

Interactive comment on “Application of optical tomography in the study of discolouration in drinking water distribution systems” by P. van Thienen et al.

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First, the authors would like to thank anonymous referee 1 for his/her review of and comments on the paper.

It appears that four of the points listed by the referee require a reply:

3. Are substantial conclusions reached? Conclusions are not there yet

Our original conclusion was that we have a promising method. We have added more specific conclusions:

"A method for studying particle processes in situ has been presented and tested. The

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following can be concluded:

- The mathematical framework presented here is suitable for obtaining meaningful images from light measurements.
- The technical implementation is capable of resolving semi-transparent objects in a test setting."

5. Are the results sufficient to support the interpretations and conclusions? Need further rewording to make it clear

The more specific conclusions we have added are a direct condensation of the results presented in the paper.

6. Is the description of experiments and calculations sufficiently complete and precise to allow their reproduction by fellow scientists (traceability of results)? Hard to say

We feel that we have given a rather complete description of our approach, but we would be happy to add more information on any issue which is specifically indicated as lacking.

9. Does the abstract provide a concise and complete summary? May be expanded a little to include the conclusions drawn.

The abstract now includes our more specific conclusions:

"We conclude that the mathematical framework presented is suitable and that the technical implementation works in a test setting. The described methodology may provide a valuable tool for the study of processes related to drinking water discolouration in the lab."