

***Interactive comment on “Kalman filters for
assimilating near-surface observations in the
Richards equation – Part 1: Retrieving state
profiles with linear and nonlinear numerical
schemes” by G. B. Chirico et al.***

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We are grateful to Referee#2 for his/her thoughtful review, which certainly helps us in improving our paper. If the Editor agrees, the assimilation techniques will be described more in-depth in the revised manuscript. We admit that we have been too synthetic when describing the Kalman algorithms and a bit imprecise in the usage of the notations for some equations. We hope that our replies (reported in the supplement pdf file) clarify all points raised by Referee#2.

C6793

Please also note the supplement to this comment:
<http://www.hydrol-earth-syst-sci-discuss.net/9/C6793/2013/hessd-9-C6793-2013-supplement.pdf>

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