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Informations complémentaires

Publications HAL de Alfons,SCHWARZENBOECK de la collection PRES_CLERMONT

2024

titre

Coordinated observations of the water cycle of marine cold-air outbreaks in the European Arctic during the ISLAS 2022 field campaign(https://insu.hal.science/insu-04511787)

auteur

Harald Sodemann, Iris Thurnherr, Andrew Seidl, Alena Dekhtyareva, Aina Johannessen, Marvin Kähnert, Mari Steinslid, Sander Løklingholm, Lars Hole, Paul Voss, Lukas Papritz, Marina Dütsch, Robert David, Tim Carlsen, David Chandler, Patrick Chazette, Julien Totems, Alfons Schwarzenboeck, Franziska Hellmuth, Julien Delanoë

article

EGU General Assembly 2024, Apr 2024, Vienna, Austria. pp.EGU24-14866,, 10.5194/egusphere-egu24-14866(https://dx.doi.org/10.5194/egusphere-egu24-14866)

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titre

Cyclogenesis in the Tropical Atlantic: First Scientific Highlights from the Clouds–Atmospheric Dynamics–Dust Interactions in West Africa (CADDIWA) Field Campaign(https://insu.hal.science/insu-04475007)

auteur

Cyrille Flamant, Jean-Pierre Chaboureau, Julien Delanoë, Marco Gaetani, Cédric Jamet, Christophe Lavaysse, Olivier Bock, Maurus Borne, Quitterie Cazenave, Pierre Coutris, Juan Cuesta, Laurent Menut, Clémantyne Aubry, Angela Benedetti, Pierre Bosser, Sophie Bounissou, Christophe Caudoux, Hélène Collomb, Thomas Donal, Guy Febvre, Thorsten Fehr, Andreas H Fink, Paola Formenti, Nicolau Gomes Araujo, Peter Knippertz, Eric Lecuyer, Mateus Neves Andrade, Cédric Gacial Ngoungué Langué, Tanguy Jonville, Alfons Schwarzenboeck, Azusa Takeishi

article

Bulletin of the American Meteorological Society, 2024, 105 (2), pp.E387 - E417. 10.1175/bams-d-23-0230.1(https://dx.doi.org/10.1175/bams-d-23-0230.1)

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2023

titre

Overview and first analysis of the in situ microphysical measurement dataset collected during the CADDIWA mission(https://insu.hal.science/insu-04464484)

auteur

Pierre Coutris, Guy Febvre, Louis Jaffeux, Clément Bazantay, Clémantyne Aubry, Christophe Caudoux, Julien Delanoë, Alfons Schwarzenboeck, Cyrille Flamant

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EGU23, the 25th EGU General Assembly, May 2023, Vienna and Online, Austria. pp.id. EGU-13084, 10.5194/egusphere-egu23-13084(https://dx.doi.org/10.5194/egusphere-egu23-13084)

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titre

Calibration transfer methodology for cloud radars based on ice cloud observations(https://insu.hal.science/insu-04082890v2)

auteur

Susana Jorquera, Felipe Toledo, Julien Delanoë, Alexis Berne, Anne-Claire Billault-Roux, Alfons Schwarzenboeck, Fabien Dezitter, Nicolas Viltard, Audrey Martini

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Journal of Atmospheric and Oceanic Technology, 2023, 40 (7), pp.773-788. 10.1175/JTECH-D-22-0087.1(https://dx.doi.org/10.1175/JTECH-D-22-0087.1)

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titre

Water isotopic characterisation of the cloud–circulation coupling in the North Atlantic trades – Part 1: A process-oriented evaluation of COSMOiso simulations with EUREC^{4}A observations(https://insu.hal.science/insu-04084456v2)

auteur

Leonie Villiger, Marina Dütsch, Sandrine Bony, Marie Lothon, Stephan Pfahl, Heini Wernli, Pierre-Etienne Brilouet, Patrick Chazette, Pierre Coutris, Julien Delanoë, Cyrille Flamant, Alfons Schwarzenboeck, Martin Werner, Franziska Aemisegger

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titre

ICE GENESIS: Synergetic Aircraft and Ground-Based Remote Sensing and In Situ Measurements of Snowfall Microphysical Properties(https://insu.hal.science/insu-04012416)

auteur

Anne-Claire Billault-Roux, Jacopo Grazioli, Julien Delanoë, Susana Jorquera, Nicolas Pauwels, Nicolas Viltard, Audrey Martini, Vincent Mariage, Christophe Le Gac, Christophe Caudoux, Clémantyne Aubry, Fabrice Bertrand, Alfons Schwarzenboeck, Louis Jaffeux, Pierre Coutris, Guy Febvre, Jean Marc Pichon, Fabien Dezitter, Josué Gehring, Aude Untersee, Christophe Calas, Jordi Figueras I Ventura, Benoit Vie, Adrien Peyrat, Valentin Curat, Simon Rebouissoux, Alexis Berne

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titre

On the Microphysics, Dynamics and Electrical Properties of Thunderstorms Sampled During the Eight EXAEDRE Research Flights(https://insu.hal.science/insu-04216711)

auteur

Eric Defer, Magalie Buguet, Olivier Caumont, Pauline Combarnous, Julien Delanoë, Ronan Houel, Keunok Lee, Serge Prieur, Stéphane Pedeboy, Alfons Schwarzenboeck

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AMS 2023 - 103rd Annual Meeting, Jan 2023, Denver (Colorado), United States

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Pollution slightly enhances atmospheric cooling by low-level clouds in tropical West Africa(https://hal.science/hal-03872992v2)

auteur

Valerian Hahn, Ralf Meerkötter, Christiane Voigt, Sonja Gisinger, Daniel Sauer, Valéry Catoire, Volker Dreiling, Hugh Coe, Cyrille Flamant, Stefan Kaufmann, Jonas Kleine, Peter Knippertz, Manuel Moser, Philip Rosenberg, Hans Schlager, Alfons Schwarzenboeck, Jonathan Taylor

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Atmospheric Chemistry and Physics, 2023, 23 (15), pp.8515-8530. 10.5194/acp-23-8515-2023(https://dx.doi.org/10.5194/acp-23-8515-2023)

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2022

titre

Demonstration of water vapor and Isotopes measurement from lidar using a multi-platform, multi-instrumental approach(https://insu.hal.science/insu-03648759)

auteur

Jonas Hamperl, Patrick Chazette, Julien Totems, Jean-Baptiste Dherbecourt, Jean-Michel Melkonian, Philippe Nicolas, Myriam Raybaut, Aurélien Clémençon, Nicolas Geyskens, Pascal Genau, Alfons Schwarzenboeck, Cyrille Flamant, Daniele Zannoni, Harald Sodemann, Hans Christian Steen-Larsen, Anne Monod, Amandine Durand, Sylvain Ravier

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EGU General Assembly 2022, May 2022, Online, Austria. 10.5194/egusphere-egu22-12076(https://dx.doi.org/10.5194/egusphere-egu22-12076)

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titre

EUREC^{4}A observations from the SAFIRE ATR42 aircraft(https://insu.hal.science/insu-03517872v2)

auteur

Sandrine Bony, Marie Lothon, Julien Delanoë, Pierre Coutris, Jean-Claude Etienne, Franziska Aemisegger, Anna Lea Albright, Thierry André, Hubert Bellec, Alexandre Baron, Jean-François Bourdinot, Pierre-Etienne Brilouet, Aurélien Bourdon, Jean-Christophe Canonici, Christophe Caudoux, Patrick Chazette, Michel Cluzeau, Céline Cornet, Jean-Philippe Desbios, Dominique Duchanoy, Cyrille Flamant, Benjamin Fildier, Christophe Gourbeyre, Laurent Guiraud, Tetyana Jiang, Claude Lainard, Christophe Le Gac, Christian Lendroit, Julien Lernould, Thierry Perrin, Frédéric Pouvesle, Pascal Richard, Nicolas Rochetin, Kevin Salaün, Alfons Schwarzenboeck, Guillaume Seurat, Bjorn Stevens, Julien Totems, Ludovic Touzé-Peiffer, Gilles Vergez, Jessica Vial, Leonie Villiger, Raphaela Vogel

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Earth System Science Data, 2022, 14 (4), pp.2021-2064. 10.5194/essd-14-2021-2022(https://dx.doi.org/10.5194/essd-14-2021-2022)

