

We thank the reviewers for their time and effort to review our manuscript.

We addressed the final concern of reviewer 2 by adding a short description of the representation of vegetation in our model to the second paragraph of section 2.2.1. Our land-surface model takes into account changes in the canopy resistance as a function of incoming shortwave radiation, soil moisture, and vapor pressure deficit. Hence, our vegetation does respond to the changes in radiation that our paper focusses on. Although more advanced vegetation models exist, we argue that our setup is suitable for our purpose, as van Stratum et al. (JAMES, 2023) showed that the modeled surface fluxes agree with the observations.