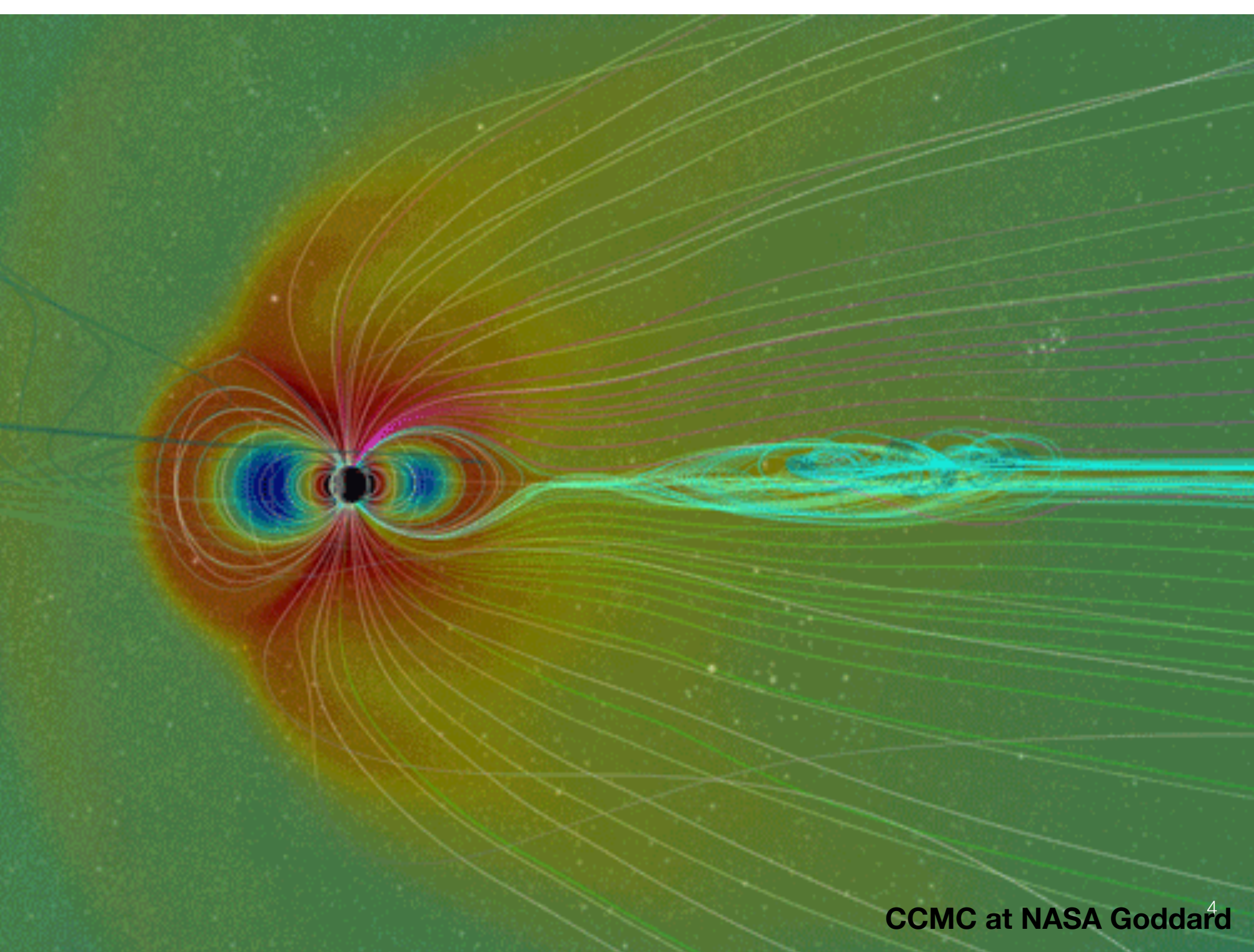
Year: 1991
Exoplanets: 0

0 Timing Variations
0 Orbital Brightness Modulation
0 Astrometry
0 Disk Kinematics

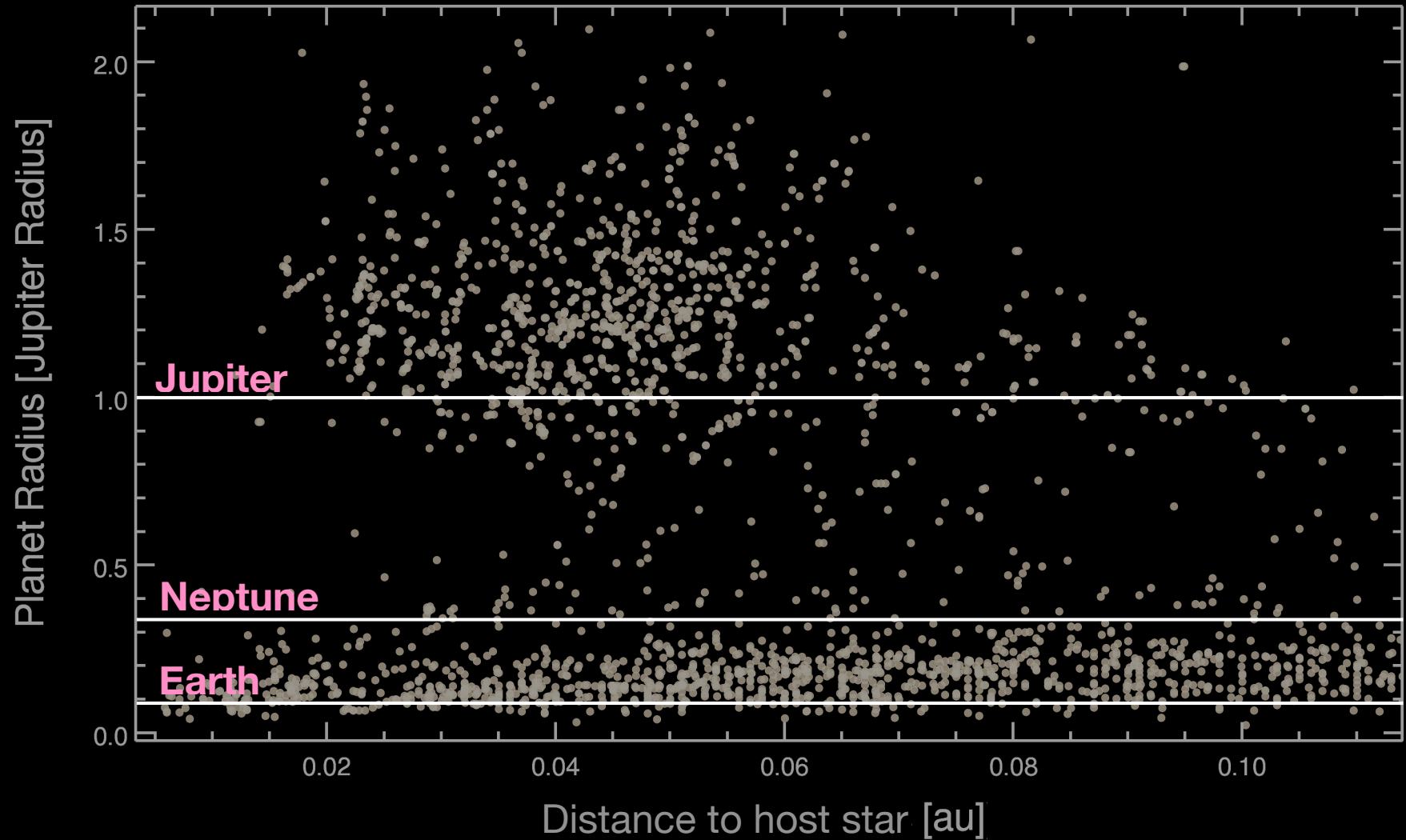


L1527





