

***Interactive comment on “Elemental analysis of aerosol organic nitrates with electron ionization high-resolution mass spectrometry” by A. W. Rollins et al.***

**Anonymous Referee #1**

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General comments:

In total the paper and the dealt with question is interesting and of scientific value. So it should be published.

Specific comments: It could be a good idea to give a more clear hint for the link to identify real gases at the beginning, to have the basis for the comparisons at page 11.

For equation (1) the derivation should be described more clearly, because from the text on page 10 the reader might easily oversee the factor 0.66 to come from equation (3) and (2) to equation (1). Possibly an index in the numbered equations and the equations

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in the text could help.

Technical corrections: Some of the short forms (e.g. SOA, NR,  $m/z$ ) should be explained for not specialized readers. In some cases the time of the wording should be checked (e.g. find – line 6, 338, 340, compare line 239,). Spelling: electronegative (line 288) Punctuation: line 103

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Interactive comment on Atmos. Meas. Tech. Discuss., 2, 2781, 2009.