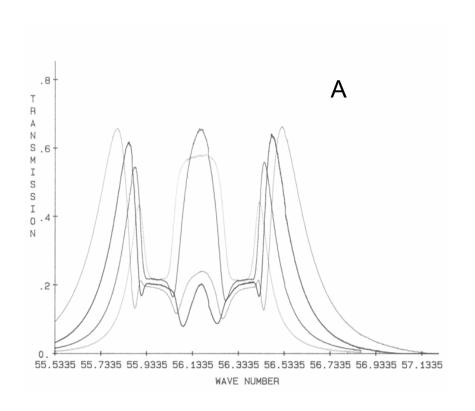
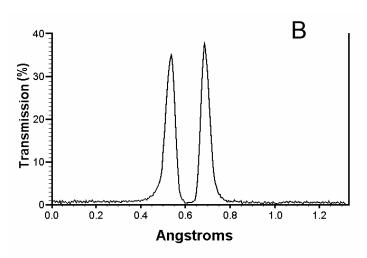
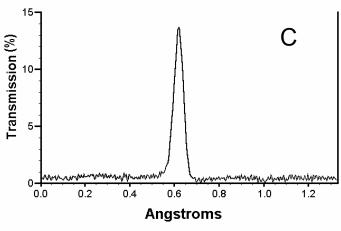
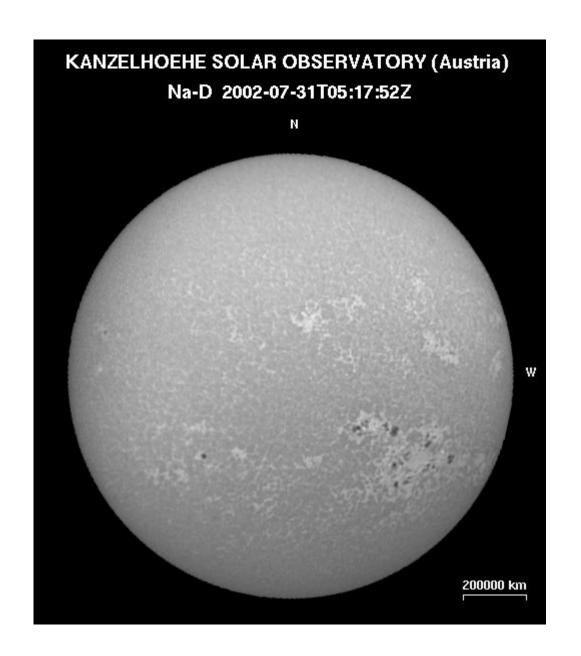


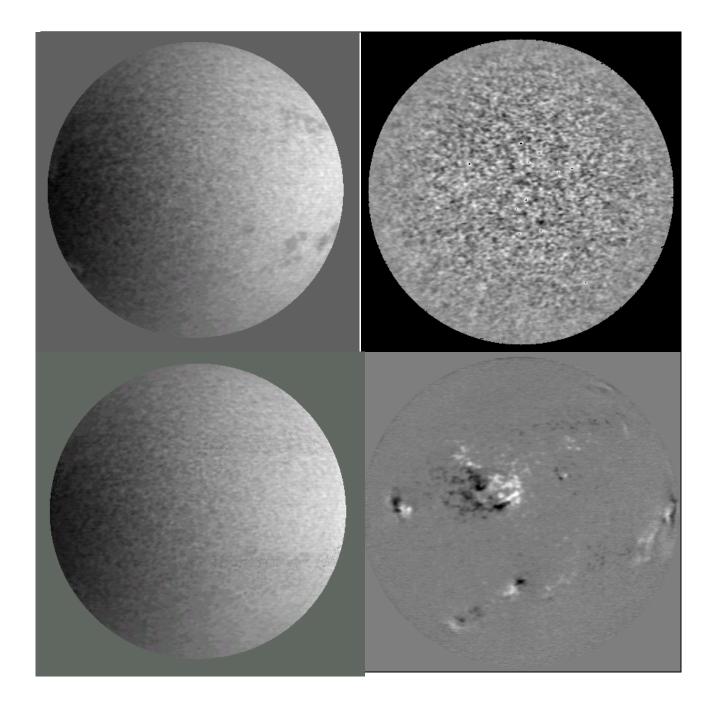
Tipical MOF trasmission profiles

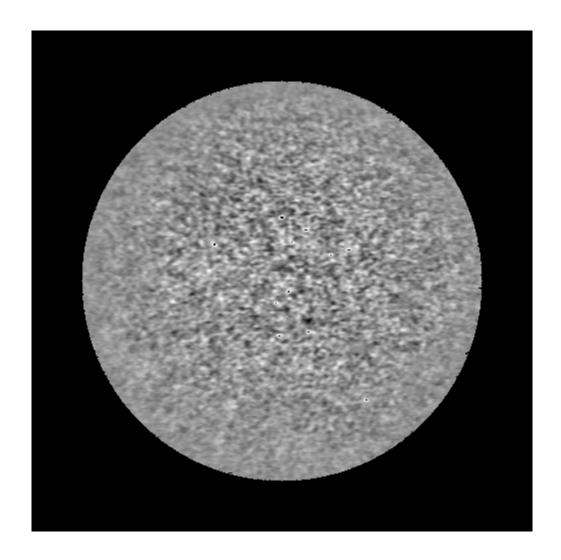












Telescope MOF Image sensor

Total lenght = 50cm

Telescope aperture: 5 or 10 cm

Total weight: TBD

Expected photon flux

Average sodium abundance 3*10^13 atoms m^-2

Cross section of resonance scattering 7*10^-17 m^2 ster^-1

Therefore

Photon flux = $a*b = 2.1 *10^{-3}$ events / solar photon

The detailed computation of the number of photons / sensor- pixel will begiven in our final proposal. The result is that we have enough photons to be seen by a sensor provided by JPL in collaboration with our Advisor.

Solar photons inside the MOF pass-band = 7.4 * 10^15 photons / s