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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.

Anonymous Referee #1

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Superb addition to the field and highlights the discovery of pore structure within pore structures which, with some further quantification and extension to other materials, would be very significant. Some minor typos below:

Page 2

line 7: systems, not system. line 10: comma after 'formation' and requires, not require. Add 'the' before multi-scale. line 13: comma after high resolution.

page 3 line7: sample, not samples. line 23: order, not odder line 24: Swap 'the' and 'these' around.

page 4

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line 2: Feed, not fed. line 6; to prevent, not prevented

Page 6 line 24 remove ’is’ after ’the fluid’ line 25 ’and expansion’ should be ’an expansion’

page 8 Line 17: from the same data it is possible ’to’ track. line 17: ’At’ the grain scale, not ’on’ the grain scale.

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

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