NASA Exoplanet Archive



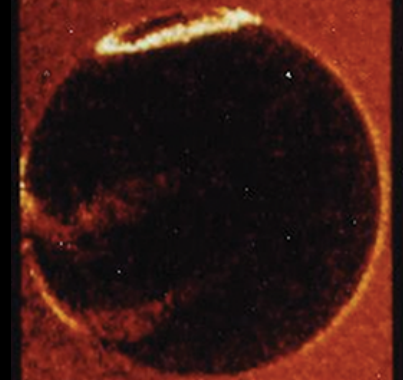
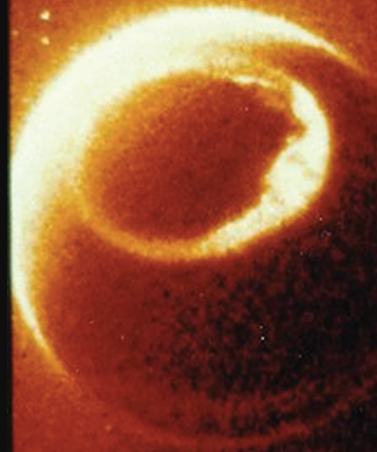
Thu Nov 17 13:08:01 2022

See Owen & Wu (2013), Lopez & Fortney (2013),
Mazeh et al. (2016), Fulton et al. (2017)

