Tuesday, 24 June 2008

Session 4O: Aerosol Characterization and Direct and Indirect Effects on Climate - Oral Presentations
Co-Chairs: Eduardo Landulfo, Toshiyuki Murayama

S04O-01 10:05-10:30 Aerosol Profile Measurements from the NASA Langley Research Center

S04O-02 10:30-10:45 Saharan dust and biomass burning aerosol characterization: airborne high spectral resolution lidar observations over the Cape Verde Islands during SAMUM 2008 --- M. Esselborn, M. Wirth, A. Fix, P. Mahnke, G. Ehret

S04O-03 10:45-11:00 Development of Multi-Wavelength High-Spectral-Resolution Lidar and application of Spheroid models to aerosol retrieval from lidar measurements --- T. Nishizawa, N. Sugimoto, I. Matsui

S04O-04 11:00-11:15 Optical properties of Asian dust layers in the upper troposphere over Tsukuba, Japan observed with a high-spectral-resolution lidar --- B. Tatarov, N. Sugimoto, I. Matsui, A. Shimizu

S04O-05 11:15-11:30 Lidar Observations of Pure and Aged Saharan Dust During the Saharan Mineral Dust Experiment 1 and 2 --- M. Tesche, D. Althausen, D. Mueller, A. Ansmann

S04O-06 11:30-11:45 Asian dust and cirrus clouds properties as measured by Raman lidar and balloon-borne instruments --- T. Sakai, N. Orikasa, T. Nagai, M. Murakami, T. Tajiri, A. Saito, K. Yamashita, A. Hashimoto

S04O-07 11:45-12:00 Vertical profiles of optical and microphysical properties of atmospheric aerosol determined by inversion of multi-wavelength Raman lidar data --- Y. Noh, Y. Kim, D. Müller

S04O-08 12:00-12:15 Optical, microphysical and chemical properties of tropospheric aerosols retrieved by a 6-wavelength Raman lidar system during a biomass burning event over Athens, Greece --- A. Papayannis, R. E. Mamouri, A. Nenes, G. Tsaknakis, V. Amiridis, G. Georgoussis, G. Avdikos, C. Böckmann, L. Osterloh, K. Eleftheriadis, D. Böhme, A. Stohl