

Interactive comment on “Temperatures from Energy Balance Models: the effective heat capacity matters” by Gerrit Lohmann

Anonymous Referee #2

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The author attempted to investigate the energy balance in terms of temperature on the surface of the earth. He concluded that effective heat capacity is essential in explaining the observed temperature. Unfortunately, an essential process of heat distribution is not accounted for in the discussion, resulting in a faulty conclusion. It is unfortunate that I cannot recommend the publication of this paper in its present form. See detailed comments in the attached supplement file.

Please also note the supplement to this comment:

<https://www.earth-syst-dynam-discuss.net/esd-2019-35/esd-2019-35-RC2-supplement.pdf>

Interactive comment on Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2019-35>,
C1

2019.