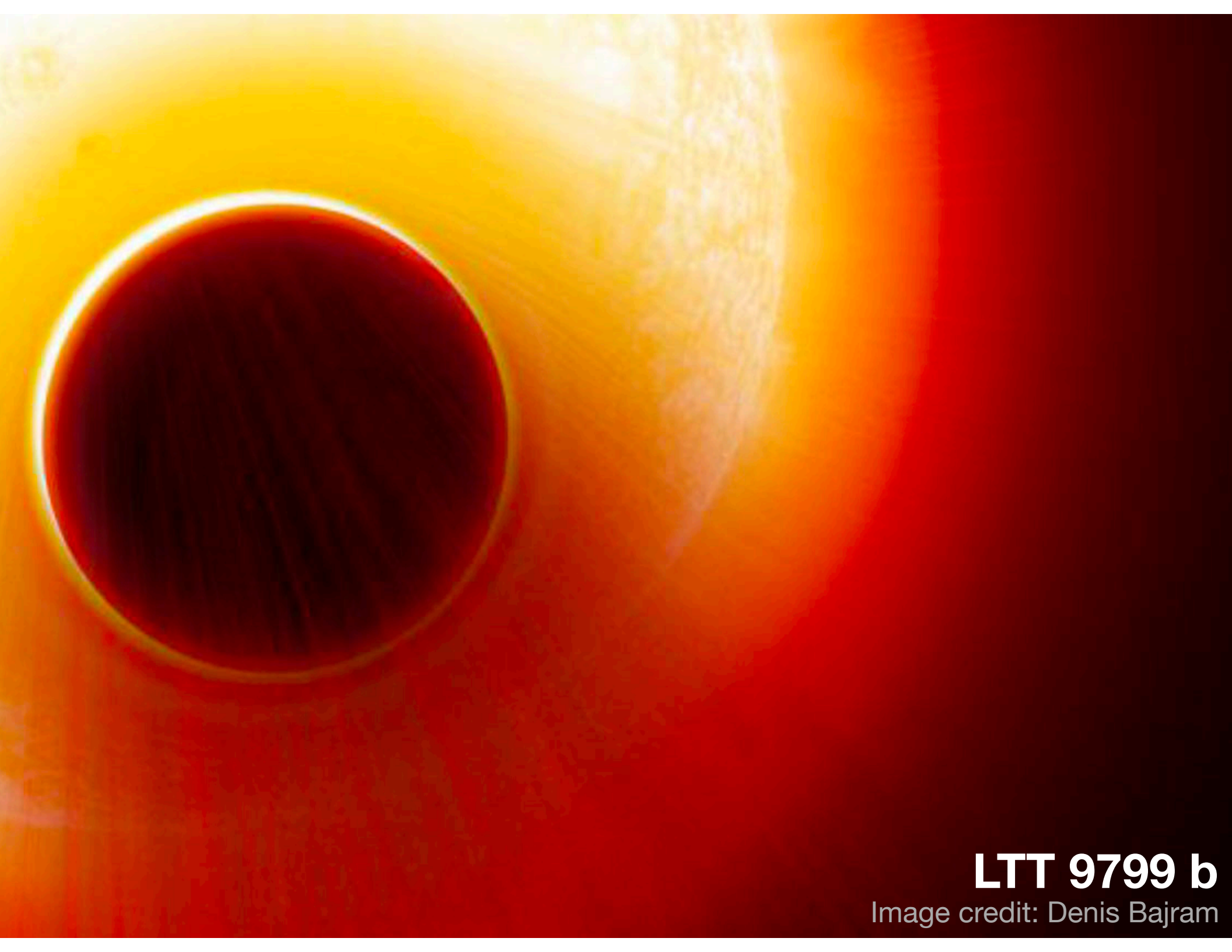


Brightness

Time

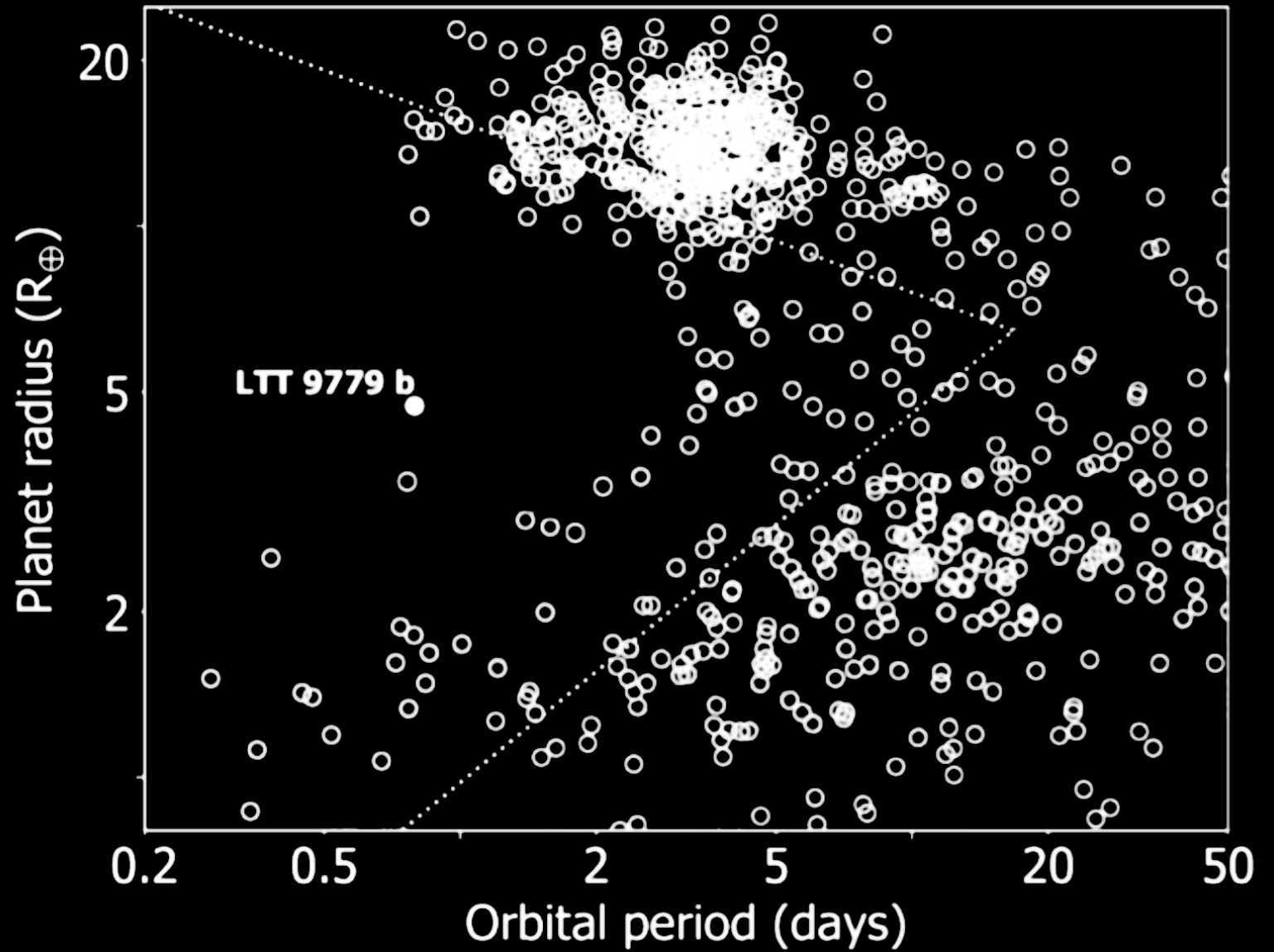


From NASA's Solar Dynamics Explorer



LTT 9799 b

Image credit: Denis Bajram



See also Dragomir et al. (2020); Crossfield et al. (2020); Hoyer et al. (2023);
Edwards et al. (2023)



