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Hydrology and Earth System Sciences Discussions

Interactive comment on "Long-range forecasting of intermittent streamflow" *by* F. F. van Ogtrop et al.

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Thank you Dr. Sharma for your comments. The results (Brier skill score BSS and receiver operating characteristic ROC) are indeed based on cross-validation (see page 689 lines 21 and 22 which could indeed be more clearly stated). Model selection was based on a stepwise approach using a Generalized Akaike Information Criterion. This approach tested model fit versus number of parameters where the parameters where either smoothed or linear predictors. Hence, this approach could select a traditionally used simple linear or generalized linear model or a more complex generalized additive model. The results expressed as a GAIC value could be documented for each model (combination and type of parameters) tested. However, we chose not to include these results due to the volume of the output.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 681, 2011.