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titre

Sensitivity of low-level clouds and precipitation to anthropogenic aerosol emission in southern West Africa: a DACCIWA case study(https://insu.hal.science/insu-03198739v2)

auteur

Adrien Deroubaix, Laurent Menut, Cyrille Flamant, Peter Knippertz, Andreas H. Fink, Anneke Batenburg, Joel Brito, Cyrielle Denjean, Cheikh Dione, Régis Dupuy, Valerian Hahn, Norbert Kalthoff, Fabienne Lohou, Alfons Schwarzenboeck, Guillaume Siour, Paolo Tuccella, Christiane Voigt

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titre

Microphysical processes producing high ice water contents (HIWCs) in tropical convective clouds during the HAIC-HIWC field campaign: dominant role of secondary ice production(https://insu.hal.science/insu-03610691)

auteur

Yongjie Huang, Wei Wu, Greg M. Mcfarquhar, Ming Xue, Hugh Morrison, Jason Milbrandt, Alexei V. Korolev, Yachao Hu, Zhipeng Qu, Mengistu Wolde, Cuong Nguyen, Alfons Schwarzenboeck, Ivan Heckman

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2021

titre

The formation of nano-particle within volcanic plumes of Etna and Stromboli, Airbone observations(https://hal.science/hal-04223905)

auteur

Maher Sahyoun, Evelyn Freney, Regis Dupuy, Jonathan Duplissy, Joel F. de Brito, Mathieu Gouhier, Aurelie Colomb, John B. Nowak, Chao Yan, Tuukka Petäjä, Markku Kulmala, Alfons Schwarzenboeck, Celine Planche, Karine Sellegri

article

European Aerosol Conference, Aug 2021, Online, United Kingdom

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(https://hal.science/hal-04223905/bibtex)

titre

Thunderstorms in Corsica Island measured during the EXAEDRE aircraft campaign(https://hal.univ-reunion.fr/hal-03318943)

auteur

Keun-Ok Lee, Eric Defer, Pauline Combarnous, Jean-Pierre Pinty, Magalie Buguet, Olivier Caumont, Julien Delanoë, Louis Jaffeux, Stéphane Pedeboy, Serge Prieur, Evelyne Richard, Alfons Schwarzenboeck

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vEGU21, Apr 2021, Virtual Meeting, Austria

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titre

On the imprint of the mesoscale organization of tradewind clouds at cloud base and below(https://hal.sorbonne-universite.fr/hal-03209176)

auteur

Sandrine Bony, Pierre-Etienne Brilouet, Patrick Chazette, Pierre Coutris, Julien Delanoë, Marie Lothon, Nicolas Rochetin, Alfons Schwarzenboeck, Bjorn Stevens

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EGU General Assembly 2021, Apr 2021, online, Unknown Region. 10.5194/egusphere-egu21-14901(https://dx.doi.org/10.5194/egusphere-egu21-14901)

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titre

Dependence of Ice Microphysical Properties on Environmental Parameters: Results from HAIC-HIWC Cayenne Field Campaign(https://insu.hal.science/insu-03710530)

auteur

Yachao Hu, Greg M. Mcfarquhar, Wei Wu, Yongjie Huang, Alfons Schwarzenboeck, Alain Protat, Alexei Korolev, Robert M. Rauber, Hongqing Wang

article

Journal of the Atmospheric Sciences, 2021, 78, pp.2957-2981. 10.1175/JAS-D-21-0015.1(https://dx.doi.org/10.1175/JAS-D-21-0015.1)

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titre

EUREC^{4}A(https://hal.science/hal-03023368v3)

auteur

Bjorn Stevens, Sandrine Bony, David Farrell, Felix Ament, Alan M. Blyth, Chiristopher W. Fairall, Johannes Karstensen, Patricia K. Quinn, Sabrina Speich, Claudia Acquistapace, Franziska Aemisegger, Anna Lea Albright, Hugo Bellenger, Eberhard Bodenschatz, Kathy-Ann Caesar, Rebecca Chewitt-Lucas, Gijs de Boer, Julien Delanoë, Leif Christopher Denby, Florian Ewald, Benjamin Fildier, Marvin Forde, Geet George, Silke Gross, Martin Hagen, Andrea Hausold, Karen J. J Heywood, Lutz Hirsch, Marek Jacob, Friedhelm Jansen, Stefan Kinne, Daniel Klocke, Tobias Kölling, Heike Konow, Marie Lothon, Wiebke Mohr, Ann Kristin Naumann, Louise Nuijens, Léa Olivier, Robert Pincus, Mira L. Pöhlker, Gregory Roberts, Sabrina Schnitt, Peter P. Sullivan, Ludovic Touzé-Peiffer, Jessica Vial, Raphaela Vogel, Nicola Alexander, Lyndon Alves, Sophian Arixi, Hamish Asmath, Gholamhossein Bagheri, Adriana Bailey, Dariusz Baranowski, Alexandre Baron, Sébastien Barrau, Paul Alan Barrett, Andreas Behrendt, Arne Bendinger, Florent Beucher, Sebastien Bigorre, Edmund Blades, Peter Blossey, Olivier Bock, Steven Böing, Pierre Bosser, Denis Bourras, Pascale Bouruet-Aubertot, Keith Bower, H Branger, Michal Brennek, Alan Brewer, Pierre-Etienne Brilouet, Björn Brügmann, Stefan A. Buehler, Elmo Burke, Ralph Burton, Radiance Calmer, Jean-Christophe Canonici, Xavier Carton, Gregory Cato Jr., J. A. Charles, Patrick Chazette, Yanxu Chen, Thomas Choularton, Patrick Chuang, S. Clarke, Hugh Coe, C. Cornet, P. Coutris, Fleur Couvreux, S. Crewell, T. Cronin, Zhiqiang Cui, Yannis Cuypers, Alton Daley, G. M. Damerell, T Dauhut, D de Graaf, Geiske E. de Groot, S. P. de Szoeke, H Deneke, J.-P Desbios, Vincent Douet, Kyla Drushka, M. Dütsch, A. Ehrlich, K. Emanuel, A Emmanouilidis, Jean-Claude Etienne, S. Etienne-Leblanc, Ghislain Faure, G. Feingold, Linda Ferrero, Andreas Fix, Cyrille Flamant, Piotr Jacek Flatau, Gregory R. Foltz, Alan Gadian, Joseph Galewsky, Martin Gallagher, Peter Gallimore, Cassandra Gaston, Chelle Gentemann, Nicolas Geyskens, Andreas Giez, Christophe Gourbeyre, Robert Grosz, Manuel Gutleben, Johannes Güttler, Kashawn Hall, George Harris, Kevin C. Helfer, Dean Henze, Calvert Herbert, Bruna Holanda, Antonio Ibanez-Landeta, Janet Intrieri, Suneil Iyer, Fabrice Julien, Heike

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Earth System Science Data, 2021, 13 (8), pp.4067-4119. 10.5194/essd-13-4067-2021(https://dx.doi.org/10.5194/essd-13-4067-2021)

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(https://hal.science/hal-03023368/file/essd-13-4067-2021.pdf) (https://hal.science/hal-03023368v3/bibtex)

2020

titre

Overview of aerosol optical properties over southern West Africa from DACCIWA aircraft measurements(https://insu.hal.science/insu-02552742)

auteur

Cyrielle Denjean, Thierry Bourrianne, Frédéric Burnet, Marc Mallet, Nicolas Maury, Aurélie Colomb, Pamela Dominutti, Joel Brito, Régis Dupuy, Karine Sellegri, Alfons Schwarzenboeck, Cyrille Flamant, Peter Knippertz

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titre

Statistical analysis of ice microphysical properties in tropical mesoscale convective systems derived from cloud radar and in situ microphysical observations(https://insu.hal.science/insu-02161738)

auteur

Emmanuel Fontaine, Alfons Schwarzenboeck, Delphine Leroy, Julien Delanoë, Alain Protat, Fabien Dezitter, John Walter Strapp, Lyle Edward Lilie

article

Atmospheric Chemistry and Physics, 2020, 20 (6), pp.3503-3553. 10.5194/acp-20-3503-2020(https://dx.doi.org/10.5194/acp-20-3503-2020)