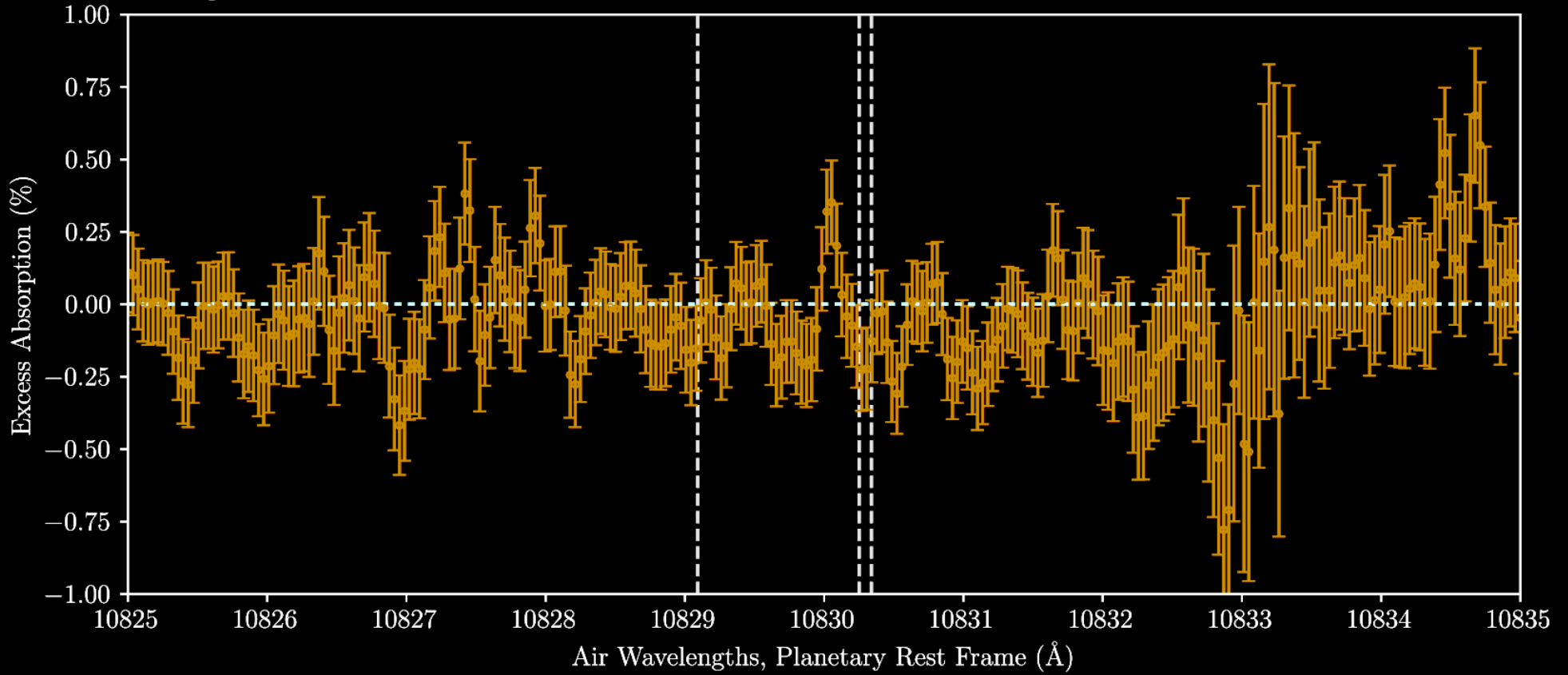
Observatories

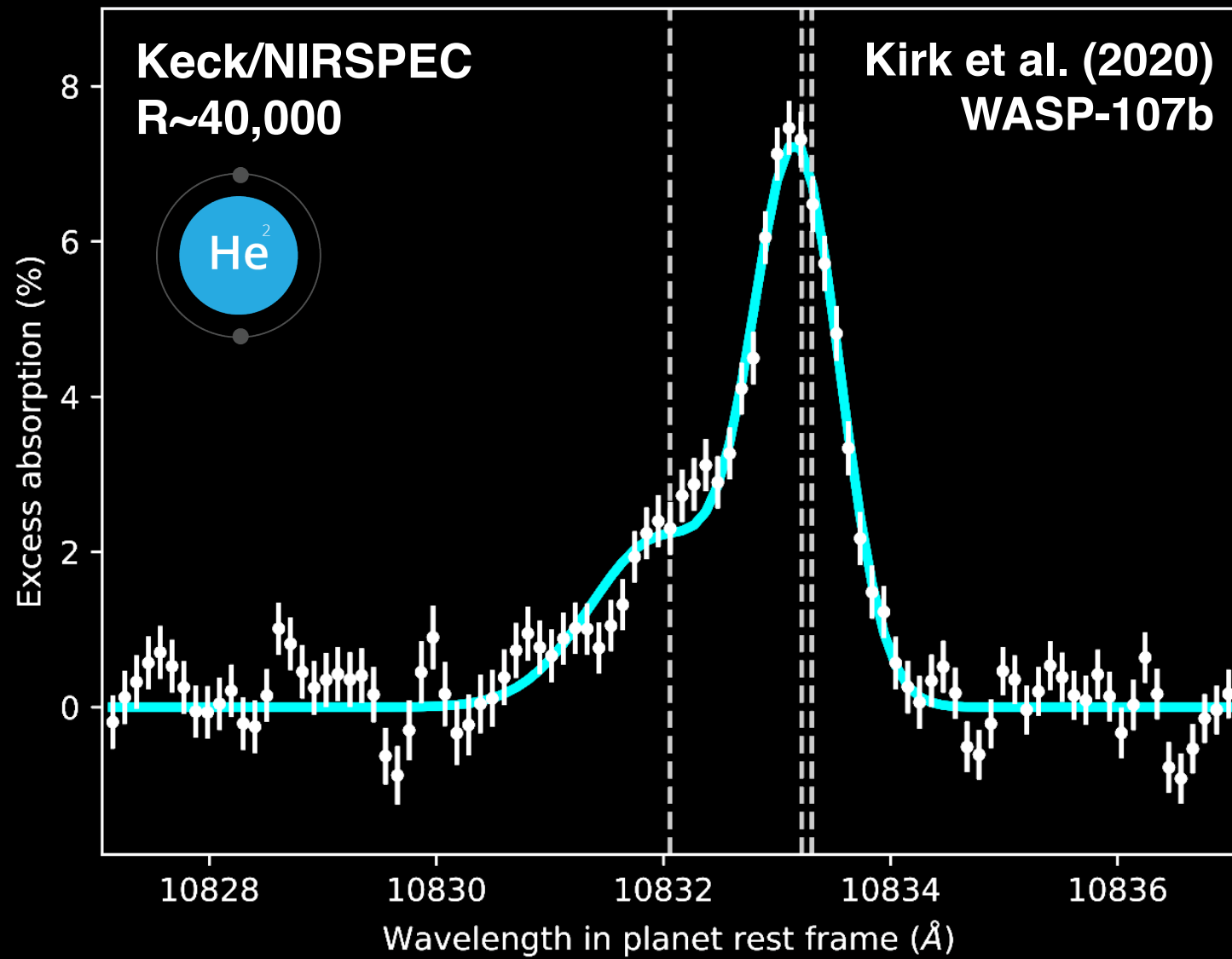
Magellan



