

***Interactive comment on “Three perceptions of the evapotranspiration landscape: comparing spatial patterns from a distributed hydrological model, remotely sensed surface temperatures, and sub-basin water balances” by T. Conradt et al.***

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Equation 6 is not correct since, as it is expressed now, it does not take into account the proportion of the downwelling longwave radiation ( $R_{la}$ ) that is reflected by the surface. Since the land surface is not a blackbody ( $\text{emissivity}_e < 1$ ), and according to the Kirchoff's law, it should reflect longwave radiation by a factor of  $(1 - \text{emissivity}_e)$ . Therefore, Eq. 6 should be expressed as follows:

$$R_n = (1 - \text{albedo}) * R_{sg} + \text{emissivity}_e * R_{la} - R_{le}$$

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where  $R_{la}$  and  $R_{le}$  are expressed as in Eqs. 7 and 8

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