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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Insights into the chemical composition of summertime $PM_{2.5}$ at the northeast of the Qinghai-Xizang (Tibet) Plateau" *by* J. Xu et al.

Anonymous Referee #2

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The study used aerosol samples collected in mountain top of Tibet using a MOUDI sampler. In laboratory, the authors obtain OC, EC, inorganic ions, and WSOC, and TON. These data is important to understand aerosol compositions in free troposphere over Tibet. The authors also used HR-ToF-AMS to get the details about the organic matter and indicate ageing process of OM. The chemical analysis of the composition and aging processes for aerosol particles in this work are systematic and comprehensive. The HOA, SOA, and O/C ratio in this work are very important for better understanding the properties of OM aerosols in the clean background area. The experiment methods are of interest to the readers who concern aerosol particles in some clean

background places. In light of the valuable data in the special area, the paper can be published by ACP with one minor revision. 1318 Line 7 72% 1318 Line 17 No dust storm event was 1318 Line 20 at the range 1.8-8.0 ug -3 with the average at 3.7.. 1318 Line 24 deleted “the” 1319 Line 18 Correlations 1324, Line 2 deleted further 1325 line 2 consistent with

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Interactive comment on Atmos. Chem. Phys. Discuss., 15, 1307, 2015.