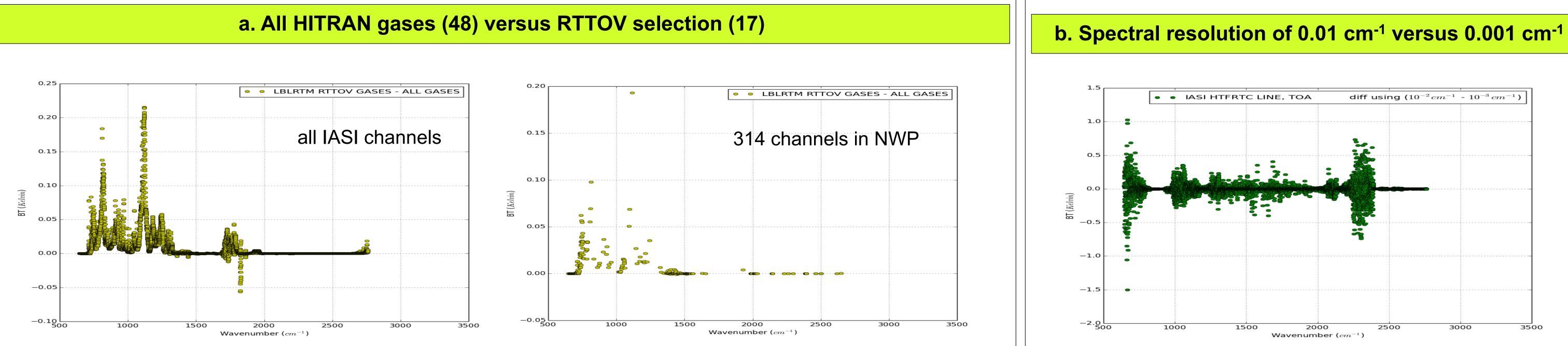
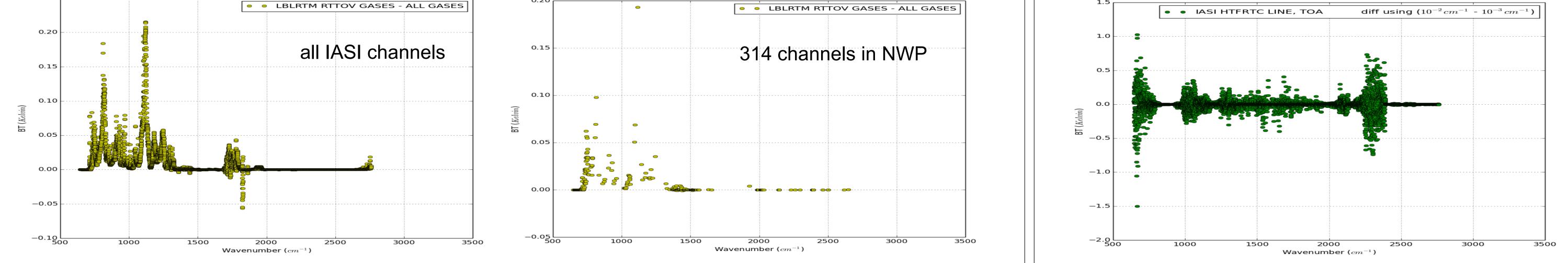
# Improvements to fast radiative transfer modelling of hyperspectral infrared sensors

