

Authors' response to reviews of the revised version

We thank the reviewers for carefully reading the revised manuscript and their positive comments. The two suggestions of reviewer #1 to improve the abstract has been considered. Moreover, we have included another reference to the manuscript:

Kaser, L., E. G. Patton, G. G. Pfister, A. J. Weinheimer, D. D. Montzka, F. Flocke, A. M. Thompson, R. M. Stauffer, and H. S. Halliday (2017), The effect of entrainment through atmospheric boundary layer growth on observed and modeled surface ozone in the Colorado Front Range, *J. Geophys. Res. Atmos.*, 122, 60756093, doi:10.1002/ 2016JD026245.