

Interactive comment on “Application of Open Path Fourier Transform Infrared Spectroscopy (OP-FTIR) to Measure Greenhouse Gas Concentrations from Agricultural Soils” by C.-H. Lin et al.

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The mixing ratios of N₂O (ppbv) and CO₂ (ppmv) that were determined by S-OPS and calculated from OP-FTIR spectra were shown in the Figure-7. The measured and calculated mixing ratios needed to be corrected by the humidity content in the air (dry air correction). The original Figure-7 showed the dry-air corrected concentrations of N₂O (both from S-OPS and FTIR) and CO₂ from S-OPS, but CO₂ concentrations that were calculated from OP-FTIR were not corrected by humidity content by accident. We updated the Figure-7 (attached) with the dry-air corrected CO₂ concentrations that

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were calculated from FTIR spectra (FTIR-CO2 CLS).

For the caption of the Figure-2, the air was considered well-mixed when the mean wind velocity was above 1.5 m/s instead of 1.7 m/s.

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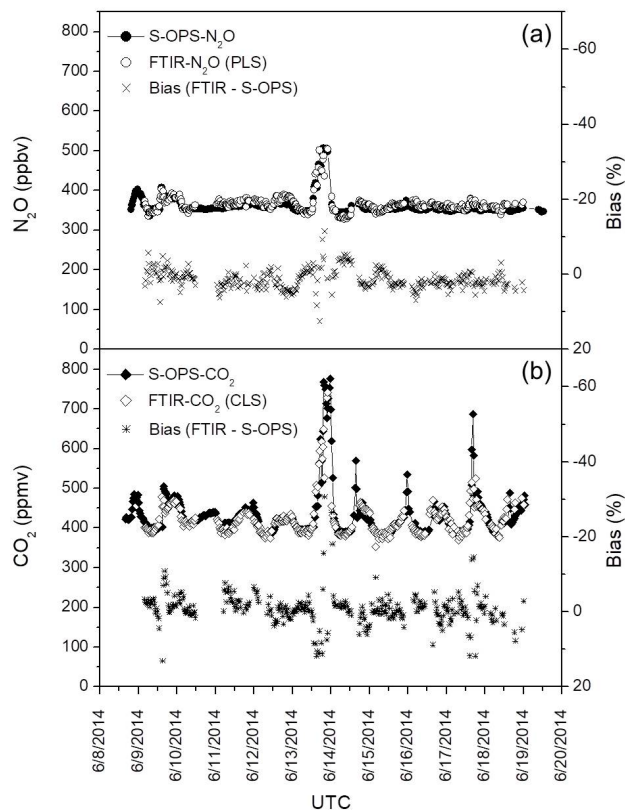


Fig. 1. The updated Figure-7: N_2O and CO_2 concentrations from 9th to 19th in June 2014.

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