



**PUBLICATIONS / PRODUCTIONS**

**du laboratoire**

**CNRM/GAME, URA 1357**

**ANNEE 2008**

**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.

**C-ACTI** : Communications avec actes dans un congrès international.

**C-ACTN** : Communications avec actes dans un congrès national.

**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.

Dans cette dernière catégorie sont dissociées :

- les **THESES**
- les **HDR** (Habilitations à Diriger des Recherches)

# 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...)**

# 2008

## GMAP

**GMAP-2008-ACL-1** : Arbogast Ph., K. Maynard and F. Crépin: ERTEL Potential inversion using a digital-filter-initialization method. Quarterly Journal of the Royal Meteorological Society, Volume : 134, Pages : 1287-1296. Doi : 10.1002/qj.283.

**GMAP-2008-ACL-2** : Carassi, A., A. Trevisan, L. Descamps, O. Talagrand, et F. Ubaldi : Controlling instabilities along a 3DVAR analysis cycle by assimilating in the unstable subspace : a comparison with the EnKF. Nonlinear Processes in Geophysics, Volume : 15, Issue : 4, Pages : 503-521, Published : 2008.

**GMAP-2008-ACL-3** : Catry, B., J.-F. Geleyn, F. Bouyssel, J. Cediñik, R. Brozkova, M. Derkova and R. Mladek: A new sub-grid scale lift formulation in a mountain drag parameterisation scheme. Meteorologische Zeitschrift, Volume : 17, Issue : 2, Pages : 193-208, Published : 2008. Doi : 10.1127/0941-2948/2008/0272.

**GMAP-2008-ACL-4** : Guidard V., Fischer C.: Introducing the coupling information in a limited area variational assimilation, Quarterly Journal of the Royal Meteorological Society, Volume : 134, Pages : 723-735. Doi : 10.1002/qj.215.

**GMAP-2008-ACL-5** : Montröty R., F. Rabier, S. Westrelin, G. Faure and N. Viltard: Impact of wind bogus and cloud and rain affected SSM/I data on tropical cyclones analyses and forecasts. Quarterly Journal of the Royal Meteorological Society, Volume : 134, Pages : 1673-1699. Doi : 10.1002/qj.308.

**GMAP-2008-ACL-6** : Pannekoucke O., L. Berre , and G. Desroziers: Background error correlation length-scales and their sampling statistics. Quarterly Journal of the Royal Meteorological Society, Volume : 134, Issue : 631, Pages : 497-508, Part : Part B Published: JAN 2008. Doi : 10.1002/qj.212.

**GMAP-2008-ACL-7** : Pannekoucke, O., and S. Massart. Estimation of the local diffusion tensor and normalization for heterogeneous correlation modelling using a diffusion. Quarterly Journal of the Royal Meteorological Society, Volume : 134, Issue : 635, Pages : 1425-1438, Part : Part b, Published : JUL 2008. Doi : 10.1002/qj.288.

**GMAP-2008-ACL-8** : Plu M., Ph. Arbogast and A. Joly 2008 ; A wavelet representation of synoptic-scale coherent structures. Journal of the Atmospheric Sciences, Volume : 65, Issue : 10, Pages : 3116-3138. Published: OCT 2008. DOI : 10.1175/2008JAS2618.1.

**GMAP-2008-ACL-9** : Poli P., S. B. Healy, F. Rabier, and J. Pailleux:: Preliminary Assessment of the Scalability of GPS Radio Occultations Impact in Numerical Weather Prediction, Geophysical Research Letters, Volume : 35, Issue : 23, Article Number : L23811, Published : DEC 10 2008. Doi : 10.1029/2008GL035873.

**GMAP-2008-ACL-10** : Rabier F., Gauthier , P., Cardinali, C., Langland, R., Tsyrulnikov, M., Lorenc, A., Steinle, P., Gelaro, R., Koizumi, K.: An update on THORPEX-related research in Data Assimilation and Observing Strategies. Nonlinear Processes in Geophysics, Volume : 15, Issue : 1, Pages : 81-94.

**GMAP-2008-ACL-11** : Raynaud L., L. Berre , and G. Desroziers : Spatial averaging of ensemble-based background-error variances. Quarterly Journal of the Royal Meteorological Society, Volume : 134, Pages : 1003-1014. Doi : 10.1002/qj.245.

**GMAP-2008-ACL-12** : Rivière G.: Barotropic regeneration of upper-level synoptic disturbances in different configurations of the zonal weather regime. Journal of the Atmospheric Sciences, Volume : 65, Issue : 10, Pages : 3159-3178, Published : OCT 2008. Doi : 10.1175/2008JAS2603.1.

**GMAP-2008-ACL-13** : Rivière O., G. Lapeyre and O. Talagrand : Nonlinear Generalization of Singular Vectors : Behaviour in a Baroclinic Unstable Flow. Journal of the Atmospheric Sciences, Volume : 65, Issue : 6, Pages : 1896-1911, Published: JUN 2008. Doi : 10.1175/2007JAS2378.1.

**GMAP-2008-ACL-14** : Termonia, P. and F. Voitus: Externalizing the lateral-boundary conditions from the dynamical core in the semi-implicit semi-Lagrangian models. Tellus SERIES A-Dynamic Meteorology and Oceanography, Volume : 60, Issue : 4, Pages : 632-648. Published : AUG 2008. Doi : 10.1111/j.1600-0870.2008.00334.x

**GMAP-2008-ACL-15** : Vána F., P. Bénard, J-F. Geleyn, A. Simon and Y. Seity: 2008, Semi-Lagrangian advection scheme with controlled damping: An alternative to nonlinear horizontal diffusion in a numerical weather prediction model. Quarterly Journal of the Royal Meteorological Society. Volume : 134, Issue,: 631, Pages : 523-537. Part : Part b, Published : JAN 2008. Doi : 10.1002/qj.220.

## GMEI

**GMEI-2008-ACL-1** : Bou Karam, D., C. Flamant, P. Knippertz, O. Reitebuch, J. Pelon, M. Chong, et A. Dabas, Dust emissions over the Sahel associated with West-African Monsoon inter-tropical discontinuity region : a representative case study, Quarterly Journal of the Royal Meteorological Society, Volume : 134, Pages : 621–634. Doi : 10.1002/qj.244.

**GMEI-2008-ACL-2** : Bousquet, O., P. Tabary, and J. Parent du Chatelet, Operational multiple-Doppler wind retrieval inferred from long range radar velocity measurements, Journal of Applied Meteorology Climatology, Volume : 47, Pages : 2929–2945. Doi : 10.1175/2008JAMC1878.1.

**GMEI-2008-ACL-3** : Crumeyrolle, S., L. Gomes, P. Tulet, A. Matsuki, A. Schwarzenboeck, and K. Crahan, Increase of the aerosol hygroscopicity by cloud processing in a mesoscale convective system: a case study from the AMMA campaign. Atmospheric Chemistry and Physics, Volume : 8, Pages : 6907-6924. Doi : 10.5194/acp-8-6907-2008.

**GMEI-2008-ACL-4** : Dabas A., M. L. Denneulin, P. Flamant, C. Loth, A. Garnier, A. Dolfi-Bouteyre, Correcting winds measured with a Rayleigh Doppler lidar from pressure and temperature effects, Tellus SERIES A-Dynamic Meteorology and Oceanography Volume : 60, Issue: 2, Pages : 206-215 Published: MAR 2008. Doi : 10.1111/j.1600-0870.2007.00284.x.

**GMEI-2008-ACL-5** : Delon, C., C. E. Reeves, D. J. Stewart, D. Serça, R. Dupont, C. Mari, J.-P. Chaboureau, and P. Tulet, Biogenic nitrogen oxide emissions from soils - Impact on NOx and ozone over West Africa during AMMA (African Monsoon Multidisciplinary Experiment): modelling study. Atmospheric Chemistry And Physics, Volume : 8, Pages : 2351-2363. Doi : 10.5194/acp-8-2351-2008.

**GMEI-2008-ACL-6** : Flamant, P., J. Cuesta, A. Dabas, M. L. Denneulin, D. Huber, ADM-Aeolus spin-off products and retrieval algorithms. Tellus SERIES A-Dynamic Meteorology and Oceanography, Volume : 60, Issue : 2, Pages : 273-286, Published : MAR 2008. Doi : 10.1111/j.1600-0870.2007.00287.x.

**GMEI-2008-ACL-7** : Geoffroy, O., Brenguier JL and Sandu I, Relationship between drizzle rate, liquid water path and droplet concentration at the scale of a stratocumulus cloud System, Atmospheric Chemistry and Physics, Volume : 8 Issue : 16, Pages : 4641-4654. Doi : 10.5194/acpd-8-3921-2008.

**GMEI-2008-ACL-8** : Gomes L., M. Mallet, J.C. Roger, and P. Dubuisson : Effects of the physical and optical properties of urban aerosols measured during the CAPITOUL summer campaign on the local direct radiative forcing : Meteorology and Atmospheric Physics, Volume : 102, Issue : 3-4 Special Issue: Sp. Iss. SI, Page : 289-306. Doi : 10.1007/s00703-008-0321-8.

**GMEI-2008-ACL-9** : Haywood, J.M, J. Pelon, P. Formenti, N. Bharmal, M. Brooks, G. Capes, P. , Chazette, C. Chou, S. Christopher, H. Coe, J. Cuesta, Y. Derimian, K. Desboeufs, G. Greed, M. Harrison, B. Heese, E.J. Highwood, B. Johnson, M. Mallet, B. Marticorena, J. Marsham, S. Milton, G. Myhre, S.R. Osborne, D.J. Parker, J.-L. Rajot, M. Schulz, A. Slingo, D. Tanré, P. Tulet, Overview of the Dust and Biomass burning Experiment and African Monsoon Multidisciplinary Analysis Special Observing Period-0. Journal of Geophysical Research, Volume : 113, D00C17. Doi : 10.1029/2008JD010077.

**GMEI-2008-ACL-10** : Klaus, V., Temperature Retrieval with VHF Radar Using Combined Techniques. Annales Geophysicae, Volume : 26, Issue : 12, Pages : 3805-3817, Published : 2008.

**GMEI-2008-ACL-11** : Mallet, M., V. Pont, C. Liousse, L. Gomes, J. Pelon, S. Osborne, J. Haywood, J.C. Roger, P. Dubuisson, A. Mariscal, V. Thouret and P. Goloub, Aerosol direct radiative forcing over Djougou (Northern Benin) during the African Monsoon Multidisciplinary Analysis dry season experiment (special observation period-0). *Journal of Geophysical Research*, Volume : 113, Article Number : D00C01, Published : JUL 8 2008. Doi : 10.1029/2007JD009419.

**GMEI-2008-ACL-12** : Rinne, J., T. Douffet, Y. Prigent, P. Durand, Field comparison of disjunct and conventional eddy covariance techniques for trace gas flux measurements. *Environmental Pollution*, Volume : 152, Issue : 3, April 2008, Pages 630-635, ISSN 0269-7491. Doi : 10.1016/j.envpol.2007.06.063.

**GMEI-2008-ACL-13** : Todd, M. C., D. Bou Karam, C. Cavazos, C. Bouet, B. Heinold, G. Cautenet, P. Tulet, C. Perez, I. Tegen, and R. Washington, Quantifying uncertainty in estimates of mineral dust flux: an inter-comparison of model performance over the Bodélé Depression, Northern Chad. *Meteorology and Atmospheric Physics*, Volume : 102 Issue : 3-4 Special Issue : Sp. Iss. SI Pages : 289-306 Published : 2008. Doi : 10.1029/2008JD010476.

