



Strato-mesospheric O₃ measurements above polar and tropical regions

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Strato-mesospheric O₃ measurements above Ny Alesund, Spitsbergen (79 N), and Merida, Venezuela (8 N), are presented and compared to modelled data. The information is derived from microwave measurements. The instrument on Spitsbergen has been updated with a high resolution spectrometer which enhances the mesospheric profile information considerably.

The altitude information allows to analyse day to night courses of the high altitude ozone and to observe solar influences on the atmosphere.