AeroCom and AeroSAT posters 2015

K.Aoki
Validation plan of GCOM-C1/SGLI satellite aerosol optical properties retrievals from ground-based and ship-borne sky radiometer

Y.Balkanski, L. Menut, S. Jourdain, E. Garnier, C. Eschstruth, M. Vrac, R. Vautard and P. Yiou
Simulation of the Laki volcano based upon analogs of winds

P.Colarco
Diversity of Aerosol Simulations in the NASA GEOS-5 Model: Impacts of Meteorology and Spatial Resolution

G.De Leeuw L. Sogacheva, P. Kolmonen, G. Saponaro, T.H. Virtanen, E. Rodriguez, K. Atlaskina and A.-M. Sundström
Retrieval of Aerosol and Cloud Properties from ATSR using ADV/ASV

M.Deushi K. Yoshida, H. Yoshimura and N. Oshima
Dependence of stratospheric mean age of air on model resolution and transport scheme in REF-C1 simulations

S.Dhomse G. Mann, K. Carslaw, J. Flemming, J.-J. Morcrette, R. Engelen, S. Remy, O. Boucher, W. Hewson and M. Woodhouse
Evaluation of global aerosol properties simulated by the high resolution coupled chemistry-aerosol-microphysics model C-IFS-GLOMAP

A.Di Noia
Application of neural networks to aerosol retrievals from PARASOL over ocean: First results

O.Dubovik
Detailed properties of aerosol retrieved from satellites using GRASP algorithm

M.Fiebig
Confronting AeroCom models with particle size distribution data from surface in situ stations, episode 2

M.Garay, M.A. Bull, D.J. Diner and E.G. Hansen
Resolution and Content Improvements to the MISR Operational Aerosol Product

S.Ghan
Constraining Cloud-Aerosol Interactions in Climate Models

E. Gryspeerdt
The aerosol optical depth - cloud fraction relationship in observations and global models

M.Grzegorski
Retrieval of aerosol optical properties over land using PMAp

H.C.Hansen J. Acosta-Navarro, V. Varma, I. Riipinen, , Ø. Seland , A. Kirkevåg, H. Struthers and T. Iversen
How does European aerosol emissions affect the Arctic climate?

O.Hasekamp
Polarimetric Remote Sensing of Atmospheric Aerosols

B.Johnson
Model and satellite reveal large aerosol-cloud interactions from Icelandic eruption Holuhraun

O.Jorba
Aerosol Modelling with the global online NMMB/BSC Chemical Transport Model

O.Kalashnikova F. Xu, C. Ge, J. Wang, M.J. Garay, D.J. Diner, Huikyo Lee, K. Suzuki, A. Braverman and R.A. Kahn
Constraining PM speciation by combining multiangular and polarimetric remote sensing with in-situ observations and chemical transport modeling

Climatology of component aerosol optical depth from MISR compared with atmospheric chemistry models

T.Keslake, M. Chipperfield, G. Mann, S. Dhomse. J. Flemming, S. Remy and W. Morgan
Biomass burning influences on atmospheric composition: a case study to assess the impact of aerosol and gas phase data assimilation

S.Kinne
Aerosol radiative effects and climate impact (radiative forcing)

Z.Kipling
Quantifying global aerosol effects on convection using the Convective Cloud Field Model (CCFM)

A.Kirkevag K. Alterskjær, A. Grini, T. Iversen, D. Olivie, Ø. Seland and M. Schulz
Preliminary estimates of Aerosol Effective Radiative Forcing in CAM5-Oslo/NorESM2

K.Knobelspiesse
Progress of the NASA ACE Mission Polarimeter Working Group instrument inter-comparison

H.Kokkola
Contribution of water to modeled aerosol direct effect

H.Korhonen
Model intercomparison of Remote Climate Impacts of anthropogenic Aerosols

C.Lacagnina
Aerosol Single Scattering Albedo over the global oceans: comparing PARASOL retrievals with AeroCom models estimates

