Photomicrographs of the Coated Samples

(top) Photomicrographs of thin (left; 19 µm ± 8 µm) and thick (right; 106 µm ± 34 µm) coatings of JSC-1 soil deposited on SP basalt samples, with the focus at the basalt substrate. (bottom) Areal distribution maps of coated samples (basalt substrate = white; JSC-1 particles = black) computed using a variance operator on each image (thin coating = 28±7% coverage; thick coating = 94±1%). Field of view is ~ 630 µm.