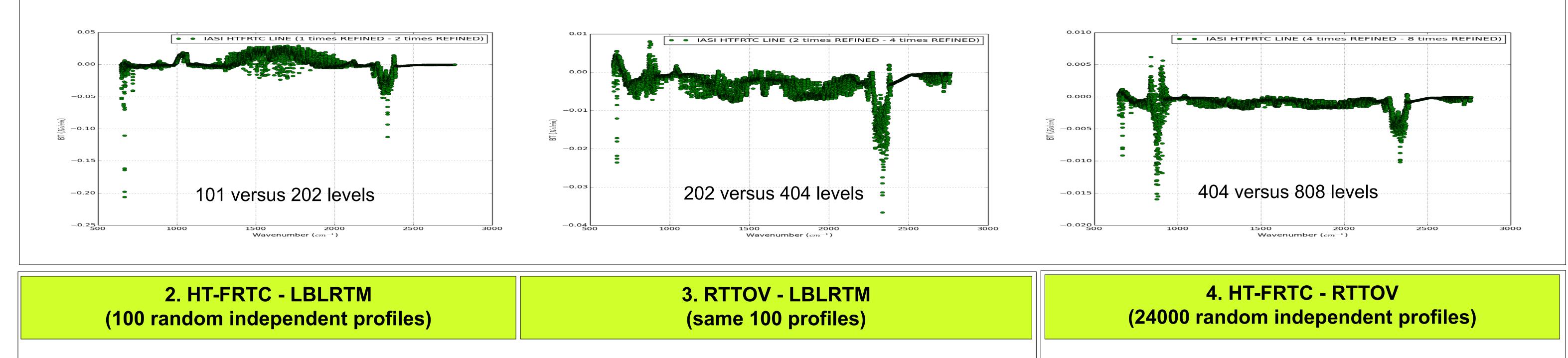
# Met Office Stephan Havemann

1. Potential sources of differences between models (for the comparisons the assumptions are identical across models, i.e. 17 RTTOV gases, 0.001 cm<sup>-1</sup>, 91 levels)