## GMGEC

**GMGEC-2008-ACL-1** : André, J.C., J.F. Royer, et F. Chauvin, : Tropical cyclones and climate change. *Comptes Rendus Geoscience*, Volume : 340, Issue : 9-10, Pages : 575-583, Published : SEP-OCT 2008. Doi : 10.1016/j.crte.2008.07.003.

**GMGEC-2008-ACL-2** : Barret, B., P. Ricaud, C. Mari, J.-L. Attié, N. Bousserez, B. Josse, E. Le Flochmoën, N. J. Livesey, S. Massart, V.-H. Peuch, A. Piacentini, B. Sauvage, V. Thouret and J.-P. Cammas, : Transport pathways of CO in the African upper troposphere during the monsoon season: a study based upon the assimilation of spaceborne observations. *Atmospheric Chemistry and Physics*, Volume : 8, Issue : 12, Pages : 3231-3246, Published : 2008. Doi : 10.5194/acp-8-3231-2008.

**GMGEC-2008-ACL-3** : Bourlès, B., A. J. Busalacchi, E. Campos, F. Hernandez, R. Lumpkin, M. J. McPhaden, A. D. Moura, P. Nobre, S. Planton, J. Servain, J. Trotte, and L. Yu, : The PIRATA program: history and accomplishments of the tropical Atlantic observing system's backbone. *Bulletin of the American Meteorological Society*, Volume : 89, Issue : 8, Pages : 1111-1125, Published : AUG 2008. Doi : 10.1175/2008BAMS2462.1.

**GMGEC-2008-ACL-4** : Decharme, B., H. Douville, C. Prigent, F. Papa, and F. Aires, : A new global river flooding scheme: Off-line validation over South America. *Journal of Geophysical Research-Atmospheres*, Volume : 113, Issue : D11, Article Number : D11110, Published : JUN 6 2008. Doi : 10.1029/2007JD009376.

**GMGEC-2008-ACL-5** : Delire, C., A. Ngomanda, and D. Jolly, : Possible impacts of 21st century climate on vegetation in Central - West Africa. *Global and Planetary Change*, Volume : 64, Issue : 1-2, Pages : 3-15, Published : NOV 2008. Doi : 10.1016/j.gloplacha.2008.01.008.

**GMGEC-2008-ACL-6** : Déqué, M., and S. Somot, 2008 : Extreme precipitation and high resolution with Aladin. *Idöjaras Quaterly Journal of the Hungarian Meteorological Service*, Volume : 112, Issue : 3-4, Special Issue : Sp. Iss. SI, Pages : 179-190, Published : JUL-DEC 2008.

**GMGEC-2008-ACL-7** : Dufresne, J.-L., et J.-F. Royer, : Climate change at global and regional scale. *La Houille Blanche-Revue Internationale de l'Eau*, Issue : 2, Pages : 33-37, Published : 2008. Doi : 10.1051/lhb:2008014.

**GMGEC-2008-ACL-8** : El Amraoui, L., V.-H. Peuch, P. Ricaud, S. Massart, N. Semane, H. Teyssèdre, D. Cariolle, and F. Karcher,: Ozone loss in the 2002-2003 Arctic vortex deduced from the assimilation of Odin/SMR O3 and N2O measurements: N2O as a dynamical tracer. *Quarterly Journal of the Royal Meteorological Society*, Volume : 134, Issue : 630, Pages : 217-228, Part : Part A, Published : JAN 2008. Doi: 10.1002/qj.191.

**GMGEC-2008-ACL-9** : El Amraoui, L., N. Semane, V.-H. Peuch, and M. L. Santee, : Investigation of dynamical processes in the polar stratospheric vortex during the unusually cold winter 2004/2005. *Geophysical Research Letters*, Volume : 35, Issue : 3, Article Number : L03803, Published : FEB 5 2008. Doi : 10.1029/2007GL031251.

**GMGEC-2008-ACL-10 :** Fox-Rabinowitz, M., J. Cote, B. Dugas, M. Déqué, J. L. Mc Gregor, and A. Belochitski, 2008. Stretched-grid Model Intercomparison Project: decadal regional climate simulations with enhanced variable and uniform-resolution GCMs. *Meteorology and Atmospheric Physics*. Volume : 100 Issue : 1-4 Pages : 159-177 Published : AUG 2008. Doi: 10.1007/s00703-008-0301-z.

**GMGEC-2008-ACL-11 :** Guemas, V., and D. Salas y Melia, : Simulation of the Atlantic Meridional Overturning Circulation in an Atmosphere-Ocean Global Coupled Model, Part I: A Mechanism Governing the Variability of Ocean Convection in a Preindustrial Experiment. *Climate Dynamics*, Volume : 31, Issue 1, Pages : 29-48, Published : JUL 2008. Doi: 10.1007/s00382-007-0336-8.

**GMGEC-2008-ACL-12 :** Guemas, V., and D. Salas y Melia, 2008: Simulation of the Atlantic Meridional Overturning Circulation in an Atmosphere-Ocean Global Coupled Model, Part II: Weakening in a Climate Change Experiment: a Feedback Mechanism. *Climate Dynamics*, Volume : 30, Issue : 7-8, Pages : 831-844, Published : JUN 2008. Doi : 10.1007/s00382-007-0328-8.

**GMGEC-2008-ACL-13 :** Herrmann, M., and S. Somot, : Relevance of ERA40 dynamical downscaling for modeling deep convection in the Mediterranean Sea. *Geophysical Research Letters*, Volume : 35, Issue : 4, Article Number : L04607, Published : FEB 21 2008. Doi : 10.1029/2007GL032442.

**GMGEC-2008-ACL-14 :** Herrmann, M., C. Estournel, M. Déqué, P. Marsaleix, F. Sevault, and S. Somot, : Dense water formation in the Gulf of Lion shelf: impact of atmospheric interannual variability and climate change. *Continental Shelf Research*, Volume : 28, Issue : 15, Special Issue : Sp. Iss. SI, Pages : 2092-2112, Published : AUG 30 2008. Doi : 10.1016/j.csr.2008.03.003.

**GMGEC-2008-ACL-15 :** Herrmann, M., S. Somot, F. Sevault, C. Estournel C., and M. Déqué, : Modeling the deep convection in the Northwestern Mediterranean Sea using an eddy-permitting and an eddy-resolving model: case study of the 1986-87 winter. *Journal of Geophysical Research-Oceans*, Volume : 113, Issue : C4, Article Number : C04011, Published : APR 12 2008. Doi : 10.1029/2006JC003991.

**GMGEC-2008-ACL-16 :** Hollingsworth, A., R. J. Engelen, C. Textor, A. Benedetti, O. Boucher, F. Chevallier, A. Dethof, H. Elbern, H. Eskes, J. Flemming, C. Granier, J. J. Morcrette, P. Rayner, V.-H Peuch, L. Rouil, M. Schultz, and A. Simmons, : Toward a monitoring and forecasting system for atmospheric composition : The GEMS project. *Bulletin of the American Meteorological Society*, Volume : 89, Issue : 8, Pages : 1147-+, Published : AUG 2008. Doi : 10.1175/2008BAMS2355.1.

**GMGEC-2008-ACL-17 :** Honoré, C., L. Rouil, R. Vautard, M. Beekmann, B. Bessagnet, L. Malherbe, F. Meleux, A. Dufour, C. Elichegaray, J.-M. Flaud, L. Menut, D. Martin, V.-H. Peuch, A. Peuch, and N. Poisson, : Predictability of regional air quality in Europe: the assessment of three years of operational forecasts and analyses over France. *Journal of Geophysical Research-Atmospheres*, Volume : 113, Issue : D4 Article, Number : D04301, Published : FEB 22 2008. Doi : 10.1029/2007JD008761.

**GMGEC-2008-ACL-18 :** Planton, S., M. Déqué, F. Chauvin, and L. Terray, : Expected impacts of climate change on extreme climate events. *Comptes Rendus Geoscience*, Volume : 340, Issue : 9-10, Pages : 564-574, Published : SEP-OCT 2008. Doi : 10.1016/j.crte.2008.07.009.

**GMGEC-2008-ACL-19 :** Radu, R., M. Déqué, and S. Somot, : Spectral nudging in a spectral regional climate model. *Tellus SERIES A-Dynamic Meteorology and Oceanography*, Volume : 60, Issue : 5, Pages : 898-910, Published : OCT 2008. Doi : 10.1111/j.1600-0870.2008.00343.x.

**GMGEC-2008-ACL-20 :** Royer, J.-F., A. Biaou, F. Chauvin, D. Schertzer, and S. Lovejoy , 2008 : Multifractal analysis of the evolution of simulated precipitation over France in a climate scenario. *Comptes Rendus Geoscience*, Volume : 340, Issue : 7, Pages : 431-440, Published : JUL 2008. Doi : 10.1016/j.crte.2008.05.002.

**GMGEC-2008-ACL-21 :** Somot, S., F. Sevault, M. Déqué M., and M. Crépon, 2008: 21st century climate change scenario for the Mediterranean using a coupled Atmosphere-Ocean Regional Climate Model. *Global and Planetary Change*, Volume : 63 Issue : 2-3 Special Issue : Sp. Iss. SI Pages : 112-126, Published : SEP 2008. Doi : 10.1016/j.gloplacha.2007.10.003.

**GMGEC-2008-ACL-22** : Tsimplis, M., M. Marcos, and S. Somot, 2008: 21st century Mediterranean sea level rise: steric and atmospheric pressure contributions from a regional model. *Global and Planetary Change*, Volume : 63, Issue : 2-3, Special Issue: Sp. Iss. SI, Pages : 105-111, Published: SEP 2008. Doi : 10.1016/j.gloplacha.2007.09.006.

**GMGEC-2008-ACL-23** : Tsimplis, M., M. Marcos, S. Somot, and B. Barnier, 2008 : Sea level forcing in the Mediterranean Sea between 1960 and 2000. *Global and Planetary Change*, Volume : 63, Issue : 4, Pages : 325-332, Published : OCT 2008. Doi : 10.1016/j.gloplacha.2008.07.004.

## GMME

**GMME-2008-ACL-1** : Artinyan, E., Habets, F., Noilhan, J., Ledoux, E., Dimitrov, D., Martin, E. and P. Le Moigne, 2008: Modelling the water budget and the riverflows of the Maritsa basin in Bulgaria, *Hydrology and Earth System Sciences*, Volume : 12, Issue : 1, Pages : 21-37, Published : 2008.

**GMME-2008-ACL-2** : Biancamaria, S., Mognard, N., Boone, A., Grippa, M. and Josberger, E., 2008: A satellite snow depth multi-year average derived from SSM/I for the high latitude regions, *Remote Sensing of Environment*, Volume : 112, Issue : 5, Pages : 2557-2568, Published : MAY 15 2008. Doi : 10.1016/j.rse.2007.12.002.

**GMME-2008-ACL-3** : Bock, O., Bouin, M.-N., Doerflinger, E., Collard, P., Masson, F., Meynadier, R., Nahmani, S., Koité, M., Gaptia Lawan Balawan, K., Didé, F., Ouedraogo, D., Wilson, G., Guichard, F., Janicot, S., Lafore, J.-P., and Nuret, M., 2008 : West African Monsoon observed with ground-based GPS receivers during African Monsoon Multidisciplinary Analysis (AMMA). *Journal of Geophysical Research-Atmospheres*, Volume : 113, Issue : D21, Article Number : D21105, Published : NOV 5 2008. Doi : 10.1029/2008JD010327.

