

Interactive comment on “Improved instrumental line shape monitoring for the ground-based, high-resolution FTIR spectrometers of the NDACC” by F. Hase

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Thank you for a very interesting new approach on how to best alignment an FTIR instrument. There are two things I have been wondering about:

- One problem of the existing HBr and HCl cells is that the filling (despite the tiny amount) is considered a hazardous material and may not be transported by aircraft. That makes it very difficult to cross-validate cells between different instruments (or replace them). Will the proposed N₂O cells be easier to handle in that respect?

- You showed N₂O spectra in the 2200 cm⁻¹ range. Is there a way to use the N₂O cells with TCCON-only instruments that typically do not see below 4000 cm⁻¹?

Minor comment: p. 7708, l. 8: should be “IMECC” instead of “IMACC”.

Interactive comment on Atmos. Meas. Tech. Discuss., 4, 7699, 2011.

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Interactive Discussion

Discussion Paper