

LAC Publications 2006

Journal Articles 2006

Aklilu, Y., M. Mozurkewich, A. J. Prenni, S. M. Kreidenweis, M. R. Alfarra, J. D. Allan, K. Anlauf, J. Brook, W. R. Leitch, S. Sharma, H. Boudries, and D. R. Worsnop, 2006: **Hygroscopicity of particles at two rural, urban influenced sites during Pacific 2001: Comparison with estimates of water uptake from particle composition.** *Atmos. Environ.*, **40**, 2650-2661.

Alfarra, M. R., D. Paulsen, M. Gysel, A. A. Garforth, J. Dommen, A. S. H. Prevot, D. R. Worsnop, U. Baltensperger, and H. Coe, 2006: **A mass spectrometric study of secondary organic aerosol formed from the photooxidation of anthropogenic and biogenic precursors in a reaction chamber.** *Atmos. Chem. Phys.*, **6**, 5279-5293.

Allan, J. D., M. R. Alfarra, K. N. Bower, H. Coe, J. T. Jayne, D. R. Worsnop, P. P. Aalto, M. Kulmala, T. Hyötyläinen, F. Cavalli, and A. Laaksonen, 2006: **Size and composition measurements of background aerosol and new particle growth in a Finnish forest during QUEST 2 using an Aerodyne aerosol mass spectrometer.** *Atmos. Chem. Phys.*, **6**, 315-327.

Coe, H., J. D. Allan, M. R. Alfarra, K. N. Bower, M. J. Flynn, G. B. McFiggans, D. O. Topping, P. I. Williams, C. D. O'Dowd, M. Dall'Osto, D. C. S. Beddows, and R. M. Harrison, 2006: **Chemical and physical characteristics of aerosol particles at a remote coastal location, Mace Head, Ireland, during NAMBLEX.** *Atmos. Chem. Phys.*, **6**, 3289-3301.

Cubison, M. J., M. R. Alfarra, J. Allan, K. N. Bower, H. Coe, G. B. McFiggans, J. D. Whitehead, P. I. Williams, Q. Zhang, J. L. Jimenez, J. Hopkins, and J. Lee, 2006: **The characterisation of pollution aerosol in a changing photochemical environment.** *Atmos. Chem. Phys.*, **6** 5573-5588.

Drewnick, F., J. Schneider, S. S. Hings, N. Hock, K. Noone, A. Targino, S. Weimer, and S. Borrmann, 2006: **Measurement of Ambient, Interstitial, and Residual Aerosol Particles on a Mountaintop Site in Central Sweden using an Aerosol Mass Spectrometer and a CVI.** *Atmos. Chem.*, doi: 10.1007/s10874-006-9036-8.

Fisseha, R., J. Dommen, K. Gaeggeler, E. Weingartner, V. Samburova, M. Kalberer, and U. Baltensperger, 2006: **Online gas and aerosol measurement of water soluble carboxylic acids in Zurich.** *Geophys. Res.*, **111**, D12316, doi:10.1029/2005JD006782.

Fisseha, R., J. Dommen, L. Gutzwiller, E. Weingartner, M. Gysel, C. Emmenegger, M. Kalberer, and U. Baltensperger, 2006: **Seasonal and diurnal characteristics of water soluble inorganic compounds in the gas and aerosol phase in the Zurich area.** *Atmos. Chem. Phys.*, **6**, 1895-1904.

Fisseha, R., M. Saurer, M. Jäggi, R. T. W. Siegwolf, S. Szidat, and U. Baltensperger, 2006: **Determination of stable carbon isotopes of organic acids and carbonaceous aerosols in the atmosphere.** *Rapid Commun. Mass Spectrom.*, **20**, 2343-2347.

Flamant, C., P. Drobinski, M. Furger, B. Chimani, S. Tschannett, R. Steinacker, A. Protat, H. Richner, S. Gubser, and C. Häberli, 2006: **Föhn/cold-pool interactions in the Rhine valley during MAP IOP 15.** *Quart. J. Roy. Meteor. Soc.*, **132**, 3035-3058.