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2019

titre

Comparisons of Cloud In-Situ Microphysical Properties of Deep Convective Clouds to Appendix D/P, using Data from the HAIC-HIWC and HIWC RADAR I Flight Campaigns(https://insu.hal.science/insu-02185603)

auteur

John Walter Strapp, Alfons Schwarzenboeck, Kristopher M. Bedka, Thomas Bond, Alice Grandin-Calmels, Julien Delanoë, Fabien Dezitter, Matthew Grzych, Steven Harrah, Alexei Korolev, Delphine Leroy, Lyle Lilie, Jeanne Mason, Rodney Potts, Alain Protat, Thomas Ratvasky, James Riley, Mengistu Wolde

article

International Conference on Icing of Aircraft, Engines, and Structures, Jun 2019, Minneapolis, United States

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titre

W-band (95 GHz) Radar Attenuation in Tropical Stratiform Ice Anvils(https://insu.hal.science/insu-02151487)

auteur

Alain Protat, Surendra Rauniyar, Julien Delanoë, Emmanuel Fontaine Fontaine, Alfons Schwarzenboeck

article

Journal of Atmospheric and Oceanic Technology, 2019, 36 (8), pp.1463-1476. 10.1175/JTECH-D-18-0154.1(https://dx.doi.org/10.1175/JTECH-D-18-0154.1)

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titre

Characterization of the cloud microphysical and optical properties and aerosol-cloud interaction in the Arctic from in situ ground-based measurements during the CLIMSLIP-NyA campaign, Svalbard(https://insu.hal.science/insu-01627782)

auteur

Gwennolé Guyot, Frans Olofson, Peter Tunved, Christophe Gourbeyre, Guy Fevbre, Regis Dupuy, Christophe Bernard, Gérard Ancellet, Kathy S. Law, Boris Quennehen, Alfons Schwarzenboeck, Kostas Eleftheriadis, Olivier Jourdan

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2019

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titre

Study of the diffraction pattern of cloud particles and the respective responses of optical array probes(https://hal.science/hal-02113428)

auteur

Thibault Vaillant de Guélis, Alfons Schwarzenboeck, Valery Shcherbakov, Christophe Gourbeyre, Bastien Laurent, Régis Dupuy, Pierre Coutris, Christophe Duroure

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titre

The radiative impact of out-of-cloud aerosol hygroscopic growth during the summer monsoon in southern West Africa(https://hal.science/hal-01981287)

auteur

Sophie Haslett, Jonathan Taylor, Konrad Deetz, Bernhard Vogel, Karmen Babi, Norbert Kalthoff, Andreas Wieser, Cheikh Dione, Fabienne Lohou, Joel Brito, Régis Dupuy, Alfons Schwarzenboeck, Hugh Coe

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titre

Aerosol influences on low-level clouds in the West African monsoon(https://insu.hal.science/insu-01988483)

auteur

Jonathan W. Taylor, Sophie L. Haslett, Keith Bower, Michael Flynn, Ian Crawford, James Dorsey, Tom Choularton, Paul J. Connolly, Valerian Hahn, Christiane Voigt, Daniel Sauer, Régis Dupuy, Joel Brito, Alfons Schwarzenboeck, Thierry Bourriane, Cyrielle Denjean, Phil Rosenberg, Cyrille Flamant, James R. Lee, Adam R. Vaughan, Peter G. Hill, Barbara Brooks, Valéry Catoire, Peter Knippertz, Hugh Coe

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titre

Evidence of new particle formation within Etna and Stromboli volcanic plumes and its parameterization from airborne insitu measurements(https://hal.science/hal-02076923)

auteur

Maher Sahyoun, Evelyn Freney, Joel Brito, Jonathan Duplissy, Mathieu Gouhier, Aurélie Colomb, Régis Dupuy, Thierry Bourianne, John Nowak, Chao Yan, Tuukka Petäjä, Markku Kulmala, Alfons Schwarzenboeck, Céline Planche, Karine Sellegri

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The Arctic Cloud Puzzle: Using ACLOUD/PASCAL Multi-Platform Observations to Unravel the Role of Clouds and Aerosol Particles in Arctic Amplification(https://hal.science/hal-01932860)

auteur

Manfred Wendisch, Andreas Macke, Andre Ehrlich, Alfred Lüpkes, Mario Mech, Alfred Chechin, Alfred Dethloff, Carola Barientos, Johannes Bozem, Stephan Brückner, Hans-Christian Clemen, Susanne Crewell, Stephan Donth, Régis Dupuy, Kerstin Ebell, Ulrike Egerer, Ronny Engelmann, Stephan Engler, Johannes Eppers, Alfred Gehrmann, Xianda Gong, Stephan Gottschalk, Christophe Gourbeyre, Hannes Griesche, Alfred Hartmann, Markus Hartmann, Bernd Heinold, Alfred Herber, Hartmut Herrmann, Georg Heygster, Johannes Hoor, Soheila Jafariserajehlou, Stephan Jäkel, Emma Järvinen, Olivier Jourdan, Udo Kästner, Simonas Kecorius, Erlend Knudsen, Franziska Köllner, Stephan Kretzschmar, Luca Lelli, Delphine Leroy, Alfred Maturilli, Linlu Mei, Stephan Mertes, Guillaume Mioche, Alfred Neuber, Alfred Nicolaus, Tatiana Nomokonova, Justus Notholt, Mathias Palm, Manuela van Pinxteren, Johannes Quaas, Philipp Richter, Elena Ruiz-Donoso, Michael Schäfer, Katja Schmieder, Martin Schnaiter, Johannes M. Schneider, Alfons Schwarzenboeck, Patric Seifert, Matthew Shupe, Holger Siebert, Gunnar Spreen, Johannes Stapf, Frank Stratmann, Teresa Vogl, André Welti, Heike Wex, Alfred Wiedensohler, Marco Zanatta, Sebastian Zeppenfeld

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Evaluating the importance of photochemistry within urban plumes in West Africa(https://hal.science/hal-02169476)

auteur

Agnès Borbon, Bayetoulaye Thera, Pamela Domninutti, Aurélie Colomb, Joel Brito, Alfons Schwarzenboeck

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Emissions and ageing of volatile organic compounds in West-Africa from their airborne observations(https://hal.science/hal-02169484)

auteur

Pamela Dominutti, Aurélie Colomb, Joel Brito, Alfons Schwarzenboeck, Claire Reeves, Agnès Borbon

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titre

The influence of urban emissions on cloud condensation nuclei properties over West Africa(https://insu.hal.science/insu-04446563)

auteur

Nicolas Maury, Cyrielle Denjean, Thierry Bourrianne, Frederic Burnet, Regis Dupuy, Joel Brito, Aurelie Colomb, Alfons Schwarzenboeck, Cyrille Flamant

article

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titre

Biomass burning from central Africa dominates air pollution across southern West Africa during the summer monsoon season(https://insu.hal.science/insu-04446223)

auteur

Sophie Haslett, Jonathan Taylor, Michael Flynn, Keith Bower, Joel Brito, Alfons Schwarzenboeck, Régis Dupuy, Anneke Batenburg, Johannes Schneider, Christiane Schulz, Stephan Borrmann, Cyrielle Denjean, Frederic Burnet, Daniel Sauer, James Lee, Cyrille Flamant, Peter Knippertz, Hugh Coe

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titre

Statistical analysis of contrail to cirrus evolution during the Contrail and Cirrus Experiment (CONCERT)(https://hal.science/hal-01980934)

auteur

Aurélien Chauvigné, Olivier Jourdan, Alfons Schwarzenboeck, Christophe Gourbeyre, Jean François Gayet, Christiane Voigt, Hans Schlager, Stefan Kaufmann, Stephan Borrmann, Sergej Molleker, Andreas Minikin, Tina Jurkat, Ulrich Schumann

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titre

Aerosol distribution in the northern Gulf of Guinea: local anthropogenic sources, long-range transport, and the role of coastal shallow circulations(https://insu.hal.science/insu-01768651)

auteur

Cyrille Flamant, Adrien Deroubaix, Patrick Chazette, Joel Brito, Marco Gaetani, Peter Knippertz, Andreas Fink, Gaëlle de Coëtlogon, Laurent Menut, Aurélie Colomb, Cyrielle Denjean, Remi Meynadier, Philip Rosenberg, Régis Dupuy, Pamela Dominutti, Jonathan Duplissy, Thierry Bourrianne, Alfons Schwarzenboeck, Michel Ramonet, Julien Totems

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Assessing the role of anthropogenic and biogenic sources on PM_1 over southern West Africa using aircraft measurements(https://insu.hal.science/insu-01575042)

auteur

Joel Brito, Evelyn Freney, Pamela Dominutti, Agnes Borbon, Sophie L. Haslett, Anneke M. Batenburg, Aurélie Colomb, Régis Dupuy, Cyrielle Denjean, Frédéric Burnet, Thierry Bourriane, Adrien Deroubaix, Karine Sellegri, Stephan Borrmann, Hugh Coe, Cyrille Flamant, Peter Knippertz, Alfons Schwarzenboeck

