

## ***Interactive comment on “Molecular markers of biomass burning and primary biological aerosols in urban Beijing: Size distribution and seasonal variation” by Shaofeng Xu et al.***

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A list of all relevant changes made in the manuscript:

1. Information on the meteorological parameters during each of the sampling periods in detail are added and presented in Table S1 in supplementary information.
2. Extra description are provided about anhydrosugars, primary saccharides and sugar alcohols in Section 1 in the revised manuscript.
3. Some missing introductions and information are added in the section 2.1.
4. Ratios of individual anhydrosugars and OC/EC are summarized and classified in

C1

Section 3.1. Errors about L/M ratio are corrected in the revised manuscript.

5. Explanation about “Dust storm greatly enhance organic aerosol concentrations and induce a remarkable size shift towards coarse sizes” are added in the revision.

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