Grisogono, B., B. Ivancan-Picek, and M. Furger, 2006: **Editorial: International Conference on Alpine Meteorology and MAP Meeting 23-27 May 2005, Zadar, Croatia.** *Meteorologische Zeitschrift*, **15**, 131-131 doi:10.1127/0941-2948/2006/0115.

Gross, D. S., M. E. Gälli, M. Kalberer, A. S. H. Prevot, J. Dommen, J. Duplissy, A. Gascho, A. Metzger, M. R. Alfarra,

K. Gaeggeler, and U. Baltensperger, 2006:

Real time measurement of oligomeric species in secondary organic aerosol with the aerosol time-of-flight mass spectrometer.

Anal. Chem., **78**.

Heard, D. E., K. A. Read, J. Methven, S. Al-Haider, W. J. Bloss, G. P. Johnson, M. J. Pilling, P. W. Seakins, S. C. Smith, R. Sommariva, J. C. Stanton, T. J. Still, T. Ingham, B. Brooks, G. De Leeuw, A. V. Jackson, J. B. McQuaid, R. Morgan, M. H. Smith, L. J. Carpenter, N. Carslaw, J. Hamilton, J. R. Hopkins, J. D. Lee, A. C. Lewis, R. M. Purvis, D. J. Wevill, N. Brough, T. Green, G. Mills, S. A. Penkett, J. M. C. Plane, A. Saiz-Lopez, D. Worton, P. S. Monks, Z. Fleming, A. R. Rickard, M. R. Alfarra, J. D. Allan, K. N. Bower, H. Coe, M. Cubison, M. Flynn, G. McFiggans, M. Gallagher, E. G. Norton, C. D. O'Dowd, J. Shillito, D. Topping, G. Vaughan, P. Williams, M. Bitter, S. M. Ball, R. L. Jones, I. M. Povey, S. O'Doherty, P. G. Simmonds, A. Allen, R. P. Kinnersley, D. C. S. Beddows, M. Dall'Osto, R. M. Harrison, R. J. Donovan, M. R. Heal, S. G. Jennings, C. Noone, and G. Spain, 2006:

The North Atlantic Marine Boundary Layer Experiment (NAMBLEX). Overview of the campaign held at Mace Head, Ireland, in summer 2002.

Atmos. Chem. Phys., **6**, 2241-2272.

Heintzenberg, J., A. Wiedensohler, T. M. Tuch, D. S. Covert, P. Sheridan, J. A. Ogren, J. Gras, R. Nessler, C. Kleefeld, N. Kalivitis, V. Aaltonen, R.-T. Wilhelm, and M. Havlicek, 2006:

Intercomparisons and aerosol calibrations of 12 commercial intergrating nephelometers of three manufactures.

Journal of Atmospheric and Oceanic Technology, **23**, 902-914.

Hoch, G., and S. G. Keel, 2006:

¹³C labelling reveals different contributions of photoassimilates from infructescences for fruiting in two temperate forest tree species.

Plant Biology, **8**, 606-614.

Imhof, D., E. Weingartner, A. S. H. Prevot, C. Ordonez, R. Kurtenbach, P. Wiesen, J. Rodler, P. Sturm, I. McCrae, M. Ekstrom, and U. Baltensperger, 2006:

Aerosol and NO_x emission factors and submicron particle number size distributions in two road tunnels with different traffic regimes.

Atmos. Chem. Phys., **6**, 2215-2230.

Jäggi, M., C. Ammann, A. Neftel, and J. Fuhrer, 2006:

Environment control of profiles of ozone concentration in a grassland canopy.

Atmos. Environ., **40**, 5496-5507.

Jenet, A., S. Fernandez-Rivera, A. Tegegne, H. R. Wettstein, M. Senn, M. Saurer, W. Langhans, and M. Kreuzer, 2006:

Evidence for different nutrient partitioning in Boran (*Bos indicus*) and Boran x Holstein cows when re-allocated from low to high or from high to low feeding level.

Journal of Veterinary Medicine Series a-Physiology Pathology Clinical Medicine, **53**, 383-393.

Jenk, T. M., S. Szidat, M. Schwikowski, H. W. Gäggeler, S. Brüttsch, L. Wacker, H.-A. Synal, and M. Saurer, 2006:

Radiocarbon analysis in an Alpine ice core: record of anthropogenic and biogenic contributions to carbonaceous aerosols in the past (1650-1940).

