

Interactive comment on “4D imaging of sub-second dynamics in pore-scale processes using real time synchrotron x-ray tomography” by K. J. Dobson et al.

K. J. Dobson et al.

katherine.dobson@durham.ac.uk

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We thank the reviewer for the detailed and positive comments and have revised the text to reflect the comments. You suggest that with additional quantification the manuscript could have very significant impact. Thank you for this high opinion and while we note that major expansion of the quantitative analyses is beyond the scope of this methodology focussed paper, we have strengthened the language in the final discussion section to try and improve the breadth of the readership and potential applications. The in depth quantitative analyses of the other experimental data sets will be submitted as a separate manuscript to give us the space to address the wealth of data available and link back to the numerical modelling that can be validated using the method.

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Interactive comment on Solid Earth Discuss., doi:10.5194/se-2016-40, 2016.

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