

21/03/2006

PUBLICATIONS SCIENTIFIQUES DANS LES REVUES À COMITÉ DE LECTURE 2005

Ancey C., and E. Martin, 2005 : La neige. La Recherche, rubrique Bac to Basis, n° 383, février, 73-76.

Anquetin, S., E. Yates, V. Ducrocq, S. Samouillan, K. Chancibault, S. Davolio, C. Accadia, M. Casaioli, S. Mariani, and G. Ficca, 2005 : The 8 and 9 September 2002 flash flood event in France : an intercomparison of operational and research meteorological model. Natural Hazards and Earth System Sciences, 5, p 741-754.

Auer, I, R. Böhm, A. Jurkovic, ... , O. Mestre, J.M. Moisselin, ... and al., 2005 : A new instrumental precipitation dataset for the greater alpine region for the period 1800-2002. International J. Climatol., 25, p 139–166.

Bastin, S., P. Drobinski, A. Dabas, P. Delville, O. Reitebuch, and C. Werner, 2005 : Impact of the Rhône and Durance valleys on sea-breeze circulation in the Marseille area. Atmospheric Research, 74, p 303-328.

Belamari, S., J.-L. Redelsperger et M. Pontaud, 2005 : Rôle des coups de vent d'Ouest dans le déclenchement d'El Niño. La Météorologie, 49, p 28-37.

Bénard, P., J. Masek, and P. Smolikova, 2005 : Stability of Leap-Frog constant-coefficients semi-implicit schemes for the fully elastic system of Euler equations, case with orography. Mon. Wea. Rev., 133 55), p1065-1075.

Bergot, T., D. Carrer, J. Noilhan and P. Bougeault, 2005 : Improved site-specific numerical of fog and low clouds : a feasibility study. Weather and Forecasting, August, 20, p 627-646.

Brut, A., A. Butet, P. Durand, G. Caniaux and S. Planton, 2005 : Air-sea exchanges in the equatorial area from the Equalant99 dataset : Bulk parameterizations of turbulent fluxes corrected for airflow distortion. Quarterly Journal of Royal Meteorology Society, n° 610 Part B, pp 2497-2538.

Caniaux, G., A. Brut, D. Bourras, H. Giordani, L. Prieur, A. Paci, and G. Reverdin, 2005 : A one year sea surface heat budget in the north-eastern Atlantic basin during the Pomme experiment. Part I : Flux estimates. Journal of Geophys. Res., 110, C07S02, doi :10.129/2004JC002596.

Caniaux, G., S. Belamari, H. Giordani, A. Paci, L. Prieur and G. Reverdin, 2005 : A one year sea surface heat budget in the north-eastern Atlantic basin during the Pomme experiment. Part 2 : Flux optimization. J. Geophys. Res., 110, C07S03, doi :10.129/2004JC002695.

Champeaux, J.L., V. Masson and R. Chauvin, 2005 : Ecoclimap : A global database of land surface parameters at 1 km resolution. Meteorological Applications, 12 (1), p 29-32.

Chauvin, F., J.F. Royer and H. Douville, 2005 : Interannual variability and predictability of African easterly waves in a GCM. *Climate Dynamics*, 24 (5), p 523-544. (DOI 10.1007/s00382-004-0507-9)

Cibot, C., E. Maisonnavé, L. Terray, B. Dewitte, 2005 : Mechanisms of tropical Pacific interannual-to-decadal variability in the Arpege/Orca global coupled model. *Clim. Dyn.*, 24 (8), pp. 823 – 842.

Clark, H.L., 2005 : Longitudinal variability of cirrus and water vapour in the tropical tropopause layer. *Journal of Geophysical Research*, doi:10.1029/2004JD004943, 110, D07107, 2005.

Cohen, J.C., J.M. Veyssière and P. Bessemoulin, 2005 : Bio-climatological aspects of summer 2003 over France. *Extreme Weather Events and Public Health Responses*, Kirch, Menne, Bertollini (Eds), 33-46.

