

Teledetection of water vapour isotopes in the atmosphere using satellite and groundbased FTS in infrared

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Abstract

Methods and key results regarding teledetection of isotopomers of water vapour in the atmosphere from satellite and groundbased Fourier Transform Spectrometers data obtained in GE&RS Lab in collaboration with groups from CCSR and NICT during 1999-2009 are presented. Uncertainties of the inverse problem and future plan of the research and expected results are discussed.