

Interactive comment on “Ozone seasonal evolution and photochemical production regime in polluted troposphere in eastern China derived from high resolution FTS observations” by Youwen Sun et al.

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The authors may wish to refer to recent work by Schroeder et al. (2017) doi: 10.1002/2017JD026781, who did a thorough analysis of the utility of column HCHO/NO₂ ratios to indicate surface O₃. Schroeder et al. found that column HCHO/NO₂ ratios are not effective for determining surface O₃ sensitivity, as the "transition" range is certainly larger than the range of 1-2 described in Duncan et al (2010), and larger than the 1.3-2.8 used in this work.

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