

Interactive comment on “The role of iron and black carbon in aerosol light absorption” by Y. Derimian et al.

Y. Derimian et al.

Received and published: 13 November 2007

We are very thankful to the referee for raising the issue of the method consistency and for the provided references. Indeed, the suggested relationship (which was also modified during the revision process) should be tested for other conditions to examine its consistency. We emphasized in the conclusion part that more evaluation of the calculated Fe percentage is needed before assuring consistency of the method for different conditions. We also noted in the conclusion section that the accuracy of the presented method can be increased with the improvements of the quality and the number of observations. In addition, we have provided more test cases (Table 1) for appropriate measurement sites. The suggested references were considered.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 8159, 2007.