

Interactive comment on “Joint retrieval of aerosol and water-leaving radiance from multi-spectral, multi-angular and polarimetric measurements over ocean” by F. Xu et al.

Anonymous Referee #1

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In conclusion, this work is worth for publication in AMT. But I strongly recommend that you resubmit a revised version, because the present form of your manuscript looks like a short dissertation. The manuscript should be recompiled by focusing upon what are new and different against the previous studies.

For an example, you can simplify the section 2. It seems to be just description of RT model, and then the manuscript becomes to be redundancy. You miss the solid curve (extended adding-doubling) in Fig.2. Other figures also should be more effectively treated. Figs.4, 5, 6, 7, 8 and 11 seems to be bored at least for me. I hope you come up with various ideas to make your figures.

Comparison with GRASP is introduced in Abstract, but I found it just in Fig. 12(a).

And even in this figure, the results with GRASP seem to be not so necessary because AERONET data are available there. If you have some more results compared with GRASP, please let me know them.

Anyway I am very interested in this work. I wish the manuscript should be carefully revised based on the scientific concept.

Interactive comment on *Atmos. Meas. Tech. Discuss.*, doi:10.5194/amt-2015-394, 2016.

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