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re. Minor revisions to Cook et al. Glacier algae accelerate melting of the western Greenland Ice Sheet

Dear Editor,

The new figure has been added to the manuscript as Figure 3 and cited it in line 386:

“Comparisons between the directional reflectance spectra gathered using the ASD field spectrometer and those measured using the UAV and Sentinel-2 are provided in Fig 3.”

Regarding the reduction of the ASD spectral data we used the reflectance at the centre wavelength of the aerial sensor and therefore did not take into account the spectral response function of the camera. We have made this utterly, explicitly clear in the manuscript at line 365 as follows:

“Our HCRF measurements were first reduced to the reflectance values at five key wavelengths coincident with the centre wavelengths measured by the MicaSense Red-Edge camera mounted to the UAV (blue: 0.475, green: 0.560, red: 0.668, red-edge: 0.717, NIR: 0.840 μ m) yielding reflectance at each wavelength as a feature vector for the classifier (in this case the spectral response function was not accounted for).”

and later *“this process was repeated for Sentinel-2 ...”*

We have gone to great lengths across ten months to satisfy all of the reasonable requests of the reviewers and handling editor. We very much hope that this manuscript will now be accepted for publication.

Regards



Joseph Cook and co-authors