

Interactive comment on “A dual, single detector relaxed eddy accumulation system for long-term measurement of mercury flux” by S. Osterwalder et al.

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use consistently “unstable” instead of “instable” in the whole manuscript, including the supplement.

replace Rannik et al. (2003) with Rannik et al. (2000), “Footprint analysis for measurements over a heterogeneous forest”; that fits better as reference for the basic footprint model.

Page 8118, line 13: replace “challange” with “challenge”

Page 8120, line 7: replace “sampled” with “determined” or similar. Air temperature is
C2856

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nothing what is sampled. And it has to be calculated from sonic temperature.

Page 8126, line 23: replace "mire surface" with "surface" or "snow surface". During winter you are not measuring above mire surface.

Page 8127, line 14: not the "sonic anemometer temperature" is measured, but the "sonic temperature".

Page 8129, line 16: rewrite; e.g. "...data were omitted for kinematic heat flux in the range +/- 0.01"; I think you are talking about the range which is omitted, not the exact values.

Page 8131, line 16: remove comma after "was"

Page 8134, line 2: use consistent space between numbers and symbols. That should be done for the whole manuscript also including the supplement.

Page 8136, line 15: exchange of what? Name it.

Acknowledgements: "Stormyr" wasn't named before, introduce it maybe earlier.

Page 8146, table 2: replace "averaged" with "average" in figure caption

General: why are you using different β approaches for the two sites? Maybe it would be good to explain this a bit more.

Interactive comment on Atmos. Meas. Tech. Discuss., 8, 8113, 2015.

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