Geophysical Research Abstracts, Vol. 7, 10497, 2005

SRef-ID: 1607-7962/gra/EGU05-A-10497 © European Geosciences Union 2005



Overview of aerosol/precipitation interactions

U. Lohmann

Institute for Atmospheric Science and Climate, Swiss Federal Institute of Technology, Zurich, Switzerland (ulrike.lohmann@env.ethz.ch/+41 1 633 1058)

Aerosols affect the climate system by changing cloud characteristics in many ways. They act as cloud condensation and ice nuclei, they may inhibit freezing and they could have an influence on the hydrological cycle. In this talk, I will give an overview of different ways in which aerosols interact with precipitation.