Atmos. Chem. Phys., **6**, 5381-5390.

Keel, S. G., R. T. W. Siegwolf, and C. Körner, 2006:

Canopy CO₂ enrichment permits tracing the fate of recently assimilated carbon in a mature deciduous forest.

New Phytologist, **172**, 319-329.

Kurz-Besson, C., D. Otieno, R. L. do Vale, R. Siegwolf, M. Schmidt, A. Herd, C. Nogueira, T. S. David, J. S. David, J. Tenhunen, J. S. Pereira, and M. Chaves, 2006:

Hydraulic lift in cork oak trees in a savannah-type Mediterranean ecosystem and its contribution to the local water balance.

Plant and Soil, **282**, 361-378.

Lu, G., J. R. Brook, M. R. Alfarra, K. Anlauf, W. R. Leitch, S. Sharma, D. Wang, D. R. Worsnop, and L. Phinney, 2006:

Identification and characterization of inland ship plumes over Vancouver, BC.

Atmos. Environ., **40**, 2767-2782.

McFiggans, G., P. Artaxo, U. Baltensperger, H. Coe, M. Facchini, G. Feingold, S. Fuzzi, M. Gysel, A. Laaksonen, U.

Lohmann, T. F. Mentel, D. M. Murphy, C. D. O'Dowd, J. R. Snider, and E. Weingartner, 2006:
The effect of physical and chemical aerosol properties on warm cloud droplet activation.
Atmos. Chem. Phys., **6**, 2593-2649.

Obrist, D., F. Conen, R. Vogt, R. Siegwolf, and C. Alewell, 2006:
Estimation of Hg-0 exchange between ecosystems and the atmosphere using Rn-222 and Hg-0 concentration changes in the stable nocturnal boundary layer.
Atmos. Environ., **40**, 856-866.

Ordóñez, C., A. Richter, M. Steinbacher, C. Zellweger, H. Nüss, J. P. Burrows, and A. S. H. Prevot, 2006:
Comparison between 7 years of satellite-borne and ground-based tropospheric NO₂ measurements around Milan, Italy.
Geophys. Res., **D05310**, doi:10.1029/2005JD006305.

Otieno, D. O., C. Kurz-Besson, J. Liu, M. W. T. Schmidt, R. V. L. Do, T. S. David, R. Siegwolf, J. S. Pereira, and J. D. Tenhunen, 2006:
Seasonal variations in soil and plant water status in a *Quercus suber* L. Stand: roots as determinants of tree productivity and survival in the mediterranean-type ecosystem.
Plant and Soil, **283**, 119-135.

Paulsen, D., E. Weingartner, M. R. Alfarra, and U. Baltensperger, 2006:
Volatility measurements of photochemically and nebulizer-generated organic aerosol particles.
Aerosol Sci., **37**, 1025-1051.

Providoli, I., H. Bugmann, R. Siegwolf, N. Buchmann, and P. Schleppi, 2006:
Pathways and dynamics of (NO₃-)N-15 and (NH₄⁺)-N-15 applied in a mountain *Picea abies* forest and in a nearby meadow in central Switzerland.
Soil Biology & Biochemistry, **38**, 1645-1657.

Richner, H., K. Baumann, B. Benech, H. Berger, B. Chimani, M. Dorninger, P. Drobinski, M. Furger, S. Gubser, T. Gutermann, C. Häberli, E. Häller, M. Lothon, V. Mitev, D. Ruffieux, G. Seiz, R. Steinacker, S. Tschannett, S. Vogt, and R. Werner, 2006:
Unstationary aspects of foehn in a large valley. Part I: Operational setup, scientific objectives and analysis of the cases during the Special Observing Period of the MAP subprogramme FORM.
Meteor. Atmos. Phys., **92**, 255-284, doi: 10.1007/s00703-005-0134-y.

Roig, F. A., R. Siegwolf, and J. A. Boninsegna, 2006:
Stable oxygen isotopes (δ O-18) in *Austrocedrus chilensis* tree rings reflect climate variability in northwestern Patagonia, Argentina.
International J. Biometeorology, **51**, 97-105.

