

Interactive comment on “Aerosol-precipitation interactions in the southern Appalachian Mountains” by G. M. Kelly et al.

Anonymous Referee #1

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The manuscript presents a statistical analysis of meteorological precipitation events and observed aerosol properties. However, the title is presumptuous, by suggesting that the manuscript would add to the current debate of aerosol/precipitation interaction. The precipitation events are catalogued following meteorological criteria separating seasons, frontal, non-frontal, etc rain. Some bulk aerosol parameters were measured at the same time. However, all quantities reported are bulk quantities, and the data are integrated over several hours. A discussion tries to explain the reported variations. The arguments, however, are pure speculation, as the data due not allow any such analysis. Consequently, I consider this is not a sound scientific analysis. I suggest to reject the manuscript.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 5487, 2012.

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