

# Synthèse des communications scientifiques (articles, conférences, stages, thèses...) en lien avec la PCOA

## 2015

Adler, B., N. Kalthoff, M. Kohler, J. Handwerker, A. Wieser, U. Corsmeier, C. Kottmeier, D. Lambert, O. Bock, 2015

*The Variability of Water Vapour and Pre-Convective Conditions over the Mountainous Island of Corsica*  
Quart. J. Roy. Meteor. Soc., DOI:10.1002/qj.2545

Coquillat S., E. Defer, D. Lambert, J.-M. Martin, J.-P. Pinty, V. Pont, and S. Prieur, 2015

*SAETTA: fine-scale observation of the total lightning activity in the framework of the CORSICA atmospheric observatory.*

EGU General Assembly, 12-17 April, Vienne, Autriche

Coquillat S., E. Defer, D. Lambert, J.-M. Martin, J.-P. Pinty, V. Pont, S. Prieur, 2015

*SAETTA: fine-scale observation of the total lightning activity in the framework of the CORSICA atmospheric observatory.*

9<sup>th</sup> HyMeX workshop, 21-25 September, Mykonos, Greece

Crenn V., J. Sciare, P.L. Croteau, S. Verlhac, R. Fröhlich, C.A. Belis, W. Aas, M. Äijälä, A. Alastuey, B. Artiñano, D. Baisnée, N. Bonnaire, M. Bressi, M. Canagaratna, F. Canonaco, C. Carbone, F. Cavalli, E. Coz, M.J. Cubison, J.K. Gietl, D.C. Green, V. Gros, L. Heikkinen, C. Lunder, M.C. Minguillón, G. Močnik, C.D. O'Dowd, J. Ovadnevaite, J.-E. Petit, E. Petralia, L. Poulain, M. Priestman, V. Riffault, A. Ripoll, R. Sarda-Estève, J.G. Slowik, A. Setyan, U. Baltensperger, A.S.H. Prévôt, J.T. Jayne and O. Favez, 2015

*ACTRIS ACSM Intercomparison: part I - Reproducibility of concentration and fragment results from 13 individual Quadrupole Aerosol Chemical Speciation Monitors (Q-ACSM) and consistency with Time-of-Flight ACSM (ToF-ACSM), High Resolution ToF Aerosol Mass Spectrometer (HR-ToF-AMS) and other co-located instruments*

Atm. Meas. Tech., 8, 5063-5087.

Defer E., S. Coquillat, D. Lambert, J.-P. Pinty, V. Pont, and S. Prieur, 2015

*The SAETTA LMA network.*

Joint MTG LI Mission Advisory Group & GOES-R GLM Science Team workshop, CASD, Roma, Italy, 27-29 May.

Fröhlich R., V. Crenn, A. Setyan, C. A. Belis, F. Canonaco, O. Favez, V. Riffault, J. G. Slowik, W. Aas, M. Aijälä, A. Alastuey, B. Artiñano, N. Bonnaire, C. Bozzetti, M. Bressi, C. Carbone, E. Coz, P. L. Croteau, M. J. Cubison, J. K. Esser-Gietl, D. C. Green, V. Gros, L. Heikkinen, H. Herrmann, J. T. Jayne, C. R. Lunder, M. C. Minguillón, G. Močnik, C. D. O'Dowd, J. Ovadnevaite, E. Petralia, L. Poulain, M. Priestman, A. Ripoll, R. Sarda-Estève, A. Wiedensohler, U. Baltensperger, J. Sciare, and A. S. H. Prévôt, 2015

*ACTRIS ACSM intercomparison: part II - Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers.*

Atm. Meas. Tech., 8, 2555-2576.

Lambert D., S. Coquillat, V. Pont, G. Athier, P. Augustin, R. Baïlle, F. Bordier, A. Colomb, E. Defer, H. Delbarre, J.-B. Filippi, F. Gheusi, G. Grignon, C. Jarnot, J.-F. Léon, M. Mallet, J.-M. Martin, F. Morandini, J.-F. Muzy, C. Paoli, J.-M. Pichon, J.-P. Pinty, S. Prieur, E. Richard, F. Saïd, S. Sauvage, J.-L.Savelli, P. Scheffknecht, J. Sciare, X. Silvani, J. Van Baelen, C. Vuillemin, 2015

*CORSICA Atmospheric Observatory in the frame of the MISTRALS enhanced and long-term observation periods.*

