

Interactive comment on “Extinction and Optical Depth Retrievals for CALIPSO’s Version 4 Data Release” by Stuart A. Young et al.

Anonymous Referee #1

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A valuable study for the changes made to the extinction and optical depth retrieval algorithms that are used to create the version 4.10 CALIOP Level 2 data products. A very interesting comparison of CALIPSO V3 and V4 with MODIS collections was conducted.

Some technical corrections will perfect this paper: page 5, Table 1, the categories for tropospheric aerosol subtypes refer only in V4. i.e. elevated smoke and not just smoke as in V3 page 7, Figure 1, the optical quality of this figure should be increased page 12, Figure 2, the axis labels and ticks should be increased in the first figure page 13, line 10, "...which of these error sources cause..." page 33, Figure 11a, (a) white symbol should be deleted

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