**GMME-2008-ACL-4** : Bock, O., M.-N. Bouin, A. Walpersdorf, J.-P. Lafore, S. Janicot, F. Guichard, A. Agusti-Panareda, 2008: Comparison of ground-based GPS precipitable water vapour to independent observations and NPW model re-analyses over Africa, *QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY* Volume: 133 Issue: 629 Pages: 2011-2027 DOI: 10.1002/qj.185 Part: Part b Published: OCT 2007.

**GMME-2008-ACL-5** : Bouniol, D., Protat, A., Plana-Fattori, A., Giraud, M., Vinson, J.-P. and Grand, N., 2008: Comparison of Airborne and Spaceborne 95-GHz Radar Reflectivities and Evaluation of Multiple Scattering Effects in Spaceborne Measurements, *Journal of Atmospheric and Oceanic Technology*, Volume : 25, Issue : 11, Pages : 1983-1995, Published : NOV 2008. Doi : 10.1175/2008JTECHA1011.1.

**GMME-2008-ACL-6** : Caumont, C. and Ducrocq, V., 2008 : What Should Be Considered When Simulating Doppler Velocities Measured By Ground-based Weather Radars?, *Journal of Applied Meteorology and Climatology*, Volume : 47, Issue : 8, Pages : 2256-2262, Published : AUG 2008. Doi:10.1175/2008JAMC1894.1.

**GMME-2008-ACL-7** : Cros, S., Chanzy, A., Weiss, M., Pellarin, T., Calvet, J.-C. and Wigneron, J.-P., 2008 : Synergy of SMOS microwave radiometer and optical sensors to retrieve soil moisture at global scale, *IEEE Transactions on Geoscience and Remote Sensing*, Volume : 46, Issue : 3, Pages : 835-845, Published : MAR 2008. Doi : 10.1109/TGRS.2007.914808

**GMME-2008-ACL-8** : Ducrocq, V., Nuissier, O., Ricard, D., Lebeaupin, C. and Thouvenin, T., 2008: A numerical study of three catastrophic precipitating events over Southern France. II: Mesoscale triggering and stationarity factors, *Quarterly Journal of the Royal Meteorological Society*, Volume : 134, Issue : 630, Pages : 131-145, Part : Part A, Published : JAN 2008. Doi : 10.1002/qj.199.

**GMME-2008-ACL-9** : Duthoit, S., Demarez, V., Gastellu-Etchegorry, J.-P., Martin, E. and Roujean, J.-L., 2008 : Assessing the effects of the clumping phenomenon on BRDF of a maize crop based on 3D numerical scenes using DART model, *Agricultural and Forest Meteorology*, Volume : 148, Issue : 8-9, Pages : 1341-1352, Published : JUL 4 2008. Doi : 10.1016/j.agrformet.2008.03.011.

**GMME-2008-ACL-10** : Elias, T. and Roujean, J.-L., 2008: Estimation of the aerosol radiative forcing at ground level, over land, and in cloudless atmosphere, from METEOSAT-7 observation: method and case study, Atmospheric Chemistry and Physics, Volume : 8, Issue : 3, Pages : 625-636, Published : 2008.

**GMME-2008-ACL-11** : Errico, R.-M., Bauer, P. and Mahfouf, J.-F., 2008: Comments on "Issues regarding the assimilation of cloud and precipitation data - Reply, Journal of the Atmospheric Sciences, Volume : 65, Issue : 10, Pages : 3348-3350, Published : OCT 2008. Doi : 10.1175/2008JAS2817.1.

**GMME-2008-ACL-12** : Geiger, B., Carrer, D., Franchistéguy, L., Roujean, J.-L. and Meurey, C., 2008 : Land Surface Albedo Derived on a Daily Basis From Meteosat Second Generation Observations, IEEE Transactions on Geoscience and Remote Sensing, Volume : 46, Issue : 11, Pages : 3841-3856, Part : Part 2, Published : NOV 2008. Doi : 10.1109/TGRS.2008.2001798.

**GMME-2008-ACL-13** : Geiger, B., Meurey, C., Lajas, D., Franchistéguy, L., Carrer, D. and Roujean, J.-L., 2008: Near real-time provision of downwelling shortwave radiation estimates derived from satellite observations. Meteorological Applications, Volume : 15, Issue : 3, Pages : 411-420, Published : SEP 2008. Doi : 10.1002/met.84.

**GMME-2008-ACL-14** : Gimeno-Presa, L., Masson, V. and Arnfield, J., 2008 : Special issue on CAPITOUL (Canopy and Aerosol Particle Interactions in TOulouse Urban Layer) experiment. Meteorology and Atmospheric Physics, Volume : 102, Issue : 3-4, Special Issue : Sp. Iss. SI, Pages : 131-133, Published : 2008. Doi : 10.1007/s00703-008-0337-0.

**GMME-2008-ACL-15** : Gruhier, C., P. De Rosnay, Kerr, Y., Mougin, E., Ceschia, E., Calvet, J.-C. and Richaume, P., 2008: Evaluation of AMSR-E soil moisture product based on ground measurements over temperate and semi-arid regions, Geophysical Research Letters, Volume : 35, Issue : 10, Article Number : L10405, Published : MAY 28 2008. Doi: 10.1029/2008GL033330.

**GMME-2008-ACL-16** : Hamdi, R. and Masson, V., 2008: Inclusion of a drag approach in the Town Energy Balance (TEB) scheme: offline 1-D validation in a street canyon. Journal of Applied Meteorology and Climatology, Volume : 47, Issue : 10, Pages : 2627-2644, Published : OCT 28 2008. Doi : 10.1175/2008JAMC1865.1

**GMME-2008-ACL-17** : Hidalgo, J.. Masson, V.. Baklanov, A.. Pigeon, G. and Gimeno, L., 2008 : Advances in urban climate modelling.Trends and Directions in Climate Research Book Series, Annals of the New York Academy of Science, Volume : 1146, Pages: 354-374, Published : 2008. Doi : 10.1196/annals.1446.015.

**GMME-2008-ACL-18** : Hidalgo, J.. Pigeon, G. and Masson, V.., 2008: Urban-breeze circulation during the CAPITOUL experiment : observational data analysis approach., Meteorology and Atmospheric Physics, Volume : 102, Issue : 3-4, Special Issue : Sp. Iss. SI, Pages : 223-241, Published : 2008. Doi : 10.1007/s00703-008-0329-0.

**GMME-2008-ACL-19** : Hidalgo J.. Masson V.. Pigeon G.., 2008:Urban-breeze circulation during the CAPITOUL experiment: numerical simulations, Meteorology and Atmospheric Physics, Volume: 102, Issue : 3-4 Pages: 243-262 DOI: 10.1007/s00703-008-0345-0 Published: 2008.

**GMME-2008-ACL-20** : Jarlan, L., Balsamo, G., Lafont, S.., Bejaars, A., Calvet, J.-C. and Mougin, E., 2008: Analysis of leaf area index in the ECMWF land surface model and impact on latent and carbon fluxes. Application to west Africa, Journal of Geophysical Research-Atmospheres, Volume : 113, Article Number : D24117, Published : DEC 30 2008. Doi : 10.1029/2007JD009370.

**GMME-2008-ACL-21** : Lac, C.. F.Bonnardot, C.Camail, O.Connan, D.Maro, D.Hebert, M.Rozet and Pergaud, J.. 2008 : Evaluation of a mesoscale dispersion modelling tool during the CAPITOUL experiment. Meteorology and Atmospheric Physics, Volume : 102, Issue : 3-4, Special Issue : Sp. Iss. SI, Pages : 263-287, Published : 2008. Doi : 10.1007/s00703-008-0343-2.

**GMME-2008-ACL-22** : Lauvaux, T., Uliasz, M., Sarrat, C., Chevallier, F., Bousquet, P., Lac, C., Davis, K.-J., Ciais, P., Denning, A.-S. and Rayner, P.-J., 2008 : Mesoscale inversion: first results from the CERES campaign with synthetic data. *Atmospheric Chemistry and Physics*, Volume : 8, Issue : 13, Pages : 3459-3471, Published : 2008.

**GMME-2008-ACL-23** : Lebel, T. and Redelsperger, J., 2008: AMMA : African monsoon multidisciplinary analysis. *La Houille Blanche-Revue Internationale de l'Eau*, Issue : 2, Pages : 38-44, Published : 2008. Doi : 10.1051/lhb:2008015.

**GMME-2008-ACL-24** : Lemonsu, A., Belair, S., Mailhot, J., Benjamin, M., Chagnon, F., Morneau, G., Harvey, B., Voogt, J. and Jean, M., 2008: Overview and first results of the Montreal urban snow experiment 2005, *Journal of Applied Meteorology and Climatology*, Volume : 47, Issue : 1, Pages : 59-75, Published : JAN 2008. Doi : 10.1175/2007JAMC1639.1.

**GMME-2008-ACL-25** : Nuissier, O., Ducrocq, V., Ricard, D., Lebeaupin, C. and Anquetin, S., 2008: A numerical study of three catastrophic precipitating events over Southern France. I: Numerical framework and synoptic ingredients, *Quarterly Journal of the Royal Meteorological Society*, Volume : 134, Issue : 630, Pages : 111-130, Part : Part A, Published : JAN 2008. Doi:10.1002/qj.200.

**GMME-2008-ACL-26** : Nuret, M., Lafore, J.-P., Bock, O., Guichard, F., Agusti-Panareda, A., N'Gamini, J.-B. and Redelsperger, J.-L., 2008 : Correction of humidity bias for Vaisala RS80 sondes during AMMA 2006 Observing Period, *Journal of Atmospheric and Oceanic Technology*, Volume : 25, Issue : 11, Pages : 2152-2158, Published : NOV 2008. Doi : 10.1175/2008JTECHA1103.1.

**GMME-2008-ACL-27** : Parker, D., Fink, A., Janicot, S., Ngamini, J.-B., Douglas, M., Afiesimama, E., Agusti-Panareda, A., Beljaars, A., Dide, F., Diedhiou, A., Lebel, T., Polcher, J., Redelsperger, J., Thorncroft, C. and Wilson, G.A., 2008: The AMMA radiosonde program and its implications for the future of atmospheric monitoring over Africa. *Bulletin of the American Meteorological Society*, Volume : 89, Issue : 7, Pages : 1015-1027, Published : JUL 2008. Doi : 10.1175/2008BAMS2436.1.

**GMME-2008-ACL-28** : Pigeon, G., Mosciki, M.-A., Voogt, J.-A. and Masson, V., 2008: Simulation of Fall and Winter Energy Balance over a dense urban area using the TEB scheme. *Meteorology and Atmospheric Physics*, Volume : 102, Issue : 3-4, Special Issue : Sp. Iss. SI, Pages : 159-171, Published : 2008. Doi : 10.1007/s00703-008-0320-9.

**GMME-2008-ACL-29** : Roquelaure, S. and T. Bergot, 2008 : "A Local Ensemble Prediction System (L-EPS) for fog and low clouds : construction, Bayesian model averaging, calibration and validation" *Journal of Applied Meteorology and Climatology*, Volume: 47 Issue: 12 Pages: 3072-3088 DOI: 10.1175/2008JAMC1783.1 Published: DEC 2008.

