

Interactive comment on “Technical Note: A simple generalization of the Brutsaert and Nieber analysis” by T. L. Chor and N. L. Dias

Anonymous Referee #2

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I agree with the comments of the other reviewer that in order for this manuscript to become acceptable for publication the authors should at least establish that the proposed generalization of the B-N method is 'better' based on real or lab data.

Having said that, even with such applications added to the manuscript I don't think this ms should be published; there is a lot 'wrong' with the B-N method and these shortcomings are well documented; fixing them one by one doesn't make much sense and defies the very purpose of the method; when it was developed in 1977 the elegance of the method lied in its simplicity and the fact that simple recession data could reveal aquifer parameters, in a similar fashion as pumping tests were used by groundwater hydrologists. Numerous authors have since shown that the derived relationships between the parameters a and b and aquifer properties are not necessarily physically-

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based, due to assumptions about homogeneity and non-sloping aquifers, and that the aquifer parameters k and f are state independent. These shortcomings outweigh the one that the authors try to fix.

Most importantly, the paper does not contribute in a significant manner to the advancement of hydrological science and therefore should not be published in HESS.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 11, 12519, 2014.