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Design, construction and commissioning of the Braunschweig Icing Wind Tunnel(https://hal.science/hal-01980951)

auteur

Stephan Bansmer, Arne Baumert, Stephan Sattler, Inken Knop, Delphine Leroy, Alfons Schwarzenboeck, Tina Jurkat-Witschas, Christiane Voigt, Hugo Pervier, Biagio Esposito

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titre

CLOUD MICROPHYSICAL PROPERTIES OF SUMMERTIME ARCTIC STRATOCUMULUS DURING THE ACLOUD CAMPAIGN : COMPARISON WITH PREVIOUS RESULTS IN THE EUROPEAN ARCTIC(https://hal.science/hal-01932907)

auteur

Régis Dupuy, O. Jourdan, G. Mioche, A Ehrlich, F Waitz, C. Gourbeyre, E Järvinen, M. Schnaiter, Alfons Schwarzenboeck

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Evaluation of the twomoment scheme LIMA based on microphysical observations from the HyMeX campaign(https://insu.hal.science/insu-01811451)

auteur

Marie Taufour, Benoit Vié, Clotilde Augros, Brice Boudevillain, Julien Delanoë, Gaëlle Delautier, Véronique Ducrocq, Christine Lac, Jean-Pierre Pinty, Alfons Schwarzenboeck

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The Dynamics-Aerosol-Chemistry-Cloud Interactions in West Africa field campaign: Overview and research highlights(https://insu.hal.science/insu-01564453)

auteur

Cyrille Flamant, Peter Knippertz, Andreas H. Fink, Aristide Akpo, Barbara J. Brooks, Christine J. Chiu, Hugh Coe, Sylvester Danuor, Mat J. Evans, Oluwagbemiga Jegede, Norbert Kalthoff, Abdourahamane Konaré, Catherine Liousse, Fabienne Lohou, Céline Mari, Hans Schlager, Alfons Schwarzenboeck, Bianca Adler, Leonard Amekudzi, Jeffrey Aryee, Muritala Ayoola, Anneke M.

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An Inverse Problem Approach for the Retrieval of Ice Particle Mass from In Situ Measurements(https://uca.hal.science/hal-01893713)

auteur

Pierre Coutris, Delphine Leroy, Emmanuel Fontaine, Alfons Schwarzenboeck

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Impact of long-range transport pollution on aerosol properties over West Africa: observations during the DACCIWA airborne campaign(https://insu.hal.science/insu-01660660)

auteur

Cyrielle Denjean, Thierry Bourrianne, Frédéric Burnet, Adrien Deroubaix, Joel Brito, Régis Dupuy, Aurélie Colomb, Alfons Schwarzenboeck, Karine Sellegri, Patrick Chazette, Jonathan Duplissy, Cyrille Flamant

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titre

Cloud Microphysical Properties in Mesoscale Convective Systems: An Intercomparison of Three Tropical Locations(https://insu.hal.science/insu-01660416)

auteur

Alfons Schwarzenboeck, Pierre Coutris, Julien Delanoë, Alain Protat, Fabien Dezitter, Alice Grandin, John W. Strapp, Lyle E. Lilie

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On the impact of anthropogenic emissions on biogenic SOA formation above West Africa: results from DACCIWA aircraft field campaign(https://insu.hal.science/insu-01660685)

auteur

Joel Brito, Evelyn Freney, Aurélie Colomb, Régis Dupuy, Jonathan Duplissy, Cyrielle Denjean, Pamela Dominutti, Anneke Batenburg, Sophie Haslett, Christiane Schulz, Thierry Bourrianne, Frédéric Burnet, Agnès Borbon, Johannes Schneider, Stephan Borrmann, Hugh Coe, Karine Sellegri, Cyrille Flamant, Peter Knippertz, Alfons Schwarzenboeck

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Comparison of Two Retrieval Techniques for Ice Particle Mass from in-situ Measurements: Implication for Particle Effective Density and Median Mass Diameter(https://hal.science/hal-01980984)

auteur

Pierre Coutris, Delphine Leroy, Emmanuel Fontaine Fontaine, Alfons Schwarzenboeck, John Strapp, Alice Grandin

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Vertical distribution of microphysical properties of Arctic springtime low-level mixed-phase clouds over the Greenland and Norwegian seas(https://hal.science/hal-01625414)

auteur

Guillaume Mioche, Olivier Jourdan, Julien Delanoë, Christophe Gourbeyre, Guy Febvre, Régis Dupuy, Marie Monier, Frédéric Szczap, Alfons Schwarzenboeck, Jean-François Gayet

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Evaluation of radar reflectivity factor simulations of ice crystal populations from in situ observations for the retrieval of condensed water content in tropical mesoscale convective systems(https://insu.hal.science/insu-01386457)

auteur

Emmanuel Fontaine, Delphine Leroy, Alfons Schwarzenboeck, Julien Delanoë, Alain Protat, Fabien Dezitter, Alice Grandin, John Walter Strapp, Lyle Edward Lilie

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Ice crystal sizes in high ice water content clouds. Part 2: Statistics of mass diameter percentiles in tropical convection observed during the HAIC/HIWC project.(https://hal.science/hal-01980993)

auteur

Delphine Leroy, Emmanuel Fontaine, Alfons Schwarzenboeck, John Walter Strapp, Alexei Korolev, Greg M. Mcfarquhar, R. Dupuy, Christophe Gourbeyre, Lyle Lilie, Alain Protat, Julien Delanoë, Fabien Dezitter, Alice Grandin

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A ubiquitous ice size bias in simulations of tropical deep convection(https://hal.science/hal-01980956)

auteur

Mckenna Stanford, Adam Varble, Ed Zipser, John Walter Strapp, Delphine Leroy, Alfons Schwarzenboeck, Rodney Potts, Alain Protat

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Characterization of Arctic mixed phase clouds at regional and small scales(https://insu.hal.science/insu-01448602)

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Olivier Jourdan, Guillaume Mioche, Julien Delanoë, Christophe Gourbeyre, Régis Dupuy, Alfons Schwarzenboeck

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Simulations of Radar Reflectivity Factors at 94GHz: Ice Crystal Approximation with Oblate Spheroids(https://insu.hal.science/insu-01448595)

auteur

Emmanuel Fontaine, Delphine Leroy, Alfons Schwarzenboeck, Pierre Coutris, Julien Delanoë, Alain Protat, Fabien Dezitter, Alice Calmels, John Walter Strapp, Lyle Lilie

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Ground based in situ measurements of arctic cloud microphysical and optical properties at Mount Zeppelin, Svalbard(https://insu.hal.science/insu-01447641)

auteur

Gwennolé Guyot, Olivier Jourdan, Frans Olofson, Alfons Schwarzenboeck, Christophe Gourbeyre, Guy Febvre, Régis Dupuy, Christophe Bernard, Peter Tunved, Gérard Ancellet, Kathy S. Law, Wolfram Wobrock, Valery Shcherbakov

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titre

Variations of Ice Microphysical Properties in Tropical MCS Using Cloud In-Situ Data and Corresponding Radar Reflectivity Profiles(https://hal.science/hal-01448313)

auteur

Emmanuel Fontaine, Delphine Leroy, Alfons Schwarzenboeck, Pierre Coutris, Julien Delanoë, Alain Protat, Fabien Dezitter, Alice Calmels, John Walter Strapp, Lyle Lilie, Patrick Minnis, Christopher R. Yost

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The Measured Relationship between Ice Water Content and Cloud Radar Reflectivity in Tropical Convective clouds.(https://insu.hal.science/insu-01322886)

auteur

Alain Protat, Julien Delanoë, J. W. Strapp, E. Fontaine, D. Leroy, Alfons Schwarzenboeck, L. Lilie, C. Davison, F. Dezitter, A. Grandin, M. Weber

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auteur

Caroline Lamorthe, Agnès Borbon, Alfons Schwarzenboeck, Jean-Christophe Canonici

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Porous aerosol in degassing plumes of Mt. Etna and Mt. Stromboli(https://uca.hal.science/hal-01823396)

auteur

Valery Shcherbakov, Olivier Jourdan, Christiane Voigt, Jean-François Gayet, Aurélien Chauvigné, Alfons Schwarzenboeck, Andreas Minikin, Marcus Klingebiel, Ralf Weigel, Stephan Borrmann, Tina Jurkat, Stefan Kaufmann, Romy Schlage, Christophe Gourbeyre, Guy Febvre, Tatyana Lapyonok, Wiebke Frey, Sergej Molleker, Bernadett Weinzierl

