



Analysis of Aerosol Optical Thickness Retrievals from Satellite Data over large urban Agglomerations

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Urban aerosols have adverse health effects and the potential to affect the climate system. In this study Aerosol Optical Thickness (AOT) retrievals over land are performed to study the medium to long-term trends of aerosols in several large agglomerations (aka megacities) using SeaWiFS (Sea-viewing Wide Field-of-view Sensor) L1b data over one decade and MERIS (MEdium Resolution Imaging Spectrometer Instrument, on-board ENVISAT) L1/RR data for some years. The latter instrument provides better spectral and spatial resolution. Comparisons between the AOT results from SeaWiFS and MERIS will be shown as well as first blended trend results.