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Drinking Water Engineering and Science Discussions

Interactive comment on "Technical Note: Wet validation of optical tomography for drinking water discolouration studies" *by* R. Floris et al.

Anonymous Referee #2

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The authors present some recent development on their optical tomography approach used to illustrate cross-sectional particle concentration fields in drinking water pipes. Based on their previous publication in DWES on the development of the approach, they improved their mathematical model by considering scattering/reflection of light from particles and conducted validation tests using a highly viscous fluid. The results that are presented are brief (but ok for a technical note) and show good progress. I agree with the other reviewer (Dr. Husband) as to the uncertainty of using such an approach in real water systems but the device is certainly useful from a research point of view.

Throughout the text, I believe that the reference to van Thienen et al 2011b corresponds to the van Thienen et al 2011a paper in the reference list.

Some very minor specific comments: p30, line 3: . . . and for every light pulse, data are collected. . . p31, line 5: the word “suggests” is written twice p31, line 13: what is “AC-conversion”? p32, line 5: delete one “the” p32, line 23: delete “from”

Interactive comment on Drink. Water Eng. Sci. Discuss., 6, 27, 2013.