

## ***Interactive comment on “Size distribution and hygroscopic properties of aerosol particles from dry-season biomass burning in Amazonia” by J. Rissler et al.***

**Anonymous Referee #2**

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The article describes the measurements of aerosol particle number size distributions of biomass burning aerosols in Brazil during the dry season. The experiments and the data are well described. The author explains successfully the variability of the measurements by boundary layer meteorology. The most interesting feature of the article is however the description of the hygroscopic growth measured by the HTDMA. Ms Rissler explained well why the growth factors are much smaller than for inorganic salts.

Overall, the article is a useful contribution to the knowledge of the aerosol properties

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of biomass burning aerosols. Ms Rissler did a solid analysis and I congratulate her for her work.

I do not recommend further analysis and suggest accepting the paper as it is.

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Interactive comment on Atmos. Chem. Phys. Discuss., 5, 8149, 2005.

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