



CNRM, UMR 3589



PUBLICATIONS / PRODUCTIONS

du laboratoire

CNRM, UMR 3589

ANNEE 2015

Version finale

Codification des publications et productions

ACL : Articles dans des revues internationales ou nationales avec comité de lecture répertoriées par l'AERES ou dans les bases de données internationales (ISI Web of Knowledge, Pub Med...).

ACLN : Articles dans des revues avec comité de lecture non répertoriées par l'AERES ou dans des bases de données internationales.

ASCL : Articles dans des revues sans comité de lecture.

C-INV : Conférences données à l'invitation du Comité d'organisation dans un congrès national ou international.

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AP : Autres productions : bases de données, logiciels enregistrés, comptes rendus d'ouvrages, rapports de fouilles, guides techniques, catalogues d'exposition, rapports intermédiaires de grands projets internationaux, etc.

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- ❑ les **THESES**
- ❑ les **HDR** (Habitations à Diriger des Recherches)



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ACL

**Articles dans des revues internationales ou nationales avec comité de lecture
répertoriées par l'AERES ou dans les bases de données internationales
(ISI Web of Knowledge, Pub Med...)**

2015

GMAP

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GMAP-2015-ACL-10 : Descamps, L., C. Labadie, A. Joly, E. Bazile, P. Arbogast, P. Cébron: PEARP, the Météo-France short-range ensemble prediction system. Quarterly Journal of the Royal Meteorological Society, Volume : 141, Issue : 690, Pages : 1671-1685, Part : A, Doi : 10.1002/qj.2469. Published: JUL 2015.

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GMAP-2015-ACL-20 : Rivière G. , P. Arbogast et A. Joly: Eddy kinetic-energy redistribution within idealized extratropical cyclones using a two-layer quasi-geostrophic model. Quarterly journal of the Royal Meteorological Society, Volume: 141, Issue: 686, Pages: 207-223, Part: A, Doi : 10.1002/qj.2350. Published : JAN 2015.

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GMEI-2015-ACL-1 : Elias, T., J.-C. Dupont, E. Hammer, C. R. Hoyle, M. Haeffelin, F. Burnet, and D. Jolivet: Enhanced extinction of visible radiation due to hydrated aerosols in mist and fog, *Atmospheric Chemistry and Physics*, Volume: 15, Issue: 12, Pages: 6605-6623, Doi : 10.5194/acp-15-6605-2015. Published: 2015.

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GMEI-2015-ACL-5 : Modini, R. L., A. A. Frossard, L. Ahlm, L. M. Russell, C. E. Corrigan, G. C. Roberts, L. N. Hawkins, J. C. Schroder, A. K. Bertram, R. Zhao, A. K. Y. Lee, J. P. D. Abbatt, J. Lin, A. Nenes, Z. Wang, A. Wonaschutz, A. Sorooshian, K. J. Noone, H. Jonsson, J. H. Seinfeld, D. Toom-Saunty, A. M. Macdonald, and W. R. Leaitch, Primary marine aerosol-cloud interactions off the coast of California, *Journal of Geophysical Research: Atmospheres*, Volume : 120, Issue: 9, Pages: 4282-4303, Doi : 10.1002/2014JD022963. Published: MAY 16 2015.

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GMGEC

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GMGEC-2015-ACL-3 : Andrello, M., D. Mouillot, S. Somot, W. Thuiller, and S. Manel, 2014 : Additive effects of climate change on connectivity among marine protected areas and larval supply to fished areas. *Diversity and Distributions*, Volume: 21, Issue: 2, Pages: 139-150, Doi : 10.1111/ddi.12250. Published : FEB 2015.

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CEN-2015-ASCL-3 : Claude, C., P. Spandre, A. Guerrand et C. Carmagnola, 2015. : Gestion du capital neige. Quand la recherche exporte ses conclusions sur le terrain. DSF Magazine, N° 39, Pages: 11-13, Published: Juillet 2015.

