

Interactive comment on “Measurement and estimation of the aerodynamic resistance” by S. Liu et al.

Anonymous Referee #2

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Overall, this paper offered some interesting reading and gave information on a comparison of relevant methods that aim to quantify the aerodynamic resistance and compare these results with measurements from an eddy correlation system. The measurements made with the eddy correlation system were also compared with measurements from the evaporation pan. I agree with the previous reviewers and will not repeat their comments here. I suggest a carefull revision and resubmission.

I have one question that relates to the values measured with the evaporation pan in Figure 1. These are occasionally > 250 s/m but are not used in the comparison graphed in Figure 3. What criteria were used for this omission?

The results section appears to be a bit fragmented. Shouldn't the methods used for the

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performance criteria of the different models and the sensitivity analysis of the different models not be discussed in the methods section?

The readability of the paper would be greatly improved if its structure is improved. Although the English is generally okay, it might be useful to introduce the use of 'the' and 'a' at several places, remove 'respectively' on p. 684 l. 15. 'L' in lower case on page p. 684 line 22. Please provide r in 2 significant numbers.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 3, 681, 2006.

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