

***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**

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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.

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