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Size distribution and optical properties of mineral dust aerosols transported in the western Mediterranean(https://uca.hal.science/hal-01891397)

auteur

C. Denjean, F. Cassola, A. Mazzino, S. Triquet, S. Chevaillier, N. Grand, T. Bourrianne, G. Momboisse, K. Sellegri, Alfons Schwarzenboeck, E. Freney, M. Mallet, P. Formenti

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Overview of the Chemistry-Aerosol Mediterranean Experiment/Aerosol Direct Radiative Forcing on the Mediterranean Climate (ChArMEx/ADRIMED) summer 2013 campaign(https://insu.hal.science/insu-01258732)

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Marc Mallet, François Dulac, Paola Formenti, Pierre Nabat, Jean Sciare, Grégory Roberts, Jacques Pelon, Gérard Ancellet, Didier Tanré, Fédéric Parol, Cyrielle Denjean, Gérard Brogniez, A. Di Sarra, Lucas Alados-Arboledas, J. Arndt, Frédérique Auriol, Luc Blarel, Tierry Bourrianne, Patrick Chazette, Servanne Chevaillier, Marine Claeys, Barbara d'Anna, Y. Derimian, Karine V. Desboeufs, T. Di Iorio, Jean-Francois Doussin, Pierre Durand, Anaïs Féron, Evelyn Freney, Cécile Gaimoz, Philippe Goloub, J. L. Gómez-Amo, María José Granados-Muñoz, Noël Grand, Eric Hamonou, Isabelle Jankowiak,

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In situ, satellite measurement and model evidence on the dominant regional contribution to fine particulate matter levels in the Paris megacity(https://insu.hal.science/insu-01285053)

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Matthias Beekmann, A.S.H. Prévôt, F Drewnick, J Sciare, N Pandis, H.A.C. Denier van Der Gon, M Crippa, F Freutel, L Poulain, V Ghersi, E Rodriguez, S Beirle, P Zotter, S.-L von Der Weiden-Reinmüller, M Bressi, C Fountoukis, H Petetin, S Szidat, Johannes Schneider, A Rosso, I El Haddad, A Megaritis, Qj Zhang, V Michoud, J. G. Slowik, S Moukhtar, P Kolmonen, A Stohl, S Eckhardt, A. Borbon, V. Gros, Nicolas Marchand, J.-L. Jaffrezo, Alfons Schwarzenboeck, A Colomb, A Wiedensohler, S Borrmann, M Lawrence, A Baklanov, U Baltensperger

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HAIC/HIWC Field Campaign - Specific Findings on PSD Microphysics in High IWC Regions from In Situ Measurements: Median Mass Diameters, Particle Size Distribution Characteristics and Ice Crystal Shapes(https://insu.hal.science/insu-01175749)

auteur

Delphine Leroy, Emmanuel Fontaine, Alfons Schwarzenboeck, John Walter Strapp, Lyle Lilie, Julien Delanoë, Alain Protat, Fabien Dezitter, Alice Grandin

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Ground based in situ measurements of arctic cloud microphysical and optical properties at Mount Zeppelin (Ny-Alesund Svalbard)(https://insu.hal.science/insu-01143527)

auteur

Gwennolé Guyot, Olivier Jourdan, Frans Olofson, Alfons Schwarzenboeck, Christophe Gourbeyre, Guy Febvre, Régis Dupuy, Christophe Bernard, Peter Tunved, Gérard Ancellet, Kathy S. Law, Wolfram Wobrock, Valery Shcherbakov

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Formation of secondary organic aerosol in the Paris pollution plume and its impact on surrounding regions(https://hal.science/hal-01981030)

auteur

Q. Zhang, Matthias Beekmann, E. Freney, K. Sellegri, J. M. Pichon, Alfons Schwarzenboeck, A. Colomb, T. Bourrianne, V. Michoud, A. Borbon

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Improvements of the PLANET System for Real-Time Satellite Data Transmission During the HAIC-HIWC Darwin Field Campaign(https://hal.science/hal-01981018)

auteur

Sandra Turner, Jean-Marc Gaubert, Remy Gallois, Thibault Dacla, Ingrid Mullie, Aurélien Bourdon, Fabien Dezitter, Alice Grandin, Alain Protat, Rodney Potts, Alfons Schwarzenboeck, John Walter Strapp

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A new chemistry option in WRF-Chem v. 3.4 for the simulation of direct and indirect aerosol effects using VBS: evaluation against IMPACT-EUCAARI data(https://hal.science/hal-01131423)

auteur

Paolo Tuccella, G. Curci, G. A. Grell, G. Visconti, S. Crumeroylle, Alfons Schwarzenboeck, A. A. Mensah

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Transport of anthropogenic and biomass burning aerosols from Europe to the Arctic during spring 2008(https://hal.science/hal-01084080)

auteur

Louis Marelle, Jean-Christophe Raut, Jennie L. Thomas, Kathy S. Law, Boris Quennehen, Gérard Ancellet, Jacques Pelon, Alfons Schwarzenboeck, J. D. Fast

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In situ formation and spatial variability of particle number concentration in a European megacity(https://hal.science/hal-01806056)

auteur

M. Pikridas, J. Sciare, F. Freutel, S. Crumeyrolle, S. von Der Weiden-Reinmüller, A. Borbon, Alfons Schwarzenboeck, M. Merkel, M. Crippa, E. Kostenidou, M. Psichoudaki, L. Hildebrandt, G. Engelhart, T. Petäjä, S. S. Prevot, F. Drewnick, U. Baltensperger, A. Wiedensohler, M. Kulmala, M. Beekmann, S. Pandis

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Airborne measurements of new particle formation in the free troposphere above the Mediterranean Sea during the HYMEX campaign(https://uca.hal.science/hal-01975950)

auteur

Clémence Rose, K. Sellegri, E. Freney, R. Dupuy, A. Colomb, J.-M. Pichon, M. Ribeiro, T. Bourianne, F. Burnet, Alfons Schwarzenboeck

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A comparison of airborne in situ cloud microphysical measurement with ground-based C-band radar observations in deep stratiform regions of African squall lines(https://insu.hal.science/insu-01175734)

auteur

Elise Drigeard, Emmanuel Fontaine, Wolfram Wobrock, Alfons Schwarzenboeck, Christophe Duroure, E.R. Williams, B. Russell, Alain Protat, Julien Delanoë, Frédéric Cazenave, Marielle Gosset

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Evaluating BC and NO_x emission inventories for the Paris region from MEGAPOLI aircraft measurements(https://hal.science/hal-01805961)

auteur

H. Petetin, M. Beekmann, A. Colomb, A. Denier van Der Gon, J. Dupont, C. Honore, V. Michoud, Y. Morille, O. Perrussel, Alfons Schwarzenboeck, J. Sciare, A. Wiedensohler, Q. Zhang

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Interactions aérosols- rayonnement-climat en région méditerranéenne Impact de l'effet radiatif direct sur le cycle de l'eau(https://insu.hal.science/insu-01233173)

auteur

Marc Mallet, François Dulac, Pierre Nabat, Paola Formenti, Jean Sciare, Gregory Roberts, Cyrielle Denjean, Jacques Pelon, Didier Tanré, Frédéric Parol, Gérard Ancellet, Frédéric Auriol, Luc Blarel, Tierry Bourrianne, Gérard Brogniez, Patrick Chazette, Servanne Chevaillier, Marine Claeys, Aurélie Colomb, Barbara d'Anna, Yevgeny Derimian, Karine V. Desboeufs, Jean-Francois Doussin, Pierre Durand, Anaïs Féron, Hélène Ferré, Laurence Fleury, Evelyn Freney, Philippe Goloub, Noël Grand, Eric Hamonou, Isabelle Jankowiak, Matthieu Jeannot, Dominique Lambert, Jean-François Léon, Sylvain Mailler, Laurent Menut, Géraud Momboisse, José Nicolas, Thierry Podvin, Véronique Pont, Géraldine Rea, Jean-Baptiste Renard, Laurent Roblou, Alfons Schwarzenboeck, Karine Sellegri, Michaël Sicard, Fabien Solmon, Samuel Somot, Benjamin Torres, Julien Totems, Sylvain Triquet, Nicolas Verdier, Christian Verwaerde, Damien Vignelles