CEN-2015-ASCL-4 : Perretier, C. and P. Spandre, 2015 : Gestion de la neige et préparation des pistes : bilan et perspectives. Montagne Leaders, N° 249, Pages 34-35, Url: http://www.cnrm-game-meteo.fr/IMG/pdf/249montl_adsp.pdf, Published: MAI-JUN 2015.



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C-INV

**Conférences données à l'invitation du Comité d'organisation
dans un congrès national ou international**

2015

GMAP

GMAP-2015-C-INV-1 : E. Bazile : GABLS4: An Inter-Comparison Case to Study the Stable Boundary Layer on the Antarctic Plateau. 26th IUGG, 22/6 -2/7, Prague.

GMAP-2015-C-INV-2 : Berre L.: Background error covariance modelling. International workshop on Theoretical aspects of ensemble assimilation for the Earth system. Les Houches, 5-10/04/2015.

GMAP-2015-C-INV-3 : Berre L.: Estimation and representation of background error covariances. Workshop on Sensitivity Analysis and Data Assimilation in Meteorology and Oceanography. Roanoke, USA, 1-5 June 2015.

GMAP-2015-C-INV-4 : Boullot, N.: L'utilisation des données GNSS radio-occultation en prévision numérique du temps. 2015 ESTERS thematic day: Meteorology: from atmosphere to space. 18-19 Juin 2015, Meudon (France)

GMAP-2015-C-INV-5 : Bouyssel F.: Seamless prediction of weather and climate: an opportunity and a challenge for physical parametrisation development. in Physical processes in present and future large-scale models. ECMWF annual seminar 2015.

GMAP-2015-C-INV-6 : Bouyssel, F.: Aperçu de la prévision numérique du temps à travers les outils mis en oeuvre à Météo-France. 2015 ESTERS thematic day: Meteorology: from atmosphere to space. 18-19 Juin 2015, Meudon (France)

GMAP-2015-C-INV-7 : Desroziers G.: Development of 4DEnVar at Météo-France. International workshop on Theoretical aspects of ensemble data assimilation for the Earth system. Les Houches, 5-10/04/2015.

GMAP-2015-C-INV-8 : Guidard V.: Météorologie : des instruments innovants. Académie de l'Air et de l'Espace, 28/04/2015.

GMAP-2015-C-INV-9 : Guidard V.: Météorologie : des instruments innovants. Palais de la Découverte (Paris), 19/11/2015.

GMAP-2015-C-INV-10 : Mahfouf, J.-F., N. Boullot & P. Moll: Utilisation des données GNSS pour la prévision numérique du temps. Journée GNSS et Science, 29 Janvier 2015, Paris (France)

GMAP-2015-C-INV-11 : Mahfouf, J.-F.: Utilisation des observations satellitaires en prévision numérique du temps opérationnelle. Atelier Transfert Radiatif dans les Atmosphères Terrestres pour les Observations Spatiales (Trattoria) 2015, 23-25 Mars 2015, Lille (France)

GMAP-2015-C-INV-12 : Mahfouf, J.-F.: Assimilation de données pour la prévision numérique du temps. 2015 ESTERS thematic day: Meteorology: from atmosphere to space. 18-19 Juin 2015, Meudon (France)

GMAP-2015-C-INV-13 : Mahfouf, J.-F.: Research activities at Météo-France. Internal seminar at CMA. Radar data assimilation at Météo-France. Surface analysis in NWP models at Météo-France. NWP at Météo-France: recent operational changes and short term plans. Forecast sensitivity to Observations: recent experience at Météo-France. Internal seminars at CMA, Pékin (Chine), 26-27 Octobre 2015

GMAP-2015-C-INV-14 : Mahfouf, J.-F.: Clouds and precipitation modeling in NWP models: relevance for data assimilation of satellite observations, 3rd Joint JCSDA/ECMWF Workshop on Assimilating Satellite Observations of Cloud and Precipitation into NWP models, NCWCP, College Park, MD (USA), 1-3 Décembre 2015

GMAP-2015-C-INV-15 : Michel Y.: An anisotropic correlation/localization model based on objective spatial deformations. International workshop on Theoretical aspects of ensemble data assimilation. Les Houches, 5-10/04/2015.