Ruffieux, D., and M. Furger, 2006:
Editorial: The COST 720 TUC experiment.
Meteorologische Zeitschrift, **15**, 3-4 doi: 10.1127/0941-2948/2006/0103.

Schleppi, P., I. Bucher-Wallin, M. Saurer, M. Jäggi, and W. Landolt, 2006:
Citric acid traps to replace sulphuric acid in the ammonia diffusion of dilute water samples for 15N analysis.
Rapid Commun. Mass Spectrom., **20**, 629-634.

Schneider, J., S. S. Hings, B. N. Hock, S. Weimer, S. Borrmann, M. Fiebig, A. Petzold, R. Busen, and B. Kärcher, 2006:
Aircraft-based operation of an aerosol mass spectrometer measurements of tropospheric aerosol composition.
Aerosol Sci., **37**, doi:10.1016/j.aerosci.2005.07.002.

Schneider, J., S. Weimer, F. Drewnick, S. Borrmann, G. Helas, P. Gwaze, O. Schmid, M. O. Andreae, and U. Kirchner, 2006:
Mass spectrometric analysis and aerodynamic properties of various types of combustion-related aerosol particles.
International J. Mass Spectrometry, **258**, doi: 10.1016/j.ijms.2006.07.008.

Szidat, S., T. M. Jenk, H.-A. Synal, M. Kalberer, L. Wacker, I. Hajdas, A. Kasper-Giebl, and U. Baltensperger, 2006:
Contributions of fossil fuel, biomass-burning, and biogenic emissions to carbonaceous aerosols in Zurich as traced by ¹⁴C.

J. Geophys. Res., **111**, doi:10.1029/2005JD006590.

Verheggen, B., and M. Mozurkewich, 2006:

An inverse modeling procedure to determine particle growth and nucleation rates from measured aerosol size distributions.

Atmos. Chem. Phys., **6**, 2927-2942.

Vlasenko, A., S. Sjogren, E. Weingartner, K. Stemmler, H. W. Gaggeler, and M. Ammann, 2006:

Effect of humidity on nitric acid uptake to mineral dust aerosol particles.

Atmos. Chem. Phys., **6**, 2147-2160.

Weimer, S., F. Drewnick, O. Högrefe, J. J. Schwab, K. Rhoads, D. Orsini, M. Canagaratna, D. R. Worsnop, and K. L. Demerjian, 2006:

Size-selective nonrefractory ambient aerosol measurements during the Particulate Matter Technology Assessment and Characterization Study - New York 2004 Winter Intensive in New York City.

Geophys. Res., **111**, doi:10.1029/2006JD007215.

Books / Book Sections 2006

Treydte, K., G. H. Schleser, J. Esper, L. Andreu, T. Bednarz, J. Berninger, T. Böttger, C. D. D'Allessandro, N. Ethien, M. Filot, D. Frank, M. Grabner, E. Gutierrez, M. Haupt, G. Helle, H. Jungner, M. Kalela-Brundin, M. Leuenberger, N. Loader, V. Masson-Delmotte, A. Pazdur, O. Planells, R. Pukiene, C. Reynolds, K. Rinne, M. Saurer, E. Soninen, M. Stievenard, R. Switsur, M. Szczepanek, L. Todaro, J. Waterhouse, M. Weigl, and R. Wimmer, 2006:

The European isotope network ISONET – first results.

Tree rings in archaeology, climatology and ecology, TRACE, H. I. (Ed.), 273-280.

Conference Proceedings 2006

Alfarra, M. R., A. S. H. Prevot, J. Sandradewi, J. Duplissy, A. Metzger, J. Dommen, E. Weingartner, and U. Baltensperger, 2006:

Field and smog chamber measurements of organic aerosols in Switzerland.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1505.

Andreani-Aksoyoglu, S., J. Keller, A. S. H. Prévôt, and U. Baltensperger, 2006:

Modeling of secondary aerosols in the north and the south of the Alps.

