

Interactive comment on “Role of coarse and fine mode aerosols in MODIS AOD retrieval: a case study” by M. N. Sai Suman et al.

Anonymous Referee #2

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In general, I'm quite satisfied from the author's responses, which were clear enough to the points that I initially raised. So, I'm looking forward to see the revised manuscript and the inclusion of some discussions, modifications that authors mention in their response. Furthermore, they may also include in the revised version 1-2 sentences from their response concerning the preference of using L3 MODIS data. I agree that L2 MODIS AOD may be a little noisy especially over urban areas with high reflection and large heterogeneities in the aerosol field, like Hyderabad (Kharol et al., 2011). However, this may be not the case over Gadanki and the authors have to discuss the previous results using L2 MODIS AODs (Kiran Kumar et al., 2013) in order to clarify better their preference in L3 data and the fact that comparison between L2 and L3 is satisfactory enough for this kind of research.

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