

Interactive comment on “Airborne high spectral resolution lidar observation of pollution aerosol during EUCAARI-LONGREX” by S. Groß et al.

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We thank A. D. Papayannis for the useful comment which helped us to improve the scientific quality of this paper. We answer to that comment in a direct response (bold, italic).

This paper lacks referring to recently published papers regarding the aerosol lidar ratios, especially for mixtures of dust-haze-biomass burning events. The authors should regard this, intensively.

In this work we report about lidar derived optical properties of anthropogenic pollution. For this reason we did not include and discuss results of dust and biomass burning events. However, we included the publications of Hänel et al., 2012 and Chen et al., 2012 reporting about Raman lidar measurements of haze and pollution over China.