

# Monday, 28 November

## First Poster Session: AMMA Field Observations

#	Author	Title
<b>0.01</b>	Bourlès, B., G. Caniaux, Y. DuPenhoat, Y. Gouriou, A. Weill, D. Bourras, F. Marin, H. Giordani and A. Bentamy	The EGEE/AMMA experiment
<b>0.02</b>	Bourlès, B., Y. Gouriou, F. Marin, G. Eldin & Y. DuPenhoat	The EGEE 1&2 cruises in the Gulf of Guinea
<b>0.03</b>	Kouadio, G., N. Metzl, C. Brunet	Distribution des paramètres du CO <sub>2</sub> océanique dans le Golf de Guinée : Nouvelles observations d'hiver boréal (BIOZAIRE III et PIRATA-FR12)
<b>0.04</b>	Letourneur, S., D. Bourras, C. Guérin, D. Legain, G. Bouhours, G. Caniaux, A. Weill, L. Eymard and A. Dabas	A Coherent System for Measuring Turbulent Air-Sea Fluxes during AMMA/EGEE
<b>0.05</b>	DAGORNE, Dominique, Fabrice ROUBAUD, Mélanie JUZA, Bernard BOURLES	METEOROLOGICAL OBSERVATIONS
<b>0.06</b>	Bain, C., F. Guichard, L. Kergoat, D.J. Parker, C.M. Taylor, F. Baup, E. Mougouin et Y. Traore	The nocturnal boundary layer of the west African monsoon in observations and numerical weather prediction models
<b>0.07</b>	Basdevant C., Drobinski P., Verdier N., Cocquerez P.	INVESTIGATION OF THE WEST AFRICAN MONSOON FLOW USING CONSTANT VOLUME BALLOONS IN THE PLANETARY BOUNDARY LAYER
<b>0.08</b>	Brooks, B., Kalthoff, N., Parker, D.J.	A mesoscale sodar network for observing surface-forced atmospheric circulations in the west African monsoon
<b>0.09</b>	Brooks, B.J., M. Hobby, S.D. Mobbs, D.J. Parker, A.M. Blyth, M. Hill, and J.B. McQuaid	TETHERSONDE: A tethered sounding system for measuring boundary layer winds in 3 dimensions
<b>0.1</b>	Campistron, B., Saïd F., F. Traoré, D. Badiane, C. S. Sow, C. F. Kebe and S. Madougou	The 2005 March-June transition period from dry to humid season at Bamako (Mali) as observed with a UHF wind profiler radar
<b>0.11</b>	Gosset, Marielle, Frederic Cazenave, Olivier Lebrouster, Josias Dossugouin, Etienne HOUNGNINO	Water cycle measurements during the AMMA EOP on the mesoscale site of the Upper Oueme River, Benin
<b>0.12</b>	Petitdidier, M., B. Campistron, V. Klaus	VHF Wind profiler in tropical region for lower and upper atmospheric studies
<b>0.13</b>	Pospichal, Bernard, Susanne Crewell, Ulrich Löhnert, and Thomas Rose	Observation of boundary layer evolution in Djougou, Benin in 2006 using microwave radiometers
<b>0.14</b>	Slingo, Anthony	The RADAGAST project
<b>0.15</b>	Basu, Sunanda, Keith Groves, Santimay Basu, Tim Fuller-Rowell, David Anderson, Ian Mann, Christine Mazaudier, Monique Petit-Didier, Paul Villa, David Byers, Joe Davila, and Anthea Coster	Plans for the Augmentation of TEC/Scintillation and Magnetometer Measurements in Sub-Saharan Africa
<b>0.16</b>	Flamant, C., P. H. Flamant, J. Cuesta, D. Edouart, C. Loth, J. Pelon	Monitoring of the radiative budget, the aerosol optical/microphysical properties and the vertical distribution of aerosols in Saharan heat low region using the Transportable Remote Sensing Station (TReSS)

