

Isotope-enabled modeling of fast streamflow dynamics in a steep Alpine catchment

Harsh Beria et al.

5 Correspondence to: Harsh Beria (hberia@ethz.ch)

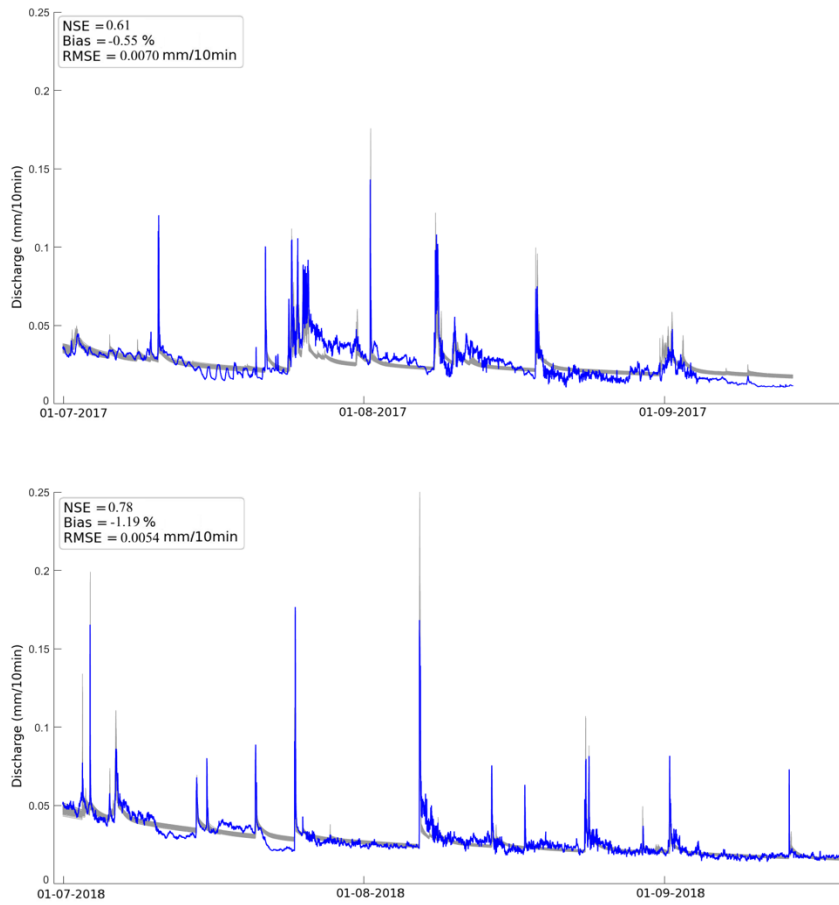


Figure S1: Observed (blue) and simulated (gray) streamflow using two linear subsurface reservoirs for discharge-based model calibration. Streamflow simulations and observations are shown at 10-minute resolution.

