

Interactive comment on “GOCI 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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Discussion paper



and will also be useful to improve

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

manuscript is well organized and written. I would strongly recommend 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 quantitative 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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