Interactive comment on “Characterization of methane retrievals from the IASI space-borne sounder” by A. Razavi et al.

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This comment include the figures related to the reply to referees.

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Fig. 1. Fig A. The 3 areas represent 4 days of LMDZ profiles used to derive the a priori. 3 latitudinal bands are differentiated: Southern Hemisphere in blue, tropics in green and Northern Hemisphere in red.
Fig. 2. Fig B. The matrix form of the covariance has been added to the revised manuscript.
Fig. 3. Fig C. Comparison of averaging kernels when using the LMDZ Sa matrix and when using a Sa with decorrelated layers.
Fig. 4. Fig D. The total column averaging kernels are now plotted on “paper figure 5” in the revised manuscript.
Fig. 5. Fig E. Revised global distribution of methane illustrated on a 4x4° grid.
Fig. 6. Fig F. Simulation of the signal difference (in transmittance) with a 200 ppb methane enhancement near the Earth’s surface.
Fig. 7. Fig G. Revised figure with methane profiles retrieved from different spectral regions.