

Interactive comment on “Mass spectrometry of refractory black carbon particles from six sources: carbon-cluster and oxygenated ions” by J. C. Corbin et al.

Anonymous Referee #2

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This paper presents an analysis of the mass spectra from an SP-AMS operated in laser on and laser off modes applied to a suite of various commercial and synthetically generated black carbon particles. The paper is well written, the analysis thorough, and the conclusions are well supported by the data. It is a fine analysis that will be useful to future users of the SP-AMS instrument. My only cosmetic suggestion is to make the symbol sizes on the plots larger.

My only scientific concern is that the paper is clearly most suitable for AMT, and frankly makes too little a contribution to understanding the atmosphere to be relevant for ACP. However, I leave that decision up to the editor.

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Interactive comment on *Atmos. Chem. Phys. Discuss.*, 13, 27561, 2013.