Coret, L., Ph. Maisongrande, A. Boone, A. Lobo, G. Dedieu, and P. Gouaux, 2005: Diagnosis of the 2003 drought impact with high resolution remote sensing time series over southwestern France. *Int. J. remote Sensing*, 26, 11, p 2461-2469.

Corripio, J.G., Y. Durand, G. Guyomarc'h, L. Mérindol, D. Lecorps and P. Puglièse, 2005 : Land-based remote sensing of snow for the validation of a snow transport model. *Cold Regions Science and Technology*, 39, p 93-104.

Cousin, F., P. Tulet and R. Rosset, 2005 : Interaction between local and regional pollution during Escompte 2001 : impact on surface ozone concentrations (IOP2a and 2b). *Atmospheric Research* , V.74, p 117-137.

Couvreux, F., F. Guichard, J-L. Redelsperger, C. Kiemle, V. Masson, J.-P. Lafore and C. Flamant, 2005 : Assessment of water vapour variability within a convective boundary layer over land using Large Eddy Simulations and IHOP observations. *Quart. J. Roy. Meteor. Soc.*, 131, p 2665-2693.

Dago, D., 2005 : Visite d'un poste climatologique en Guyane. *La Météorologie*, 49, p 38-41.

Dahoui, M., L. Lavanant, F. Rabier, and T. Auligné, 2005 : Use of the Modis imager to help dealing with AIRS cloudy radiances. *Quart. J. R. Met. Soc.*, 131B, 610, p 2559-2580.

Decharme, B. and H. Douville, 2005 : Introduction of a sub-grid hydrology in the Isba land surface model. *Climate Dyn.*doi.10.1007/s00382-005-00597.

Deckmyn, A. and L. Berre, 2005 : A wavelet approach to representing background error covariances in a limited area model. *Mon. Wea. Rev*, Vol. 133, pp. 1279-1294.

Delrieu, G., V. Ducrocq, E. Gaume, J. Nicol, O. Payrastré, E. Yates, P.-E. Kirstetter, H. Andrieu, P. A. Aral, C. Bouvier, J. D. Creutin, M. Livet, A. Anquetin, M. Lang, L. Neppel, C. Obled, J. Parent-du-Chatelet, G. M. Saulnier, A. Walpersdorf, and W. Wobrock, 2005 : The catastrophic flash-flood event of 8-9 September 2002 in the Gard region, France: a first case study for the Cévennes-Vivarais Mediterranean Hydro-meteorological Observatory. *Journal of Hydrometeorology*, 6, p 34-52.

De Moor, G. et J-C. André, 2005 : Navier, un honnête homme de la mécanique, et les équations de Navier-Stokes. *La Météorologie*, 50, p 51-59.

De Moor, G. et Lachaud, G. 2005 : Douze savants français. *La Météorologie*, 51, p 46-49.

Déqué, M., R.G. Jones, M. Wild, F. Giorgi, J.H. Christensen, D.C. Hassell, P.L. Vidale, B. Rockel, D. Jacob, E. Kjellström, M. de Castro, F. Kucharski and B. Van den Hurk, 2005 : Global high resolution versus Limited Area Model climate change projections over Europe: quantifying confidence level from Prudence results. *Climate Dynamics*, 25, p 653-670.

Déqué, M., 2005 : Coupling models : short-term variations. WMO, bulletin 54, p 127-132.

Derrien, M. and H. Le Gléau, 2005 : MSG/Seviri cloud mask and type from SAF-NWC. *International Journal of Remote Sensing*, Vol. 26, n°. 21, 4707-4732

Desroziers, G., P. Brousseau and B. Chapnik, 2005 : Use of randomization to diagnose the impact of observations on analyses and forecasts. *Q. J. R. M. S.* , 131, p 2821-2837.

Douville, H., 2005 : Limitations of time-slice experiments for predicting regional climate change over South Asia. *Climate Dynamics*, 24 (4), p 373-391.

Douville, H., D. Salas-Mélia and S. Tyteca, 2005 : On the tropical origin of uncertainties in the global land precipitation response to global warming. *Climate Dyn.* DOI 10.1007/s00282-005-0088-2.