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Aerosol processing and CCN formation of an intense Saharan dust plume during the EUCAARI 2008 campaign(https://hal.science/hal-01078326)

auteur

Nelson Bègue, Pierre Tulet, Jacques Pelon, B. Aouizerats, A. Berger, Alfons Schwarzenboeck

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titre

Multifrequency Radar Observations Collected in Southern France during HyMeX-SOP1(https://hal.science/hal-01020615)

auteur

Olivier Bousquet, A. Berne, Julien Delanoë, Y. Dufournet, J.J. Gourley, Joël van Baelen, C. Augros, Lucas Besson, B. Boudevillain, Olivier Caumont, E. Defer, J. Grazioli, D. Jorgensen, P.-E. Kirstetter, J.-F. Ribaud, J. Beck, G. Delrieu, Vincent Ducrocq, D. E. Scipion, Alfons Schwarzenboeck, J. Zwiebel

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auteur

Eric Defer, Olivier Bousquet, Julien Delanoë, Paul Krehbiel, S. Pedeboy, Jean-Pierre Pinty, W. Rison, W. Schulz, Alfons Schwarzenboeck

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An update on cloud dynamic and microphysics products derived from RASTA measurements during HYMEX-SOP1(https://insu.hal.science/insu-01140560)

auteur

Julien Delanoë, Jean-Paul Vinson, Christophe Caudoux, Marie Ceccaldi, Emmanuel Fontaine, Alfons Schwarzenboeck, Cyrille Flamant

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In situ measurements of ice saturation in young contrails(https://hal.science/hal-01981037)

auteur

Stefan Kaufmann, Christiane Voigt, Philipp Jessberger, Tina Jurkat, Hans Schlager, Alfons Schwarzenboeck, Marcus Klingebiel, Troy Thornberry

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Transport of aerosol to the Arctic: analysis of CALIOP and French aircraft data during the spring 2008 POLARCAT campaign(https://uca.hal.science/hal-01119972)

auteur

Gérard Ancellet, Jacques Pelon, Yann Blanchard, Boris Quennehen, Ariane Bazureau, Kathy S. Law, Alfons Schwarzenboeck

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Characterizing the impact of urban emissions on regional aerosol particles: airborne measurements during the MEGAPOLI experiment(https://hal.science/hal-01981033)

auteur

E. Freney, K. Sellegri, F. Canonaco, A. Colomb, A. Borbon, V. Michoud, F. Doussin, S. Crumeyrolle, N. Amarouche, J.-M. Pichon, T. Bourianne, L. Gomes, A. Prevot, Matthias Beekmann, Alfons Schwarzenboeck

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HyMeX-SOP1: The Field Campaign Dedicated to Heavy Precipitation and Flash Flooding in the Northwestern Mediterranean(https://hal.science/hal-00907518)

auteur

Véronique Ducrocq, Isabelle Braud, Silvio Davolio, Rossella Ferretti, Cyrille Flamant, Agustin Jansa, Norbert Kalthoff, Evelyne Richard, Isabelle Taupier-Letage, Pierre-Alain Ayral, Sophie Belamari, Alexis Berne, Marco Borga, Brice Boudevillain, Olivier Bock, Jean-Luc Boichard, Marie-Noëlle Bouin, Olivier Bousquet, Christophe Bouvier, Jacopo Chiggiato, Domenico Cimini, Ulrich Corsmeier, Laurent Coppola, Philippe Cocquerez, Eric Defer, Julien Delanoë, Paolo Di Girolamo, Alexis Doerenbecher, Philippe Drobinski, Yann Dufournet, Nadia Fourrié, Jonathan J. Gourley, Laurent Labatut, Dominique Lambert, Jérôme Le Coz, Frank S. Marzano, Gilles Molinié, Andrea Montani, Guillaume Nord, Mathieu Nuret, Karim Ramage, Bill Rison, Odile Roussot, Frédérique Saïd, Alfons Schwarzenboeck, Pierre Testor, Joël van Baelen, Béatrice Vincendon, Montserrat Aran, Jorge Tamayo

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(https://hal.science/hal-00907518/file/pub00039592.pdf) (https://hal.science/hal-00907518/bibtex)

titre

Constraining mass-diameter relations from hydrometeor images and cloud radar reflectivities in tropical continental and oceanic convective anvils(https://hal.science/hal-00937484)

auteur

E. Fontaine, Alfons Schwarzenboeck, Julien Delanoë, Wolfram Wobrock, Delphine Leroy, R. Dupuy, C. Gourbeyre, Alain Protat

article

Atmospheric Chemistry and Physics, 2014, 14, pp.11367-11392. 10.5194/acp-14-11367-2014(https://dx.doi.org/10.5194/acp-14-11367-2014)

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(https://hal.science/hal-00937484/file/acp-14-11367-2014.pdf) (https://hal.science/hal-00937484/bibtex)

2013

titre

Airborne investigation of the aerosols–cloud interactions in the vicinity and within a marine stratocumulus over the North Sea during EUCAARI (2008)(https://hal.science/hal-01981039)

auteur

S. Crumeyrolle, R. Weigel, K. Sellegri, G. Roberts, L. Gomes, A. Stohl, P. Laj, G. Momboisse, T. Bourianne, V. Puygrenier, F. Burnet, F. Chosson, L. Brenguier, J.M. Etcheberry, P. Villani, J.M. Pichon, Alfons Schwarzenboeck

article

Atmospheric Environment, 2013, 81, pp.288-303

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Accès au bibtex

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titre

The impact of desert dust on the life cycle of convection in the Mediterranean basin: a case study from the HyMeX SOP1(https://insu.hal.science/insu-01184418)

auteur

Cyrille Flamant, Jean-Pierre Chaboureau, Patrick Chazette, Paolo Di Girolamo, E. Freney, Alfons Schwarzenboeck, R. Dupuy, F. Burnet

article

7th HyMex Workshop, Oct 2013, Cassis, France. pp.PS3.16, 2013

typdoc

Poster communications

Accès au bibtex

(https://insu.hal.science/insu-01184418/bibtex)

titre

Cloud dynamic and microphysics derived from RASTA measurements during HyMeX SOP1(https://insu.hal.science/insu-01183550)

auteur

Julien Delanoë, Jean-Paul Vinson, Christophe Caudoux, Marie Ceccaldi, Emmanuel Fontaine, Alfons Schwarzenboeck, Cyrille Flamant

article

7th HyMeX Workshop, Oct 2013, Cassis, France

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Conference papers

Accès au bibtex

(https://insu.hal.science/insu-01183550/bibtex)

titre

Arctic mixed phase clouds properties based on airborne in situ and remote sensing measurements(https://hal.science/hal-00869478)

auteur

Guillaume Mioche, Olivier Jourdan, Frédéric Szczap, Gwennolé Guyot, Christophe Gourbeyre, Régis Dupuy, Julien Delanoë, Alfons Schwarzenboeck

article

Davos Atmosphere and Cryosphere Assembly DACA-13, Jul 2013, Davos, Switzerland

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Conference papers

Accès au bibtex

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titre

Transport of anthropogenic and biomass burning aerosols from Europe to the Arctic during spring 2008(https://hal.science/hal-00833324)

auteur

Louis Marelle, Jean-Christophe Raut, Kathy S. Law, Gérard Ancellet, Boris Quennehen, Alfons Schwarzenboeck

article

The Arctic Science Summit Week (ASSW) 2013, Apr 2013, Krakow, Poland

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Accès au bibtex

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titre

Overview of aerosol properties associated with air masses sampled by the ATR-42 during the EUCAARI campaign (2008)(https://hal.science/hal-00690254)

auteur

S. Crumeyrolle, Alfons Schwarzenboeck, Jean-Claude Roger, K. Sellegri, J. F. Burkhart, A. Stohl, L. Gomes, Boris Quennehen, G. Roberts, R. Weigel, P. Villani, J. M. Pichon, T. Bourrianne, Paolo Laj

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titre

HyMeX, le cycle de l'eau méditerranéen à la loupe(https://hal.science/hal-00828758)

auteur

Philippe Drobinski, Véronique Ducrocq, Philippe Arbogast, Claude Basdevant, Sophie Bastin, Laurent Béguery, Sophie Belamari, Karine Béranger, Olivier Bock, Marie-Noëlle Bouin, Brice Boudevillain, Olivier Bousquet, Christophe Bouvier, Isabelle Braud, Jean-Christophe Calvet, Cédric Champollion,