L.Lee
Pinatubo Emulation in Multiple Models (POEMs): planned co-ordinated experiments for the SPARC Stratospheric Sulphur and it's Role in Climate initiative (SSiRC)

J.Mulcahy
Towards UKESM: Implementation and evaluation of the GLOMAP-Mode aerosol scheme

G.Mann
Evaluation of tropospheric aerosol properties from the UK Earth System Model against in-situ observations and multi-model ranges from the AeroCom aerosol microphysics intercomparison

The SSiRC Historical Eruption SO2 Emissions Assessment (HErSEA): intercomparison for interactive stratospheric aerosol models

Whole-atmosphere chemistry-aerosol-microphysics simulations of the Mt. Pinatubo eruption: Part 2: Quantifying the direct and indirect (dynamical) radiative forcings

L.Marshall
Disentangling the eruption source parameters that control the climate effects of volcanic eruptions

M.Michou, P.Nabat, L.Watson and D.Saint-Martin
Recent evolutions of the aerosol scheme in the CNRM climate model, in view of CMIP6 simulations

T.Mielonen
Does Increasing Temperature Increase Carbonaceous Aerosol Direct Radiative Effect over Boreal Forests?

J.Mollard
Constraining aerosol optical properties in AeroCom models and HadGEM3-UKCA using AERONET and POLDER observations

O.Morgenstern
The Deep South Clouds & Aerosols project: Improving the modelling of clouds in the Southern Ocean region

P.Nabat
Evaluation of the CNRM-CM aerosol scheme using the associated regional climate model CNRM-RCSM

D.Neubauer
Aerosol-cloud interactions in ECHAM6-HAM2 and the (A)ATSR dataset

D.Olivie
SLCP emission reduction: how to simultaneously improve air quality and limit climate change?

N.Oshima
Impact of black carbon aging on its spatial distribution and radiative effect using a MRI global aerosol model

X.Pan
Comparison of GFED, QFED and FEER biomass burning emissions datasets in a global model

H.Pearce
Nitrate Aerosol: Implications for European Air Quality and Climate Development

A.Rap
Impact of biomass burning aerosol on Amazon plant productivity through changes to diffuse radiation

M.Righi, V. Eyring, J. Hendricks, C. Kaiser and ESMValTool Development Team
Aerosol evaluation with the Earth System Model eValuation Tool: A community diagnostic and performance metrics tool.

S.Rumboldt
Ammonium nitrate aerosol in UKESM1

M.Sand
Aerosols at the poles

A.Sayer
Deep Blue aerosol updates in 2015

N. Schutgens
Will perfect models agree with perfect observations?

Comparing apples and oranges: the Community Intercomparison Suite

X.Shi
Effect of vertical fluctuations on estimating the anthropogenic aerosolindirect effects through cirrus clouds

J.Schwarz
Measurements of black carbon (BC) vertical profiles

S.Shim
Climate Effects of Aerosol-Cloud Interactions over East Asia

L.Sogacheva, P. Kolmonen, T.H. Virtanen, E. Rodriguez, G. Saponaro, A.-M. Sundström and G. de Leeuw
Cloud post-processing for the ADV/ASV AATSR aerosol retrieval algorithm: regional aspects

P.Stier
Limitations of passive satellite remote sensing to constrain global cloud condensation nuclei

T.Takemura
Integrated assessment on effects of short-lived climate pollutants (SLCPs) in Asia

Q.Tan, M. Chin, H. Bian and V. Aquila
Evaluation of modeled SO2 in the UTLS region with both satellite and aircraft data

O.Torres
Improved OMI record of 500 nm aerosol Single Scattering Albedo

K.Tsigaridis
Organic aerosol volatility parameterizations and their impact on atmospheric composition and climate

S.Tsyro
Aerosols in the EMEP model: evaluation and experiments using integrated observations

D.Winker
All-sky aerosol direct radiative effect and impact of uncertainties in aerosol properties

Y.Xue
Inter-comparison of three AATSR L2 AOD products over China" for AeroSat

H.Zhang
The updated effective radiative forcing of major anthropogenic aerosols and their effects on global climate at present and in the future