Drevet, C. 2005 : L'apport de Météo-France dans le domaine des protections climatiques. *La Météorologie*, 51, p 37-45.

Drobinski, P., S. Bastin, V. Guénard, J.-L. Caccia, A. M. Dabas, P. Delville, A. Protat, O. Reitebuch, et C. Werner, 2005 : Summer Mistral at the exit of the Rhône valley. *Quarterly Journal of the Royal Meteorological Society*, 131, p 353-375.

Drogue, G., O. Mestre, L. Hoffmann, J.F. Iffly, I. Pfister, 2005 : Recent warming in a small region with semi-oceanic climate, 1949-1998 : what is the ground truth? *Theor. Appl. Climatol.* , 81, p 1-10.

Dufour, A., M. Amodei, G. Ancellet and V.-H. Peuch, 2005 : Observed and modelled "chemical weather" during Escompte. Numéro spécial Escompte de la revue *Atmospheric Research*, 74, pp.161-189

Durand, Y., G. Guyomarc'h, L. Merindol, J. Corripio and al., 2005 : Improvement of a numerical snow drift model and field validation. *Snow and avalanches. Cold regions science and technology*, 43 (1-2), p 93-103.

Eck T.F., B.N. Holben, O. Dubovik, A. Smirnov, P. Goulloub, H. B. Chen, B. Chatenet, L. Gomes, X-Y. Zhang, S.-C. Tsay, Q. Ji, D. Giles and I. Slutsker, 2005 : Columnar aerosol optical properties at Aeronet sites in Central-eastern Asia and aerosol transport to the tropical mid Pacific. *Journal of geophysical research*, 110 (D6), D06202.1-D06202.18.

Eiff, O., F. Huteau and J. Tolu , 2005 : High Reynolds-number orographic wave-breaking experiments. *Dynamics of Atmospheres and Oceans*, 40, p 71-89.

Eymard, L., E. Obliqis, N. Tran, F. Karbou, A. Pilon, and M. Dedieu, 2005 : Long term stability of ERS2 and Topex microwave radiometer in-flight calibration. *IEEE Trans on Geoscience and Remote sensing*, vol. 43, no. 5, pp. 1144-1158.

Faure, D., G. Delrieu, P. Tabary, J. Parent Du Chatelet and M. Guimera, 2005 : Application of the hydrologic visibility concept to estimate rainfall measurement quality of two planned radars. *Atmospheric Research*, Vol 77, pp 232-246.

Fernandez, C., P. Raimbault, N. Garcia, P. Rimmelin and G. Caniaux, 2005 : An estimation of annual new production and carbon budgets in the northeast Atlantic Ocean during 2001. *J. Geophys. Res.*, 110, C07S13, doi :10.129/2004JC002616.

Fernandez, C., P. Raimbault, G. Caniaux, P. Rimmelin and N. Garcia, 2005 : Influence of mesoscale eddies on nitrate distribution during the Pomme program in the northeast Atlantic Ocean. *J. Marine Systems*, 55, 3-4, p 155-175.

Flin, F., J. B. Brzoska, D. Coeurjolly, R. A. Pieritz, B. Lesaffre, C. Coléou, P. Lamboley, O. Teytaud, G. Vignoles and J. F. Delesse, 2005 : Adaptive estimation of normals and surface area for discrete 3-D objects: application to snow binary data from X-ray tomography. *IEEE Transactions on Image Processing*, vol. 14, no. 5, p 585-596.

Gaonach, H., S. Lovejoy and D. Schertzer, 2005 : Scaling expansion-coalescence processes as dominant vesicle growth mechanisms for plinian pumice vesicles. *Bull. of Volcanology*, p 15.

Geleyn, J-F., P. Bénard and R. Fournier, 2005 : A general purpose extension of the Malkmus band-model average equivalent width for the case of the Voigt line-profile. *Q.J.R.M.S.*, 131 pp 2757-2768.