GMAP-2015-C-INV-16 : Montmerle T., 2016 : Key note : Short range Numerical Weather Prediction-SRNWP. 44th Coordination Group for Meteorological Satellites, Biot, France.



GMAP-2015-C-INV-17 : Montmerle T., 2015 : Representing forecast errors of cloud and precipitations observations in high-resolution NWP systems. 3rd Joint JCSDA-ECMWF Workshop on Assimilating Satellite Observations of Clouds and Precipitation into NWP Models, College Park, Maryland, USA.

GMAP-2015-C-INV-18 : Pannekoucke O.: Modelling of local length-scale dynamics and isotropizing deformations..Tours, 29-30 janvier 2015

GMAP-2015-C-INV-19 : Pannekoucke O.: Practical use of the length-scale. International workshop on Theoretical aspects of ensemble data assimilation for the Earth system. Les Houches, 5-10/04/2015.

GMGEC

GMGEC-2015-C-INV-1 : Chevallier, M., 2015 : Sea ice and subseasonal predictability. Talk invité. Workshop on subseasonal predictability, organisé par le CEPMMT, 2-5 novembre 2015, Reading, Grande-Bretagne.

GMGEC-2015-C-INV-2 : Chevallier, M., Blanchard-Wrigglesworth, E., Day, J., Guémas, V., Massonnet, F., 2015: Seasonal sea ice forecasting: brief overview - challenges for YOPP. Talk invité. YOPP Summit, organisé à l'OMM, 13-15 juillet 2015, Genève, Suisse.

GMGEC-2015-C-INV-3 : Colin, J., C. Ardilouze, J. Cattiaux, B. Decharme, C. Delire, H. Douville and R. Séférian : Soil moisture feedbacks on summer temperatures : seasonal forecast and clim

GMGEC-2015-C-INV-4 : Déqué, M., 2015 : How CMIP5 bias can invert the precipitation response in EuroCordex:The Aladin case. Conférence "Global change : a complex challenge", 23 mars 2015, Brno.

GMGEC-2015-C-INV-5 : Douville, H., and A. Voltaire, 2015 : What can we learn from the recent global-warming hiatus about climate variability and climate models? Séminaire invité à l'ETH, 27 avril 2015, Zurich.

GMGEC-2015-C-INV-6 : Douville, H., J. Cattiaux, J. Colin, and R. Schoetter, 2015 : Land surface contributions to model uncertainties in heat wave and drought projections. WCRP workshop on "Advancing our understanding and modeling of climate extremes by combining physical insights with statistical methodology", 5-7 octobre 2015, Oslo.

GMGEC-2015-C-INV-7 : Planton, S., 2015 : Application of climate services at the regional and sub-regional scales. Copernicus climate projection Workshop organisée par le CEPMMT, 20 avril 2015, Reading, Grande-Bretagne.

GMGEC-2015-C-INV-8 : Planton, S., 2015 : Approche scientifique des problèmes climatiques. Colloque national des ingénieurs territoriaux « Climat et territoire », 11 juin 2015, Toulouse.

GMGEC-2015-C-INV-9 : Planton, S., 2015 : Changement climatique passé et futur :de la planète à la France. Colloque « Climat, un défi entre vos mains », 18 juin 2015, Toulouse.

GMGEC-2015-C-INV-10 : Planton, S., 2015 : Climate predictions and projections in support of climate services. Colloque « Our common future under climate change », session parallèle « The Copernicus Climate Change Service : an European answer to Climate Change Challenges », 9 juillet 2015, Paris.

GMGEC-2015-C-INV-11 : Planton, S., 2015 : Les experts sur le climat dressent leur bilan. Colloque « Le climat c'est notre culture, en route vers la COP21, organisé par Ecocert et Jazz in Marciac, 3 août 2015, Marciac.

GMGEC-2015-C-INV-12 : Planton, S., 2015 : Climate change: the physical science basis. Colloque "The Economics of Energy and Climate Change" organisé par la Toulouse School of Economics, 8 septembre 2015, Toulouse.

GMGEC-2015-C-INV-13 : Planton S., 2015 : Le climat actuel et son évolution future. Colloque « Modélisation des climats : du passé géologique aux siècles futurs », Académie des sciences, 22 septembre 2015, Paris.



