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Interactive Comment

## Interactive comment on "Influence of line mixing on the retrievals of atmospheric $CO_2$ from spectra in the 1.6 and 2.1 $\mu m$ regions" by J.-M. Hartmann et al.

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The actual improvements that can be achieved by modeling the line-mixing in atmospheric CO2 spectra have been described and quantified in: Niro et Al., Journal of Quantitative Spectroscopy & Radiative Transfer, 103, 14-26 (2007). It would be advisable to refer to these results in the introduction section.

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 4873, 2009.

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Interactive Discussion

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