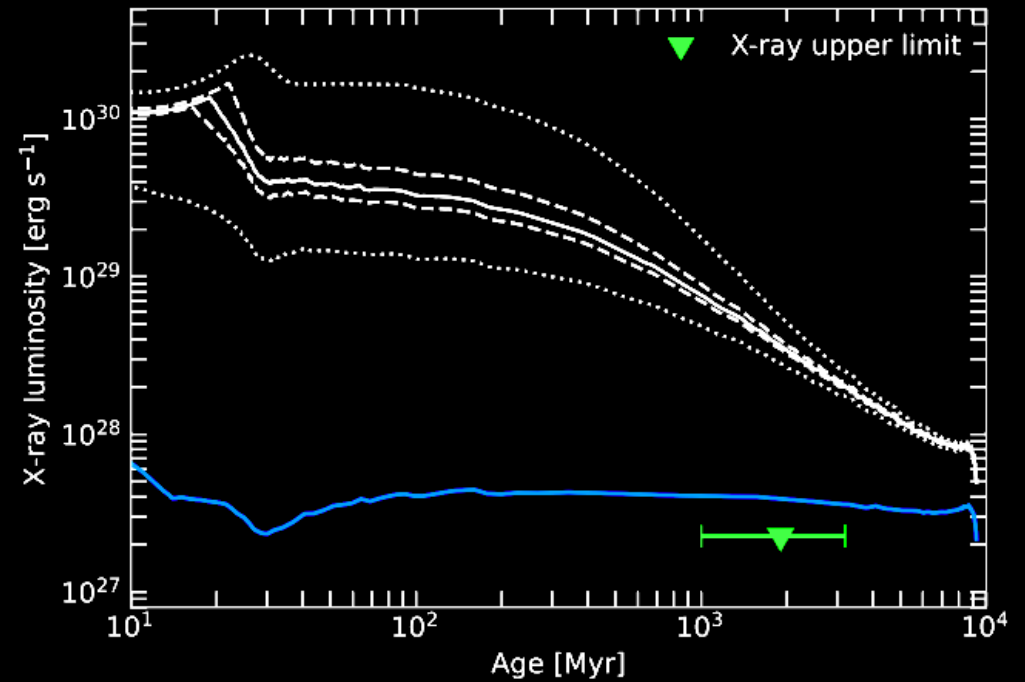
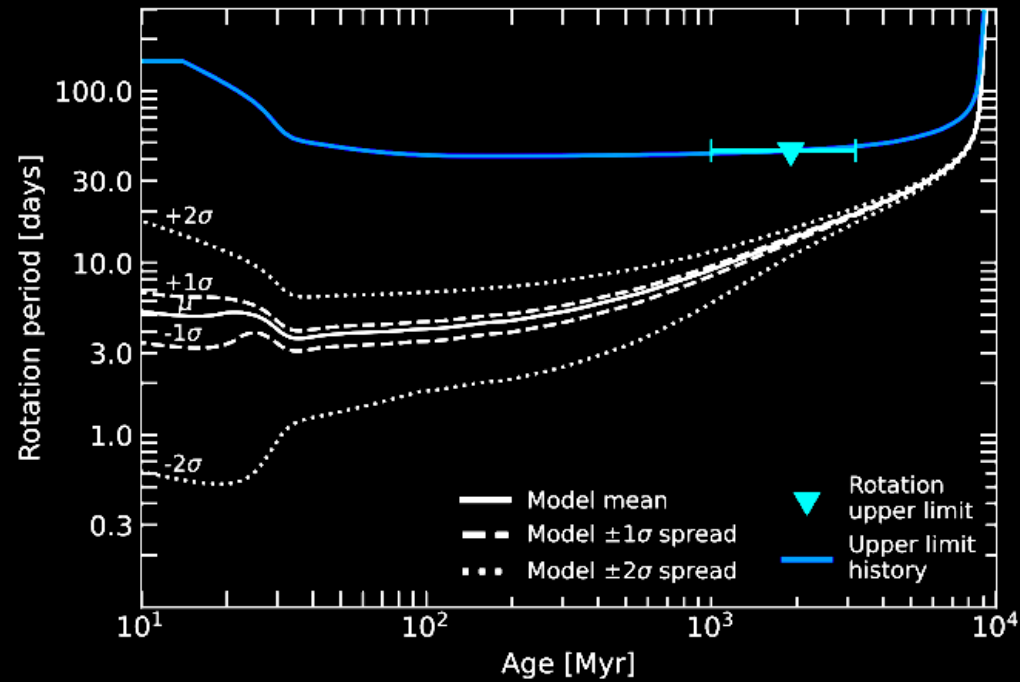
Magellan/WINERED