<b>0.17</b>	Formenti, P., B. Marticorena, K. Desboeufs, J. L. Rajot, B. Chatenet, C. Schmechtig, L. Menut, A. Gaudichet, D. Goossens, E. Journet, M. Sow, M. Maille, F. Fierli, F. Cairo, G. Didonfrancesco, S. Alfaro, S. Caquineau, G. Bergametti, F. Dulac, M. Manga, A. Diallo, S. Traoré, G. Cautenet	Mineral dust in Sahelian Africa: (II) observations during the AMMA field experiment
<b>0.18</b>	Kergoat, L., F Guichard, F Baup, C Bain, C Taylor, E Ceschia, Y Traore, D. Parker, F Lohou, V Le Dantec, D. Epron, C. Lloyd, F Timouk, P de Rosnay, F Lavenu and E Mougin	CO2 surface fluxes from tethered balloon profiles in the nocturnal boundary layer
<b>0.19</b>	Todd, Martin C., Richard Washington, Samuel Mbainayell, Vanderlei Martins, Sebastian Engelstaedter	Optical properties of dust from the Bodele depression, Chad, obtained during BodEx 2005
<b>0.2</b>	AKPO, Aristide	La Mousson Ouest Africaine et la variabilité de l'ozone troposphérique
<b>0.21</b>	Didonfrancesco, G., F. Cairo, F. Fierli	Microlidar network to monitor aerosols in the free troposphere during the AMMA SOP and EOP
<b>0.22</b>	Galy-Lacaux, C., C. Liousse and K. Pienaar	The IDAF program : IGAC1 / DEBITS2 / Africa (1International Global Atmospheric Chemistry; 2DEBITS Deposition of Biogeochemically Important Trace Species)
<b>0.23</b>	Highwood, Eleanor, William Morgan, Claire McConnell, Hugh Coe, Roy Harrison, Jim McQuaid	The DODO Project: Dust Outflow and Deposition to the Ocean
<b>0.24</b>	MPHEPYA, JONAS N., JACOBUS J. PIENAAR, CORINNE GALY-LACAUX, GERHARD HELD	An estimate of wet and dry deposition of nitrogen in semi-arid areas of southern Africa
<b>0.25</b>	Pienaar, J.J., C. Galy-Lacaux, L. Lara, R. Balasubramanian	THE DEBITS's ACTIVITY: PAST PRESENT AND FUTURE (Deposition of Biogeochemically Important Trace Species)
<b>0.26</b>	Sigha-Nkamdjou. L., C. Galy-Lacaux, V. Pont, S. Richard, D. Sighomnou and J. P. Lacaux	Rainwater chemistry and wet deposition over the equatorial forested ecosystem of Zoétéélé (Cameroon)
<b>0.27</b>	Thouret, V., A. Minga, A. Mariscal, B. Benech, B. Sauvage	First Ozone Soundings over Cotonou in the frame of AMMA
<b>0.28</b>	Parsons, D., J.-L. Redelsperger, Ph. Cocquerez, Ph. Dorbinski, H. Cole, Stéphanie Venel, N. Verdier	The Deployment of Driftsonde for an AMMA-THORPEX Collaboration
<b>0.29</b>	Douglas, Michael, and Javier Murillo	Strengthening the pilot balloon network over West Africa for AMMA
<b>0.3</b>	DIDE, Francis	LES PROBLÈMES RELATIFS À L'INTÉGRATION DES DONNÉES DE RADIOSONDAGE DE COTONOU AU SMT
<b>0.31</b>	Flamant, C., A. Dabas, O. Reitebuch, P. Drobinski and J. Pelon	Analysis of surface-atmosphere interactions in the vicinity of the inter-tropical front and around mesoscale cloud systems using a combination of airborne water vapor and wind lidars
<b>0.32</b>	McQuaid, J.B., Trembath, J. & Woolley, A	FAAM - Facility for Airborne Atmospheric Measurements
<b>0.33</b>	Jenkins, Gregory S., Everette Joseph, Amadou Gaye, Paul A. Kucera	US-Senegal measurements during SOP3 2006
<b>0.34</b>	Karbou, F., L. Eymard, S. Janicot and P. Terray	Potential use of AMSU A-B brightness temperatures for monitoring the monsoon variability

