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 \( c(e) \); \( c(e+1) \), \( ... \), \( c(e+3) \) 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 \( Q_e \), \( \Delta e-1 \): Deviation related to \( Qe-1 \), \( \Delta e-2 \): Deviation related to \( Qe-2 \), \( \Delta e-3 \): Deviation related to \( Qe-3 \), \( \Delta e \): 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