

Interactive comment on “Characterization of on-road vehicle emissions in the Mexico City Metropolitan Area using a mobile laboratory in chase and fleet average measurement modes during the MCMA-2003 field campaign” by M. Zavala et al.

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The authors would like to thank the referee for his/her comments for the improvement of the manuscript.

1. In the discussion on the use of the Central Limit Theorem the paper has been changed to make clear the referee’s point indicating that the presence of a skewed distribution does not allow concluding on the adequacy of the sample size. As indicated in the manuscript, we also believe that the particularly irregular pattern in the distribu-

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tion of NO₂ may indicate the need for a larger sample size together with the possible influence of not primary emitted NO₂.

2. The definition of Colectivos has now been added to the Abstract.

3. We have edited the sentence regarding the probable contribution of the CNG powered colectivos to the overall NO_x and aldehyde emissions. We have edited this part in the manuscript by referring to the higher measured NO_x and aldehyde emission ratios from CNG powered colectivos in comparison with other sampled vehicles in our experiment and other studies, rather to the overall NO_x and aldehyde emissions in the MCMA. Unfortunately, the MCMA emissions inventory document is not specific on the original source for their emission factors for CNG vehicles. We have now included some references to dynamometer studies.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 4689, 2006.

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