

Interactive comment on “GOCl Yonsei aerosol retrieval version 2 aerosol products: improved algorithm description and error analysis with uncertainty estimation from 5-year validation over East Asia” by Myungje Choi et al.

Anonymous Referee #1

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This manuscript updates the Yonsei aerosol retrieval (YAER) version 1 to version 2 to overcome the errors related to

uncertainties in surface reflectance and simple cloud masking and the current version is capable of near-real-time

processing. The updated version has been compared to previous version and validated using multiple observations,

including MODIS, VIIRS, AERONET and SONET data. This upgration is meaningful

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and will also be useful to improve

model predicitions through data assimilation because it has lower error and is capable of NRT processing. This

manuscript is well organized and wrriten. I would strongly recomend publication after some minor corrections. 1. Line 9: a role of to "the role of " 2. Line 12: sulfates nitrates to "sulfate nitrate" 3 Line 11: delete "The" 4 Line 25: add "This manuscript is organized as follows" before "in section2 " 5 Line 29: Delete "qualitative" since many quantative values are used in this section 6 Line 31: Please add description of the differences between All QA and QA of 3.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-251, 2017.

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