<b>0.35</b>	Boger, Rebecca A.	Scientists, Students and Teachers Partnering Through GLOBE and AMMA
<b>0.36</b>	Dembélé Fadiala, Karembé Moussa et Coulibaly Mahamadou	Etude de la production de biomasse et de la diversité floristique herbacée selon le gradient climatique dans les zones du Gourma et du Haoussa au Mali
<b>0.37</b>	Dembélé Fadiala, Karembé Moussa et Coulibaly Mahamadou	Production et diversité ligneuse selon le gradient climatique et la pression humaine dans la réserve de biosphère de la Boucle du Baoulé au Mali
<b>0.38</b>	Descroix, Luc, Bernard Cappelaere, Stéphane Boubkraoui, Guillaume Favreau, Yahaya Nazoumou, Ibrahim Bouzou, Nicolas Boulain, Manon Rabanit, Charlotte Bailleul, Abdoulaye Koné, Sylvain Massuel	Eau et végétation au Niger : l'implémentation du TT4
<b>0.39</b>	Sandholt, Inge, Rasmus Fensholt, Anette Nørgaard, Simon Stisen and Bo Dahlberg Jensen	Monitoring vegetation and climate at the Dahra test site in semi arid Senegal: In situ measurements of continuous time series of surface parameters
<b>0.4</b>	Willoughby, A. A., C. O. Akoshile, T. O. Aro, R. T. Pinker, E. G. Dutton, B. N. Holben, I. A. Adimula, O. A. Falaiye, T. B. Ajibola, and Y. T. Ma	Climatic Observation in the sub-Sahel
<b>0.41</b>	TRAORE, A., A. BEN MOHAMED, F. OUATTARA et A. DIALLO	Le Programme SAAGA d'Augmentation des Précipitations par Ensemencement des Nuages du Burkina Faso
<b>0.42</b>	L. Eymard, L. Fleury, M. Hoepffner, L. Mastrotillo	AMMA Database
<b>0.43</b>	Bernard Bourles, Robert L.Molinari et Peter Brandt	Oceanic campaigns and measurements from open Ocen

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### Second Poster Session: West African Monsoon and Global

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<b>1.01P</b>	Afiesimama, Ernest A., S. O. Ojo and A. C. Anufom	Performance of Regional Climate Model to different convective closure assumptions during the peak of the West African Monsoon
<b>1.02P</b>	Fulakeza, Matthew, Leonard Druyan and Patrick Lonergan	West African Monsoon variability in mesoscale data sets
<b>1.03P</b>	Lucie A.T. Djiotang et François Mkankam Kamga	Simulation du climat de l'Afrique centrale et de l'Ouest à l'aide d'une modèles climatique régional (RegCM3). Quelques résultats préliminaires sur les choix de la taille du domaine, du schéma convectif et de la topographie en vue d'améliorer les simulations des précipitations
<b>1.04P</b>	Moufouma-Okia, Wilfran, David Hassell	The effects of Regional orography on the West African Monsoon climate
<b>1.05P</b>	Moufouma-Okia, Wilfran, David Hassell, David Hein	Regional Climate Model simulation of the West African Monsoon precipitation during 1980-1990
<b>1.06P</b>	Sarr, A., P. De Felice, H. Sauvageot, and A.T. Gaye	Study of Synoptic Activity Simulated over Western Africa using MM5 model
<b>1.07P</b>	Sijikumar, S., Pascal Roucou and Bernard Fontaine	Studies on the Characteristics of West African Monsoon using a Mesoscale Model