**GMME-2008-ACL-30** : Samain, O., Kergoat, L., Hiernaux, P., Guichard, F., Mougin, E., Timouk, F. and Lavenu, F., 2008 : Analysis of the in situ and MODIS albedo variability at multiple timescales in the Sahel, *Journal of Geophysical Research-Atmospheres*, Volume : 113, Issue : D14, Article Number : D14119, Published : JUL 24 2008. Doi : 10.1029/2007JD009174

**GMME-2008-ACL-31** : Samain, O., Roujean, J.-L. and Geiger, B., 2008: Use of a Kalman filter for the retrieval of surface BRDF coefficients with a time evolving model based on the Ecoclimap land cover classification, *Remote Sensing of Environment*, Volume : 112, Issue : 4, Pages : 1337-1346, Published : APR 15 2008. Doi : 10.1016/j.rse.2007.07.007

**GMME-2008-ACL-32** : Saunois, M., Mari, C., Thouret, V., Cammas, J.-P., Peyrillé, P., Lafore, J.-P., Sauvage, B., Volz-Thomas, A., Nédélec, P. and Pinty, J.-P., 2008 : An idealized two-dimensional approach to study the impact of the West African monsoon on the meridional gradient of tropospheric ozone, *Journal of Geophysical Research-Atmospheres*, Volume : 113, Issue : D7, Article Number : D07306, Published : APR 10 2008. Doi : 10.1029/2007JD008707.

**GMME-2008-ACL-33** : Söhne, N., Chaboureau, J.-P. and Guichard, F., 2008: Verification of Cloud Cover Forecast with Satellite Observation over West Africa, Monthly Weather Review, Volume : 136, Issue : 11, Pages : 4421-4434, Published : NOV 2008. Doi : 10.1175/2008MWR2432.1.

**GMME-2008-ACL-34** : Thirel, G., Rousset-Regimbeau, F., Martin, E. and Habets, F., 2008 : On the Impact of Short-Range Meteorological Forecasts for Ensemble Streamflow Predictions. Journal of Hydrometeorology, Volume : 9, Issue : 6, Pages : 1301-1317, Published : DEC 2008. Doi : 10.1175/2008JHM959.1.

**GMME-2008-ACL-35** : Wigneron, J.-P., Chanzy, A., P. De Rosnay, Rüdiger, C. and Calvet, J.-C., 2008: Estimating the Effective Soil Temperature at L-band as a Function of Soil Properties, IEEE Transactions on Geoscience and Remote Sensing, Volume : 46, Issue : 3, Pages : 797-807, Published : MAR 2008. Doi : 10.1109/TGRS.2007.914806.

**GMME-2008-ACL-36** : Zahiri, E., Gosset, M., Lafore, J.-P. and Gouget, V., 2008 : Use of a Radar Simulator on the Output Fields from a Numerical Mesoscale Model to Analyze X-Band Rain Estimators. Journal of Atmospheric and Oceanic Technology, Volume : 25, Issue : 3, Pages : 341-367, Published : MAR 2008. Doi : 10.1175/2007JTECHA933.1.

## CEN

**CEN-2008-ACL-1** : Brzoska, J.-B., Flin, F., and Barckicke, J., 2008 : Explicit iterative computation of diffusive vapour field in the 3-D snow matrix: preliminary results for low flux metamorphism, Annals of Glaciology, 48, 13-18.

**CEN-2008-ACL-2** : Flin, F., and Brzoska, J.-B., 2008 : The temperature gradient metamorphism of snow : vapour diffusion model and application to tomographic images, Annals of Glaciology, 49, 17-21.

## MULTI-GROUPES

**GMME-GMEI-2008-ACL-1** : C Albergel, C. Rudiger, T. Pellarin, J.C. Calvet, N. Fritz, F. Froissard, D. Suquia, A. Petitpa, B. Piguet and E. Martin, : From near-surface to root-zone soil moisture using an exponential filter: an assessment of the method based on in-situ observations and model simulations. Hydrology and Earth System Sciences, Volume : 12, Issue : 6, Pages : 1323-1337, Published : 2008.

**GMEI-GMAP-2008-ACL-2** : Bousquet, O., T. Montmerle, and P. Tabary : Using operationally synthesized multiple-Doppler winds for high resolution NWP model horizontal wind verification. Geophysical Research Letters, Volume : 35, Issue : 10, Article Number : L10803, Published : MAY 17 2008. Doi : 10.1029/2008GL033975.

**GMME-GMGEC-2008-ACL-3** : Calvet, J.-C., A.-L. Gibelin, J. Roujean, E. Martin, P. Le Moigne, H. Douville, and J. Noilhan, 2008 : Past and future scenarios of the effect of carbon dioxide on plant growth and transpiration for three vegetation types of southwestern France. Atmospheric Chemistry and physics, Volume : 8, Issue : 2, Pages : 397-406, Published : 2008. Doi : 10.5194/acp-8-397-2008.

**GMGEC-GMME-2008-ACL-4** : Gibelin A.-L., J.C. Calvet, and N. Viovy, 2008 : Modelling energy and CO<sub>2</sub> fluxes with an interactive vegetation land surface model - Evaluation at high and middle latitudes. Agricultural and Forest Meteorology, Volume : 148, Issue : 10, Pages : 1611-1628, Published : SEP 3 2008. Doi : 10.1016/j.agrformet.2008.05.013.

**GMME-CEN-2008-ACL-5** : Habets, F., Boone, A., Champeaux, J., Etchevers, P., Franchistéguy, L., Leblois, E., Ledoux, E., Moigne, P. L., Martin, E., Morel, S., Noilhan, J., Segui, P. Q., Rousset-Regimbeau, F., and Viennot, P., 2008 : The SAFRAN-ISBA-MODCOU hydrometeorological model applied over France. Journal of Geophysical Research-Atmospheres, Volume : 113, Issue : D6, Article Number : D06113, Published : MAR 29 2008. Doi : 10.1029/2007JD008548.

**GMME-GMGEC-2008-ACL-6** : Janicot, S., A. Ali, N. Asencio, G. Berry, O. Bock, B. Bourlès, G. Caniaux, F. Chauvin, A. Deme, L. Kergoat, J.-P. Lafore, C. Lavaysse, T. Lebel, B. Marticorena, F. Mounier, J.-L. Redelsperger, R. Roca, P. de Rosnay, B. Sultan, C. Thorncroft, M. Tomasini, and ACMAD forecasters team, : Large-scale overview of the summer monsoon over West and Central Africa during AMMA field experiment in 2006. *Annales Geophysicae*, Volume : 26, Issue : 9, Pages : 2569-2595, Published : 2008. Doi : 10.5194/angeo-26-2569-2008.

**GMME-GMGEC-2008-ACL-7** : Lebeaupin Brossier, C., V. Ducrocq, and H. Giordani, : Sensitivity of three Mediterranean heavy rain events to two different sea surface fluxes parameterizations in high-resolution numerical modelling. *Journal of Geophysical Research-Atmospheres*, Volume : 113, Issue : D21, Article Number : D21109, Published : NOV 6 2008. Doi : 10.1029/2007JD009613.

**GMME-GMEI-2008-ACL-8** : Masson, V., L. Gomes, G. Pigeon, C. Liousse, V. Pont, J.-P. Lagouarde, J. Voogt, J. Salmon, T. Oke, J. Hidalgo, D. Legain, O. Garrouste, C. Lac, O. Connan, X. Briottet, S. Lachérade, and P. Tulet., 2008: The Canopy and Aerosol Particles Interactions in Toulouse Urban Layer (CAPITOUL) experiment. *Meteorology and Atmospheric Physics*, Volume : 102, Issue : 3-4, Special Issue : Sp. Iss. SI, Pages : 135-157, Published : 2008. Doi : 10.1007/s00703-008-0289-4.

**GMME-CEN-2008-ACL-9** : Quintana Segui, P., Le Moigne, P., Durand, Y., Martin, E., Habets, F., Baillon, M., Canella, C., Franchisteguy, L., and Morel, S., 2008 : Analysis of near surface atmospheric variables : validation of the SAFRAN analysis over France. *Journal of Applied Meteorology and Climatology* Volume : 47, Issue: 1, Pages : 92-107, Published : JAN 2008. Doi : 10.1175/2007JAMC1636.1.

**GMME-GMEI-2008-ACL-10** : Sabater, J.M., Rüdiger C., Calvet J.C., Fritz N., Jarlan L., Kerr Y.H., 2008 : Joint assimilation of surface soil moisture and LAI observations into a land surface model. *Agricultural and Forest Meteorology*, Volume : 148, Issue : 8-9, Pages : 1362-1373, Published : JUL 4 2008. Doi : 10.1016/j.agrformet.2008.04.003.

**GMEI-GMME-2008-ACL-11** : Sandu, I., Brenguier J-L., Geoffroy O., Thouron O. and Masson V., 2008 : Aerosol Impacts on the Diurnal Cycle of Marine Stratocumulus, *Journal of the Atmospheric Sciences*, Vol 65, Issue: 8, Pages: 2705-2718, Doi: DOI: 10.1175/2008JAS2451.1.

**GMAP-GMEI-2008-ACL-12** : Tan, D., E. Andersson, J. de Kloe, G. J. Marseille, A. Stoffelen, P. Poli, M. L. Denneulin, A. Dabas, D. Huber, O. Reitebuch, P. Flamant, O. Lerille, H. Nett, The ADM-Aeolus wind retrieval algorithms. *TELLUS SERIES A-Dynamic Meteorology and Oceanography*, Volume : 60, Issue : 2, Pages : 191-205, Published : MAR 2008. Doi : 10.1111/j.1600-0870.2007.00285.x.

**GMEI-GMME-2008-ACL-13** : Tulet, P., M. Mallet, V. Pont, J. Pelon, A. Boone, The 7-13 March, 2006, dust storm over West Africa: generation, transport and vertical stratification. *Journal of Geophysical Research*, Volume : 113, D00C08. Doi : 10.1029/2008JD009871.

# ACLN

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

# 2008

## GMEI

**GMEI-2008-ACLN-1 :** Bousquet, O., P. Tabary, and J. Parent du Chatelet, Observation opérationnelle du vent 3D dans les nuages à partir des radars du réseau ARAMIS, La Météorologie, Série 8, N° 61, Pages : 41-51, Mai : 2008.

## GMGEC

**GMGEC-2008-ACLN-1 :** Cammas, J.-P., G. Athier, D. Boulanger, F. Chéroux, J.-M. Cousin, F. Girod, F. Karcher, K. Law, P. Nédélec, V.-H. Peuch, H. Smit, M. Stoll, V. Thouret, A. Volz-Thomas and R. Zbinden, : Les programmes aéroportés MOZAIC et IAGOS (1994-2007). La Météorologie, Série 8, N° 62, Pages : 18-31, Août 2008.

**GMGEC-2008-ACLN-2 :** Chauvin, F., et J.-F. Royer, : Des cyclones et des hommes. La Météorologie, Série 8, N° 61, Pages : 52-66, Mai 2008.

**GMGEC-2008-ACLN-3 :** Déqué, M., : De la prévision à longue échéance à la prévision saisonnière. La Météorologie, Série 8, N° 61, Pages : 25-31, Mai : 2008.

## GMME

**GMME-2008-ACLN-1 :** Pigeon, G., Lemonsu, A., Masson, V. and Hidalgo, J., : From urban climate observation to integrated modelling of the city. La Météorologie, Série 8, N° 62, Pages : 39-47, Août 2008.

**GMME-2008-ACLN-2 :** Soubeyroux, J.-M., Martin, E., Franchistéguy, L., Habets, F., Noilhan, J., Baillon, M., Regimbeau, F., Vidal, J.-P., P. Le Moigne and Morel, S., 2008: L'application Safran - Isba - Modcou (SIM), un outil pour la production opérationnelle et les études hydrométéorologiques, La Météorologie, Série 8, N° 63, Pages : 40-45, Novembre 2008.