GMGEC-2015-C-INV-14 : Planton, S., 2015 : Evolution du climat et tendances globales. Séminaire franco-slovaque "Agir face aux risques climatiques" organisé par l'Ambassade de France en Slovaquie, 24 septembre 2015, Bratislava.

GMGEC-2015-C-INV-15 : Planton, S., 2015 : Mise en place du GIEC et points clés des rapports d'évaluation et rapports spéciaux. Journée scientifique « Météo et Climat », 29 octobre, Paris.

GMGEC-2015-C-INV-16 : Planton, S., 2015 : Le climat : de la planète à Midi-Pyrénées. Colloque « Les territoires haut-garonnais en action face au changement climatique ». Organisé par le Conseil départemental de la Haute-Garonne et le Syndicat Mixte pour l'Etude et la Protection de l'Environnement (SMEPE), 4 novembre 2015, Paris.

GMGEC-2015-C-INV-17 : Planton, S., 2015 : Perspectives du changement climatique. Colloque « Agir aujourd'hui pour le littoral de demain », 18 novembre 2015, Montpellier.

GMME

GMME-2015-C-INV-1 : Boone, A., Y. Xue, F. De Sales, R. Comer, S. Hagos, S. P. Mahanama, G. Song, G. Wang, K. Schiro, R. Koster, C.R. Mechoso, 2015: On the Impact of Land Use and Land Cover Change on the West African Monsoon: Approach and Results from the WAMME Inter-comparison Project. American Geophysical Union, Montréal, Canada, May 3-7, 2015.



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C-ACTI

Communications avec actes dans un congrès international



2015

GMAP

GMAP-2015-C-ACTI-1 : Q. Rodier, V. Masson, A. Paci, P. Marquet, G. Canut: High-resolution large eddy simulations of stably stratified turbulence in free atmosphere. Vol. 12. EMS Annual Meeting, 15th EMS / 12th ECAM. Sofia. 7-11 September 2015.

GMAP-2015-C-ACTI-2 : Chambon P., Zhang S.Q., Haddad Z., Faure G., Montmerle T., Borderies M., Mahfouf J.-F., 2015 : Investigating the impact of the SAPHIR microwave rainy and cloudy observations within the AROME regional mode. EUMETSAT Met. Sat. Conf., Toulouse, France.

GMAP-2015-C-ACTI-3 : Michel Y. and T. Montmerle, 2015 : Development of a new ensemble data assimilation scheme for the kilometric scale AROME model. 9th HyMeX workshop, Mykonos, Greece.

GMAP-2015-C-ACTI-4 : T. Montmerle, E. Arbogast, P. Brousseau and Y. Michel, 2015 : Preliminary test of an EnVar for the operational AROME-France NWP system at convective scale. 4th International Symposium on Data Assimilation, Kobe, Japon

GMEI

GMEI-2015-C-ACTI-1 : M. Claeys ; G. Roberts ; M. Mallet ; J. Sciare ; J. Arndt ; N. Mihalopoulos: Modelling and characterisation of sea salt aerosols during ChArMEx-ADRIMED campaign in Ersa, 2015, Abstract Vol. 16, EGU2015-11366

GMEI-2015-C-ACTI-2 : M. Claeys ; M. Mallet ; G. Roberts ; P. Tulet ; J. Sciare ; J. Arndt : Marine aerosols : Analyse of ChArMEx-ADRIMED field campaign data and Modelling with Meso-NH

GMEI-2015-C-ACTI-3 : Dupont J.-C., M. Haeffelin, T. Elias, F. Burnet, J. Delanoë, L. Musson-Genon, E. Dupont, J. Sciare and V. Crenn. 2015-C-COM : ParisFog : observations brouillard au SIRTa et études de processus associées. Ateliers de modélisation de l'atmosphère (AMA) 2015, Jan 2015, Toulouse.

GMEI-2015-C-ACTI-4 : Martinet, P., A. Dabas, V. Lever, P. Flamant, D. Huber: L2A aerosol products from the future space lidar mission ADM-Aeolus: algorithms and results. EUMETSAT Meteorological Satellite Conference, 21-25 septembre 2015, Toulouse, France.

