

Interactive comment on “Real-time pollen monitoring using digital holography” by Eric Sauvageat et al.

Anonymous Referee #2

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This article presents the development and testing of a commercial instrument to characterize pollen aerosol particles with fluorescence and digital holography. The holography aspect is based on previous work by Berg & Videen in 2011 where images of similar free-flowing pollen particles are obtained revealing the particle size and shape. The authors integrates this powerful technique with fluorescence to collect material information from the particles at a later stage of trajectory through the instrument. This is important work as it demonstrates that the earlier proof-of-principle research can be effectively implemented as an instrument. The paper's presentation is of high quality and its impact will be substantial to the field of aerosol science.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2019-427, 2019.