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Manuscript title: The regional distribution characteristics of aerosol optical depth over the Tibetan Plateau

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Response to Editor

I would like to accept the manuscript for its publication in ACP. Congratulations!

Concerning the referee's comment "1. Page 7, lines 5-11: The authors cite the agreement between CALIOP and AERONET as percentage numbers. What do these numbers indicate? Please clarify.", I would suggest to specify the meaning by adding a few words. For example, "The results revealed the greatest agreement for the dust type (91 %)" should be changed to "The results revealed the greatest agreement for the dust type (91 % of the cases)".

Response

Thank you very much for positive evaluation. We greatly appreciate for your valuable comments and suggestions, which are very helpful to the quality of this manuscript. We followed your suggestion and changed these sentences into ‘The results revealed the greatest agreement for the dust type (91 % of the cases), moderate agreement for the polluted dust type (53 % of the cases), and poorer agreement for smoke (37 % of the cases) and for polluted and clean continental combined (22 % of the cases). Burton et al. (2013) made comparisons of aerosol types between CALIPSO and airborne High Spectral Resolution Lidar, which showed the best agreement for desert dust (80 % of the cases) and marine aerosols (62 % of the cases), moderate agreement for the polluted continental aerosols (53 % of the cases), but relatively poor agreement for polluted dust (35 % of the cases) and smoke (13 % of the cases).’. Please see the sentences in Page 7 line 3-11.