Andre Chanzy, Claude Martin, Philippe Cocquerez, Laurent Coppola, Sylvain Coquillat, Dominique Courault, Eric Defer, Julien Delanoë, Guy Delrieu, Alexis Doerenbecher, Nathalie Dörfliger, M. Estèves, Claude Estournel, Cyrille Flamant, Nadia Fourrié, Olivier Garrouste, E. Gaume, Hervé Giordani, L. Gomes, Grégory Roberts, Hervé Jourde, Laurent Labatut, Dominique Lambert, Jérôme Le Coz, Wolfgang Ludwig, Céline Lutoff, J.-F. Mahfouf, Eric Martin, Laurence Mastrorillo, N. Mathys, Yann Michel, Mathieu Nuret, Françoise Orain, Sandra Perez, Catherine Prigent, Olivier Radakovitch, Karim Ramage, Evelyne Richard, Jean-Louis Roujean, Odile Roussot, I. Ruin, Frédérique Saïd, Alfons Schwarzenboeck, Karine Sellegri, Samuel Somot, Isabelle Taupier-Letage, Pierre Testor, Joël van Baelen, Jean-Pierre Vandervaere

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La Météorologie, 2013, 80, pp.23-36. 10.4267/2042/48792(https://dx.doi.org/10.4267/2042/48792)

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(https://hal.science/hal-00828758/file/meteo_2013_80_23%20%281%29.pdf) (https://hal.science/hal-00828758/bibtex)

titre

HyMeX, les campagnes de mesures : focus sur les événements extrêmes en Méditerranée(https://hal.science/hal-00829760)

auteur

Véronique Ducrocq, Sophie Belamari, Brice Boudevillain, Olivier Bousquet, Philippe Cocquerez, Alexis Doerenbecher, Philippe Drobinski, Cyrille Flamant, Laurent Labatut, Dominique Lambert, Mathieu Nuret, Evelyne Richard, Odile Roussot, Pierre Testor, Philippe Arbogast, Pierre-Alain Ayral, Joël van Baelen, Claude Basdevant, Jean-Luc Boichard, Denis Bourras, Christophe Bouvier, Marie-Noëlle Bouin, Olivier Bock, Isabelle Braud, Cédric Champollion, Laurent Coppola, Sylvain Coquillat, Eric Defer, Julien Delanoë, Guy Delrieu, Jean-François Didon-Lescot, Pierre Durand, Claude Estournel, Nadia Fourrié, Olivier Garrouste, Hervé Giordani, Jérôme Le Coz, Yann Michel, Olivier Nuissier, Gregory Roberts, Frédérique Saïd, Alfons Schwarzenboeck, Karine Sellegri, Isabelle Taupier-Letage, Jean-Pierre Vandervaere

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titre

RASTA: The airborne cloud radar, a tool for studying cloud and precipitation during HyMeX SOP1.1.(https://hal.science/hal-00713364)

auteur

Julien Delanoë, Alain Protat, Jean-Paul Vinson, Emmanuel Fontaine, Alfons Schwarzenboeck, Cyrille Flamant

article

6th HyMeX Workshop, May 2012, Primosten, Croatia

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titre

Anthropogenic and forest fire pollution aerosol transported to the Arctic: observations from the POLARCAT-France spring campaign(https://hal.science/hal-00668101)

auteur

Boris Quennehen, Alfons Schwarzenboeck, A. Matsuki, J. F. Burkhart, A. Stohl, Gérard Ancellet, Kathy S. Law

article

Atmospheric Chemistry and Physics, 2012, 12 (14), pp.6437-6454. 10.5194/acp-12-6437-2012(https://dx.doi.org/10.5194/acp-12-6437-2012)

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titre

Physical and optical properties of 2010 Eyjafjallajökull volcanic eruption aerosol: ground-based, Lidar and airborne measurements in France(https://hal.science/hal-00675317)

auteur

M. Hervo, Boris Quennehen, N. I. Kristiansen, J. Boulon, A. Stohl, P. Fréville, Jean-Marc Pichon, David Picard, Philippe Labazuy, M. Gouhier, Jean-Claude Roger, Aurélie Colomb, Alfons Schwarzenboeck, Karine Sellegri

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2011

titre

Pollution transported to the Arctic during the POLARCAT-France spring and summer campaigns: source regions and aerosol properties(https://hal.science/hal-00675357)

auteur

Boris Quennehen, Alfons Schwarzenboeck, Atsushi Matsuki, Julia Schmale, Harald Sodemann, Gérard Ancellet, Johannes Schneider, Andreas Stohl, Jacques Pelon, Kathy S. Law

article

European Geosciences Union General Assembly, Apr 2011, Vienna, Austria

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(https://hal.science/hal-00675357/bibtex)

titre

Airborne DOAS measurements in Arctic: vertical distributions of aerosol extinction coefficient and NO_2 concentration(https://hal.science/hal-00590730)

auteur

A. Merlaud, M. van Roozendael, N. Theys, C. Fayt, C. Hermans, Boris Quennehen, Alfons Schwarzenboeck, Gérard Ancellet, Matthieu Pommier, Jacques Pelon, J. Burkhart, A. Stohl, M. de Mazière

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titre

Physical and chemical properties of pollution aerosol particles transported from North America to Greenland as measured during the POLARCAT summer campaign(https://hal.science/hal-00586439)

auteur

Boris Quennehen, Alfons Schwarzenboeck, J. Schmale, Jodi Schneider, H. Sodemann, A. Stohl, Gérard Ancellet, S. Crumeyrolle, Kathy S. Law

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titre

Source identification and airborne chemical characterisation of aerosol pollution from long-range transport over Greenland during POLARCAT summer campaign 2008(https://hal.science/hal-00578345)

auteur

Julia Schmale, Jodi Schneider, Gérard Ancellet, Boris Quennehen, Andreas Stohl, Harald Sodemann, John F. Burkhart, Thomas Hamburger, Steve R. Arnold, Alfons Schwarzenboeck, Stephan Borrmann, Kathy S. Law

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Atmospheric Chemistry and Physics, 2011, 11 (19), pp.10097-10123. 10.5194/acp-11-10097-2011(https://dx.doi.org/10.5194/acp-11-10097-2011)

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(https://hal.science/hal-00578345/file/acp-11-10097-2011.pdf) (https://hal.science/hal-00578345/bibtex)

titre

Transport of dust particles from the Bodélé region to the monsoon layer - AMMA case study of the 9-14 June 2006 period(https://hal.science/hal-00459726)

auteur

S. Crumeyrolle, Pierre Tulet, L. Gomes, L. Garcia-Carreras, Cyrille Flamant, D. J. Parker, A. Matsuki, P. Formenti, Alfons Schwarzenboeck

article

Atmospheric Chemistry and Physics, 2011, 11 (2), pp.479-494. 10.5194/acp-11-479-2011(https://dx.doi.org/10.5194/acp-11-479-2011)

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2010

titre

Temporal and vertical variations of aerosol physical and chemical properties over West Africa: AMMA aircraft campaign in summer 2006(https://insu.hal.science/insu-00554363)

auteur

A. Matsuki, Boris Quennehen, Alfons Schwarzenboeck, S. Crumeyrolle, H. Venzac, Paolo Laj, L. Gomes

article

Atmospheric Chemistry and Physics, 2010, 10 (17), pp.8437-8451. 10.5194/ACP-10-8437-2010(https://dx.doi.org/10.5194/ACP-10-8437-2010)

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titre

Arctic Aerosol Physical and Optical Characterization During the POLARCAT Spring Campaign in Greenland(https://hal.science/hal-00675358)

auteur

Boris Quennehen, Alfons Schwarzenboeck, O. Jourdan, A. Stohl, Gérard Ancellet, J. Schmale

article

International Polar Year Science Conference, Jun 2010, Oslo, Norway

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Accès au bibtex

(https://hal.science/hal-00675358/bibtex)

titre

New particle formation events measured on board the ATR-42 aircraft during the EUCAARI campaign (https://insu.hal.science/insu-00554263)

auteur

S. Crumeyrolle, H. E. Manninen, K. Sellegri, G. Roberts, L. Gomes, M. Kulmala, R. Weigel, Paolo Laj, Alfons Schwarzenboeck

article

Atmospheric Chemistry and Physics, 2010, 10 (14), pp.6721-6735. 10.5194/acp-10-6721-2010(https://dx.doi.org/10.5194/acp-10-6721-2010)