Advanced Atmospheric Aerosol Symposium, Milan, Italy, 12-15 November

Andreani-Aksoyoglu, S., J. Keller, A. S. H. Prévôt, U. Baltensperger, and J. Flemming, 2006:

Modeling of secondary aerosols in Switzerland in summer 2003.

28th NATO/CCMS International Technical Meeting on Air Pollution Modelling and its Application, Leipzig, Germany, May 15-19

Andreani-Aksoyoglu, S., J. Keller, A. S. H. Prévôt, and U. Baltensperger, 2006:

Secondary aerosols in the north and the south of the Alps: A modeling study.

IGAC/CACGP/WMO Symposium, Cape Town, South Africa, 25-29 September

Andreani-Aksoyoglu, S., J. Keller, C. Ordóñez, and A. S. H. Prévôt, 2006:

Effects of emission controls between 1985-2000 on ozone in Switzerland: Modeling and observations.

IGAC/CACGP/WMO Symposium, Cape Town, South Africa, September 25-29

Baltensperger, U., 2006:

Primary and secondary organic aerosols: recent results from smog chamber and field experiments.

7th Informal Conference on Atmospheric and Molecular Science, Helsingør, Denmark, June 9-11

Bukowiecki, N., M. Hill, R. Gehrig, P. Lienemann, F. Hegedüs, G. Falkenberg, E. Weingartner, M. Furger, and U. Baltensperger, 2006:

Characterization of atmospheric aerosols with synchrotron radiation.

Workshop on X-ray absorption spectroscopy and micro-spectroscopic techniques, Villigen, Switzerland, February 20-21 Paul Scherrer Institut.

Cozic, J., 2006:

The Fate of Black Carbon in the Atmosphere: Its incorporation into cloud droplets and ice crystals.

ASEFI 2006, Arcachon, France, October

Cozic, J., B. Verheggen, U. Baltensperger, and E. Weingartner, 2006:

The fate of Black Carbon in the atmosphere: Rapid removal by wet deposition after aging.

10th ETH-Conference on Combustion generated nanoparticles, Zürich, Switzerland, August

Cozic, J., B. Verheggen, S. Mertes, P. Connolly, K. Bower, A. Petzold, U. Baltensperger, and E. Weingartner, 2006:

Black carbon contribution to the aerosol phase and its scavenged fraction in mixed phase clouds at the high alpine site Jungfrauoch (3580m asl).

75th anniversary of the High Altitude Research Station Jungfrauoch, Interlaken, Switzerland, September

Cozic, J., B. Verheggen, S. Mertes, M. Flynn, P. Connolly, K. Bower, A. Petzold, U. Baltensperger, and E. Weingartner, 2006:

Black Carbon Contribution to the Aerosol Phase and its Scavenged Fraction in Mixed Phase Clouds at the High Alpine Site Jungfrauoch (3580m asl).

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1393.

Duplissy, J., S. Sjoegren, A. Metzger, M. Gysel, M. R. Alfarra, J. Dommen, A. S. H. Prevot, E. Weingartner, and U. Baltensperger, 2006:

Hygroscopic properties of Secondary Organic Aerosol generated in a smog chamber.

European Geophysical Union Assembly (EGU), Vienna, Austria, April Geophysical Research Abstracts, 5997.

Furger, M., A. S. H. Prévôt, M. R. Alfarra, J. Sandradewi, S. Weimer, U. Baltensperger, V. Lanz, C. Hueglin, B. Buchmann, M. Wehrli, and S. Szidat, 2006:

Feinstaub-Episoden im Winter 2005/06.

SGM Jahrestagung, Zürich, Switzerland, October 4 MeteoSwiss, 5.

Gross, D., M. Gälli, M. Kalberer, A. S. H. Prevot, J. Dommen, M. R. Alfarra, J. Duplissy, A. Gascho, K. Gaeggeler, A. Metzger, and U. Baltensperger, 2006:

Real-time Detection of Oligomers in Secondary Organic Aerosol with the Aerosol Time-of-Flight Mass Spectrometer.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1561.

Hueglin, C., C. Ordonez, S. Henne, A. S. H. Prevot, and B. Buchmann, 2006:

Meteorologically adjusted long-term trends (1991 to 2004) of PM10 in Switzerland.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1834.

