

***Interactive comment on* “MISR Research Aerosol Algorithm: refinements for dark water retrievals” by J. A. Limbacher and R. A. Kahn**

Anonymous Referee #4

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In the paper “MISR Research Aerosol Algorithm: refinements for dark water retrievals” by J.A. Limbacher and R.A. Kahn, the authors evaluated assumptions made in the research version of the MISR aerosol algorithm. Refinements to the assumptions were made and improvements to the MISR aerosol products are also shown. Needless to say, this is a well written paper. The content of the paper shall be interesting to MISR aerosol users, as well as the general audience. I found this paper to be suitable for AMT publication if the authors address the issues raised by reviewers.

The other two reviewers did a nice job and have raised several issues. I am not going to repeat their comments. I would add one comment. The effect of wind speed to the MISR dark water retrieval seems missing from the discussion although whitecaps are included in the study. The glint pattern, as well as whitecap coverage, change as a

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function of wind speed. Therefore, I would suggest the authors add wind speed to their baseline case bias plot (Figure 3).

Interactive comment on Atmos. Meas. Tech. Discuss., 7, 7837, 2014.

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