## The comparison of profiles of methane retrieved from Kiruna FTIR spectra using SFIT2 with correlative ILAS profiles

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SFIT2 is a computer algorithm that has been developed jointly by NIWA and NASA Langley. It can retrieve the Volume Mixing Ratio (VMR) profiles of minor species from ground-based FTIR spectra. We retrieved VMR profiles of CH4 from the ground-based FTIR spectra at Kiruna (67.84N, 20.41E) by using SFIT2, and compared them with already validated satellite data (from the ILAS onboard the ADEOS). In this presentation, we will report the results of a comparison between the retrieved VMR profiles from SFIT2 and correlative ILAS profiles.