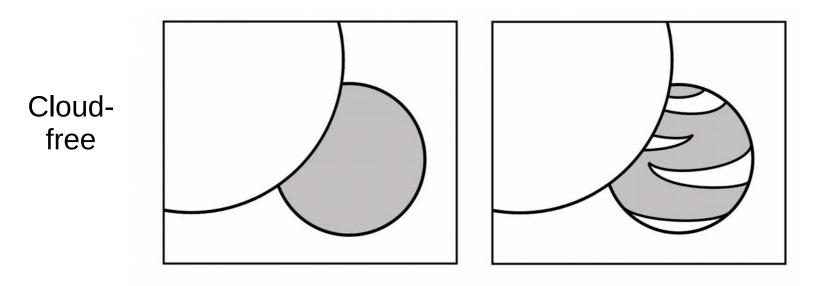
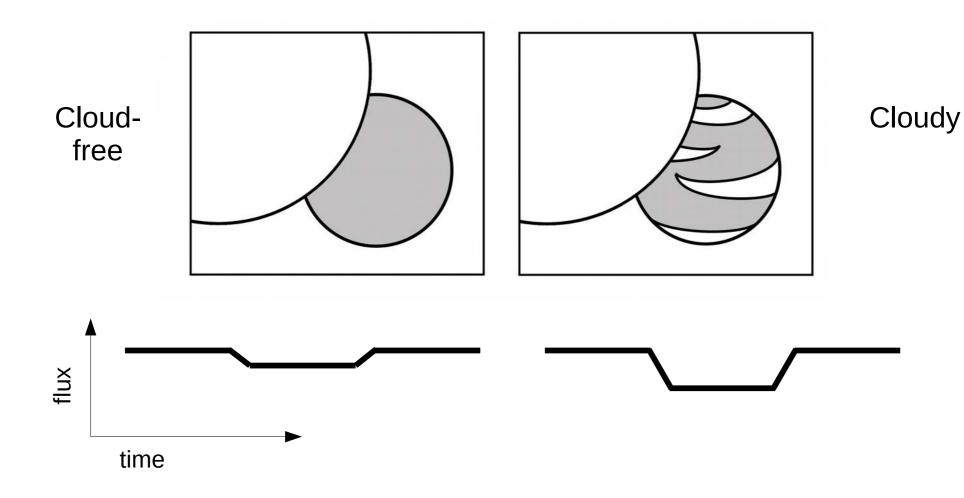
Optical albedos of hot Jupiter day sides

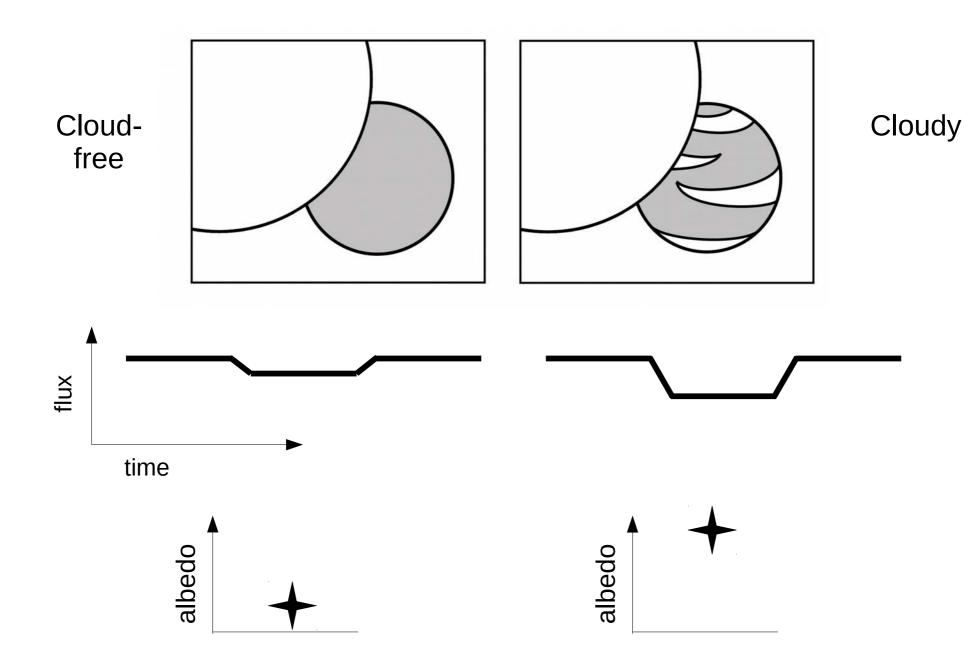
Matthias Mallonn, Carolina von Essen, Enrique Herrero, Daniel Kitzmann, Katja Poppenhaeger et al.