Gerard, L. and J-F. Geleyn, 2005 : Evolution of a sub-grid deep convection parametrization in a limited-area model with increasing resolution. *Quarterly Journal of the Royal Meteorological Society*, 131 (610), p 2293-2312.

Gerber, H., G. Frick, S. P. Malinowski, J.-L. Brenguier and F. Burnet, 2005 : Holes and Entrainment in Stratocumulus. *J. Atmos. Sci.*, Vol. 62, No. 2, pp. 443-459.

Giordani, H., G. Caniaux and L. Prieur, 2005 : A simplified 3D oceanic model assimilating geostrophic currents : application to the Pomme experiment. *J. Phys. Oceanogr.*, 35, 5, p 628-644.

Giordani, H., G. Caniaux, L. Prieur, A. Paci and S. Giraud, 2005 : A one year mesoscale simulation of the North-East Atlantic : mixed layer heat and mass budgets during the Pomme experiment. *J. Geophys. Res.*, 110, C07S08, doi :10.1029/2004JC002765.

Grimal, D., Chèze, I. et Drevet, C., 2005 : Impact des conditions météorologiques sur la fréquentation des répondeurs de Météo-France. *La Météorologie*, 50, p39-45.

Grimmond, C.S.B., J-A. Salmond, T-R. Oke, B. Offerle and A. Lemonsu, 2005 : Flux and turbulence measurements at a densely built-up site in Marseille : Heat, mass (water and carbon dioxide), and momentum. *Journal of geophysical research*, 109 (D24), D24101.1-D24101.19.

Guérémy, J.F., M. Déqué, A. Braun, J.P. Pielike, 2005 : Actual and potential skill of seasonal predictions using the CNRM contribution to Demeter : coupled versus uncoupled model. *Tellus*, 57A, p 308-319.

Guldberg, A., E. Kaas, M. Déqué, S. Yang and S. Vester Thorsen, 2005 : Reduction of systematic errors by empirical model correction : impact on seasonal prediction skill. *Tellus*, 57A, p 575-588.

Habets, F., V. Ducrocq, J. Noilhan, 2005 : Prévisions hydrologiques et échelles spatiales : l'exemple des modèles opérationnels de Météo-France. *Comptes rendus Geoscience*, 337 (1-2), p 181-192.

Han, K.S., A. Viau, Y.S. Kim and J.L. Roujean, 2005 : Statistical estimate of the hourly near-surface air humidity in eastern Canada in merging Noaa/AVHRR and Goes/Imager observations. *International Journal of Remote Sensing*, vol.26, no.21, p 4763-4784.

Jacq, V., P. Albert et R. Delorme, 2005 : Le mistral : quelques aspects des connaissances actuelles. *La Météorologie*, n°50, août 2005, p 30-38.

Jaubert, G., P. Bougeault, H. Berger, B. Chimani, C. Flamant, C. Haeberli, M. Lothon, M. Nuret, and S. Vogt, 2005 : Numerical simulation of meso-gamma scale features of föhn at the ground level in the Rhine valley. *Quarterly Journal Royal Meteorological Society*, Vol.131. pp 1339-1361.

Joiner, J. et P. Poli, 2005 : Note on the effect of horizontal gradients for nadir-viewing microwave and infrared sounders. *QJRMS*,131 (608), p 1783-1792, doi:10.1256/qj.04.125.

Karbou, F., 2005 : Two microwave land emissivity parameterizations suitable for AMSU observations. *IEEE Transactions on Geoscience and Remote Sensing*, Vol.43, n°8, pp.1788-1795.

Karbou, F. and C. Prigent, 2005 : Calculation of microwave land surface emissivity from satellite observations : validity of the specular approximation. *Geoscience and Remote Sensing Letters*. Vol.2, n°3, pp.311-314.

Karbou, F., C. Prigent, L. Eymard, and J. Pardo, 2005 : Microwave land emissivity calculations using AMSU-A and AMSU-B measurements. *IEEE Trans on Geoscience and Remote sensing*, vol. 43, no. 5, pp. 948-959.

