

Interactive comment on “Significant increase of surface ozone at a regional background station in the eastern China” by Z. Q. Ma et al.

M.-Y. Lin

meiyun.lin@noaa.gov

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Thanks for the response. Understanding long-term changes in ozone pollution in China is important. But you need to conduct a careful literature review to set your study in the context of a broad literature.

As for the influence of changes in transport patterns on ozone trends, you can say: Decadal circulation shifts have played a key role in the autumnal ozone increase and the absence of spring ozone change measured at Mauna Loa Observatory (3.4 km altitude) over the subtropical Pacific Ocean during 1974-2012 (Lin et al., 2014, Nature Geoscience).

P31953, Line 15-17: Regarding the stratospheric contribution to baseline ozone vari-

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ability and trends, you should also discuss the results from Lin M. et al. (2015, Nature Communications).

P31953, Line 18-21: Regarding the contribution of rising Asian emissions and Asian pollution outflow on tropospheric ozone trends over downwind continents, you also need to discuss the results from Lin M et al. (2015, GRL).

Interactive comment on Atmos. Chem. Phys. Discuss., 15, 31951, 2015.

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