

***Interactive comment on “Diurnal variation in middle atmospheric ozone by ground based microwave radiometry at Ny-Ålesund over 1 year” by Franziska Schranz et al.***

**Anonymous Referee #2**

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Schranz et al. show that ground-based microwave remote sensing of the atmosphere has matured to a reliable and very useful technique to observe vertical profiles of diurnal variation of ozone in the middle atmosphere. The paper is interesting and well written and fulfil the scope for publication in ACP. I agree on the remarks given by referee 1 and I also recommend this paper for publication if the following two minor points are taken into consideration.

1; It would be interesting to see example spectra from the GROMOS-C and OZORAM instruments

2; Pressure scale is used to display the altitudes in the figures. I suggest that also the

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altitudes in km are displayed to the left at least in figures 3, 4 and 15

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