

Atmos. Meas. Tech. Discuss., referee comment RC2 https://doi.org/10.5194/amt-2021-360-RC2, 2021 © Author(s) 2021. This work is distributed under the Creative Commons Attribution 4.0 License.

Reply on RC1

Anonymous Referee #1

Referee comment on "Air quality observations onboard commercial and targeted Zeppelin flights in Germany – a platform for high-resolution trace-gas and aerosol measurements within the planetary boundary layer" by Ralf Tillmann et al., Atmos. Meas. Tech. Discuss., https://doi.org/10.5194/amt-2021-360-RC2, 2021

Forgot the references:

Choi et al. Assessment of NO2 observations during DISCOVER-AQ and KORUS-AQ field campaigns. https://doi.org/10.5194/amt-13-2523-2020. 2020.

Flynn et al. Relationship between column-density and surface mixing ratio: Statistical analysis of O3 and NO2 data from the July 2011 Maryland DISCOVER-AQ mission. AE. https://doi.org/10.1016/j.atmosenv.2014.04.041. 2014.

Flynn et al. Variability of O3 and NO2 profile shapes during DISCOVER-AQ: Implications for satellite observations and comparisons to model-simulated profiles. AE. https://doi.org/10.1016/j.atmosenv.2016.09.068. 2016.

Li et al. Comprehensive evaluations of diurnal NO2 measurements during DISCOVER-AQ 2011: effects of resolution-dependent representation of NOx emissions. ACP. https://doi.org/10.5194/acp-21-11133-2021. 2021.

Valin et al. Variations of OH radical in an urban plume inferred from NO2 column measurements. GRL. https://doi.org/10.1002/grl.50267. 2013.