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• Aerosol optical properties in the UV, its influence on radiation and health-risk effects

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## Text of Abstract

as well. In recent years satellite UV retrievals became more and more important due to their glo erage. However, UV retrievals from space are hampered by the fact that separating contribution the atmosphere and aerosol effects are difficult and rely on model assumptions. It is therefore importance to validate satellite based UV retrievals by ground based measurements. A siteous in Austria has been carried out in May and June of 2007 in the area of Vienna. The campaign covered by a number of radiation measurement devices. Additionally a Cimel type sun-photom operated to obtain aerosol optical properties. We show in the poster model studies by means of

ground-based UV measurements and to OMI satellite retrievals.

 A lot of research is currently undertaken to obtain a better understanding of aerosols in the atm and their influence on radiation and climate. The term "climate" is commonly referred to as longhaviour, however aerosols are strongly variable in time and space and often exhibit a local shortpact as well. It is recognized that not only ozone and clouds strongly influence UV radiation but

transfer codes including column integrated aerosol optical properties. The model results are con