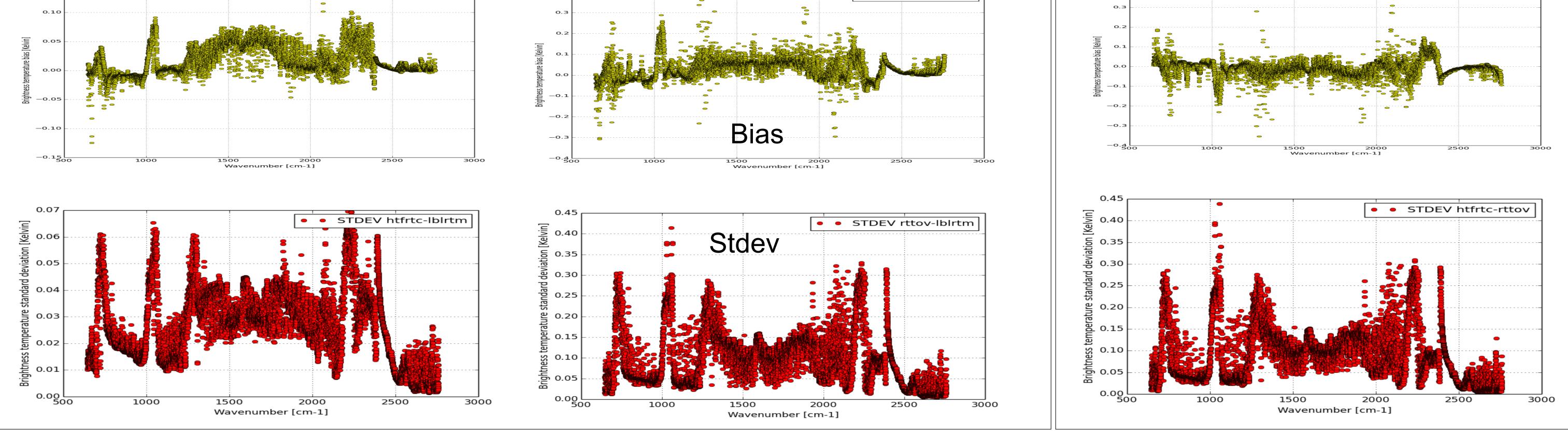


## c. Vertical resolution of the atmospheric profiles

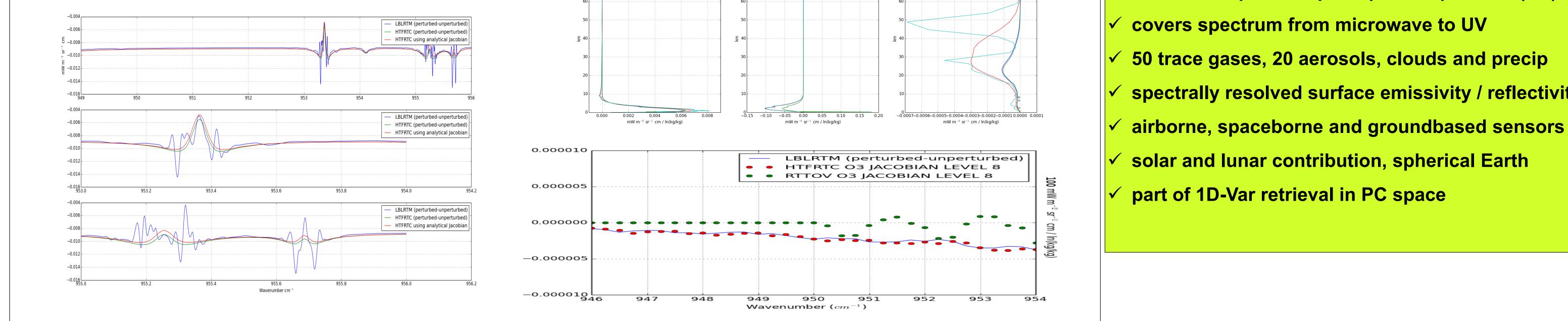


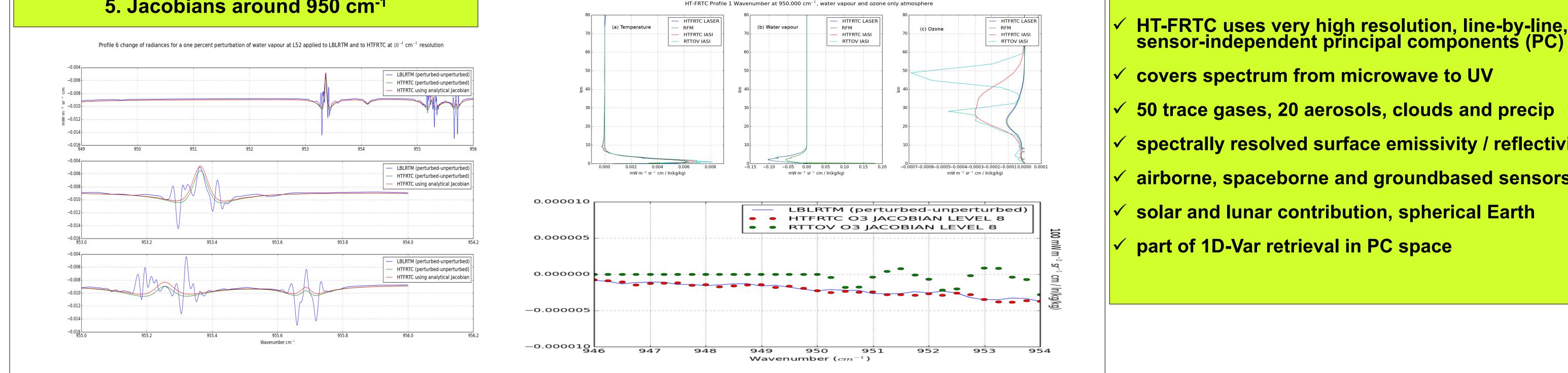
BIAS htfrtc-lblrtm 0.4 BIAS rttov-lblrtm

BIAS htfrtc-rttov



## 5. Jacobians around 950 cm<sup>-1</sup>





- ✓ spectrally resolved surface emissivity / reflectivity

Met Office FitzRoy Road, Exeter, Devon, EX1 3PB United Kingdom Tel: 01392 884648 Fax: 01392 885681 Email: stephan.havemann@metoffice.gov.uk



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