Mertes, S., B. Verheggen, S. Walter, M. Ebert, P. Connolly, J. Schneider, K. N. Bower, J. Cozic, A. Worringer, and E. Weingartner, 2006:

Counterflow virtual impactor based collection of small ice particles in mixed-phase clouds for the physico-chemical characterisation of tropospheric ice nuclei.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1363.

Nessler, R., P. J. Sheridan, J. A. Ogren, E. Weingartner, and A. Hannemann, 2006:

Effect of humidity on filter-based measurement of aerosol light absorption.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 434.

Petzold, A., B. Weinzierl, M. Fiebig, M. Lichtenstern, P. Lauer, C. Gurk, K. Franke, and E. Weingartner, 2006:

Particle Emissions from Ship Engines: Emission Properties and Transformation in the Marine Boundary Layer.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1271.

Prevot, A. S. H., A. Aiken, M. R. Alfarra, A. Brunner, P. De Carlo, J. Dommen, F. Drewnick, E. Dunela, K. Gaeggeler, A. Gascho, D. Gross, S. Hings, J.-L. Jimenez, M. Jocher, J. Kimmel, A. Metzger, P. Monks, M. Northway, A. Trimborn, D. Worsnop, K. Wyche, and U. Baltensperger, 2006:

The MS-CHAOS at PSI (Mass Spectrometers for the Chemical Analysis of Organic Substances at the smog chamber of the Paul Scherrer Institut).

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1091.

Prevot, A. S. H., M. R. Alfarra, S. Szidat, and U. Baltensperger, 2006:

Distinction of fossil and non-fossil particle carbon by ^{14}C analysis and distinction of primary and oxygenated aerosol by aerosol mass spectrometry.

Advanced Atmospheric Aerosol Symposium, Milano, November 12-15, AIDIC, Chemical Engineering Transactions, 77-82.

Prevot, A. S. H., J. Sandradewi, M. R. Alfarra, K. Gaeggeler, J. Dommen, S. Weimer, C. Mohr, M. Furger, E.

Weingartner, S. Szidat, G. Legreid, M. Hill, S. Reimann, A. Caseiro, A. Kasper-Giebl, H. Puxbaum, A. Veres, S. Bozoki, D. Gross, and U. Baltensperger, 2006:

Aerosols from wood burning versus traffic in Alpine valleys (AEROWOOD project).

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15, 1242.

Saurer, M., 2006:

Global change impacts detected by stable isotope analysis.

4th Global Geoscience Meeting, Bern 2006, November 24-25.

Schneider, J., S. Walter, J. Curtius, S. Borrmann, S. Mertes, E. Weingartner, B. Verheggen, J. Cozic, and U. Baltensperger, 2006:

Chemical composition measurements of ice nuclei in mixed phase tropospheric clouds during the Cloud and Aerosol Characterization Experiments CLACE.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1356.

Szidat, S., T. M. Jenk, H.-A. Synal, L. Wacker, M. Kalberer, A. S. H. Prevot, and U. Baltensperger, 2006:

Radiocarbon Measurements in Organic Carbon (OC) and Elemental Carbon (EC) Reveal Unexpectedly High Contributions from Residential Wood Burning in Switzerland.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15, 1567.

Vana, M., A. Hirsikko, E. Tamm, P. Aalto, M. Kulmala, B. Verheggen, J. Cozic, E. Weingartner, and U. Baltensperger, 2006:

Characteristics of Air Ions and Aerosol Particles at the High Alpine Research Station Jungfrauoch.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1427.

Verheggen, B., J. Cozic, E. Weingartner, M. Vana, P. Aalto, A. Hirsikko, M. Kulmala, and U. Baltensperger, 2006:

Observations of Atmospheric Nucleation Events in the Lower Free Troposphere.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1415.

Verheggen, B., J. Duplissy, A. Metzger, J. Dommen, E. Weingartner, A. Prevot, and U. Baltensperger, 2006:

Aerosol Formation from Isoprene: Determination of Particle Nucleation and Growth Rates from measured Size Distributions.

