



**Fig. S1.** Each imaged spectrum was subtracted by its average in the spectral domain in order to reduce the effects of vignetting and surface changes. Spectra on the 2 plots were collected from the red line in the image. Darker colour in the spectrum indicates that it is located closer to the border of the image. Normalized reflectance spectra (in which the average is subtracted) shows that the vignetting effect has disappeared from the image.