GMEI-2015-C-ACTI-5 : Mazoyer M., F. Burnet, G. Roberts, J.-C. Dupont, M. Haeffelin and T. Elias. 2015-C-COM : Impact du processus d'activation sur les propriétés microphysiques du brouillard. Ateliers de modélisation de l'atmosphère (AMA) 2015, Jan 2015, Toulouse.

GMEI-2015-C-ACTI-6 : Mazoyer M., F. Burnet, G. Roberts, J.-C. Dupont, M. Haeffelin and T. Elias. 2015-C-COM : Impact du processus d'activation sur les propriétés microphysiques du brouillard. Ateliers de modélisation de l'atmosphère (AMA) 2015, Jan 2015, Toulouse.

GMEI-2015-C-ACTI-7 : Mazoyer M., Burnet F., Lac C., Roberts G., Dupont J.-C., Haeffelin M., Elias T., Impact of activation process on fog life cycle, European Geosciences Union, 12-17 avril 2015, Vienne, Autriche.

GMEI-2015-C-ACTI-8 : Mazoyer M., Burnet F., Lac C., Roberts G., Dupont J.-C., Haeffelin M., Elias T., Impact of activation process on fog life cycle, Union Geodesique et Geophysique Internationale, 22 juin au 2 juillet 2015, Prague, République Tchèque.

GMEI-2015-C-ACTI-9 : mCERES: multi-dimensional Cloud-aERosol Exploratory Study, International Society for Atmospheric Research using Remotely piloted Aircraft, oral presentation, Norman, Oklahoma, USA, 2015.



GMEI-2015-C-ACTI-10 : Bottom-up and top-down closure of aerosol-cloud interactions: multi-dimensional Cloud-aERosol Exploratory Study using RPAS, American Geophysical Union, poster presentation, San Francisco, CA, USA, 2015.

GMEI-2015-C-ACTI-11 : mCERES: multi-dimensional Cloud-aERosol Exploratory Study, BACCHUS Workshop, oral presentation, Zurich, 2015.

GMEI-2015-C-ACTI-12 : UAS for Atmospheric Research, ISAE Master Drone, seminar, Salon de Provence, 2015.

GMEI-2015-C-ACTI-13 : Tav J., O. Masson, F. Burnet, A. De Visme, P. Paulat, T. Bourrienne, S. Conil, and M. Simon, 2015-C-COM : Deposition of radionuclides by fogwater on plants at Houdelaincourt, France, Geophysical Research Abstracts, Vol. 17, EGU2015-15562, EGU General Assembly 2015, Vienna, Austria, 12-17 April 2015

GMGEC

GMGEC-2015-C-ACTI-1 : Rome, S., G. Caniaux, J. Ringard, B. Dieppois, et A. Diedhiou, 2015: Identification de tendances récentes et ruptures d'homogénéité des températures : exemple en Afrique de l'Ouest et sur l'océan Atlantique Tropical. Actes du XXVIII Colloque de l'Association Internationale de Climatologie (AIC) 2015, 1-4 juillet 2015, Liège, Belgique.

GMME

GMME-2015-C-ACTI-1 : Masson, V., Julia Hidalgo, Alexandre Amossé, Fateh Belaid, Erwan Bocher, Marion Bonhomme, Alexis Bourgeois, Geneviève Bretagne, Sophie Caillerez, Erwan Cordeau, Coralie Demazeux, Serge Faraut, Cécile Gallato, Sinda Haoues-Jouve, Marie-Laure Lambert, Aude Lemonsu, Renaud Lestringant, Jean-Pierre Lévy, Nathalie Long, Claudia-Ximena Lopez, Margot Pellegrino, Gwendall Petit, Cécilia Pignon, Christine Plumejeaud, Valentine Ruff, Robert Schoetter, Nathalie Tornay, Didier Vyé, « Urban Climate, Human behavior and Energy consumption : from LCZ mapping to simulation and urban planning (the MapUCE project) », 9th International Conference on Urban Climate, 20-24 juillet 2015, Toulouse, France