Vissapragada et al. (2024)



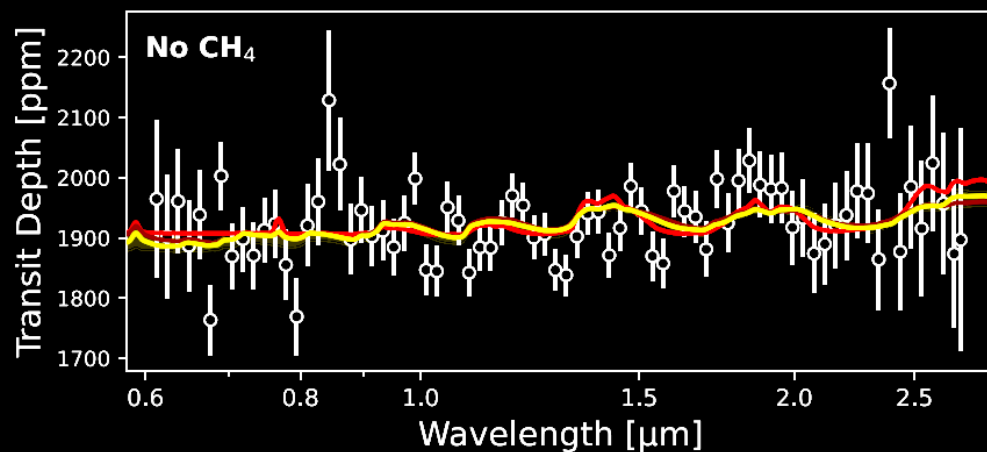


Fernandez Fernandez et al. (2024)

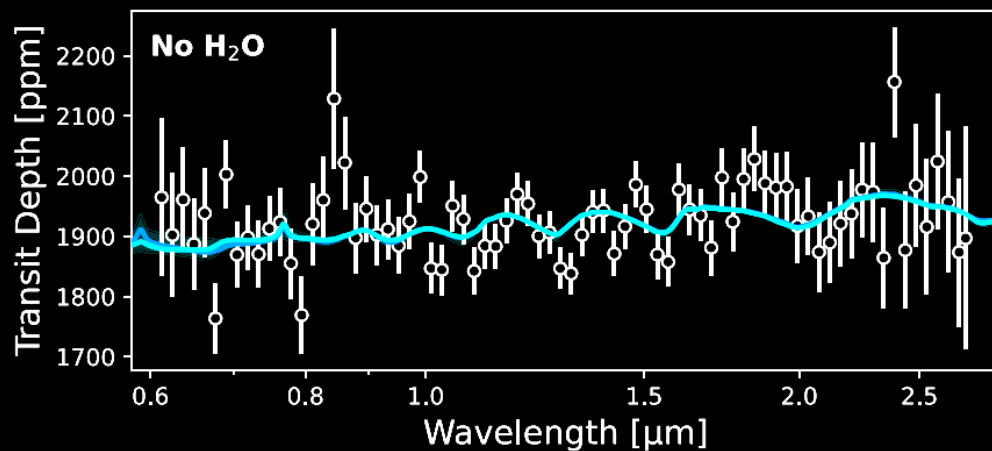
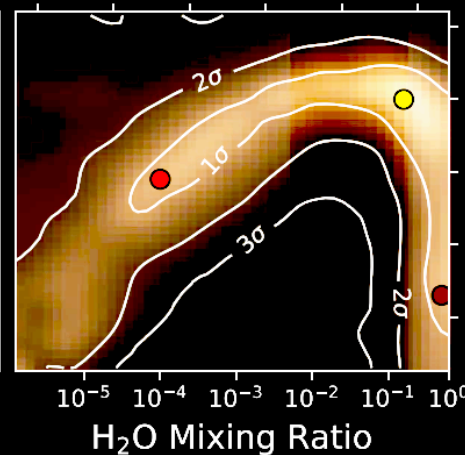




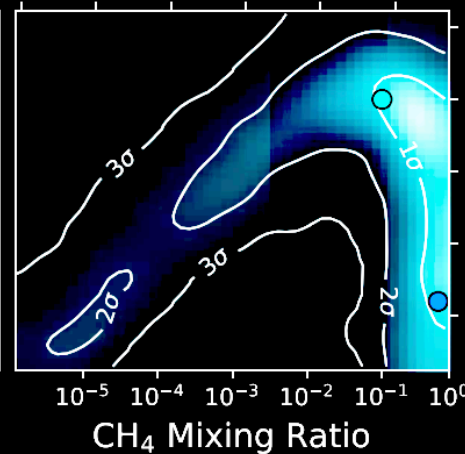
Radica et al. (2024)



