

Responses to Reviewer 1

egusphere-2024-1228: “Land surface temperature trends derived from Landsat imagery in the Swiss Alps” by Gök, et al. 2024

Thank you kindly for taking the time to read our manuscript again and for the constructive comments which helped us to improve it.

1) L313, Should be "9:29".
Done.

2) L319, The mean Δ LST should be calculated as the average of all values, including the melting ones (though close to zero). Thus, strictly speaking, the mean trend bias should be $1.72 \text{ K} / 38.5 \text{ yr} = 0.045 \text{ K yr}^{-1}$.

We adjusted the Δ LST value, which is now 1.55 K. This new value leads to an LST trend bias of 0.04 K yr^{-1} . We recalculated the spatial variability of the LST trend bias based on the new Δ LST value and updated figures and text accordingly.

Thank you for pointing that out.