

# ***Interactive comment on “Characterization of smoke/dust episode over West Africa: comparison of MERRA-2 modeling with multiwavelength Mie-Raman lidar observations” by Igor Veselovskii et al.***

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Received and published: 25 December 2017

1. “The paper needs only technical revision. See attached annotated file.” We are very grateful to Referee 1 for careful reading of the manuscript and numerous improvements. Corresponding changes are introduced in the revised version of manuscript. 2. Fig.7. “a general comment is on the value of beta (1064 nm) below 2 km height. Why it is bigger than the one of 355 nm. There should be a process error, there!” At low altitudes the dust backscattering coefficient at 355 nm can be lower than at 1064 nm, because of higher value of the imaginary part of RI. 3. “the word “backscatter-

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ing" should be replaced by "backscatter" through out the whole paper." Expression "backscattering coefficient" is commonly used in lidar publications. So we would prefer to use it also.

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Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-342, 2017.

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