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Atmospheric Measurement Techniques Discussions

Interactive comment on "Aerosol retrieval from multiangle multispectral photopolarimetric measurements: importance of spectral range and angular resolution" *by* L. Wu et al.

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C1- The authors study the importance of including near- and shortwave infrared photopo- larimetric measurements, and a variety of viewing angles, for aerosol retrievals. They perform both synthetic and real retrievals to illustrate the point. They find that multiple viewing geometries are very helpful in reducing retrieval errors but only up to a certain point. When the number of angles increases beyond âĹij10, more angles do not help anymore. However, even in this case, they might be useful if clouds and aerosols were simultaneously retrieved. Further, retrievals from real RSP measurements agree with AERONET measurements to the extent that these retrievals can be

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compared.

The subject matter of the manuscript is relevant for future aerosol instruments such as 3MI and the exposition is sound. However, there are a lot of typos and grammatical errors that a native English speaker should thoroughly check and correct (e.g. principal plane and principal component analysis and NOT principle plane or principle component analysis). I recommend that this paper be accepted after technical corrections.

R1- We thank anonymous reviewers for constructive comments and remarks, which helped to improve the paper. We will check the manuscript on grammar and typos.

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