GMME-2015-C-ACTI-2 : See, L., Jason Ching, Valéry Masson, Johannes Feddema, Gerald Mills, Marina Neophytou, Mícheál Foley, Martin O'Connor, Christoph Perger, Martina Duerauer, Steffen Fritz, Benjamin Bechtel, « Generating WUDAPT's Specific Scale-dependent Urban Modeling and Activity Parameters: Collection of Level 1 and Level 2 Data », 9th International Conference on Urban Climate, 20-24 juillet 2015, Toulouse, France

GMME-2015-C-ACTI-3 : Karsisto, P., Carl Fortelius, Matthias Demuzere, Sue Grimmond, Keith Oleson, Valery Masson, Rostislav Kouznetsov, Leena Järvi, « Seasonal comparison of three urban land surface schemes in a high-latitude city of Helsinki », 9th International Conference on Urban Climate, 20-24 juillet 2015, Toulouse, France

GMME-2015-C-ACTI-4 : Jason, K Ching, Gerald Mills, Linda See, Benjamin Bechtel, Johannes Feddema, Adel Hanna, Grega Milcinski, Valery Masson, Marina Neophytou, Iain Stewart, Xuemei Wang, Chandana Mitra, «The Portal Component, Strategic Perspectives and Review of Tactical plans for Full Implementation of WUDAPT », 9th International Conference on Urban Climate, 20-24 juillet 2015, Toulouse, France

GMME-2015-C-ACTI-5 : Viguié, V., Valéry Masson, Aude Lemonsu, Marion Bonhomme, Geneviève Bretagne, Cécile de Munck, Stéphane Hallegatte, Julia Hidalgo, Thomas Houet, Nathalie Long, Colette Marchadier, Marie-Pierre Moine, Laurence Nologues, Grégoire Pigeon, Jean-Luc Salagnac, Kamel Zibouche, « Adapting cities to climate Change : a systemic modelling approach », 9th International Conference on Urban Climate, 20-24 juillet 2015, Toulouse, France



GMME-2015-C-ACTI-6 : Leauthaud, C., J. Demarty, B. Cappelaere, M. Grippa, L. Kergoat, C. Velluet, E. Guichard, E. Mougin, S. Chelbi and B. Sultan, 2015 : Revisiting historical climatic signals to better explore the future : prospects of water cycle changes in Central Sahel. Proc. IAHS, 371, 195–201, 2015, doi:10.5194/piahs-371-195-2015

GMME-2015-C-ACTI-7 : Pouponneau, B., Thierry Duguin, Julien Desplat, Marie-Pierre Moine, Dominique Giard, Valery Masson, Evelyne Pesin, Yves Bidet, Olivier Lemaitre, Sophie MARTINONI-LAPIERRE , « Knowledge and technological transfer: a user-friendly multi-model platform for consulting services to simulate the evolution of the city and the urban climate over a century, from a prototype developed within the multidisciplinary project ACCLIMAT », 9th International Conference on Urban Climate, 20-24 juillet 2015, Toulouse, France



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C-ACTN

Communications avec actes dans un congrès national



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2015

GMEI

GMEI-2015-C-ACTN-1 : Claeys, M. ; M. Mallet ; G. Roberts ; P. Tulet : Ongoing Developments in the model Méso-NH for emission of primary sea salt aerosols

GMEI-2015-C-ACTN-2 : Mazoyer M., F. Burnet, C. Lac, 2015-C-COM : Impact du processus d'activation sur les propriétés microphysiques des brouillards et sur leur cycle de vie, Journée Scientifique du SIRTA, Palaiseau, 22 juin 2015

GMEI-2015-C-ACTN-3 : Burnet F., P.-E. Brilouet, M. Mazoyer, T. Bourriane, J.-M. Etcheberry, B. Gaillard, G. Momboisse, D. Legain, D. Tzanos, J. Barrié, S. Barrau et S. Defoy, 2015-C-AFF : Etude expérimentale du profil vertical des propriétés microphysiques du brouillard à partir de mesures par ballon captif et tour instrumentée, Journée Scientifique du SIRTA, Palaiseau, 22 juin 2015



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AP

Autres productions : bases de données, logiciels enregistrés, traductions, comptes rendus d'ouvrages, rapports de fouilles, guides techniques, catalogues d'exposition, rapports intermédiaires de grands projets internationaux, etc.



