

Interactive comment on “Isotope hydrology of dripwaters in a Scottish cave and implications for stalagmite palaeoclimate research” by L. Fuller et al.

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The authors have responded well to the discussion comments presented in HESSD. All comments (1 comment and 2 reviews) suggested the manuscript was a valuable contribution and should be published. I fully support the manuscript moving to HESS. However I would like to confirm some final comments / changes to the HESSD manuscript that should be completed in the final version (some of which the authors note they were going to do). Thanks all for the discussion of this paper, I think there has been a successful process completed here and some good open discussion (and linkages to new data and interpretation) which is what HESSD is all about! The final changes I

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would like to see (I can please mail me to confirm these or if you have any issue with my final overview):

1) A change to figure 5 to include the Wallingford data and to confirm the correct location of this geographical area

2) A little more discussion on the possible variability in the percolation process and how this might effect the resolution, filtering and delay of the speleotherm signal. I realise the authors may have no data but the issue could be raised and noted to put the data in context.

I'd be interested to know if any colleagues in this area of research have evaluated more than one speleotherm to evaluate the potential 'differences' the overlying geology might make on the signal (there may be none in which case the opportunity for further work could be noted). Some/most of this could be accommodated from the authors response

3) I'd like to see the manuscript altered (succinctly) to reflect the discussion generated by the final reviewer. Especially the points on made on pages 549, 551, and 552.

I thank all again for their contributions

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 5, 547, 2008.

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