Atmospheric
Chemistry
and Physics
Discussions

Open Access

EGU

Interactive comment on "Comparison of two automated aerosol typing methods and their application on an EARLINET station" *by* Kalliopi Artemis Voudouri et al.

Anonymous Referee #2

Received and published: 18 February 2019

The manuscript applies two different algorithims to investigate the capability to correctly classify an aerosol layer based on the intensive optical properties.

To my opinion: - A clear demonstration of the aerosol classification methodology should be done in section 3.1 and 3.2 with a sketch. The aerosol properties used in each of the algorithms should be clarified in the manuscript. - A table with the aerosol classes finally used would be helpful along with the aerosol mixtures for each aerosol class - More complex cases should be also presented in the manuscript. - Clean continental cases are not well justified in the manuscript

Detailed corrections/suggestions is within the upload reviewed file.

C1

Please also note the supplement to this comment:
https://www.atmos-chem-phys-discuss.net/acp-2018-1062/acp-2018-1062-RC2-supplement.pdf

Interactive comment on Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2018-1062, 2018.