

## ***Interactive comment on “Impacts of anthropogenic and natural sources on free tropospheric ozone over the Middle East” by Z. Jiang et al.***

**Z. Jiang et al.**

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Q1: Jiang et al made a nice and interesting paper. However, I feel that it would make the paper stronger, if the authors included some of the recent papers on the topic (see below) and put into perspective with regard to their findings.

Thank you for these recommendations! These papers have been included in the revision.

Lelieveld, J., Hoor, P., Jockel, P., Pozzer, A., Hadjinicolaou, P., Cammas, J., Beirle, S. (2009). Severe ozone air pollution in the Persian Gulf region. Atmos. Chem. Phys., 9,

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1393-1406.

Spohn T.K., Rappenglück B. (2015): Tracking potential sources of peak ozone concentrations in the upper troposphere over the Arabian Gulf region, *Atmos. Env.*, 101, 257-269, <http://dx.doi.org/10.1016/j.atmosenv.2014.11.026>

Tyrlis, E., Škerlak, B., Sprenger, M., Wernli, H., Zittis, G., and Lelieveld, J. (2014): On the linkage between the Asian summermonsoon and tropopause fold activity over the eastern Mediterranean and the Middle East, *J. Geophys. Res.*, 119, 3202-3221, doi: 10.1002/2013JD02113.

Zanis, P., Hadjinicolaou, P., Pozzer, A., Tyrlis, E., Dafka, S., Mihalopoulos, N., Lelieveld, J. (2014). Summertime free tropospheric ozone pool over the Eastern Mediterranean/Middle East. *Atmos. Chem. Phys.*, 14, 115-132, doi:10.5194/acp-14-115-2014.

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