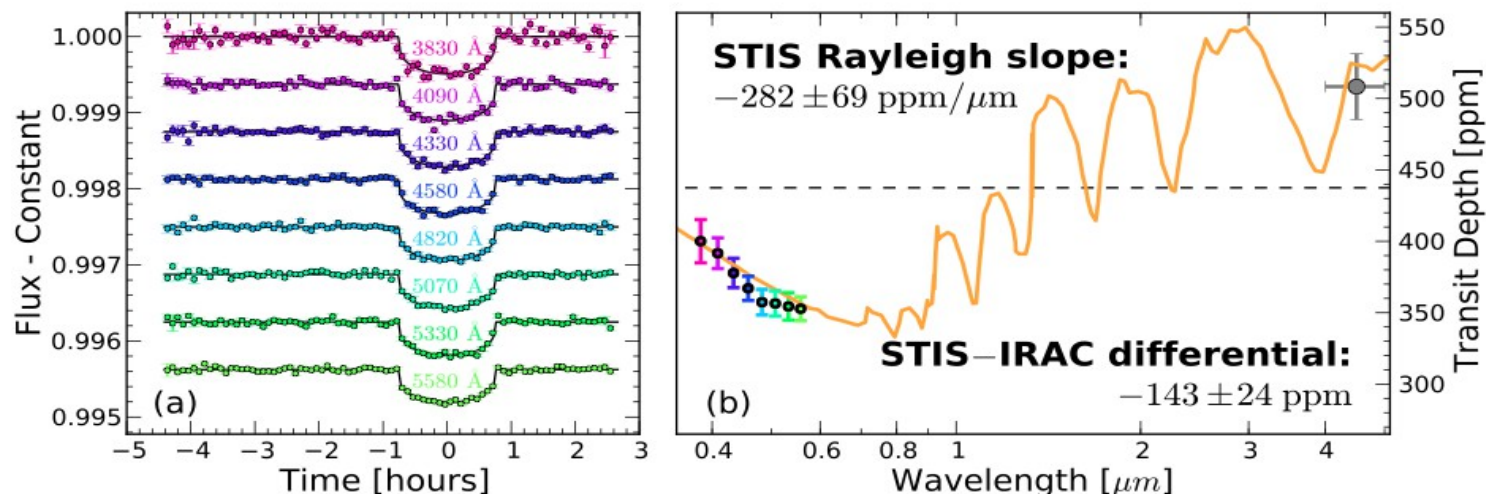
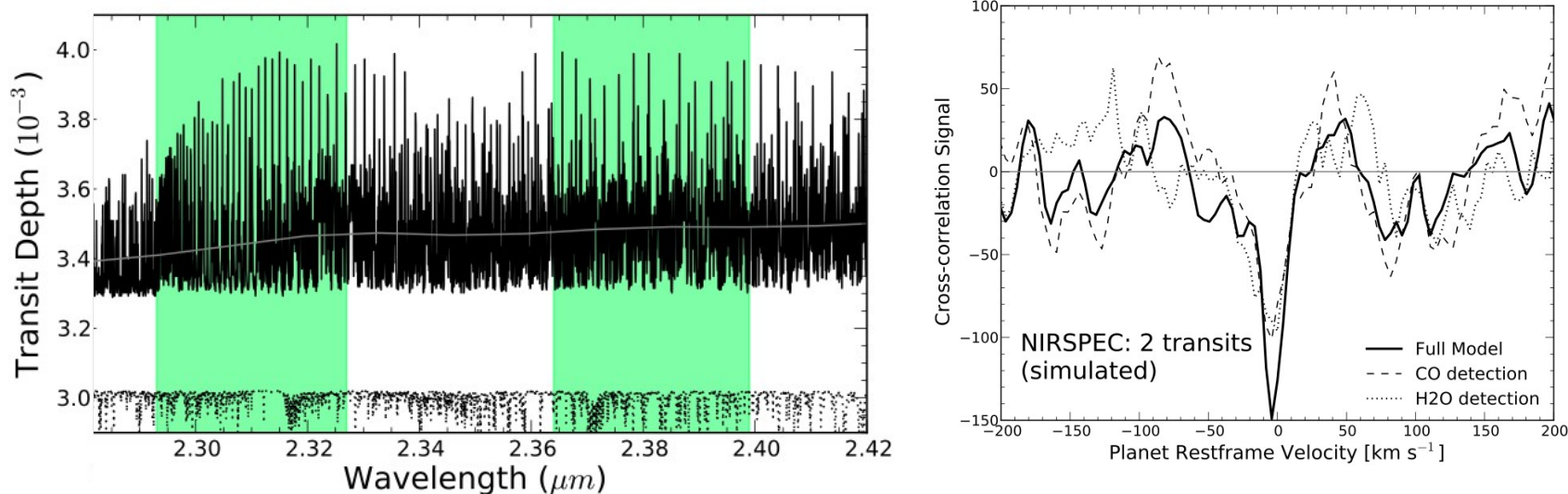