Leibniz Institute for Astrophysics Potsdam (AIP)

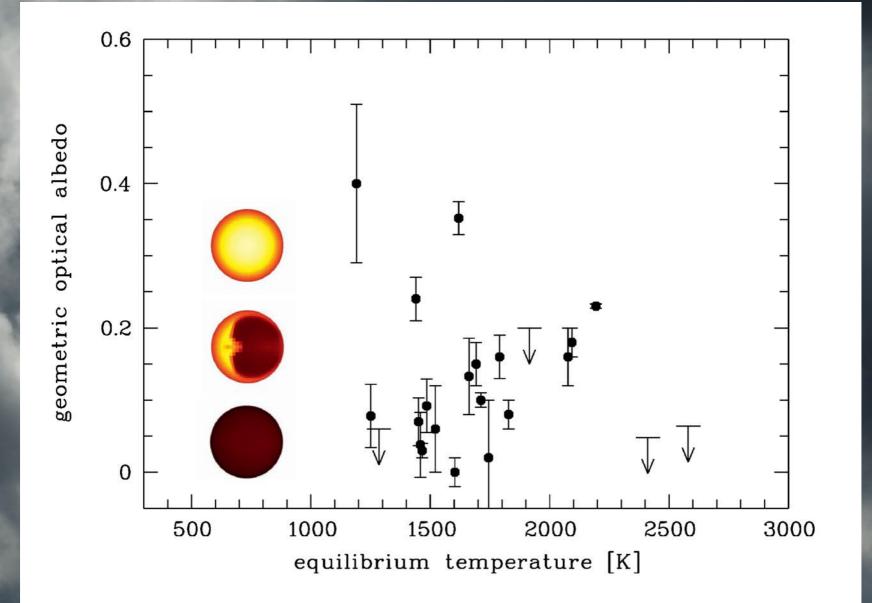






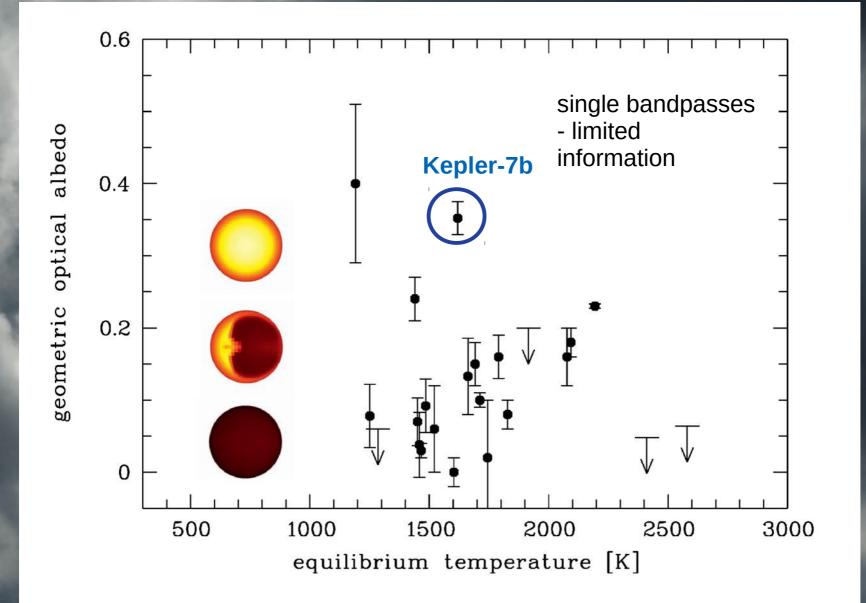


Diverse albedo distribution from Kepler



Jan 15, 2020

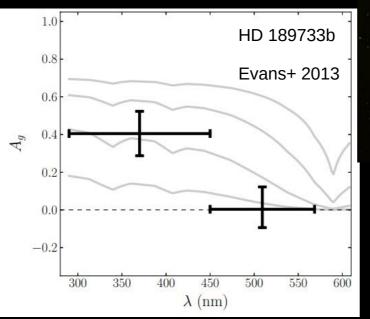
Diverse albedo distribution from Kepler



