

Interactive comment on “Evaluating Sentinel-5P TROPOMI tropospheric NO₂ column densities with airborne and Pandora spectrometers near New York City and Long Island Sound” by Laura M. Judd et al.

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Upon creating my final response, I realized I answered one of my responses in reference to the wrong line in the manuscript and therefore changes the context of the question. It is in reference to the comment below where I addressed it better here.

– Page 18, Line 580: Can you provide an approximate value for the Pandora horizontal sensitivity? Pandora’s approximate horizontal path through the lower troposphere, where most of the NO₂ resides, is quite small and local (less than 1 km). For example,

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if we had a 1km mixed layer height and the range of SZAs during the LISTOS time period (17-40 degrees), the horizontal path length through the mixed layer would range from ~300-840 m.

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