Hydrology and Earth System Sciences Discussions

Hydrol. Earth Syst. Sci. Discuss., author comment AC2
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Reply on AC1

Simon Hoeg

Author comment on "Benchmark tests for separating n time components of runoff with one stable isotope tracer" by Simon Hoeg, Hydrol. Earth Syst. Sci. Discuss., https://doi.org/10.5194/hess-2021-213-AC2, 2021

Since the discussion phase has been extended to mid of August 2021, please find attached the corresponding additional **Figure**:

Simulation with the damped scenario and random 18O strongly delayed input applying a reverse adaptation of the tracer concentrations ce (e); ce-1 (e+1), ..., ce-3 (e+3) based on the separated event water response by piece wise equating *Niemi*'s left hand side - Mean deviation between the simulated event water response and separated event water response for each event in % - **Delta e** : Deviation related to Qe , **Delta e-1** : Deviation related to Qe-1 , **Delta e-2** : Deviation related to Qe-2 , **Delta e-3** : Deviation related to Qe-3 , **Delta**: The mean of all deviations.

Please also note the supplement to this comment:
https://hess.copernicus.org/preprints/hess-2021-213/hess-2021-213-AC2-supplement.zip