

International Radiation Symposium 2012

06 – 10 August 2012, Dahlem Cube, Berlin, Germany

Poster Programme 5

General Remote Sensing

Conveners: A. Larar , J. Schmetz , B. J. Sohn , W. L. Smith 

Chairperson: A. Larar



Cloud properties

Poster Hall

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A global climatology of the AIRS Version 6 cloud top microphysical properties

B. Kahn

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Comparison of Ice Cloud Properties Derived for CERES with Active Sensor Datasets

W. Smith, S. Kato, S. Sun-Mack, P. Minnis, M. Deng, G. Mace, and N. Wood

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Information content for cloud ice microphysics in the far-infrared radiance spectrum

A. Merrelli and D. D. Turner

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Submillimeter-wave ice clouds signatures predicted by numerical weather models

(withdrawn)

J. Mendrok, G. Holl, D. Kreyling, and S. A. Buehler

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Retrieval of cloud top and bottom heights using Advanced Earth Observing Satellite / Global Imager (ADEOS-II / GLI) data.

M. Kuji

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Droplet effective radius vertical profile retrieval in warm low level clouds from spectral reflectance measurements using optimal estimation technique

A. Kokhanovsky and V. Rozanov

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Combined Remote Sensing of Cloud Characteristics with Surface-based Radar, Lidar, All sky Imagers over Beijing, China

J. Liu, D. Lu, Y. Bi, Y. Yang, Y. Pan, Y. Li, and S. Duan

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Climatology of PARASOL Cloud Properties

F. Parol, J. Riedi, C. Vanbauce, C. Cornet, S. Zeng, F. Thieuleux, and N. Henriot

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Fast simulators for satellite cloud optical centroid pressure retrievals, 1. Evaluation of OMI cloud retrievals

J. Joiner, A. Vasilkov, P. Gupta, P.K. Bhartia, P. Veefkind, M. Sneep, J. de Haan, I. Polonsky, and R. Spurr

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A robust threshold-based cloud mask for METEOSAT SEVIRI's High Resolution Visible Channel

S. Bley and H. Deneke

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Cloud Properties from CERES Edition 4

P. Heck, P. Minnis, S. Sun-Mack, Q. Trepte, Y. Chen, F-L. Chang, Y. Yi, R. Arduini, R. Smith, S. Gibson, R. Brown, and E. Heckert

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Classification of clear-sky and cloudy scenes over oceans solely based on hyperspectral infrared radiance measurements

L. Song, X. L. Huang, and D. R. Lu

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Cloud base heights by ground based sky IR brightness temperature measurements compared with Cloud radar and Ceilometer in Shouxian

W. Zhang, D. Lu, and S. Duan

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Detection and Analysis of Deep Convective Clouds Using infrared and microwave Satellite Data

J. Liu, J. Bai, Y. Zhu, Z. Cheng, and L. Liu

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Application of a Method to Classify Precipitating Cloud Areas using Radar

W. Parichat and H. Tadahiro



Aerosol properties

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Presentation of 3MI the Multi-Viewing Multi-Channel Multi-Polarisation Imaging Mission of the EUMETSAT Polar System - Second Generation (EPS-SG) dedicated to aerosol characterisation.

T. Marbach, P. Phillips, and P. Schluessel

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Case studies for assessment of the CALIOP system products in the Brazilian territory for application in air quality of megacities

F.J.S. Lopes, E. Landulfo, and M. A. Vaughan

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Aerosol retrieval using geostationary satellite, COMS

M. Kim, J. Kim, J. Yoon, and J. Lee

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A development of an algorithm for atmospheric aerosol remote sensing with use of near ultraviolet band of GOSAT/TANSO-CAI

S. Fukuda, T. Nakajima, H. Takenaka, N. Kikuchi, A. Higurashi, H. Ishida, and T.Y. Nakajima

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Retrieval of single scattering albedo from satellite and in-situ observations

O. Zawadzka and K.M. Markowicz

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Satellite aerosol retrieval at high spatial resolution.

S. Mattoo, R Levy, L Munchak, L Remer, and B Holben

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★ **Developing algorithm for AOD and aerosol effective height using hyperspectral measurement, GEMS (Geostationary Environment Monitoring Spectrometer)**
S. S. Park, J. Kim, M. Kim, and H. Lee
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★ **The effects of ground-track only sampling of aerosol fields**
I. Geogdzhayev, B. Cairns, and M. Mishchenko
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★ **Assessment of aerosol hygroscopic growth using an elastic LIDAR and BRAMS simulation in urban metropolitan areas.**
P. Rodrigues, E. Landulfo, A. Gandu, F. Lopes, and R. Costa
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★ **Columnar aerosol characterization over Scandinavia and Svalbard**
C. Toledano, V.E. Cachorro, J. P. Ortiz de Galisteo, Y. Bennouna, A. Berjón, B. Torres, D. Fuertes, R. González, and A.M. de Frutos
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★ **A climate quality aerosol data set, algorithms and validation**
S. Nevens, N. Clerbaux, A. Velazquez, E. Baudrez, I. Decoster, A. Ipe, and S. Dewitte
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★ **Daily erythemal radiation validation of satellite retrievals using 14 ground-based stations in both hemispheres**
D. Mateos, J. Bilbao, A. Kudish, A.V. Parisi, G. Carbajal, A. di Sarra, R. Román, and A. de Miguel
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★ **Investigation of Volcanic Ash with Simulated Satellite Images Using the 3D Radiative Transfer Model MYSTIC**
M. Schmidl, B. Mayer, C. Emde, and R. Buras