Karbou, F. , F. Aires, C. Prigent and L. Eymard, 2005 : Potential of Advanced Microwave Sounding Unit-A (AMSU-A) and AMSU-B measurements for atmospheric temperature and humidity profiling over land. *Journal of geophysical research*, 110 (D7), D07109.1-D07109.16.

Leblanc, S.G., J.M. Chen, H. P. White, R. Latifovic, R. Lacaze and J.L. Roujean, 2005 : Canada-wide foliage clumping index mapping from multi-angular Polder measurements, *Canadian Journal of Remote Sensing*, vol.31, no.5, p 364-376.

Lévy, M., M. Gavart, L. Memery, G. Caniaux and A. Paci, 2005 : A 4D-mesoscale map of the spring bloom in the northeast Atlantic (Pomme experiment) : results of a prognostic model. *J. Geophys. Res.*, 110, C07S21, doi :10.129/2004JC002588.

L'hote, Y., P. Chevallier, A. Coudran, Y. Lejeune and P. Etchevers, 2005 : Relationship between precipitation phase and air temperature : comparison between the Bolivian Andes and the Swiss Alps : Glacier shrinkage in the Andes and consequences for water resources. *Hydrological sciences journal*, 50 (6), p 989-997.

Loustau, D., A. Bosc, A. Colin, M. Bakker, ..., M. Deque, E. Cloppet, ..., J. Delage, 2005 : Modelling the climate change effects on the potential production of French plains forests at the sub regional level. *Tree Physiology*, 25, p 813-823.

Maes, C., J. Picaut, and S. Belamari, 2005 : Importance of the salinity barrier layer for the buildup of El Niño. *Journal of Climate*, 18, p 104-118.

Maixandeu, A., D. Lefèvre, C. Fernandez, R. Sempéré, R. Fukuda-Sohrin, J. Ras, F. Van Wambeke, G. Caniaux, and B. Quéguiner, 2005 : Mesoscale and seasonal variability of community production and respiration in the northeast Atlantic Ocean. *Deep Sea Res., Part I*, 52, (9), p 1663-1676.

Massart, S., D. Cariolle and V.-H. Peuch, 2005 : Vers une meilleure représentation de la distribution et de la variabilité de l'ozone atmosphérique par l'assimilation des données satellitaires. *C. R. Géosciences*, doi:10.1016/j.crte.2005.08.001.

Mestayer, P., P. Durand P. Augustin, S. Bastin, J.-M. Bonnefond, B. Bénech, B. Campistron , A. Coppalle, H. Delbarre, B. Dousset, Ph. Drobinski , A. Druilhet , E. Fréjafon, S. Grimmond, D. Groleau, M. Irvine , C. Kergomard , S. Kermadi , J.-P. Lagouarde , A. Lemonsu , F. Lohou , N. Long , V. Masson, C. Moppert, J. Noilhan , B. Offerle, T. Oke , G. Pigeon , V. Puygrenier , S. Roberts, J.-M. Rosant , F. Saïd , J. Salmont , M. Talbaut and J. Voogt., 2005 : The urban boundary layer field experiment over Marseille UBL/CLU-Escompte : Experimental set-up and first results. *Bound. Layer Meteorol.*, 114, p 315-365.

Michou, M., P. Laville, D. Serça, A. Fotiadi, P. Bouchou et V.-H. Peuch, 2005 : Measured and modeled dry deposition velocities over the Escompte area. *Atmos. Res.*, 74 (1-4), p 89-116.

Moisselin, J.-M. et C. Canellas, 2005 : Longues séries d'insolation homogénéisées en France. *C.R. Géosciences*, 337, 729-734.

Nho-Kim, E.-Y., V.-H. Peuch and S. N. Oh, 2005 : Estimation of the global distribution of Black Carbon aerosols with Mocage, the CTM of Météo-France. *J. Korean Meteor. Soc.*, vol. 41 n°4, p 587-598.

