

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

T. Langkamp

thomas.langkamp@uni-hamburg.de

Received and published: 12 April 2011

Dear Mareike and Co-Authors, I think you wrote a sound paper leading us the way to urban measurement networks as dense as needed for urban planning purposes. Just one question concerning the two test series to get the temperature-sensors' coefficient of thermal inertia. Was it done within the final radiation shielding and the fin heat sink elements? The fin heat sink elements might influence the temperature adaption through their additional heat capacity. I think thus it would be necessary to do the test series with the heat sinks to calculate the final adaptation speed of the sensor. Yours sincerely, Thomas.

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

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