<b>1.08P</b>	Sylla, Bamba, Amadou T. GAYE et Grégory S. JENKINS	High resolution, RegCM3 simulations of the West African Climate System
<b>1.09P</b>	Zampieri, M., A. Buzzi, F. Fierli and P. Malguzzi	Mesoscale simulations with BOLAM and MOLOCH models in the AMMA area: model description and preliminary results
<b>1.10P</b>	Aghedo, Adetutu M., Martin G. Schultz and Sebastian Rast	The influence of African air pollution on the regional and global tropospheric chemistry
<b>1.11P</b>	Alani, R.A., Olayinka, K. O, & Alo, B. I.	STUDIES ON POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN THE LAGOS LAGOON
<b>1.12P</b>	Bouo-Bella, F., S. Cautenet et G. Cautenet	Study of plumes mixing from biomass burning and dust haze over West Africa
<b>1.13P</b>	Cairo, F. F. Fierli, G. Didonfrancesco	An overview on cirrus properties in the tropical UT-LS from previous field campaign
<b>1.14P</b>	Mari, C., J.L. Attie, A. Borbon, J.P. Chaboureau, C. Delon, H. Hoeller, C. Jambert, B. Josse, K. Law, P. Mascart, P. Perros, V.H. Peuch, J.P. Pinty, C. Reeves, D. Serça, H. Schlager, V. Thouret.	West African Monsoon convective systems and ozone budget in the upper troposphere: from local to global scale
<b>1.15P</b>	Sauvage, B, V. Thouret, J-P. Cammas, A.M. Thompson, J. Witte, G. Athier and P. Nédélec	Ozone and Carbon Monoxide over West Africa as seen by the MOZAIC Program
<b>1.16P</b>	Yoboué, V, C. Galy-Lacaux, J.P. Lacaux, and S. Silué	Rainwater Chemistry and Wet Deposition over the Wet Savanna Ecosystem of Lamto (Côte d'Ivoire)
<b>1.17P</b>	Chin, Mian	Regional and global impacts of aerosols from Africa: From health to climate
<b>1.18P</b>	Konare, Abdourahamane, Fabien Solmon, Filippo Giorgi, Cathy Lioussé, Robert Rosset	RegCM simulation of anthropogenic aerosols over Sub-Sahara Africa
<b>1.19P</b>	Niang, A., F. Badran, C. Moulin, M. Crepon and S. Thiria1	Estimating Aerosol parameters from SeaWiFS ocean colour sensor observations by using topological maps
<b>1.20P</b>	Pinker, R. T., B. Zhang, and H. Liu	Effects of African dust on radiative forcing over the African Continent and the Atlantic Ocean
<b>1.21P</b>	SEIDOU SANDA, Ibrah, Fabien SOLMON, Filippo GIORGI	Sensitivity of the RegCM to the Optical Properties of Dusts
<b>1.22P</b>	Washington, Richard, Martin C. Todd, Sebastian Engelstaedter, Samuel Mbainayel, Fiona Mitchell	Dust and the Low Level Circulation over the Bodélé Depression, Chad: Observations from BoDEX 2005
<b>1.23P</b>	Abiodun, B. J. and Z. D. Adeyewa	Role of African Easterly Wave in the Initiation and Propagation of West African Mesoscale Convective Weather Systems
<b>1.24P</b>	Burton, R.R., A. Diongue-Niang, M. Diop, R.J. Ellis, D.J. Parker*, C.D. Thorncroft, C.M. Taylor, A.M. Tompkins	The JET2000 experiment
<b>1.25P</b>	Camara, Moctar, Arona Diédhiou, Amadou T. Gaye	AFRICAN EASTERLY WAVES AND CYLONIC ACTIVITY OVER THE EASTERN ATLANTIC: COMPOSITE AND CASE STUDIES
<b>1.26P</b>	Chauvin, Fabrice	African easterly waves in low and high resolution IPCC scenarios
<b>1.27P</b>	Cornforth, Rosalind, Brian Hoskins and Chris Thorncroft	African Easterly Waves-Easterly Jet System: Moist Physics
<b>1.28P</b>	Cornforth, Rosalind, Brian Hoskins and Chris Thorncroft	African Easterly Waves-Easterly Jet System: Impact of the Hadley circulation
<b>1.29P</b>	Hall, N.M.J., G.N. Kiladis and C.T. Thorncroft	A New Perspective on African Easterly Waves, Part II: Dynamics