## MULTI-GROUPES

**GMME-GMEI-2008-ACLN-1 :** Bergot T., Haeffelin M., Musson-Genon L., Colomb M., Boitel C., Bouhours G., Bourianne T., Carrer D., Challet J., Chazette P., Drobrinsi P., Dupont E., Dupont J.C., Elias T., Fesquet C., Garrouste O., Gomes L., Guérin A., Lapouge F., Lefranc Y., Legain D., Pietras C., Plana-Fattori A., Rangonio J., Remy S., Romand B., Zhang X., 2008 : Paris-Fog : des chercheurs dans le brouillard. La Météorologie, Série 8, N° 62, Pages : 48-58, Août 2008.

**GMME-GMAP-2008-ACLN-2 :** Yan, X., Ducrocq, V., Poli, P., Jaubert, G. and Walpersdorf, A., 2008: Mesoscale GPS Zenith Delay assimilation during a Mediterranean heavy precipitation event, Advances in Geosciences, Volume (17), 71-77.

# ASCL

**Articles dans des revues sans comité de lecture**

# 2008

## GMAP

**GMAP-2008-ASCL-1** : Arpagaus, M., M.W. Rotach, P. Ambrosetti, F. Ament, C. Appenzeller, H-S. Bauer, F. Bouttier, A. Buzzi, M. Corazza, S. Davolio, M. Denhard, M. Dorninger, L. Fontannaz, J. Frick, F. Fundel, U. Germann, T. Gorgas, G. Grossi, C. Hegg, A. Hering, S. Jaun, C. Keil, M. Liniger, C. Marsigli, R. McTaggart-Cowan, A. Montani., K. Mylne, R. Ranzi, E. Richard, A. Rossa, D. Santos-Muñoz, C. Schär, Y. Seity, M. Staudinger, M. Stoll, S. Vogt, H. Volkert, A. Walser, Y. Wang, J. Werhahn, V. Wulfmeyer, C. Wunram, and M. Zappa. MAP D-PHASE : Demonstrating forecast capabilities for flood events in the Alpine region. Report du WMO/WWRP Forecast Demonstration Project D-PHASE. WMO/WWRP Scientific Steering Committee, Veröffentlichung der MeteoSchweiz, 78, 75. [http://www.meteoschweiz.admin.ch/web/de/forschung/publikationen/alle\\_publikationen/veroeff\\_78.html](http://www.meteoschweiz.admin.ch/web/de/forschung/publikationen/alle_publikationen/veroeff_78.html).

**GMAP-2008-ASCL-2** : Bouchard A., A. Doerenbecher, F. Rabier, V. Guidard, F. Karbou: NWP preparations at Météo-France for the Concordiasi project. WMO CAS/JSC WGNE Blue Book, Edited by J. Côté, 2008

**GMAP-2008-ASCL-3** : Bouttier F. and collaborators: Recent progress in operational Numerical Weather Prediction at Météo-France. WMO CAS/JSC WGNE Blue Book, Edited by J. Côté, 2008.

**GMAP-2008-ASCL-4** : Karbou F., É. Gérard, F. Rabier: Towards the assimilation of surface sensitive satellite microwave observations over land at Météo-France. WMO CAS/JSC WGNE Blue Book, Edited by J. Côté, 2008.

**GMAP-2008-ASCL-5** : McDonald A., P. Termonia and F. Voitus: Future plan for research on transparent lateral boundary condition. HIRLAM Newsletters, 53, 25-28.

**GMAP-2008-ASCL-6** : Poli P. : « IGN, GPS, et Météorologie », IGN Magazine, 48, 11-12.

**GMAP-2008-ASCL-7** : Rabier F., P. Poli, V. Guidard, N. Fourrié, E. Gérard, F. Karbou, P. Moll and C. Payan: Current developments on global satellite data assimilation at Météo-France, WMO CAS/JSC WGNE Blue Book, Edited by J. Côté, 2008.

**GMAP-2008-ASCL-8** : Rivière O.: Aquaplanet tests of the 3MT convection scheme: sensitivity to resolution on the stretched Arpege grid., ALADIN Newsletter, 34, 54-60.

## GMGEC

**GMGEC-2008-ASCL-1** : Déqué, M., 2008: Changements attendus du climat: quels scénarios? Les rendez-vous techniques de l'ONF, Hors série 3, 9-14.

**GMGEC-2008-ASCL-2** : Déqué, M., 2008: De plus en plus de canicules. Les dossiers de la Recherche, 31, 16-21.

**GMGEC-2008-ASCL-3** : Déqué, M., 2008: Les différents scénarios du changement climatique. OCL-Agriculture et climat, 15, 310-313.

**GMGEC-2008-ASCL-4** : Déqué, M., and S. Somot, 2008: Added value of high resolution for ALADIN Regional Climate Model. WMO/ICSU, CAS/JSC Working group on numerical experimentation, Research activities in atmospheric and oceanic modelling (Blue Book), 38, 5-01, 5-02.

**GMGEC-2008-ASCL-5** : Douville, H., 2008: Vers une sécheresse globale ? La Recherche, n°421, Juillet-Août 2008, 40-43.

**GMGEC-2008-ASCL-6** : Fox-Rabinovitz, M., J. Côté, B. Dugas, M. Déqué, J.L. McGregor, and A. Belochitski, 2008: SGMIP-2 (Stretched-Grid Model Intercomparison Project): Decadal Regional Climate Simulations with Enhanced Variable and Uniform-Resolution GCMs. WMO/ICSU, CAS/JSC Working group on numerical experimentation, Research activities in atmospheric and oceanic modelling (Blue Book), 38, 3-05, 3-06.

**GMGEC-2008-ASCL-7** : Somot, S., and J. Colin: 2008: First step towards a multi-decadal high-resolution Mediterranean sea reanalysis using dynamical downscaling of ERA40. WMO/ICSU, CAS/JSC Working group on numerical experimentation, Research activities in atmospheric and oceanic modelling (Blue Book), 38, 8-11, 8-12.

## GMME

**GMME-2008-ASCL-1** : Yano, J.-I., Griffiths, R. and Bouruet-Aubertot, P., 2008: Meeting report: A summer school aimed at exchange of knowledge between atmosphere and ocean convection studies, EOS, Volume: 89 (6), 51-52.

**GMME-2008-ASCL-2** : Yano, J.-I., Quaas, J., Wagner, T.M. and Plant, R.S., 2008: Toward statistical descriptions of convective cloud dynamics, EOS, Volume: 88 (23), 212.

## CEN

**CEN-2008-ASCL-1** : Goetz, D., 2008: Bilan de l'hiver 2007–2008, Revue Neige et Avalanches de l'ANENA, 123., 05-09.

**CEN-2008-ASCL-2** : Goetz, D., and Brunot, G., 2008: Avalanches hors-saison : nivologie et météorologie, Revue Neige et avalanches de l'ANENA, 122, 14-16.

## MULTI-GROUPES

**GMAP-GMGEC-2008-ASCL-1** : Bouteloup Y., E. Bazile, F. Bouyssel and P. Marquet: Evolution of the physical parametrisations of ARPEGE and ALADIN-MF models., ALADIN Newsletter, 35, 48-58.

**GMAP-GMME-2008-ASCL-2** : Brousseau P., F. Bouttier, G. Hello, Y. Seity, C. Fischer, L. Berre, T. Montmerle, L. Auger, S. Malardel, 2008 : A prototype convective-scale data assimilation system for operation : the Arome-RUC, HIRLAM Techn. Report, 68, 23-30.

**GMME-GMGEC-2008-ASCL-3** : De Rosnay, P., Drusch, M., Boone, A., Balsamo, G., Decharme, B., Harris, P., Kerr, Y., Pellarin, T., Polcher, J. and Wigneron, J.-P., 2008: The AMMA Land Surface Model Intercomparison Experiment coupled to the Community Microwave Emission Model: ALMIP-MEM, ECMWF Tech. Memorandum, Volume (565), 28 pp.

**GMAP-GMME-2008-ASCL-4** : Poli, P., Pailleux, J., Ducrocq, V., Moll, P., Rabier, F., Mauprizez, M., Dufour, S., Grondin, M., Lechat-Carvalho, F., Issler, J.-L., Latour, A.D. and Ries, L., 2008 : Meteorological Applications of GNSS from space and on the ground, Inside GNSS, Volume (3(8)), 30-39.

# C-INV

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

# 2008

## GMAP

**GMAP-2008-C-INV-1** : Desroziers G. : Tuning of observation error parameters in a variational data assimilation. IMA Workshop on Mathematical Advancement in Geophysical Data Assimilation. Banff, Canada, 2008.

**GMAP-2008-C-INV-2** : Descamps, L. et A. Joly: Prévisions hydrométéorologiques, Société Hydrotechnique de France : « De l'incertitude des prévisions à la prévision de l'incertitude. », Lyon, France, 18–19 novembre 2008.

**GMAP-2008-C-INV-3** : Joly, A.: Conseil Supérieur de la Météorologie, De l'incertitude des prévisions à la prévision de l'incertitude: Exposé présenté au colloque Comment manier l'incertitude des prévisions météorologiques et des projections climatiques?, Paris, France, 3 avril 2008.

**GMAP-2008-C-INV-4** : Karbou, F. : Apport des observations satellitaires micro-ondes pour une meilleure estimation de l'humidité atmosphérique, Colloque CNFG2: l'eau dans tous ses Etats, visions spatiales, UNESCO, Paris, France, 17-19 Novembre 2008.

**GMAP-2008-C-INV-5** : Pannekoucke, O.: BIRS: Mathematical Advancement in Geophysical Data Assimilation. Banff, Canada, 2008.

**GMAP-2008-C-INV-6** : Pannekoucke, O.: Diagnosis, estimation and modelization of forecast error covariances from an ensemble of perturbed forecasts. SAMA-IPSL : Ensemble Methods in Meteorology and Oceanography. Paris, mars 2008.

**GMAP-2008-C-INV-7** : Poli P., G. Beyerle, T. Schmidt, and J. Wickert: Assimilation of GPS radio occultation measurements at Météo-France, GRAS-SAF Workshop Application of GPS Radio Occultation Measurements, ECMWF, Reading, U.K., 16-18 juin 2008

**GMAP-2008-C-INV-8** : Rabier, F., C. Faccani, N. Fourrié, É. Gérard, V. Guidard, F. Karbou, P. Moll, R. Montrot, C. Payan, P. Poli: Global impact studies at Météo-France. Data impact workshop. OMM, Genève, 19-21 mai 2008. (<http://www.wmo.int/>).

## GMEI

**GMEI-2008-C-INV-1** : Baehr C. : Filtrage stochastique des mesures bruitées de vitesses d'un fluide turbulent. Conférence du GdR Turbulence, CEMAGREF de Rennes, 28 Janvier 2008.

**GMEI-2008-C-INV-2** : Bousquet O., 2008: On the use of operationally synthesized multiple-Doppler wind fields. WMO Technical Conference on Meteorological and Environmental Instruments and Methods of Observation (TECO-2008), 27-29 Nov. 2008, St. Petersburg, Russia

**GMEI-2008-C-INV-3** : Brenguier J. L. : Clouds in the perturbed climate system. Journées d'évaluation du programme APPRAISE du NERC (Aerosol Properties, Processes And InfluenceS on the Earth's climate), Leeds UK, 18-19 juin 2008.

**GMEI-2008-C-INV-4** : Brenguier J. L., L. Gomes, T. Bourriane : Community aerosol inled. ARM AVP Workshop on Advances in Airborne Instrumentation for Measuring Aerosols, Clouds, Radiation and Atmospheric State Parameters, Urbana-Champaign (IL), 14-16 octobre 2008.

