

Interactive comment on “Modeling the monthly mean soil-water balance with a statistical-dynamical ecohydrology model as coupled to a two-component canopy model” by J. P. Kochendorfer and J. A. Ramírez

S. Manfreda (Editor)

manfreda@unibas.it

Received and published: 20 May 2008

The paper entitled "*Modeling the monthly mean soil-water balance with a statistical-dynamical ecohydrology model as coupled to a two-component canopy model*" by J. P. Kochendorfer and J. A. Ramírez introduces a several interesting and physically based modifications to the original model proposed by Eagleson in 1978.

I want to remark the excellent work made by the referees that have provided constructive reviews of the paper useful to improve its final quality. Both referees of the

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



manuscript agree in finding this paper very interesting and suitable for publication after revisions. According to the referees and my own reading, the modelling assumptions and modifications are not strongly supported by model performances that are also affected by data uncertainties. For this reason, it would be useful to test the present model (named SDEM) with the fluxnet database as suggested by the reviewer 1.

As a general comment, the paper is well written and very interesting. In the present form, the paper is redundant in some parts (see reviewer 1 and 2) and it will certainly become more attractive if shorter.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 5, 579, 2008.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper