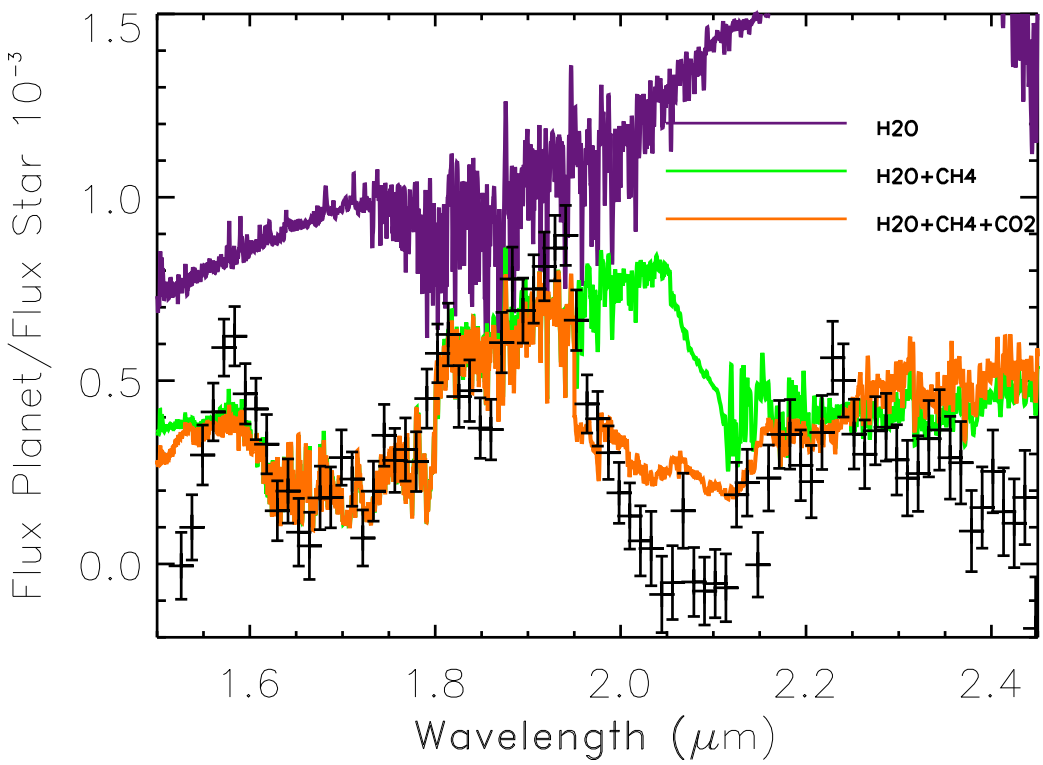
Spectrum of HD 209458b: A Planet 47 pc Away



HD 209458b (Osiris) orbits a G0V star similar to the Sun

Mass: 0.69 Jupiter masses
Period: 3.52 days

HST/NICMOS mid-infrared spectrum

Spectrum shows water vapour, methane, and CO_2