**GMEI-2008-C-INV-5** : Brenguier J. L. : The EUFAR-FP6 JRA Airborne Aerosol Reference Pod. ARM AVP Workshop on Advances in Airborne Instrumentation for Measuring Aerosols, Clouds, Radiation and Atmospheric State Parameters, Urbana-Champaign (IL), 14-16 octobre 2008.

**GMEI-2008-C-INV-6** : Brenguier J. L. : Invitation de la Commission EU à participer à ECRI 2008 conference sur les infrastructures de recherche, Versailles, 9-11 décembre 2008.

**GMEI-2008-C-INV-7** : Gomes, L., , The role of anthropogenic and mineral dust aerosols in regulating cloud condensation nuclei, 2nd HYMEX International workshop, Palaiseau, France, 2-4 June 2008.

**GMEI-2008-C-INV-8** : Gomes, L., The role of anthropogenic and mineral dust aerosols in regulating cloud condensation nuclei, 1st Sino-French Joint Workshop on Atmospheric Environment: Urban and regional air quality: emissions, processes, monitoring and regulations, Beijing, 29-31 october 2008.

**GMEI-2008-C-INV-9** : Tulet, P., K. Crahan Kaku, S. Crumeyrolle and L. Gomes, Mixing of dust aerosols into a mesoscale convective system. An examination of the relative importance of downdraft generation and removal scavenging processes observed during the AMMA field campaign, Proceedings from the 15th ICCP International Conference, Cancun, Mexico, 7-13 July 2008.

## GMGEC

**GMGEC-2008-C-INV-1** : Douville, H., B. Decharme, S. Conil, and Y. Peings, 2008: Land surface versus ocean influence on atmospheric variability and predictability at the seasonal time scale. Parametrization of Subgrid Physical Processes, 1-4 September 2008, ECMWF, Reading, UK, 16 pp.

**GMGEC-2008-C-INV-2** : Peuch, V.-H., 2008: Le transport de pollution à longue distance ; avancées dans les projets collaboratifs européens. Colloque scientifique PRIMEQUAL « Pollution à Longue Distance », 8-9 décembre 2008, Nancy.

**GMGEC-2008-C-INV-3** : Peuch, V.-H., 2008: Regional air quality activities and services in GEMS. EIONET-PROMOTE users conference, Agence Environnementale Européenne, 12-13 juin 2008, Copenhague, Danemark.

**GMGEC-2008-C-INV-4** : Peuch, V.-H., 2008: The core service Atmosphere. Conférence NAVOBS+ sur le montage des projets « downstream » GMES au Toulouse Space Show, 21 avril 2008, Toulouse.

**GMGEC-2008-C-INV-5** : Planton, S., 2008: Detection and attribution of climate change to different causes. Colloque Entre-Sciences “New methodologies and interdisciplinary approaches in Global Change researches”, 6 Novembre 2008, Porquerolles.

**GMGEC-2008-C-INV-6** : Planton, S., 2008: L'évolution du climat en France. Colloque hydroécologie 2008, 16 octobre 2008, Clamart.

**GMGEC-2008-C-INV-7**: Planton, S., 2008: L'incertitude des projections climatiques, Colloque du Conseil Supérieur de la Météorologie, 3 avril 2008, Paris.

**GMGEC-2008-C-INV-8** : Somot, S., 2008: 21st Century regional coupled scenario for the Mediterranean Sea: first attempt and lessons for the future developments. ESF-MedCLIVAR Workshop on climate change modelling for the Mediterranean area, 13-15 October 2008, Trieste, Italy.

**GMGEC-2008-C-INV-9** : Somot, S., 2008: Lessons from the first attempts to simulate the future of the Mediterranean Sea. 3<sup>rd</sup> ESF-MedCLIVAR Workshop on understanding the mechanisms responsible for the Mediterranean Sea circulation and for sea level trends, 29 September-1<sup>st</sup> October 2008, Rhodes, Greece.

## GMME

**GMME-2008-C-INV-1** : Couvreux, F., Guichard, F. and Rio, C., 2008: What can be learned from Large Eddy simulations on boundary layer coherent structures, EMS-2008, Octobre 2008, Amsterdam, Holland.

**GMME-2008-C-INV-2** : Redelsperger, J.-L., 2008: The AMMA programme in Europe, "Making Europe Climate Proof", Ambassade de France Berlin.

**GMME-2008-C-INV-3** : Redelsperger, J.-L., 2008: The International Programme AMMA Past, Present and Future, JSC WCRP, Arcachon.

**GMME-2008-C-INV-4** : Redelsperger.., J.-L.., 2008: AMMA: Présentation du programme et leçons pour le chantier Méditerranée, Colloque Chantier Méditerranée, Aix en Provence.

## CEN

**CEN-2008-C-INV-1** : Flin, F.., and Brzoska, J.-B.., X-ray microtomography : an interesting tool to study the snow microstructure and its metamorphism, Workshop on the Microstructure and Properties of Firn, Dartmouth College, Hanover, NH 03755, USA, 10-11 march 2008, invited talk.

## MULTI-GROUPES

**GMAP-GMME-2008-C-INV-1** : Fischer, C.., Sahlaoui, Z.., Hdiddou, F.., Randriamampianina, R.., Bölöni, G.., Trojáková, A.., Jurařek, M.., Auger, L.., Bouttier, F.., Caumont, O.., Ducrocq, V.., Faccani, C.., Montmerle, T.., Wattrelot, É.. and Haase, G.., 2008: An overview of observation impact studies performed in the ALADIN community, 4th WMO Workshop on the Impact of Various Observing Systems on Numerical Weather Prediction, 19-21/05/2008, Genève, Suisse.

# C-ACTI

**Communications avec actes dans un congrès international**

# 2008

## GMAP

**GMAP-2008-C-ACTI-1** : Bouchard A., F. Rabier, V. Guidard, F. Karbou, N. Fourrié, T. Pangaud: Satellite Data Assimilation over Antarctica: The Concordiasi Field Experiment. Conférence ITSC, Brésil, mai 2008.

**GMAP-2008-C-ACTI-2** : Brousseau P. and L. Auger, Introduction to data assimilation in meteorology, Optical Turbulence, Astronomy meets Meteorology, Alghero, Sardegna (Italy), 15-18 September 2008.

**GMAP-2008-C-ACTI-3** : Michel, Y. and R. Renshaw: Inclusion of time-distributed wind observations in 4D-Var for Tropical Cyclone bogussing. ITSC-XVI, Angra dos Reis, Brazil, 7-13 May 2008 .

**GMAP-2008-C-ACTI-4** : Michel,Y. and F. Bouttier: Case studies of 4D-Var assimilation of potential vorticity observations derived from image processing. ITSC-XVI, Angra dos Reis, Brazil, 7-13 May 2008.

**GMAP-2008-C-ACTI-5** : T. Montmerle, N. Fourrié, E. Gérard, V. Guidard, F. Karbou, P. Moll, C. Payan, P. Poli and F. Rabier: Recent advances in the use of satellite data in the French NWP models. The 16th International TOVS Study Conference (ITSC-16), Angra dos Reis, Brazil, 7-13 May, 2008.

**GMAP-2008-C-ACTI-6** : Montraty R., F. Rabier, S. Westrelin and G. Faure: Impact of rain-affected microwave data assimilation on the analyses and forecasts of tropical cyclones. Conférence ITSC, Brésil, 7-13 mai 2008.

**GMAP-2008-C-ACTI-7** : Pangaud T., V. Guidard, N. Fourrié, F. Rabier, P. Poli: Assimilation of cloudy AIRS observations in the French global atmospheric model ARPEGE. The 16th International TOVS Study Conference (ITSC-16), Angra dos Reis, Brazil, 7-13 May 2008.

**GMAP-2008-C-ACTI-8** : Payan C.: Status on the Use of Scatterometer Data at Meteo France. Proceedings de l'International Winds Workshop (IWW9). Annapolis (MD - USA) 14 au 18 avril 2008

**GMAP-2008-C-ACTI-9** : Wickert, J., C. Arras, C.O. Ao, G. Beyerle, C. Falck, L. Grunwaldt, S.B. Healy, S. Heise, A. Helm, C.Y. Huang, N. Jakowski, R. König, T. Mannucci, C. Mayer, G. Michalak, P. Poli, M. Rothacher, T. Schmidt, R. Stosius, and B. Tapley: CHAMP, GRACE, SAC-C, TerraSAR-X/TANDEM-X: Science results, status and future prospects, Proceedings of the GRAS-SAF Workshop Applications of GPS Radio Occultation Measurements, ECMWF, Reading, U.K., 16-18 June 2008

## GMEI

**GMEI-2008-C-ACTI-1** : Burnet F., and J.-L. Brenguier, Entrainment and mixing in warm convective clouds: effects on droplet spectra and on the onset of precipitation. Proceeding of the 15th International Conference on Clouds and Precipitation (ICCP-2008), Cancun, Mexico, 7-11 July 2008.

**GMEI-2008-C-ACTI-2** : Crumeyrolle, S, L. Gomes and P. Tulet, The impact of MCS on aerosol physical and chemical properties, focusing on hygroscopicity, during the AMMA campaign, Proceedings from the EGU General Assembly 2008, Vienna, Austria, 13-18 April 2008.

**GMEI-2008-C-ACTI-3** : Dulac, F., and the ChArMEx Team, A review of the Mediterranean tropospheric aerosol and ozone chemistry and the project ChArMEx (Chemistry-Aerosol Mediterranean Experiment), Proceedings from the EGU General Assembly 2008, Vienna, Austria, 13-18 April 2008.

**GMEI-2008-C-ACTI-4** : Etling, D., C. Knigge, A. Paci, and O. Eiff, A Laboratory experiments on mountain induced rotors. 13th Conference on Mountain Meteorology (AMS), Whistler, BC, Canada, 11-15 August 2008.

**GMEI-2008-C-ACTI-5** : Etling, D, C. Knigge, A. Paci, and O. Eiff, Laboratory experiments on Atmospheric rotors, 7th EUROMECH Fluid Mechanics Conference, Manchester, UK, 14-18 September 2008.

**GMEI-2008-C-ACTI-6 :** Gomes, L., S. Crumeyrolle, P. Tulet, A. Matsuki, A. Schwarzenboeck, H. Venzac, P. Laj, The role of mesoscale convective systems in the change of aerosol hygroscopic properties: a case study from the AMMA campaign, Proceedings from the 10th IGAC International conference, Annecy, France, 8-12 Sept. 2008.

**GMEI-2008-C-ACTI-7 :** Gomes, L., O. L. Mayol-Bracero, F. Morales, G. Frank, J. J. N. Lingard and J. McQuaid, Anthropogenic and mineral dust aerosols over the western Atlantic ocean and their role in regulating cloud condensation nuclei, Proceedings from the 15th ICCP International Conference, Cancun, Mexico, 7-13 July 2008.

**GMEI-2008-C-ACTI-8 :** Gomes, L., F. Burnet, A. Schwarzenboeck, R. Weigel, and the ATR-42 team, Airborne observations of aerosol and cloud properties during EUCAARI intensive campaign with the F-R-42, In Proceedings of 2008 EUCAARI Annual meeting, Helsinki, 17-21 November 2008.

**GMEI-2008-C-ACTI-9 :** Krejci R. on behalf of WP4.3 team, Airborne infrastructures – LONGREX and IMPACT intensive observational periods, In Proceedings of 2008 EUCAARI Annual meeting, Helsinki, 17-21 November 2008.

**GMEI-2008-C-ACTI-10 :** Lohmann, U. On behalf of WP3.1 team, CCN/IN activation and optical properties. In Proceedings of 2008 EUCAARI Annual meeting, Helsinki, 17-21 November 2008.

