

Atmos. Meas. Tech. Discuss., author comment AC2
<https://doi.org/10.5194/amt-2021-63-AC2>, 2021
© Author(s) 2021. This work is distributed under
the Creative Commons Attribution 4.0 License.



Reply on RC2

Chiara Musacchio et al.

Author comment on "Effect of snow-covered ground albedo on the accuracy of air temperature measurements" by Chiara Musacchio et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2021-63-AC2>, 2021

We thank once again the reviewer for his comment.

This insight is food for thought. There is indeed the possibility that the experiment would be repeated in the future, with different sensors and shield designs. If this would be the case, bare sensors can certainly be included to evaluate the baseline. However, we think this could be tricky: as a matter of fact, if sensors are used without shielding it would be impossible to distinguish between effects given by direct and reflected radiation. A special screen should be designed, such that it shields the sensor from direct radiation but it is completely open on the bottom side to reflected radiation.