

***Interactive comment on “A new approach for highly resolved air temperature measurements in urban areas” by M. Buttstädt et al.***

**M. Buttstädt et al.**

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Dear Thomas Langkamp,

thank you for your comment. The test series were carried out using the entire instruments including the fin heat sinks. We used fin heat sinks to enlarge the surface area of the sensor and thus, to accelerate the transfer of thermal energy between the sensor and the ambient air. Since a precondition of optimal heat dissipation is sufficient air flow we only considered data, which was recorded at a minimum driving speed.

Kind regards, Mareike Buttstädt

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Interactive comment on Atmos. Meas. Tech. Discuss., 4, 1001, 2011.