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HST view of optical albedos





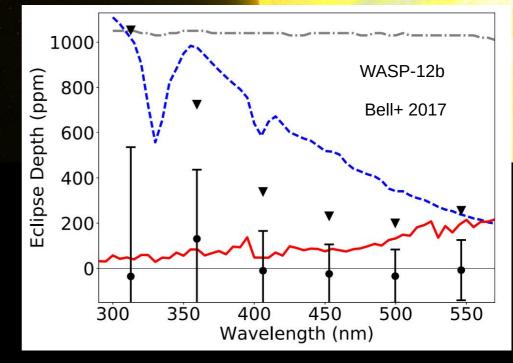
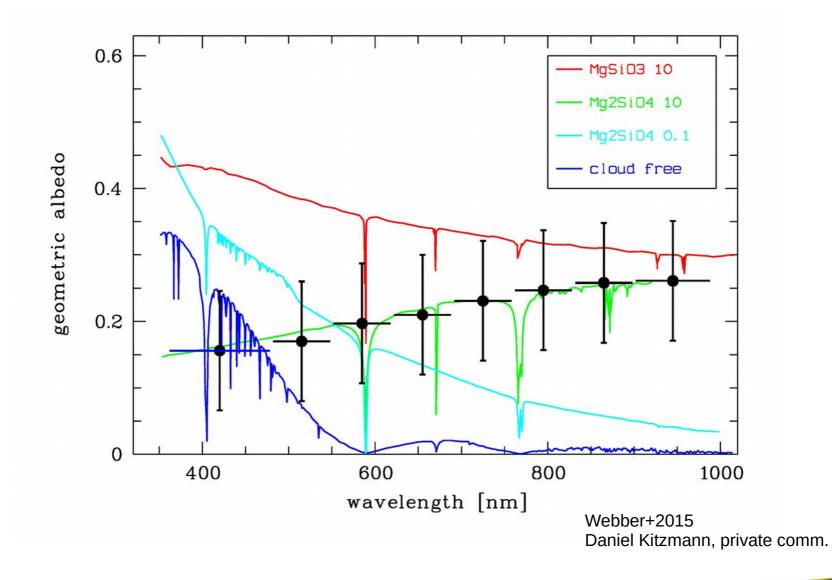
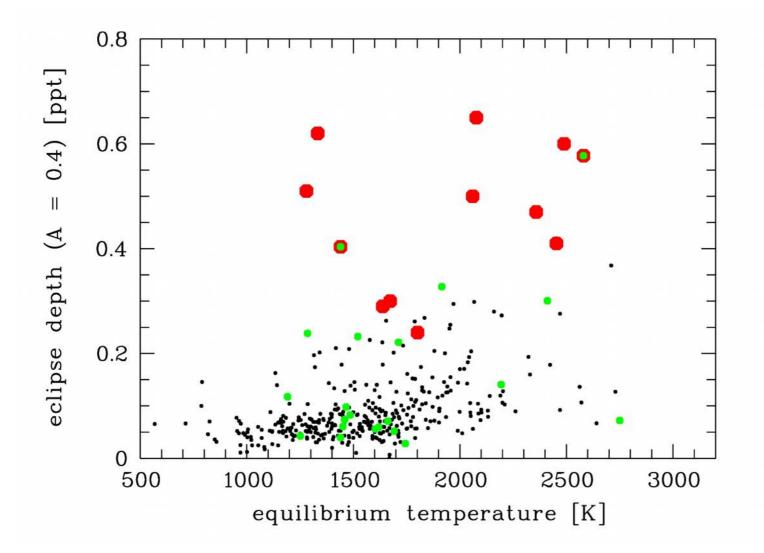
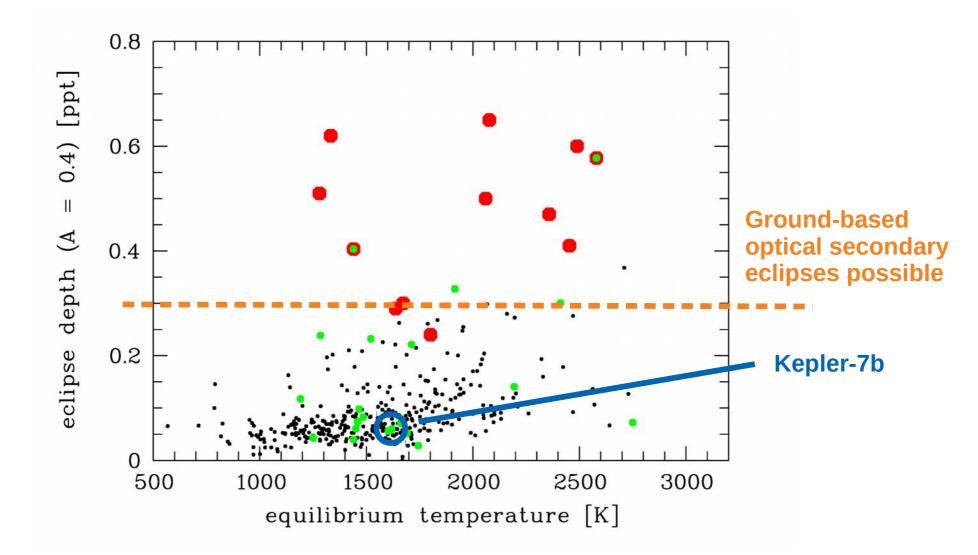