**GMEI-2008-C-ACTI-11 :** Matsuki, A., A. Schwarzenboeck, H. Venzac, P. Laj, O. Laurent, G. Momboisse, S. Crumeyrolle, L. Gomes, and T. Bourrianne, Cloud nucleating properties of mineral dust particles observed during AMMA special observation periods in summer 2006, Proceedings from the 10th IGAC International conference, Annecy, France, 8-12 Sept. 2008.

**GMEI-2008-C-ACTI-12 :** Roberts, G.C., L. Gomes, J.-L. Brenguier, R. Boers, Multi-Platform Observations of Cloud Condensation Nuclei during EUCAARI, Abstract for EUCAARI IMPACT-LONGREX joint workshop, Toulouse, France, 2008.

**GMEI-2008-C-ACTI-13 :** Roberts, G.C., L. Gomes, J.L. Brenguier, and R. Boers, Multi-platform observations of cloud condensation nuclei during EUCAARI, In Proceedings of 2008 EUCAARI Annual meeting, Helsinki, 17-21 November 2008.

**GMEI-2008-C-ACTI-14 :** Tabary, P., G. Vulpiani, J. Gourley, A. Illingworth and O. Bousquet, Unusually large attenuation at C-band in Europe: How often does it happen? What is the origin? Can we correct for it? 5th European Conf. on Radar In Meteorology and Hydrology (30 June - 4 July 2008, Helsinki, Finland), 5pp.

## GMGEC

**GMGEC-2008-C-ACTI-1 :** Samson, G., H. Giordani, G. Caniaux, and F. Roux, 2008 : Analysis of a resonant-like regime in the oceanic mixed layer induced by a moving hurricane. 28<sup>th</sup> Conf. On Hurricane and Tropical Meteorology, 28 April – 2 May 2008, Orlando (Fl.), U.S.A, 4D.2, 4 pp.

## GMME

**GMME-2008-C-ACTI-1 :** Bock, O., Meynadier, R., Guichard, F., Roucou, P., Boone, A., Redelsperger, J.-L. and Janicot, S., 2008: Assessment of water budgets computed from NWP models and observational datasets during AMMA-EOP, AMS 28th Conference on Hurricanes and Tropical Meteorology, 27 avril-2 mai 2008, Orlando, USA, 138101, 3C.3, 6pp.

**GMME-2008-C-ACTI-2 :** Boilley, A., Mahfouf, J.-F. and Lac, C., 2008: High resolution numerical modelling of low level wind-shear over the Nice-Côte d'Azur airport, 13th AMS conference on mountain meteorology, 11-15 Août 2008, Whistler, Canada, 6pp.

**GMME-2008-C-ACTI-3 :** Bouniol, D., Besson, L., Lemaître, Y., Nuret, M. and Protat, A., 2008: Heating and moistening over the southern quadrilater of the AMMA experiment, Pan-GCSS meeting, 2-6 Juin 2008, Toulouse, France.

**GMME-2008-C-ACTI-4** : Carrer, D., Geiger, B., Roujean, J.-L., Hautecoeur, O. and Meurey, C., 2008: Operational derivation of surface albedo and downwelling shortwave radiation based on MSG observations in the frame of the SAF programme on Land Surface Analysis, Proceedings of the 2008 IEEE International Geoscience and Remote Sensing Symposium, 6-11 Juillet 2008, Boston, USA

**GMME-2008-C-ACTI-5** : Caumont, O., Pradier-Vabre, S., Jaubert, G. and Ducrocq, V., 2008: 1D+3DVar assimilation of radar reflectivities for short-term high-resolution quantitative precipitation forecasts, Int. Symp. on Weather Radar and Hydrology (WRaH2008), 10-15/03/2008, Grenoble et Autrans, France

**GMME-2008-C-ACTI-6** : Couvreux, F. and Rio, C., 2008: A conditional sampling of boundary-layer plumes for the validation of mass flux parameterizations, 8th AMS Symposium on Boundary Layers and Turbulence, 9-13 June 2008, Stockholm, Suède

**GMME-2008-C-ACTI-7** : Couvreux, F., Guichard, F., Bock, O., Lafore, J.-P. and Redelsperger, J.-L., 2008: Taking the pulse of the monsoon flux over West Africa prior to the monsoon onset, 8th AMS Symposium on Boundary Layers and Turbulence, 9-13 June 2008, Stockholm, Suède

**GMME-2008-C-ACTI-8** : De Rosnay, P., Drusch, M., Wigneron, J.-P., Holmes, T., Balsamo, G., Boone, A., Rüdiger, C., Calvet, J.-C. and Kerr, Y., 2008: Soil moisture remote sensing for numerical weather prediction: L-band and C-band emission modeling over land surfaces, the community microwave emission model (CMEM), IGARRS IEEE International Geoscience & Remote Sensing Symposium, 6-11 July 2008, Boston

**GMME-2008-C-ACTI-9** : Dell'Aquila, A., Favot, F., Guichard, F., Hourdin, F., Janicot, S., Losada, T., Musat, I., Roca, R. and Ruti, P.M., 2008: How do the large-scale models represent the West African Monsoon mean state and variability (the AMMA-MIP experiment)?, AMS 88th Annual Meeting, 20th Conference on Climate Variability and Change, 20-24 janvier 2008, New Orleans, USA

**GMME-2008-C-ACTI-10** : Faroux, S., Masson, V., Roujean, J.-L. and ECOCLIMAP-II, 2008: a climatologic global data base of ecosystems and land surface parameters at 1 km based on the analysis of time series of VEGETATION data, The 2008 IEEE International Geoscience and Remote Sensing Symposium, 6-11 Juillet 2008, Boston, USA

**GMME-2008-C-ACTI-11** : Hautecoeur, O. and Roujean, J.-L., 2008: Validation of POLDER surface albedo products based on a review of other satellites and climate databases, Proceedings of the 2008 IEEE International Geoscience and Remote Sensing Symposium, 6-11 Juillet 2008, Boston

**GMME-2008-C-ACTI-12** : Jenkins, G.-S., Kucera, P.-A., Joseph, E., Fuentes, J.-D., Gaye, A.-T., Gerlach, J., Roux, F., Protat, A., Bouniol, D. and Viltard, N., 2008: Coastal observations of disturbed weather in Senegal during the 2006 NAMMA field campaign. Tropical Meteorology Special Symposium, 2008~American Meteorological Annual Meeting, 20-24 Janvier 2008, Nouvelle-Orléans, Louisiane, USA.

**GMME-2008-C-ACTI-13** : Lothon, M., Canut, G., Saïd, F., Guichard, F., Couvreux, F., Lohou, F. and Campistron, B., 2008: Processes involved in the Planetary Boundary Layer in the frame of the West African Monsoon, AMS 18th Conference on Boundary?Layers and Turbulence, 9-13 juin 2008, Stockholm, Suède, 10B.4, 139902, 8 pp.

**GMME-2008-C-ACTI-14** : Mailhot, J., Lemonsu, A. and Bélair, S., 2008: Assessment of the Canadian urban modeling system using Joint Urban 2003 observations over Oklahoma City, 18th Symposium on Boundary Layers and Turbulence, AMS, June 9-13, Stockholm, Sweden, P1-6

**GMME-2008-C-ACTI-15** : Penide, G., Giraud, V., Duroure, C., Protat, A., Bouniol, D. and Dubuisson, P., 2008: The 7 to 9 September 2006 AMMA anvil-cirrus cloud case study: numerical simulation of the dynamics, cloud microphysics, and synthetic observations, 15th International Conference on Clouds and Precipitations, 7-11 Juillet 2008, Cancun, Mexique.

**GMME-2008-C-ACTI-16** : Rüdiger, C., Calvet, J.-C., Holmes, T., de Jeu, R., Wagner, W., Chanzy, A. and Wigneron, J.-P., 2008: Soil Moisture Observations from Space - An Analysis of Existing Data Sets, Proceedings of the 3rd international CAHMRA workshop on: Hydrologic Prediction - Modelling, Observation, and Data Assimilation, 9-11 January, 2008, Melbourne, Australia, 4pp

**GMME-2008-C-ACTI-17** : Sabater J.M., Rüdiger, C., Calvet, J.-C., Jarlan, L. and Massart, S., 2008: Joint assimilation of surface soil moisture and LAI observations with a simplified 1D-VAR assimilation scheme, Proceedings of the 3rd international CAHMDA workshop on: Hydrologic Prediction - Modelling, Observation, and Data Assimilation, 9-11 January, 2008, Melbourne, Australia, 4pp

**GMME-2008-C-ACTI-18** : Zribi, M., Hauser, D., Pardé, M., Fanise, P., Leroy, P., Dechambre, M., Boutin, J., Reverdin, G., Calvet, J.-C., Wigneron, J.-P., Skou, N., Søbjærg, S., Reul, N., Ruis, A., Weill, A. and Cardellach, E., 2008: Combined airborne radio-instruments for ocean and land studies (CAROLs), IGARSS, 6-11 July, 2008, Boston, USA, II-1200-1203.

## CEN

**CEN-2008-C-ACTI-1** : Fierz, C., Armstrong, R.-L., Durand, Y., Etchevers, P., Greene, E., McClung, D. M., Nishimura, K., Satyawali, P. K., and Sokratov, S., 2008 : The 2008 International Classification of Seasonal Snow on the Ground. International Snow Science Workshop (ISSW), 21-27 september 2008, Whistler, Canada.

**CEN-2008-C-ACTI-2** : Guyomarc'h, G., Durand, Y., and Giraud, G., 2008 : Toward an Integration of a Snowdrift Modelling in the Operational Avalanche Forecast. International Snow Science Workshop (ISSW), 21-27 september 2008, Whistler, Canada.

## MULTI-GROUPES

**GMAP-GMGEC-2008-C-ACTI-1** : Bazile, E., Y. Bouteloup, F. Bouyssel and P. Marquet : 18th Symposium on Boundary Layer and Turbulence: From the GABLS's result to the ARPEGE NWP system: an easy ride? Stockholm, Suède, 9-13 Juin 2008.

**GMEI-GMAP-2008-C-ACTI-2** : Bousquet, O., T. Montmerle, and P. Tabary, Using operationally synthesized multiple-Doppler winds for nowcasting and high resolution NWP model wind verification. 5<sup>th</sup> European conference on radar in meteorology and hydrology (ERAD), 30 June - 4 July 2008, Helsinki, Finland, 4pp.

**GMME-GMEI-2008-C-ACTI-3** : Calvet,J.C., C. Rüdiger, J.M. Sabater, N. Fritz, J.-F. Mahfouf, A.-L. Gibelin, E. Martin, G. Balsamo, P. De Rosnay, L. Jarlan, A. Brut, Y. Kerr and J.-P. Wigneron, 2008: Assimilation of EO data in land surface models: interactions between water and carbon cycles, Proceedings of the 3rd international CAHMDA workshop on: Hydrologic Prediction – Modelling, Observation, and Data Assimilation pages, Melbourne, Australia, 9-11 January, 2008, 4pp.

**GMME-GMAP-2008-C-ACTI-4** : Duffourg, F., Ducrocq, V., Jaubert, G., Fourrié, N. and Guidard, V., 2008: Convective-scale data assimilation of satellite infrared radiances over the Mediterranean: adaptation of the observation operator to the high-resolution. The 16th International TOVS Study Conference (ITSC-16), Angra dos Reis, Brazil, 7-13 May, 2008.

