

Comments on the revised manuscript of Ayres et al.

The authors have addressed the comments of the reviewer adequately. However, I notice that Xu et al. (2015) is not referenced properly. For example, in line 135-145 (revised manuscript) where the authors discuss the NO_x^+ ratio method, it is appropriate to cite Xu et al. (2015) who systematically evaluated the uncertainties associated with this method in detail. In addition, Xu et al. (2015) estimated that the organic nitrates contribute 5-12% of total OA in the southeast US in summer, which is closely relevant to this study and should be mentioned.

Reference

Xu, L., Suresh, S., Guo, H., Weber, R. J., and Ng, N. L.: Aerosol characterization over the southeastern United States using high-resolution aerosol mass spectrometry: spatial and seasonal variation of aerosol composition and sources with a focus on organic nitrates, *Atmos. Chem. Phys.*, 15, 7307-7336, 10.5194/acp-15-7307-2015, 2015.