9<sup>th</sup> HyMeX workshop, 21-25 September, Mykonos, Greece

Lambert D., S. Coquillat, V. Pont, G. Athier, P. Augustin, R. Baïlle, F. Bordier, C. Bruno, A. Colomb, E. Defer, H. Delbarre, J.-B. Filippi, D. Gazen, F. Gheusi, G. Grignon, V. Gros, C. Jarnot, N. Kalthoff, E. Kügler, J.-F. Léon, M. Mallet, J.-M. Martin, F. Morandini, J.-F. Muzy, C. Paoli, J.-M. Pichon, J.-P. Pinty, S. Prieur, J.-P. Rambaud, P.

Rebillout, E. Richard, F. Saïd, S. Sauvage, J.-L.Savelli, P. Scheffknecht, J. Sciare, X. Silvani, J. Van Baelen, C. Vuillemin, A. Wieser, 2015

*CORSiCA Atmospheric Observatory in the frame of the MISTRALS special, enhanced and long-term observation periods.*

Mistrals International Conference, 20 – 22 Oct. 2015, Marseille, France

Lambert D., 2015

*L'observatoire atmosphérique CORSiCA : un dispositif de mesures de physique et chimie de l'atmosphère pour l'étude de la météorologie régionale, de la pollution atmosphérique, des gaz à effet de serre, de l'environnement régional, du climat.*

Séminaire organisé par l'IUT de Corse dans le cadre de la COP 21, 13 Nov. 2015, Corte, France

Mallet M., F. Dulac, P. Nabat, P. Formenti, J. Sciare, G. Roberts, J. Pelon, D. Tanré, F. Parol, G. Ancellet, L. Blarel, T. Bourrienne, G. Brogniez, P. Chazette, S. Chevaillier, M. Claeys, A. Colomb, C. Denjean, Y. Derimian, K. Desboeufs, J.-F. Doussin, P. Durand, A. Féron, H. Ferré, L. Fleury, E. Freney, P. Goloub, N. Grand, E. Hamonou, M. Jeannot, I. Jankowiak, D. Lambert, J-F Léon, L. Menut, G. Monboisse, J. Nicolas, V. Pont, S. Mailler, T. Podvin, F. Solmon, S. Somot, G. Rea, J.-B. Renard, L. Roblou, A. Schwarzenboeck, K. Sellegri, M. Sicard, J. Totems, B. Torres, S. Triquet et N. Verdier, 2015

*Interactions aérosols-rayonnement-climat méditerranéen : impact de l'effet radiatif direct sur le cycle de l'eau.*

La Météorologie n°91 novembre 2015

Scheffknecht P., E. Richard, and D. Lambert, 2015

*The Role of Corsican Orography in a Localized Heavy Precipitation Event.*

EGU General Assembly, 12-17 April, Vienne, Autriche

Scheffknecht P., E. Richard, and D. Lambert, 2015

*Sensitivity Tests and Ensemble Simulations for a Heavy Precipitation Event over Corsica.*

33<sup>rd</sup> International Conference on Alpine Meteorology, 31 Aug. – 04 Sep 2015, Innsbruck, Austria

Scheffknecht P., E. Richard, and D. Lambert, 2015

*A localized high precipitation event over Corsica triggered by lee side convergence.*

9<sup>th</sup> HyMeX workshop, 21-25 September, Mykonos, Greece

Sciare J., F. Dulac, V. Crenn, E. Hamonou, D. Baisnée, J. B. Nicolas, V. Pont, **D. Lambert**, F. Gheusi, M. Mallet, E. Tison, S. Sauvage, T. Bourrienne, G. Roberts, A. Colomb, J.-M. Pichon, K. Sellegri, and J.-L. Savelli, 2015 *Two years of near real-time observations of the chemical composition of submicron aerosols in Cape Corsica obtained by Q-ACSM.* EGU General Assembly, 12-17 April, Vienne, Austria

Tamas W., 2015

*Prévision statistique de la qualité de l'air et d'épisodes de pollution atmosphérique en Corse.*

Thèse de doctorat de l'Université de Corse Pascal Paoli, soutenue le 17 novembre 2015

Voyant C., W. Tamas, M.-L. Nivet, G. Notton, C. Paoli, A. Balu, M. Muselli, 2015

*Meteorological time series forecasting with pruned multi-layer perceptron and two-stage Levenberg-Marquardt method.*

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