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Atmospheric Measurement Techniques Discussions

Interactive comment on "Verification and application of the extended Spectral Deconvolution Algorithm (SDA+) methodology to estimate aerosol fine and coarse mode extinction coefficients in the marine boundary layer" *by* K. C. Kaku et al.

Anonymous Referee #2

Received and published: 2 July 2014

General

This review is a handling editor short review replacing a missing review.

This is a sound study on the SDA+ algorithm. At its start, the paper gives a good overview on the historcal development of spectral deconvolution methodologies.

The paper intends to show that the SDA+ algorithm can be used to perform an ex-

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tinction coefficient analysis from both nephelometer and PSAP data. The paper is successful in achieving this.

The paper is in the scope of ACP and should be published subject to only minor revision.

Details

Page 2555, line 1: The authors should elaborate a bit more on why these particular data sets mentioned have been selected. Wouldn't it been possible to even choose more differing marine data sets ? A bit more explanantion would be helpful to the reader.

P 2564, l 7: Wouldn't it have bben helpful to use more data sets where submicron data are available from measurements such as submicron absorption ? Again, it would be good to explain how data sets for this paper haven been chosen.

Interactive comment on Atmos. Meas. Tech. Discuss., 7, 2545, 2014.