**GMEI-GMME-2008-C-ACTI-5** : Elias, T., Haeffelin, M.; Drobinski, P.; Gomes, L.; Rangognio, J.; Bergot, T.; Chazette, P.; Raut, J. C. P.; Dupont, J. C.; Fesquet, C.; Holin, H.; Dupont, E.; Musson-Genon,, Light extinction during the fog life cycle: a result from the ParisFog field experiment, Proceedings from the EGU General Assembly 2008, Vienna, Austria, 13-18 April 2008.

**GMAP-GMME-2008-C-ACTI-6** : Wattrelot, E., Caumont, O., Pradier-Vabre, S., Jurasek, M. and Haase, G., 2008: 1D+3DVar assimilation of radar reflectivities in the pre-operational AROME model at Météo-France, 5th European Conf. on Radar in Meteorology and Hydrology (ERAD2008), 30/06-04/07/2008, Helsinki, Finlande

# C-ACTN

**Communications avec actes dans un congrès national**

# 2008

## GMME

**GMME-2008-C-ACTN-1** : Long, N. and Pigeon, G., 2008: Impact de l'urbanisation sur la variabilité spatiotemporelle des températures à Marseille, XXIème Colloque de l'association internationale de climatologie : Climat et risques climatiques en Méditerranée, 9-13 septembre 2008, Montpellier, France, 399-404

**GMME-2008-C-ACTN-2** : Martin, E., Thirel, G., Regimbeau, F., J.Noilhan, Franchistéguy, L., Soubeyroux, J.-M. and Habets, F., 2008: Vers une prévision d'ensemble des débits à l'échelle des grands bassins français, 2011.01.23, 8

**GMME-2008-C-ACTN-3** : Vincendon, B., Ducrocq, V., Martin, E., Noilhan, J., Kotroni, V., Lagouvardos, K., Milelli, M., Saulnier, G.-M., Steiner, P., Dierer, S., Bouilloud, L., Lelay, M. and Chancibault, K., 2008: Simulations hydrométéorologiques haute résolution de crues rapides sur les Cévennes, 2011.01.23, 8

## MULTI-GROUPES

**GMAP-GMGEC-GMME-2008-C-ACTN-1** : Renaudie, C., G. Hello, H. Giordani, S. Malardel, F. Bouttier, R. Baraille et Y. Morel, 2008 : Etude de sensibilité du modèle AROME à une variation de SST pour le cas FIRE. Ateliers de Modélisation de l'Atmosphère, Toulouse, France, janvier 2008.

# 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.**

# 2008

## GMAP

**GMAP-2008-AP-1** : Brousseau P. and L. Auger: Optical Turbulence, Astronomy meets Meteorology: Introduction to data assimilation in meteorology, 156-164, Editors: Elena Masciadri & Marc Sarazin, Imperial College Press, ISBN-13: 978-1-84816-485-7

**GMAP-2008-AP-6** : Poli P. : « GALILEO : Un enjeu stratégique, scientifique et technique », 254, Editeur : F. Barlier, Editions L'Harmattan, Paris, ISBN 9782296051393

## GMGEC

**GMGEC-2008-AP-1** : Beuvier, J., F. Sevault, et S. Somot, 2008: Modélisation de la variabilité interannuelle de la mer Méditerranée sur la période 1960-2000 à l'aide de NEMOMED8. CNRM, Groupe de Météorologie de Grande Echelle et Climat, 105, 88 pp.

**GMGEC-2008-AP-2** : Douville, H., and Y. Peings, 2008: Influence of the Northern Hemisphere snow cover on interannual climate variability in observations and CMIP3 simulations. Part 1: Boreal winter extra-tropical circulation. ENSEMBLES report, 24 pp.

**GMGEC-2008-AP-4** : Gershunov, A. and H. Douville, 2008: Extensive summer hot and cold extremes under current and possible future climatic conditions: Europe and North America. In: Climate Extremes and Society, Eds. Diaz, H., and R. Murnane, Cambridge University Press, 74-98

**GMGEC-2008-AP-5** : Guérémy, J.-F., and E. Da Costa, 2008: Development of interpolation package, MERSEA ¼ and coupled models installation. MERSEA final report, 5 pp.

**GMGEC-2008-AP-6** : Hallegatte, S., S. Somot, and H. Nassopoulos, 2008: Anticiper le Changement Climatique autour de la Méditerranée. Coll. « Notes & Documents », Institut de Prospective Economique du Monde Méditerranéen, Paris, 76 pp.

**GMGEC-2008-AP-9** : Peings, Y., and H. Douville, 2008: Influence of the Northern Hemisphere snow cover on interannual climate variability in observations and CMIP3 simulations. Part 2: Indian summer monsoon. ENSEMBLES report, 32 pp.

**GMGEC-2008-AP-10** : Planton, S., A. Barkhordarian, and A. Ribes, 2008: Evaluation of the detection of temperature change over the Mediterranean area. Deliverable for CIRCE project, 22 pp.

## CEN

**CEN-2008-AP-1** : Goetz, D., Brunot, G., Cosse, J.-M., Debray, D., Guardiola, S., Jacolin, C., Lapalus, P., Latu, V., Malgrand, M., and Vrécourt D., Aperçu nivo-climatologique des massifs des Alpes, de la Corse et des Pyrénées : situations avalancheuses naturelles remarquables. Note de centre CEN (CNRM Météo-France), 26, août 2008.

## GMME

**GMME-2008-AP-1** : Dolman, A.-J., Noilhan, J., Tolk, L.-F., Lauvaux, T., der Molen, M.V., Gerbig, C., Miglietta, F. and Perez-Landa, G., 2008: Regional Measurements and Modelling of Carbon Exchange, In: *The Continental-Scale Greenhouse Gas Balance of Europe*, Eds. A.-J. Dolman and R. Valentini and A. Freibauer, Springer, 285-308.

**GMME-2008-AP-2** : Gimeno-Presa, L., Masson, V. and Arnfield, J., 2008: Direction of the Special issue on CAPITOUL, Meteorology and Atmospheric Physics, Volume (102) (3-4).

**GMME-2008-AP-4** : King, J., Pomeroy, C.K.J., Gray, D.-M., Fierz, C., Föhn, P., Harding, R., Jordan, R., Martin, E. and Plüss, C., 2008: Snow-atmosphere energy and mass balance, In: Snow and Climate: Physical Processes, Surface Energy Exchange and Modelling, Eds. Armstrong R. and E. Brun, Cambridge University Press, 70-124

## MULTI-GROUPES

**GMGEC-CEN-2008-AP-1** : Brun, E., Z-L. Yang, R. Essery, and J. Cohen, 2008: Snow-cover parametrization and modeling. In: Snow and Climate, Eds. Armstrong, R.L., and E. Brun, Cambridge University Press, 125-180.

**GMAP-GMME-2008-AP-3** : Joly A. et V. Ducrocq, 2008 : CYPRIM, cyclogenèses et précipitations intenses en région Méditerranéenne. Rapport final INSU, convention INSU–FNS 04 210, 57.

**GMGEC-CEN-2008-AP-4** : Jordan, R., M. Albert, and E. Brun, 2008 : Physical processes within the snow cover and their parametrization. In: Snow and Climate, Eds. Armstrong, R.L., and E. Brun, Cambridge University Press, 12-69.

# THESES

# 2008

## GMAP

**GMAP-2008-AP-2** : Michel Y. : Assimilation de données d'images télédéetectées en météorologie. Thèse de doctorat de l'université Paul Sabatier. Soutenue le 17 décembre 2008

**GMAP-2008-AP-3** : Montraty R. : Impact d'une assimilation à méso-échelle sur la prévision cyclonique. Thèse de doctorat de l'université Paul Sabatier. Soutenue le 19 décembre 2008

**GMAP-2008-AP-4** : Pannekoucke O. : Modélisation des structures locales de covariance des erreurs de prévisions à l'aide des ondelettes Thèse de doctorat de l'université Paul Sabatier. Soutenue le 20 mars 2008

**GMAP-2008-AP-5** : Plu, M. : Représentation numérique et mathématique des structures météorologiques cohérentes d'échelle synoptique. Thèse de doctorat de l'université Paul Sabatier. Soutenue le 24 janvier 2008

**GMAP-2008-AP-7** : Voitus, F. : Etude de la faisabilité des conditions aux limites latérales bien-posées et transparentes dans la dynamique des modèles ALADIN & AROME. Thèse de doctorat de l'université Paul Sabatier. Soutenue le 03 décembre 2008

## GMGEC

**GMGEC-2008-AP-7** : Joly, M., 2008: Rôle des océans dans la variabilité climatique de la mousson africaine. Thèse de doctorat de l'Université Paris-Est, soutenue le 27 novembre 2008 au CNRM-GAME, 194 pp.

**GMGEC-2008-AP-8** : Martet, M., 2008 : Introduction des différentes composantes de l'aérosol dans le modèle MOCAGE. Thèse de doctorat de l'Université Toulouse III - Paul Sabatier, soutenue le 26 juin 2008 au CNRM-GAME, 212 pp.

**GMGEC-2008-AP-11** : Semane, N., 2008 : Etude par simulation et assimilation de la composition chimique et des échanges dans la haute-troposphère / basse stratosphère. Thèse de doctorat de l'Université Toulouse III - Paul Sabatier, soutenue le 18 décembre 2008 au CNRM-GAME, 160 pp.

## GMME

**GMME-2008-AP-3** : Hidalgo, J., 2008 : Une approche expérimentale, numérique et théorique de la circulation de brise urbaine diurne pour les villes continentales. Thèse de doctorat de l'Université Paul Sabatier, soutenue le 07 avril 2008 au CNRM-GAME.

**GMME-2008-AP-5** : Pergaud, J., 2008 : Etude et paramétrisation de la turbulence et des nuages de couche limite. Thèse de doctorat de l'Université Paul Sabatier, soutenue le 04 décembre 2008 au CNRM/GAME.

**GMME-2008-AP-6** : Quintana-Segui, P., 2008 : Simulation hydrologique en région méditerranéenne avec SAFRAN-ISBA-MODCOU. Amélioration de la physique et évaluation des risques dans le cadre du changement climatique. Thèse de doctorat de l'Université Paul Sabatier, soutenue le 10 décembre 2008 au CNRM/GAME.

## MULTI-GROUPES

**CEN-GMGEC-2008-AP-2** : Etchevers-Dombrowski, L., 2010 : Etude de l'aérosol atmosphérique en Europe : observations et modélisation en sites d'altitude. Thèse de doctorat de l'Université Toulouse III - Paul Sabatier, soutenue le 15 décembre 2008 au CNRM-GAME, 164 pp.

**GMME-GMGEC-2008-AP-5** : [Roehrig, R.](#), 2010 : Variabilité intrasaisonnière de la Mousson Africaine : caractérisation et modélisation. Thèse de doctorat de l'Université Paris-Est, soutenue le 19 novembre 2010 au CNRM-GAME, 395 pp.

# HDR

## **Habilitations à Diriger des Recherches**

# 2008

## GMGEC

**GMGEC-2008-AP-3 :** Douville, H., 2008 : Influence des surfaces continentales sur la variabilité du cycle hydrologique des échelles inter-annuelle à multi-décentrale : une brève histoire de la « dérive des continents » dans les modèles de climat. Habilitation à diriger des Recherches de l'Université Toulouse III - Paul Sabatier, soutenue le 8 février 2008 au CNRM-GAME, 132 pp.

## GMME

**GMME-2008-AP-7 :** Roujean, J.-L., 2008 : Télédétection optique multi-angulaire des surfaces continentales pour la Météorologie, Habilitation à diriger des recherches, Université Paul Sabatier Toulouse, soutenue le 14 avril 2008 au CNRM/GAME.