

Interactive
Comment

***Interactive comment on* “Chemistry and mineralogy of clay minerals in Asian and Saharan dusts and the implications for iron availability” by G. Y. Jeong and E. P. Achterberg**

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We appreciate the referee’s comments.

Comment 1: Page 15740, line 18. I think the year of the last dust sample in this should be 2014.

Reply 1: “2013” will be replaced by “2014”.

Comment 2: P 15741, lines 8 & 26. The length units here should not be squared (i.e. “3mm x 4mm” and “6um x 6um”).

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Reply 2: Thanks. We have not found the errors created probably during the copy editing. The length units in lines 8 and 26 will be corrected to “3 mm × 4 mm” and “6 μm × 6 μm”, respectively.

Comment 3: P 15753, lines 21-22. Please check that all the cited manuscripts are present in the reference list. Two at least (Alastuey et al., 2005 and Klaver et al., 2011) appear not to be.

Reply 3: Thanks. They will be added to the reference list. We will check again all the references.

Comment 4: P 15753, lines 28-. This appears to be a mis-citation. I can find no such information in Baker & Jickells 2006.

Reply 4: Although this was not discussed in the text of Baker and Jickells (2006), such information can be found in the Supplementary Tables provided by them. Average Fe/Al molar ratio of 0.12 in a leaching test and the 0.26 for the corresponding fine aerosol were derived from the Supplementary Tables ts02 and ts03, respectively. Anyway, we will delete the sentence from P15753, line 28 to P15754, line 1 which is not likely essential, confusing readers.

With the closing of discussion forum, final version will be prepared considering comment and reply above.

Sincerely

On behalf of co-authors

Gi Young Jeong Corresponding Author

Interactive comment on Atmos. Chem. Phys. Discuss., 14, 15735, 2014.

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