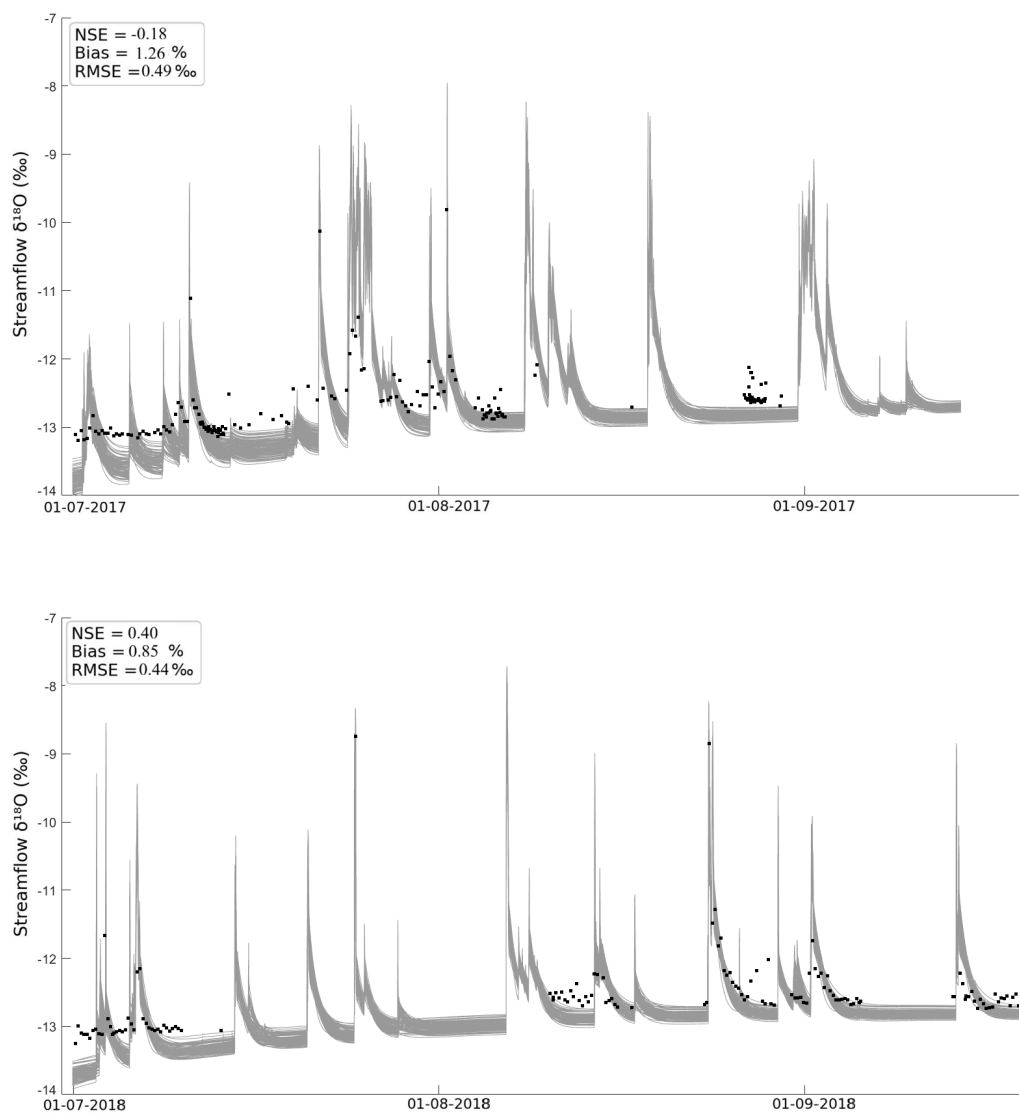


Figure S2: Observed (black dots) and simulated (gray bands) streamwater $\delta^{18}\text{O}$ using two linear subsurface reservoirs for discharge-based model calibration. Streamwater isotope simulations are carried out at 10-minute resolution and compared with isotope observations at the time of sample collection.

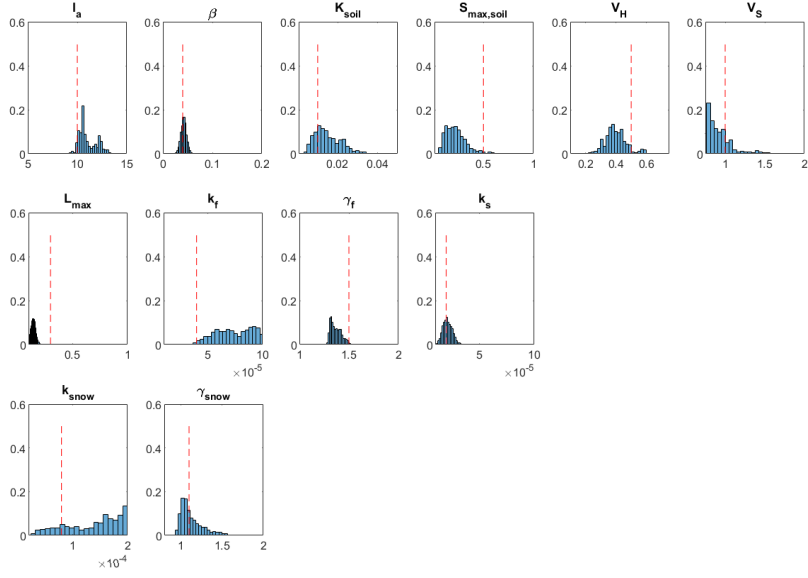


Figure S3: Posterior distributions of model parameters obtained from joint calibration against streamflow and streamwater $\delta^{18}O$ observations for the 2017 calibration period.

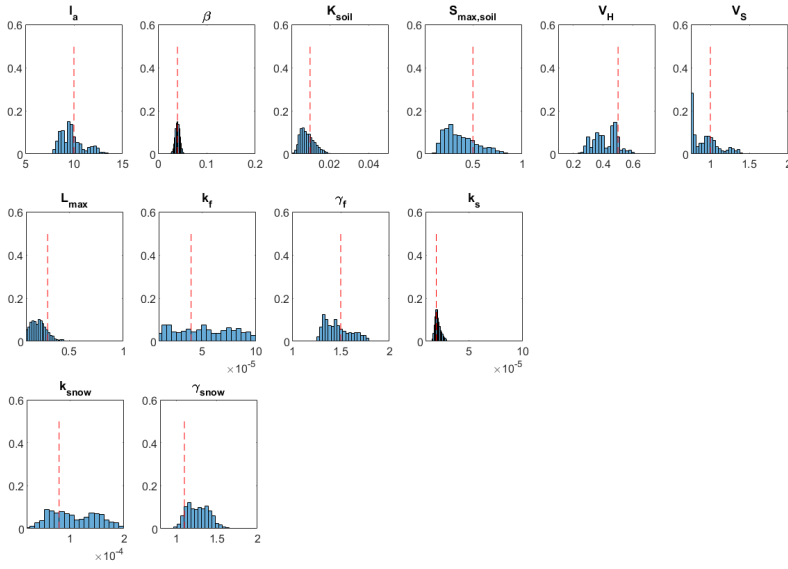


Figure S4: Posterior distributions of model parameters obtained from joint calibration against streamflow and streamwater $\delta^{18}O$ observations for the 2018 calibration period.