

Atmos. Meas. Tech. Discuss., author comment AC6  
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## Reply on CC1

Nora Mettig et al.

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Author comment on "Ozone profile retrieval from nadir TROPOMI measurements in the UV range" by Nora Mettig et al., Atmos. Meas. Tech. Discuss.,  
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We have extended the description of the ozone profile retrieval by Zhao.

*"So far, the L1B version 1 TROPOMI data in band 3 (314 - 340 nm) was used by Zhao et al., 2020 to determine tropospheric ozone and investigate its changing distribution due to the Covid-19 pandemic. Their profile retrieval was limited to the UV3 band because of larger systematic radiance differences in band UV1 and larger fitting residuals in band UV2. The ozone profiles were derived using Optimal Estimation and a soft calibration was applied as well. Due to the narrow spectral window the vertical resolution of their retrieval is very limited (1.5 - 2 degrees of freedom)."*