Illustration of various reflection models

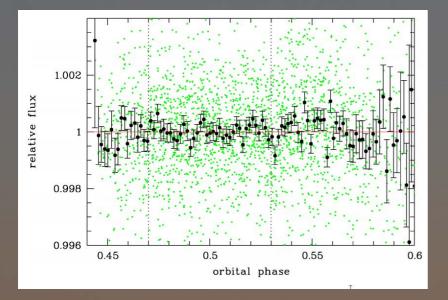


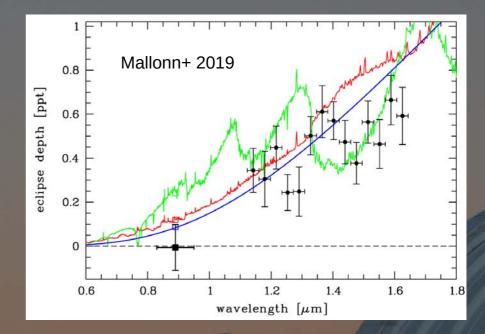
Which are the most favorable targets for alebedo measurements?





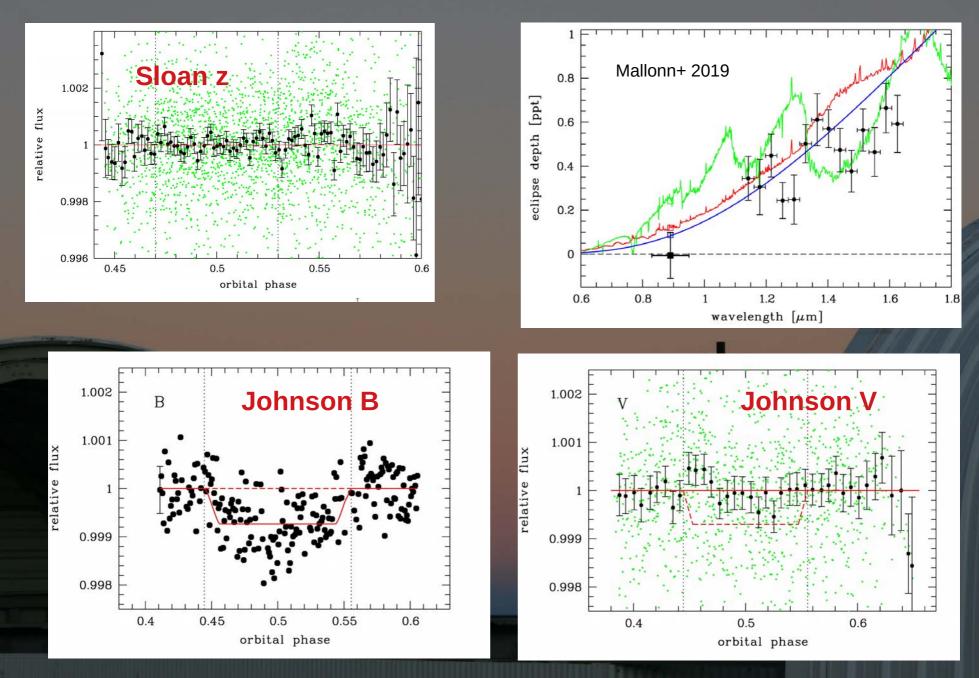
Albedo measurements with ground-based telescopes





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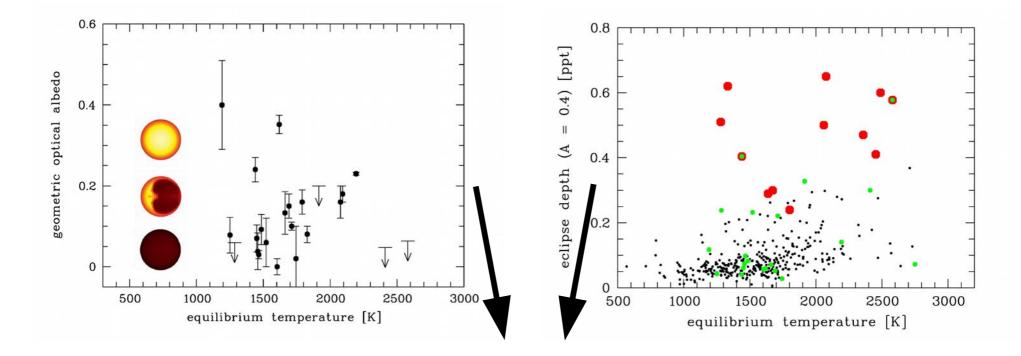
Albedo measurements with ground-based telescopes



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ARIEL will probe their reflection properties at one band pass



Ariel eclipse measurements in the optical band will find **suitable targets** which show **significant reflection**

Best targets for ground-based albedo **spectroscopy**

These albedo spectra will allow for a retrieval of cloud parameters