Nuret, M., J.P. Lafore, V. Gouget and V. Ducrocq, 2005 : Mesoscale analysis and impact on simulation of IOP14 of the MAP experiment, *Q.J.R. Meteorol. Soc.*, 611, p 2769-2793.

Paci, A., G. Caniaux, M. Gavart, H. Giordani, M. Lévy, L. Prieur, and G. Reverdin, 2005 : A high resolution simulation of the ocean during the Pomme experiment. Part 1: Simulation results and comparison with observations. *J. Geophys. Res.*, 110 (C7), C07S09.1-C07S09.20.

Pailleux, J., J.-F. Geleyn et M. Tardy, 2005 : Les progrès récents de la prévision numérique à Météo-France. *La Météorologie*, 8e série, N° 48, février 2005, pp. 2-5.

Pascal, M., K. Laaidi, M. Ledrans, E. Baffert, C. Caserio, A. Le Tertre, J. Manach, S. Medina, J. Rudant, P. Empereur Bissonnet, 2005 : France heat health watch warning system. *American Journal of Public Health*, à paraître .

Pérarnaud, V., B. Seguin, E. Malezieux, M. Déqué, and D. Loustau, 2005 : Agrometeorological research and applications needed to prepare agriculture and forestry to 21st century climate change. *Climatic Change*, 70, p 319-340.

Peterson, T.C., Y. Boodhoo, V. Vent-Schmidt, P. Bessemoulin and N. Plummer, 2005 : WMO Commission for Climatology. *Bulletin of the American Meteorological Society*, p 110-111.

Planton, S., M. Déqué, H. Douville and B. Spagnoli, 2005 : Impact du réchauffement climatique sur le cycle hydrologique. *Comptes Rendus de Geoscience*, 337 (1-2), p 193-202.

Plu, M. and P. Arbogast, 2005 : A cyclogenesis evolving into two distinct scenarios and its implications for short-term ensemble forecasting. *Mon. Wea. Rev.*, 133, No. 7, p 2016-2029.

Puygrenier, V., F. Lohou, B. Campistron, F. Saïd, G. Pigeon, B. Bénech and D. Serça, 2005 : Investigation on the fine structure of sea-breeze during Escompte experiment. *Atmosphere Research*, 74, p 329-353.

Renaut, D., J. Siméon et J-P. Javelle, 2005 : La IV réunion annuelle de la Société météorologie européenne (EMS). *La Météorologie*, 48, p 48-55.

Ricard, D., 2005 : Modélisation à haute résolution des pluies intenses dans les Cévennes. Le système convectif des 13 et 14 octobre 1995. *La Météorologie*, 48, p 28-38.

Rivalland, V., J-C. Calvet, P. Berbigier, Y. Brunet, A. Granier, 2005 : Transpiration and CO₂ fluxes of a pine forest: modelling the undergrowth effect. *Annales Geophysicae*, Vol. 23, pp 291-304.

Rivière, G., 2005 : Prévisibilité des écoulements atmosphériques et océaniques aux latitudes tempérées. *La Météorologie*, 51, p 23-36.

Roca, R., J-P. Lafore, C. Piriou, and J.-L. Redelsperger, 2005 : Extra-tropical dry air intrusions into the West African Monsoon mid-troposphere: an important factor for the convective activity over Sahel. *Journal of Atmospheric Sciences*. 62, p 390–407.

Rousseau, D., 2005 : Analyse fine des surmortalités pendant la canicule 2003. *La Météorologie*, 51, p 16-22.

Sadiki, W. and C. Fischer, 2005 : A posteriori validation applied to the 3D-VAR Arpège and Aladin data assimilations system. *Tellus*, 57A, p 21-34.

Sandu, I., P. Tulet, J-L. Brenguier, 2005 : Parameterization of the cloud droplet single scattering albedo based on aerosol chemical composition for LES modelling of boundary layer clouds. *Geophys. Res. Lett.*, Vol. 32, No. 19, L1981410.1029/2005GL023994.

Santurette, P. and C.G. Georgiev, 2005 : *Weather Analysis and Forecasting, Applying Satellite to Water Vapour Imagery and Potential Vorticity Analysis*. Academic Press, 180 pp.