<b>1.30P</b>	Kamaye, Maâzou	ANALYSE SPECTRALE SINGULIERE MULTI-CANAL ET CARACTERISATION DES ONDES D'EST
<b>1.31P</b>	Lenouo, Andre	On static stability over tropical Africa north of the Equator
<b>1.32P</b>	Mekonnen, Ademe, Chris Thorncroft, Anantha Aiyyer	Analysis of convection and its association with African easterly waves
<b>1.33P</b>	Monkam, David	Influence of the 6 – 9-Day Wave Activity on the Spatial Distribution of Monsoon Rainfall in Northern Africa : Intra-seasonal and Inter-annual Variability
<b>1.34P</b>	Mounier, Flore, George N. Kiladis(2) and Serge Janicot	West African monsoon dynamics. Evidence of convectively coupled Kelvin waves
<b>1.35P</b>	Mounier, Flore, Serge Janicot and George N. Kiladis	Dominant convectively coupled 15 days periodicity Kelvin waves mode and its influence during the West African monsoon onset
<b>1.36P</b>	Rao, P. Sanjeeva, and D.R. Sikka	Interactive Aspects of the Indian and African Summer Monsoon Systems
<b>1.37P</b>	Adamou, Garba, El Mahaman Issa Salifou, Itoua E. Nazaire, Diedhiou Arona, Gaye Amadou Thierno, et G. Jenkins	UTILISATION DES DONNEES MSG DANS DES ETUDES DE CAS DE PERTURBATIONS( POUSSIERE,ORAGE ET LIGNE DE GRAINS) OBSERVEES A NIAMEY EN 2004
<b>1.38P</b>	Fink, Andreas H., M. Christoph, Volker Ermert, and Dayton Vincent	Statistics of rainfall types and associated stability-shear weather regimes in the Soudanian wet zone (Upper Ouémé Valley, Benin) during the 2002 IMPETUS upper-air campaign
<b>1.39P</b>	HAMZA Ibrahima	HEURE DU DECLENCHEMENT ET DUREE DE VIE D'UN EVENEMENT CHASSE SABLE AU
<b>1.40P</b>	Roca, Remy, Helene Brogniez and Laurence Picon	Vairability of dry air in the mid-troposphere over the last 20 years: Satellite and trajectory climatologies
<b>1.41P</b>	Sall, Saïdou Moustapha et Henri Sauvageot	Recherches sur les facteurs influençant la cyclogénèse Atlantique à proximité des côtes africaines
<b>1.42P</b>	Schrage, Jon M., Andreas H. Fink, Volker Ermert, and Epiphane D. Ahlonsou	Three MCS cases occurring in different synoptic environments in the Soudanian wet zone (Upper Ouémé Valley, Benin) during the 2002 IMPETUS upper-air campaign
<b>1.43P</b>	TOMASINI, M., J-P. LAFORE, C. PIRIOU, R. ROCA, K. RAMAGE	A Climatology of West African Mesoscale Convective Systems (MCSs)
<b>1.44P</b>	Caminade, C., and L. Terray	Relative impact of natural (SST) versus anthropogenic external forcing upon the West African Monsoon during the 20th century
<b>1.45P</b>	Douville, Hervé, Aurore Voldoire and Mathieu Joly	Impact of global warming on the West African Monsoon : preliminary assessment of the IPCC4 climate scenarios
<b>1.46P</b>	Haarsma, Reindert, Frank Selten, Nanne Weber and Michael Kliphuis	Sahel rainfall variability and response to greenhouse warming
<b>1.47P</b>	Joly, Mathieu, Aurore Voldoire and Hervé Douville	African monsoon in IPCC simulations : modes of variability and climate change

