

## ***Interactive comment on “Using the nonlinear aquifer storage–discharge relationship to simulate the baseflow of glacier and snowmelt dominated basins in Northwest China” by R. Gan and Y. Luo***

### **Anonymous Referee #2**

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Dear Authors, thank you for adding evaluation indices which can be better used to evaluate model performance in low flow periods. Now it becomes very clear, that the two-linear and the one-nonlinear approach perform much better than the one-linear approach during low-flow periods. The differences in the evaluation indices for the two-linear and the one-nonlinear approach are very small, and often even higher values are achieved for the two-nonlinear approach. Therefore, it is not justified to conclude that the one-nonlinear approach performs better than the two-linear approach.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 10, 5535, 2013.

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