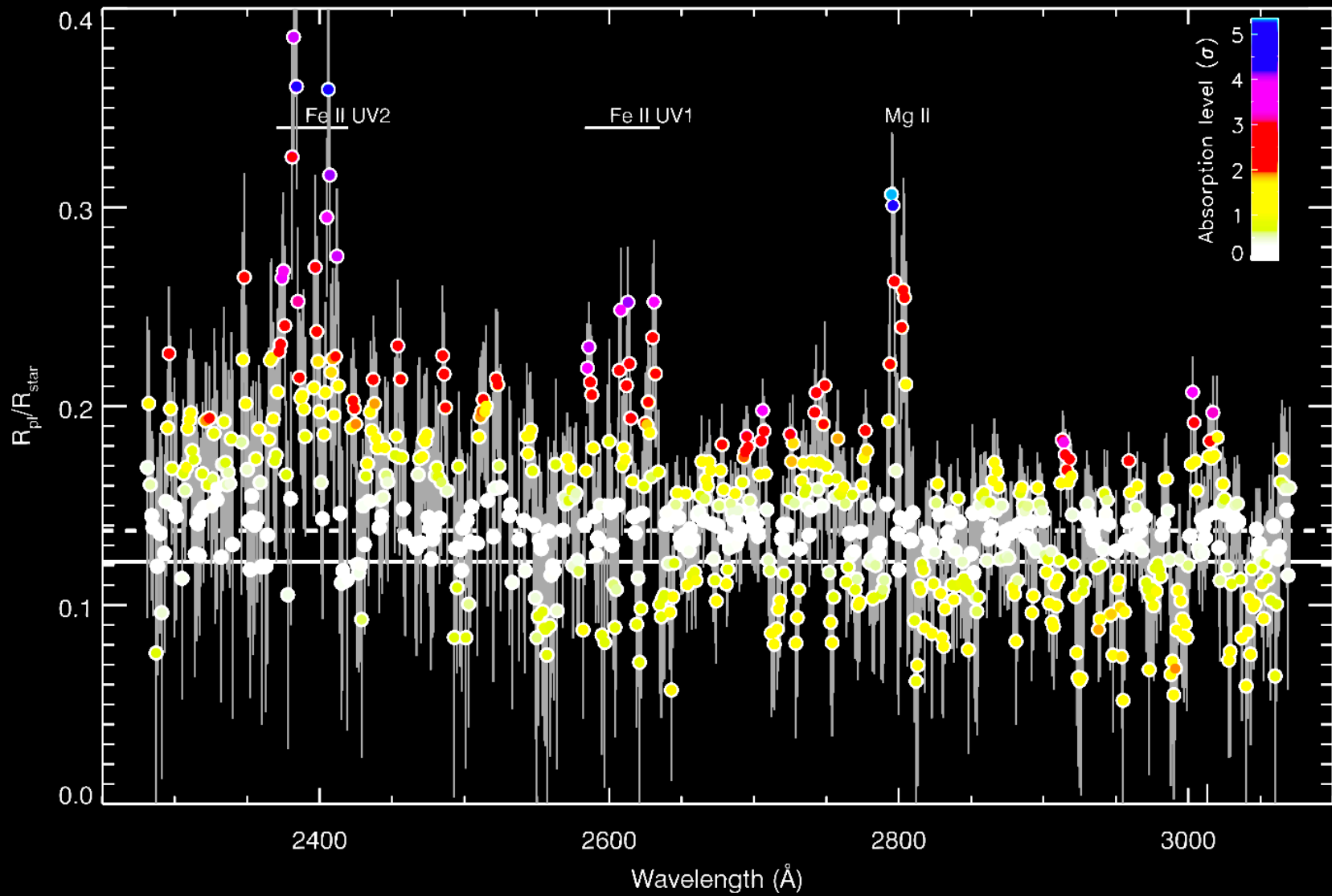
Metallicity Relative to Solar
0.01 0.1 1 10 100 1000



Metallicity Relative to Solar
0.01 0.1 1 10 100 1000









LTT 9799 b
Models from Dion Linssen (Amsterdam)