Formation and growth of atmospheric aerosols, Minneapolis, September 8-9

Verheggen, B., E. Weingartner, J. Cozic, M. Vana, P. Aalto, A. Hirsikko, M. Kulmala, and U. Baltensperger, 2006:

Nucleation Events at a high Alpine Site: Particle Growth and Nucleation Rates.

Formation and growth of atmospheric aerosols, Minneapolis, September 8-9

Vesna, O., S. Sjogren, E. Weingartner, M. Kalberer, K. Stemmler, H. W. Gäggeler, and M. Ammann, 2006:

The Reactions of unsaturated Fatty Acids Aerosol with Ozone: Products Formation and Hygroscopic Properties of the Processed Aerosol.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1486.

Weimer, S., M. C., M. Mohr, and A. S. H. Prévôt, 2006:

Investigation of road traffic emissions in Southern Switzerland using a mobile laboratory.

Conference on Combustion Generated Nanoparticles, ETH, Zurich.

Weimer, S., C. Mohr, A. S. H. Prévôt, and M. Mohr, 2006:

Investigation of road traffic and woodburning emissions in Switzerland using a mobile laboratory.

International Conference on Transport, Atmosphere and Climate, Oxford UK, September 22.

Weingartner, E., 2006:

Erkenntnisse aus dem GAW-Aerosolprogramm am Jungfrauoch.

Feinstaub in der Schweiz, EMPA Dübendorf, January 20

Weingartner, E., 2006:

Verhalten von Aerosolen in der realen Atmosphäre.

München, May 15-17, HDT Seminar, Minimierung der Partikelemissionen von Dieselfahrzeugen

Weingartner, E., B. Verheggen, J. Cozic, M. Gysel, S. Sjogren, J. Duplissy, U. Baltensperger, U. Lohmann, S. Mertes, K. N. Bower, M. Flynn, P. Connolly, J. Crosier, J. Crosier, M. Gallagher, H. Coe, T. Choularton, S. Walter, J. Schneider, J. Curtius, S. Borrmann, A. Petzold, M. Ebert, M. Innerle-Hof, A. Worringer, S. Weinbruch, E. Fries, E. Starokozhev, W. Püttmann, W. Jaeschke, M. Vana, A. Hirsikko, E. Tamm, P. Aalto, and M. Kulmala, 2006:

Aerosol-Cloud Interactions in the Lower Free Troposphere as Measured at the High Alpine Research Station Jungfrauoch in Switzerland.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15 1383.

Weinzierl, B., A. Petzold, M. Fiebig, H. Huntrieser, A. Minikin, A. Stohl, E. Real, K. Law, J. Cozic, and E. Weingartner, 2006:

Properties of Aged Forest Fire Plumes after Intercontinental Transport across the Atlantic Ocean.

7th International Aerosol Conference, St. Paul, Minnesota, USA, September 10-15, 1455.

Theses 2006

Bantelmann, E., 2006:

Biosphere-Atmosphere CO₂ exchange in a mountainous grassland ecosystem investigated with stable carbon and oxygen isotopes.

PhD thesis, ETH Zurich, 134 pp.

Keel, S. G., 2006:

The fate of recently assimilated carbon in mature deciduous forest trees.

PhD thesis, Basel, 143 pp.

Legreid, G., 2006:

Oxygenated Volatile Organic Compounds (OVOCs) on Switzerland: From the Boundary layer to the Unpolluted Troposphere

PhD thesis, ETH Zürich, ETH No.16982

Ordóñez, C., 2006:

Trend analysis of ozone and evaluation of nitrogen dioxide satellite data in the troposphere over Europe.

PhD thesis, ETH Zürich, ETH No. 16544

van Ekeren, S., 2006:

Characterization of an expansion-type cloud condensation nuclei chamber

PhD thesis, ETH Zürich, ETH No. 16944

Newspaper Articles 2006

Brugg-Online, 2006:

Intensive Forschung - jetzt ist handeln gefragt.

Brugg-Online. ([pdf File](#), 180 kB)

last updated: 2007-07-05

Copyright ©: markus.furger@psi.ch, 05.07.2007, http://lac.web.psi.ch/LAC_Publications/2006/LAC_Publ_2006.html
a Paul Scherrer Institute Site. All rights reserved.