Schuller, L., R. Bennartz, J. Fischer and J-L. Brenguier, 2005 : An algorithm for the retrieval of Droplet number concentration and geometrical thickness of stratiform marine boundary layer clouds applied to MODIS radiometric observations. *Journal of applied meteorology*, 44 (1), p 28-38.

Somot, S., 2005 : Régionalisation des scénarios de changement climatique. *Environnement, Risques et Santé*, vol 4, n.2.

Strasser, U., P. Etchevers and C. De Jong, 2005 : Simulation of daily discharges for the upper Durance catchment (French Alps) using sub-grid parameterization for topography and a forest canopy climate model. *Mountain Hydrology. Hydrological processes*, 19 (12), p 2361-2373.

Tabary, P., L. Périer, J. Gagneux and J. Parent-du-Châtelet, 2005 : Test of a staggered PRT scheme for the French radar network. *J. Atmos. Oceanic Technol.*, Vol. 22, No. 4, 352–364.

Thibaudon, M. V. Roullot, C. Lachasse, J.C. Cohen et J.M. Veysseire, 2005 : Dispersion atmosphérique, concentrations polliniques et prévention des allergies. *Environnement, Risques et Santé*, Vol. 4, n°5, septembre-octobre 2005, p 341-350.

Thyssen, M., D. Lefèvre, G. Caniaux, J. Ras, L. Dugrais, C. Fernandez, and M. Denis, 2005 : Spatial distribution of heterotrophic bacteria in the North East Atlantic (Pomme study area) during Spring 2001. *J. Geophys. Res.*, 110, C07S16, doi :10.1029/2004JC002670.

Tourre, Y. , C. Cibot , L. Terray, W. White and B. Dewitte, 2005 : Quasi-decadal and inter-decadal climate fluctuations in the Pacific Ocean from a CGCM. *Geophysical research letters*, 32 (7), L07710.1-L07710.4.

Tulet, P., V. Crassier, F. Cousin, K. Shure and R. Rosset, 2005 : Orilam, a three moment lognormal aerosol scheme for mesoscale atmospheric model. On-line coupling into the MesoNH-C model and validation on the Escompte campaign. *J. Geophys. Res.*, Vol 110, D18201, doi:10.1029/2004JD005717.

Twohy, C. H., M. D. Petters, J. R. Snider, B. Stevens, W. Tahnk, M. Wetzel, L. Russell and F. Burnet, 2005 : Evaluation of the aerosol indirect effect in marine stratocumulus clouds: droplet number, size, liquid water path and radiative impact. *J. Geophys. Res.*, 110, D08203, doi:10.1029/2004JD005116.

Van-Baelen, J., J-P. Aubagnac and A. Dabas, 2005 : Comparison of near real-time estimates of integrated water vapor derived with GPS, radiosondes, and microwave radiometer. *Journal of Atmospheric and Oceanic Technology*, 22, p 201-210.

Voltaire, A. and J-F Royer, 2005 : Climate sensitivity to tropical land surface changes with coupled versus prescribed SSTs. *Climate Dynamics*, 24 (7-8), p 843-862.

Yano, J.I., JP. Chaboureaud, and F. Guichard, 2005 : A generalization of Cape into potential energy convertibility. *Quarterly Journal Royal Meteorological Society*, V.313, p 861-876.

Yano, J.-I., J.-P. Lafore, J.-L. Redelsperger, P. Bechtold and F. Guichard, 2005 : Mode decomposition method as a methodology for developing convective-scale representations in global models, *Quart. J. Roy. Meteor. Soc.*,131, p 2313-2336.

Zephoris, M., H. Holin, F. Lavie, N. Cenac, M. Cluzeau, O. Delas, F. Eideliman, J. Gagneux, A. Gander and C. Tibor, 2005 : Ceilometer observations of aerosol layer structure above the Petit Luberon during Escompte's IOP 2. *Atmospheric research*, 74 (1-4), p 581-595.