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titre

Validation of the CALIPSO/CALIOP extinction coefficients from in situ observations in midlatitude cirrus clouds during the CIRCLE-2 experiment(https://hal.science/hal-00446718)

auteur

Guillaume Mioche, Damien Josset, Jean-François Gayet, Jacques Pelon, Anne Garnier, Andreas Minikin, Alfons Schwarzenboeck

article

Journal of Geophysical Research: Atmospheres, 2010, 115 (D4), pp.D00H25. 10.1029 /2009JD012376(https://dx.doi.org/10.1029/2009JD012376)

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(https://hal.science/hal-00446718/file/Mioche_et_al-2010-Journal_of_Geophysical_Research__Solid_Earth_%281978-2012%29.pdf) (https://hal.science/hal-00446718/bibtex)

titre

Airborne measurements of aerosol optical properties related to early spring transport of mid-latitude sources into the Arctic(https://hal.science/hal-00443057)

auteur

Raphaël Adam de Villiers, Gérard Ancellet, Jacques Pelon, Boris Quennehen, Alfons Schwarzenboeck, Jean-François Gayet, Kathy S. Law

article

Atmospheric Chemistry and Physics, 2010, 10 (11), pp.5011-5030. 10.5194/acp-10-5011-2010(https://dx.doi.org/10.5194/acp-10-5011-2010)

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(https://hal.science/hal-00443057/file/acp-10-5011-2010.pdf) (https://hal.science/hal-00443057/bibtex)

titre

Coupling of the microphysical and optical properties of an Arctic nimbostratus cloud during the ASTAR 2004 experiment: Implications for light-scattering modeling(https://hal.science/hal-01893505)

auteur

Olivier Jourdan, Guillaume Mioche, Timothy J Garrett, Alfons Schwarzenboeck, Jérôme Vidot, Yu Xie, Valery Shcherbakov, Ping Yang, Jean-François Gayet

article

Journal of Geophysical Research, 2010, 115 (D23), 10.1029/2010jd014016(https://dx.doi.org/10.1029/2010jd014016)

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titre

Chemical and aerosol characterisation of the troposphere over West Africa during the monsoon period as part of AMMA(https://hal.science/hal-00469942)

auteur

C. E. Reeves, P. Formenti, Charbel Afif, Gérard Ancellet, Jean-Luc Attié, J. Bechara, Agnès Borbon, F. Cairo, H. Coe, S. Crumeyrolle, Federico Fierli, Cyrille Flamant, L. Gomes, T. Hamburger, C. Jambert, Kathy S. Law, C. Mari, R.L. Jones, A. Matsuki, M.I. Mead, J. Methven, G.P. Mills, A. Minikin, J.G. Murphy, J.K. Nielsen, D.E. Oram, D.J. Parker, A. Richter, H. Schlager, Alfons Schwarzenboeck, V. Thouret

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titre

Cloud processing of mineral dust: direct comparison of cloud residual and clear sky particles during AMMA aircraft campaign in summer 2006(https://hal.science/hal-01981048)

auteur

A. Matsuki, Alfons Schwarzenboeck, H. Venzac, P. Laj, S. Crumeyrolle, L. Gomes

article

Atmospheric Chemistry and Physics, 2010, 10 (3), pp.1057-1069. 10.5194/acp-10-1057-2010(https://dx.doi.org/10.5194/acp-10-1057-2010)

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2009

titre

The impact of the mesoscale convective systems (MCS) on aerosol physical and chemical properties, focusing on hygroscopicity, during the AMMA campaign(https://hal.science/hal-00965494)

auteur

S. Crumeyrolle, Laurent Gomes, Pierre Tulet, A. Matsuki, Alfons Schwarzenboeck, H. Venzac, Paolo Laj, O. Laurent, G. Momboisse, T. Bourrianne

article

AMMA Conference, Jul 2009, Ouagadougou, Burkina Faso. pp.En ligne

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Accès au bibtex

(https://hal.science/hal-00965494/bibtex)

titre

Transport of dust particles from the Bodele region to the monsoon layer. Case study of the 9 14 june 2006 period(https://hal.science/hal-00965495)

auteur

S. Crumeyrolle, Pierre Tulet, Laurent Gomes, A. Matsuki, Alfons Schwarzenboeck, P. Formenti, H. Venzac, T. Bourrianne

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AMMA Conference, Jul 2009, Ouagadougou, Burkina Faso. pp.En ligne

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titre

Study of Arctic aerosol particle properties from ATR-42 aircraft in situ measurements during two POLARCAT campaigns conducted in 2008 during arctic spring and summer.(https://hal.science/hal-00675321)

auteur

Boris Quennehen, Alfons Schwarzenboeck, Jean-François Gayet, C. Gourbeyre, F. Doussière, Jacques Pelon, Kathy S. Law, J. Schmale

article

EGU General Assembly, Apr 2009, Vienna, Austria

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titre

Indications for stellar-crystal fragmentation in Arctic clouds(https://uca.hal.science/hal-01896607)

auteur

Alfons Schwarzenboeck, V. Shcherbakov, R. Lefèvre, J.-F. Gayet, Y. Pointin, C. Duroure

article

Atmospheric Research, 2009, 92 (2), pp.220 - 228. 10.1016/j.atmosres.2008.10.002(https://dx.doi.org/10.1016/j.atmosres.2008.10.002)

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titre

Response of the Nevzorov hot wire probe in clouds dominated by droplet conditions in the drizzle size range(https://hal.science/hal-01981210)

auteur

Alfons Schwarzenboeck, G. Mioche, A. Armetta, A. Herber, J.-F. Gayet

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(https://hal.science/hal-01981210/file/amt-2-779-2009.pdf) (https://hal.science/hal-01981210/bibtex)

titre

On the onset of the ice phase in boundary layer Arctic clouds(https://hal.science/hal-01981212)

auteur

Jean-François Gayet, Renate Treffeisen, Alfred Helbig, Jörg Bareiss, Atsushi Matsuki, Andreas Herber, Alfons Schwarzenboeck

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Journal of Geophysical Research, 2009, 114 (D19), 10.1029/2008jd011348(https://dx.doi.org/10.1029/2008jd011348)

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Increase of the aerosol hygroscopicity by aqueous mixing in a mesoscale convective system: a case study from the AMMA campaign(https://hal.science/hal-00328329)

auteur

S. Crumeyrolle, L. Gomes, Pierre Tulet, A. Matsuki, Alfons Schwarzenboeck, K. Crahan

article

Atmospheric Chemistry and Physics Discussions, 2008, 8 (3), pp.10057-10103

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Increase of the aerosol hygroscopicity by cloud processing in a mesoscale convective sytem: a case study from the AMMA campaign(https://meteofrance.hal.science/meteo-00346962)

auteur

S. Crumeyrolle, L. Gomes, Pierre Tulet, A. Matsuki, Alfons Schwarzenboeck, K. Crahan 1

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Jean-François Gayet, I. S. Stachlewska, O. Jourdan, V. Shcherbakov, Alfons Schwarzenboeck, R. Neuber

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Quantification of graphitic carbon in atmospheric aerosol particles by Raman spectroscopy and first application for the determination of mass absorption efficiencies(https://hal.science/hal-01981264)

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Wolfram Wobrock, Andrea Flossmann, Marie Monier, Jean-Marc Pichon, Laurent Cortez, Jean-François Fournol, Alfons Schwarzenboeck, Stephan Mertes, Jost Heintzenberg, Paolo Laj, Giordano Orsi, Loretta Ricci, Sandro Fuzzi, Harry Ten Brink, Piet Jongejan, René Otjes

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Changes of cloud microphysical properties during the transition from supercooled to mixed-phase conditions during CIME(https://hal.science/hal-01981271)

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Stephan Mertes, Alfons Schwarzenboeck, Paolo Laj, Wolfram Wobrock, Jean-Marc Pichon, Giordano Orsi, Jost Heintzenberg

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Behaviour of H2O2, NH3, and black carbon in mixed-phase clouds during CIME(https://uca.hal.science/hal-01905495)

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Paolo Laj, Andrea Flossmann, Wolfram Wobrock, Sandro Fuzzi, Giordano Orsi, Loretta Ricci, Stephan Mertes, Alfons Schwarzenboeck, Jost Heintzenberg, Harry ten Brink

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auteur

Guiléne Gérémy, Wolfram Wobrock, Andrea Flossmann, Alfons Schwarzenboeck, Stephan Mertes

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