2015

GMAP

GMAP-2015-AP-1 : A. Brown, M. Miller, A. Beljaars, F. Bouyssel, C. Holloway and J. Petch: Challenges for sub-gridscale parameterizations in atmospheric models. Pages 171-185. World Meteorological Organization, 2015: Seamless Prediction of the Earth System: from Minutes to Months, (G Brunet, S Jones, PM Ruti Eds.), (WMO-No. 1156), (ISBN 978-92-63-11156-2), Geneva.

GMAP-2015-AP-2 : Chambon P., V. Grützun, J.-F. Mahfouf, F. Duruisseau, S. Bühler and R. Roca.: Geosounder Requirements Consolidation Study. WP 1 : Review. ESA Report, 18 pp.

GMAP-2015-AP-3 : Chambon P., R. Roca., J.-F. Mahfouf: Geosounder Requirements Consolidation Study. WP 2.1 : Autocorrelation analysis of synthetic and observed 183GHz data in space and time. ESA Report, 54 pp.

GMAP-2015-AP-5 : Duruisseau F, Brogniez H, Chambon P: Geosounder Requirements Consolidation Study. WP 2.4 : Humidity retrieval sensitivity. ESA Report, 30 pp.

GMAP-2015-AP-6 : Duruisseau F, Chambon P, Mahfouf J-F: Geosounder Requirements Consolidation Study. WP 3: Observing System Simulation Experiment. ESA Report 30pp

GMAP-2015-AP-7 : Joly A.: Extra-tropical Cyclones. Encyclopedia of Atmospheric Sciences, 2nd edition, 5, 304–336. Gerald R. North (editor-in-chief), John Pyle and Fuqing Zhang (editors), ISBN: 9780123822253. Gerald R. North (editor-in-chief), John Pyle and Fuqing Zhang (editors). Elsevier Ltd. <http://www.sciencedirect.com/science/article/pii/B9780123822253001286>

GMAP-2015-AP-9 : Mahfouf, J.-F.: Geosounder Requirements Consolidation Study. WP 2.2 : Impact of the temporal frequency of observations on information content. ESA Report, 16 pp.

GMAP-2015-AP-10 : Mahfouf, J.-F., J. Pailleux, N. Boullo, T. Grelier, A. Hauchecorne, et M. Manda.: Expression du besoin en mesures du type GNSS-RO (Radio-Occultation) – User Requirement Document, Rapport CNES, 30 pp.

GMAP-2015-AP-12 : Wattrelot, E. and J.-F. Mahfouf (2015). Preliminary studies using AROME model of WIVERN impact. Rapport interne Météo-France, 14 pp

GMEI

GMEI-2015-AP-1 : Park, Y.S., Lek, S., Baehr, C. Ed, Advanced Modelling Techniques Studying Global Changes in Environmental Sciences, Developments in Environmental Modelling , Elsevier, 2015, ISBN: 044463536X

GMEI-2015-AP-4 : M. Claeys ; P. Tulet ; M. Mallet ; G. Roberts ; T. Hoarau : Nouvelle paramétrisation du schéma d'émission d'aérosols marins primaires et application au bassin méditerranéen

GMEI-2015-AP-5 : Dabas, A.: Calibration processors of Aeolus. AEOLUS Science and Cal/Val workshop 10-13 février 2015, Frascati, Italie.

GMEI-2015-AP-6 : Dabas, A., P. Chazette, A. hertzog, A. Hauchecorne, J. Pelon, D. Bruneau, J. P. Cammas, P. Flamant, D. Edouart. French plans for Aeolus cal/val. AEOLUS Science and Cal/Val workshop 10-13 février 2015, Frascati, Italie.