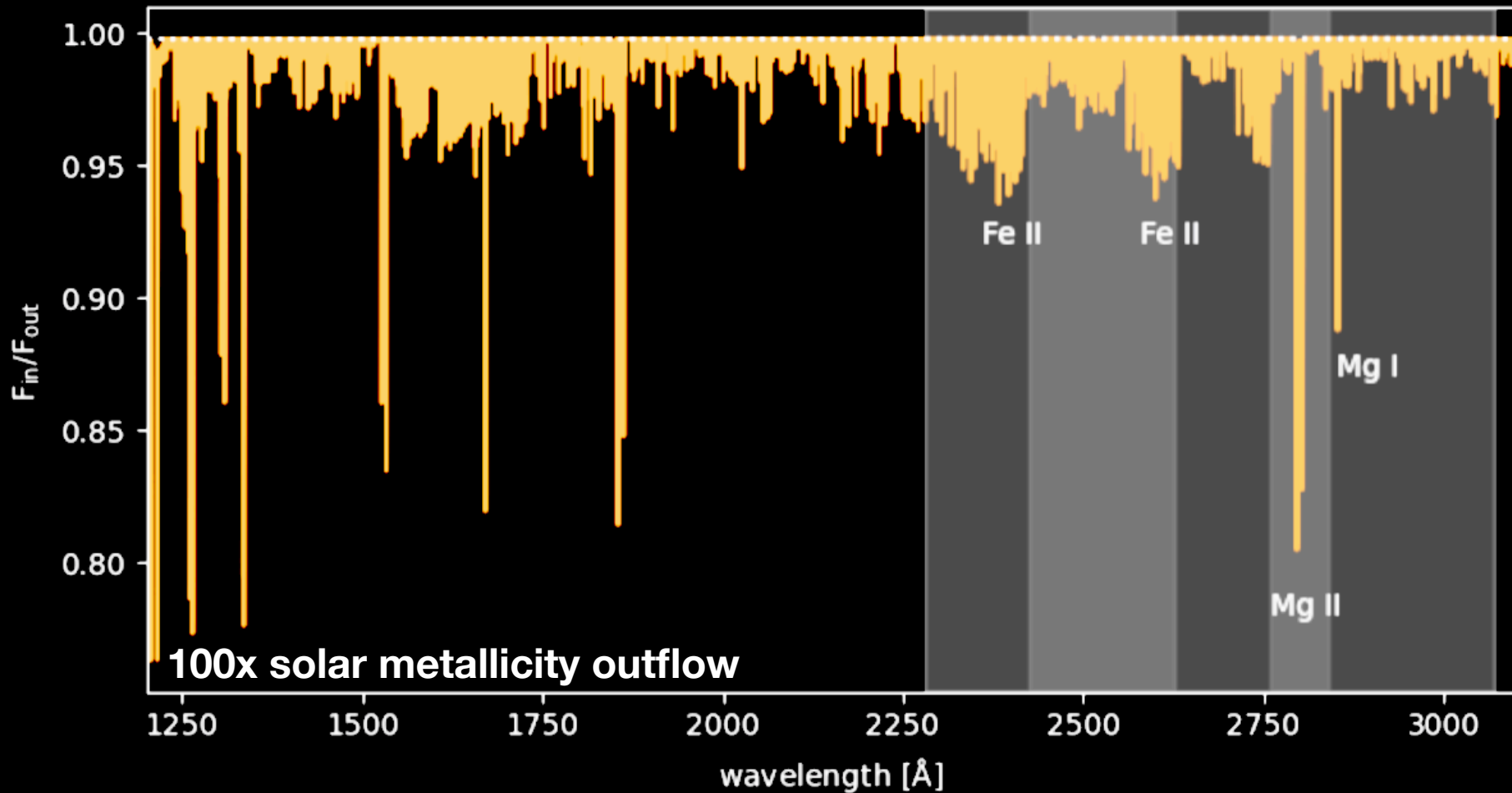
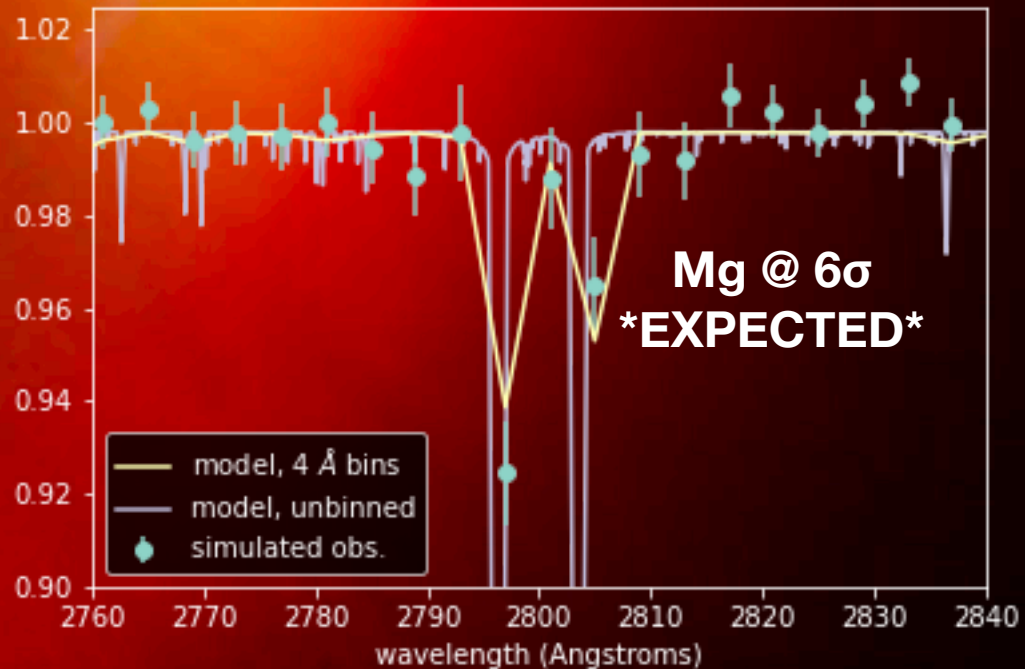
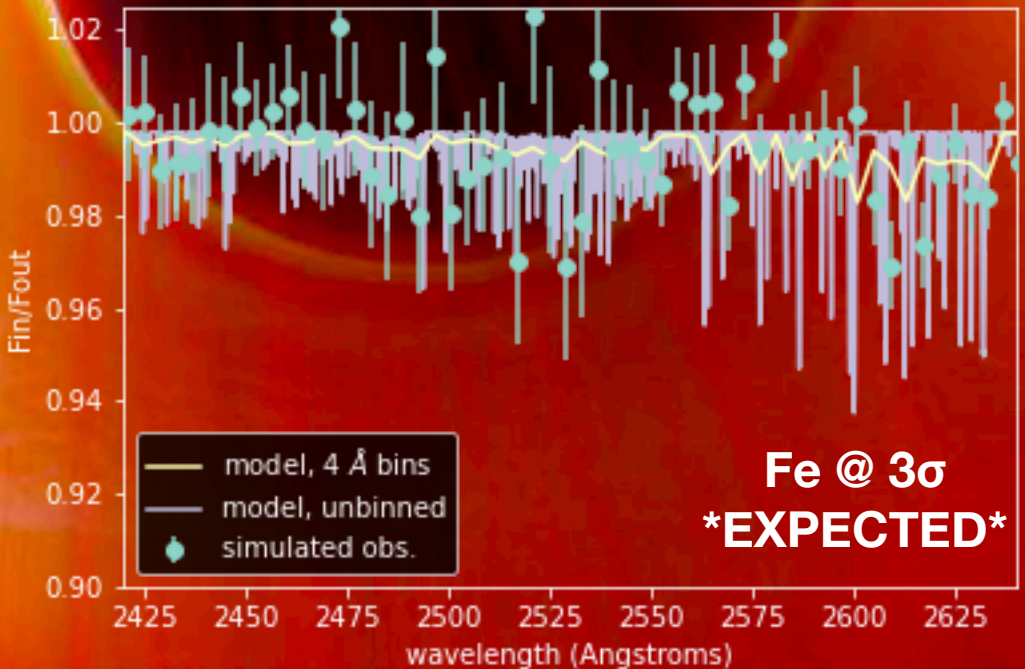


Image credit: Denis Bajram

GO-17460: 15 HST orbits
P.I. Oklopčič Co-PI Spake



LTT 9799 b
SIMULATED DATA!





THANK YOU
NHFP!