

## ***Interactive comment on* “Comparisons of spectral aerosol absorption in Seoul, South Korea” by Jungbin Mok et al.**

**S. Kazadzis (Editor)**

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Received and published: 7 March 2018

Dear authors,

The paper is very interesting and present unique results and methodology for a scientific area (columnar UV absorption) that currently only limited information can be found in the literature.

One aspect that the first reviewer is bringing up is the observed differences for SSA comparisons for higher wavelengths. As stated the paper is showing a method for the UV region. However, it is a bit puzzling that somehow this comparison provides an evaluation of the method using skynet SSA@UV retrievals. However the more "standard" SSA retrievals at VIS and NIR wavelengths show larger discrepancies. Even

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compared with the SSA@340nm that AOD differences should lead to SSA deviations (as already stated by the authors).

So to my point of view this issue needs further clarification in order for the reader to understand if the differences comparing Skynet SSA retrievals and SSA from the two methods (the standard cimel and the AMP synergistic one) for the VIS-NIR and the UV respectively, are due to instrument or method related differences.

regards SK

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Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-380, 2017.

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