GMEI-2015-AP-8 : Martinet, P., A. Dabas, V. Lever, P. Flamant, T. Kanitz, J. De Kloe, D. Huber: ADM-AEOLUS L2A aerosol and cloud products. ADM-AEOLUS Science and Cal/Val workshop, 10-13 février 2015, Frascati, Italie.

GMEI-2015-AP-9 : Martinet Pauline, Dabas Alain , Lever Vincent , Flamant Pierre , Huber Dorit: Aerosol Products from the future space lidar AEOLUS, International Laser Radar Conference, 6-10 Juillet 2015, New-York, Etats-Unis.

GMEI-2015-AP-10 : Cimini, D., F. De Angelis, J. Hocking, P. Martinet: RTTOV for ground-based MWR, E2S13030, TOPROF, SWG 3.2 report, MettOffice, Exeter, 30 mars-1 avril 2015.

GMEI-2015-AP-11 : Lucie Rottner; Christophe Baehr : Real time turbulence estimation using Doppler lidar measurements; 27th International Laser Radar Conference, New-York, Etats-Unis, juillet 2015.

GMGEC

GMGEC-2015-AP-3 : Planton, S., G. Le Cozannet, A. Cazenave, S. Costa, O. Douez, P. Gauffrès, F. Hissel, D. Idier, V. Laborie, V. Petit, et P. Sergent, 2015 : Changement climatique et niveau de la mer : de la planète aux côtes françaises. Le climat de la France au XXI^e siècle, Volume 5. Rapport de la mission Jean Jouzel, février 2015, Ministère de l'Écologie, du Développement Durable et de l'Énergie, 69 pp.



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THESES

2015

GMAP

GMAP-2015-AP-4 : Coronel, B., 2015 : "Impact des processus humides sur les dépressions des latitudes tempérées" le mercredi 25 novembre 2015 à 14h en salle Joël Noilhan. Accès au résumé.

GMAP-2015-AP-8 : Legrand, R., 2015 : "Utilisation des déformations spatiales en assimilation de données" le jeudi 10 décembre 2015 à 14h en salle Joël Noilhan. Accès au résumé.

GMAP-2015-AP-11 : Oger, N., 2015 : "Observation adaptative : limites de la prévision et du contrôle des incertitudes" le 2 juillet 2015. Accès au résumé.

GMEI

GMEI-2015-AP-2 : Bordoï, L., 2015 : "Modélisation numérique de la marée interne : contrôles hydrauliques et topographiques" le 6 octobre 2015.

GMEI-2015-AP-3 : Campi, A., 2015 : "Reconstitution par filtrage non linéaire de milieu turbulent et rétrodiffusant à l'aide d'une combinaison de LIDARs Doppler et aérosols" le mercredi 9 décembre 2015 à 14h en salle MIP à l'Institut de Mathématiques de Toulouse. Accès au résumé.

GMEI-2015-AP-7 : Ichard, C., 2015 : "Estimation jointe de milieu et processus aléatoire par des techniques de filtrage non-linéaire : application aux prévisions météorologiques d'ensemble et aux trajectoires avions" le 25 septembre 2015. Accès au résumé.

GMEI-2015-AP-12 : Rottner, L., 2015 : "Reconstruction de l'atmosphère turbulente à partir d'un lidar Doppler 3D et étude du couplage avec Meso-NH" le mercredi 2 décembre 2015 à 14h au CIC. Accès au résumé.

GMGEC

GMGEC-2015-AP-1 : Guth, J., 2015 : "Modélisation des aérosols à l'aide du modèle de chimie transport MOCAGE : application à la qualité de l'air sur le bassin méditerranéen" le lundi 14 décembre 2015 à 14h en salle Joël Noilhan. Accès au résumé.

GMGEC-2015-AP-2 : Freville, H., 2015 : "Observation et simulation de la température de surface en Antarctique : application à l'estimation de la densité superficielle de la neige" le mardi 24 novembre 2015. Accès au résumé.

GMGEC-2015-AP-4 : Planton, Y., 2015 : "Source de la variabilité interannuelle de la langue d'eau froide atlantique" le mardi 10 novembre 2015 à 14h en salle de conférences Joël Noilhan. Accès au résumé.

GMME

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