

Interactive comment on “Multi-sensor Aerosol Products Sampling System (MAPSS)” by M. Petrenko et al.

Anonymous Referee #1

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This is a very interesting and useful publication that provides a unique tool for aerosol related scientists. It is an innovative study with a specific deliverable. The publication is very well written and includes technical and scientific explanation of the initial set up of MAPSS but also for possible ways to exploit the results.

I have no important technical or scientific recommendations or suggestions for changes in the manuscript.

The only comment is in the Application section. The CALIPSO related paragraph (p.925 l. 22-29) provides one example of the effect of multiple layers on OMI and POLDER retrievals. Is there an explanation of this deviation? or are there any references related with this effect to the specific satellite sensor retrievals?

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It would be challenging but extremely interesting and useful if a future work could include global coverage of all the MAPSS related satellite sensors and not only above AERONET locations. In addition, to the extensive satellite validation research it could be a powerful tool for all aerosol related scientists, but also a unique web interface for university students of related disciplines to get involved with MAPSS related satellite information.

I apologize for my late review.

Interactive comment on Atmos. Meas. Tech. Discuss., 5, 909, 2012.

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