# How common are cloudy atmospheres for small/cool planets?

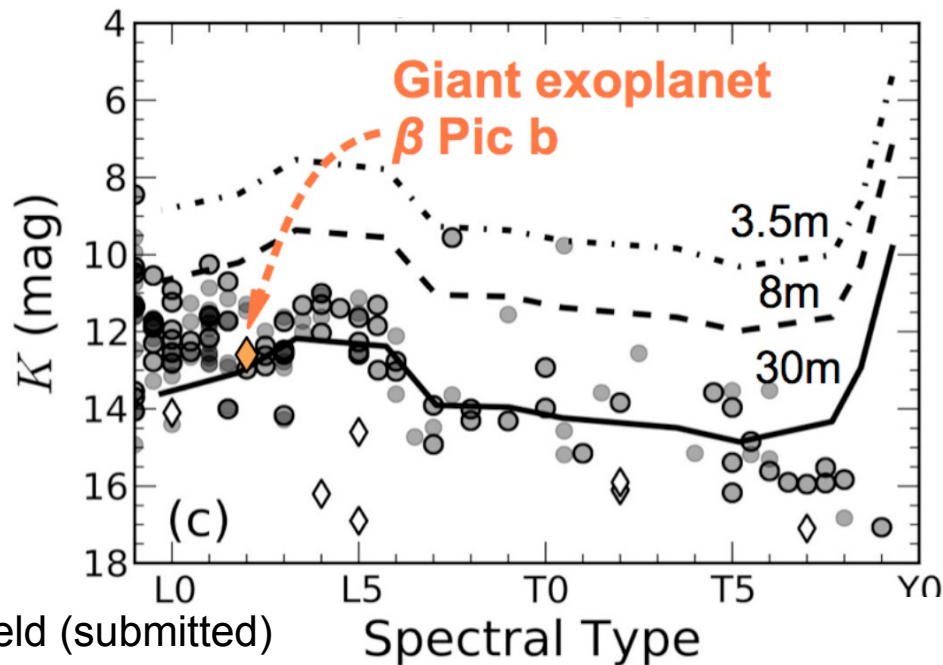
Via ultra-precise space-based spectroscopy:



Via high-resolution ground-based spectroscopy:

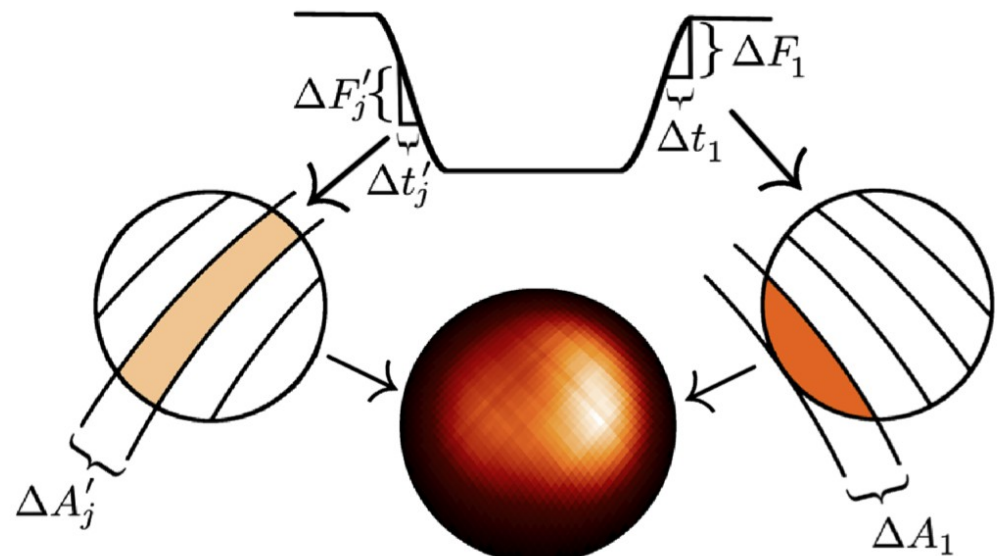


# Can we make 2D global maps of extrasolar planets?



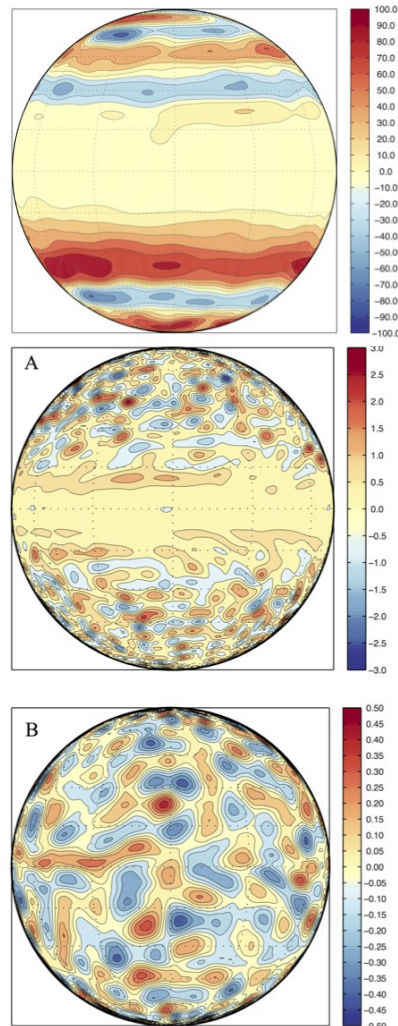
... using Doppler Imaging with giant ground-based telescopes?

... using eclipse scanning with infrared space telescopes?



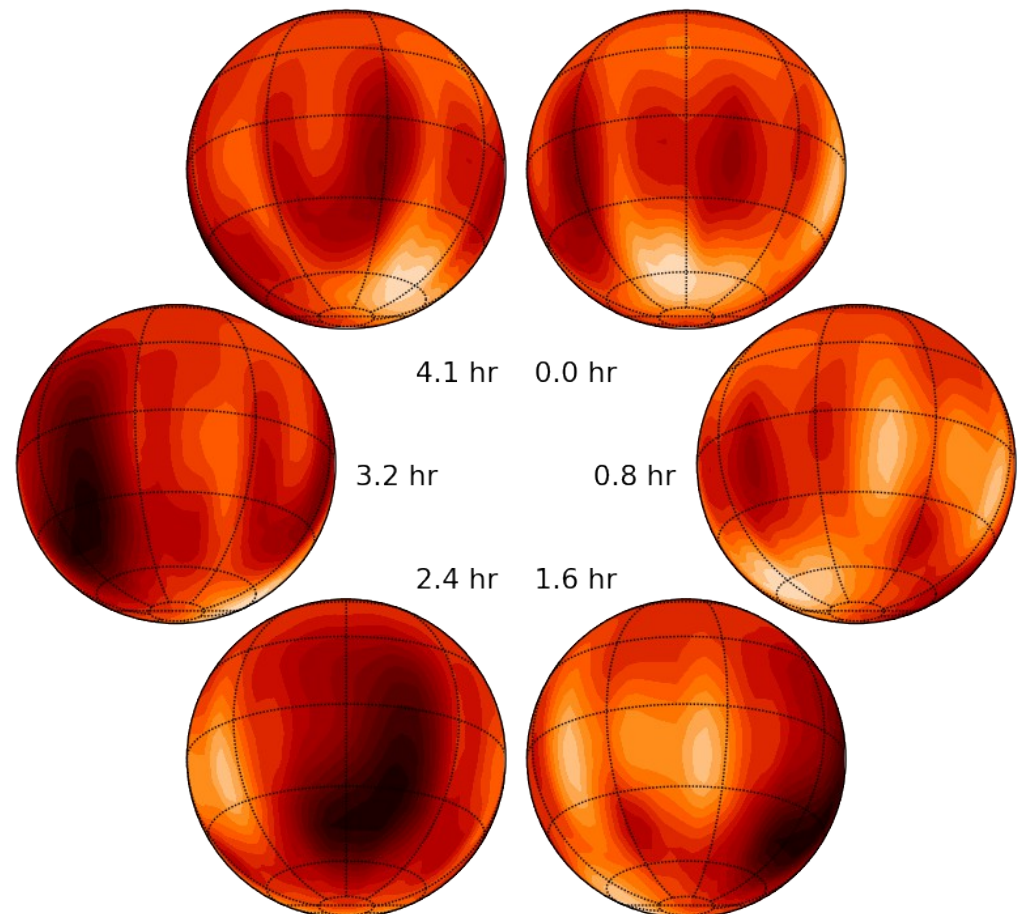
# Do brown dwarfs show banded cloud structure like Jupiter?

**Theory:**



Zhang & Showman (2014)

**First Observations:**



Crossfield et al. (2014)