

***Interactive comment on* “Emission factors for open and domestic biomass burning for use in atmospheric models” by S. K. Akagi et al.**

Anonymous Referee #2

Received and published: 18 December 2010

The authors present a very detailed and comprehensive compilation of emission factor measurements for biomass burning sources for a large number of chemical species. High care has been put into acquiring and integrating results from different studies. The manuscript for this reason is lengthy and very much presents a work of reference rather than a research paper. However, this work provides essential guidance for developers and users of biomass burning emission inventories and is of high relevance to the scientific community. For this reason I recommend the paper for publication.

To strengthen the value of this work I suggest, in line with reviewer 1, to include com-

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parisons to as of now commonly used emission factors. Such a comparison would provide users with the needed information on how current emission inventories might change when these new emission factors are considered. A comparison from global emission inventories compiled with the new factors versus e.g. Andreae and Merlet (2001) would be ideal, but understand if this goes beyond the scope of this work.

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 27523, 2010.

ACPD

10, C11250–C11251,
2010

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