<b>1.48P</b>	Nguenang, Guy Merlin, et François Mkankam Kamga	Etude des occurrences des extrêmes des précipitations journalières dans la région de l'Afrique Centrale, de leur tendance et de leur variabilité sous le climat présent ou perturbé, à l'aide des données d'observations et des simulations d'un modèle global à mailles variables (Arpège-climat)
<b>1.49P</b>	Paeth, Heiko	Overview on the modelling studies in the German GLOWA-IMPETUS project, which deals with freshwater management in different regions of West Africa
<b>1.50P</b>	Sarr, A., and A. Noda	Study of late 20th and 21st Centuries High resolution GCM simulation over Western Africa
<b>1.51P</b>	Abdulrasheed, Zakariya'u D.	EXAMINING INTERANNUAL RAINFALL VARIABILITY OVER THE SUDAN-SAHEL: A NEW PERSPECTIVE
<b>1.52P</b>	Adjoussi, Pessiézoum and Adoté Blivi	Dynamique et tendances climatiques futures dans golfe du Bénin à travers l'exemple de quelques stations côtières
<b>1.53P</b>	BARRY Alpha Boubacar	Impacts de l'Oscillation Nord Atlantique (NAO) sur la variabilité climatique en Afrique de l'Ouest: cas particulier de la Guinée
<b>1.54P</b>	Bell, Michael A., and Peter J. Lamb	Integration of Weather System Variability to Multidecadal Regional Climate Change: West African Soudano-Sahel Zone, 1951-98.
<b>1.55P</b>	Collins, Dan C., Carlos D. Hoyos and Peter J. Webster	Interaction of African monsoon and the large-scale atmospheric circulation and oceans on intraseasonal to multidecadal timescales
<b>1.56P</b>	DIAGNE B., SAGNA P. et SENE A	ANALYSE DE L'EVOLUTION CLIMATIQUE ACTUELLE AU SENEGAL
<b>1.57P</b>	Djiman, Roger	Influences of Climatic Variability on Coastal Oceanography of Benin
<b>1.58P</b>	Fall, Souleymane	The Mean Conditions and Variability of the Climate over Senegal During the Recent Decades
<b>1.59P</b>	FOFANA Mamadou, ATTI Abé Vincent, AKADJE Marie	VARIABILITE ET TENDANCE CLIMATIQUES EN COTE D'IVOIRE: CAS DE LA STATION DE LAMTO
<b>1.60P</b>	Kouadio, Yves K., Delfin. A. Ochou, P. Assamoi	Relation entre le réchauffement océanique et les événements pluvieux extrêmes en Afrique de l'Ouest durant la période de Juillet à Septembre
<b>1.61P</b>	Lélé, Mouhamadou Issa, and Peter J. Lamb	Influence of Intertropical Front on Rainfall Variability in West Africa Sahelian countries
<b>1.62P</b>	Liepert, Beate G.	Need for long-term broadband surface irradiance measurements in West-Africa
<b>1.63P</b>	Segele, Zewdu Tessema, and Peter J. Lamb	Characterization and Variability of Kiremt Rainy Season over Ethiopia
<b>1.64P</b>	Tarhule, Aondover, and BOUZOU MOUSSA Ibrahim	Towards High-Resolution Tree-Ring Proxy Climate Records for the West African Sahel Savanna Zone
<b>1.65P</b>	Bella-Medjo, M., S. Janicot and B. Sultan	ANALYSIS OF THE SEASONAL CYCLE OF THE AFRICAN MONSOON. REGIONAL APPLICATIONS ON CAMEROON
<b>1.66P</b>	Dalu G.A., M. Gaetani, V. Capecchi, M. Baldi, and F. Guarnieri	THE HYDROLOGICAL ONSET AND WITHDRAWAL INDEX FOR THE WEST AFRICA MONSOON
<b>1.67P</b>	EDJAME, Kodjovi Sidéra	Le phénomène de mousson dans le golfe de Guinée entre le Togo et le Bénin

<b>1.68P</b>	GOULA, Bi Tié Albert, Issiaka SAVANE, Vamoryba FADIKA, Yves N'Guettia, Koffi KOUADIO	Etude de la variabilité spatio-temporelle des pluies moyennes mensuelles de la région sud-ouest de la Côte d'Ivoire
<b>1.69P</b>	GOULA, Bi Tié Albert, Théophile LASME, Issiaka SAVANE, Yves N'Guettia, Vamoryba FADIKA1, Koffi KOUADIO, Bernard SRHOUROU	Variabilité spatio-temporelle des pluies mensuelles du Sud-Ouest de la Côte d'Ivoire et évolution du Front Inter Tropical (FIT)
<b>1.70P</b>	Kafando, Pétronille, Chane-ming Fabrice, and Petitdidier Monique	Seasonal and interannual Variations of gravity waves in equatorial Africa
<b>1.71P</b>	Knippertz, Peter, Andreas H. Fink	An extreme Saharan dust outbreak in spring 2004 and its impact on the onset of the West African monsoon
<b>1.72P</b>	Ndong, J.B. et P. Sagna	Deficit Pluviométrique Record au Senegal en 2002
<b>1.73P</b>	PEYRILLE, P. J.-P. LAFORE and J.-L. REDELSPERGER	An Idealized Study of the West African Monsoon
<b>1.74P</b>	Sultan B., Drobinski P. and S. Janicot	Characterization of the monsoon circulation diurnal cycle around the monsoon onset
<b>1.75P</b>	Zhang, Chidong, and Phoebe Woodworth	Low-Level Circulations Associated with the West African Monsoon
<b>1.76P</b>	Guichard, F. F. Favot, F. Hourdin, I. Musat, J.-F. Gueremy, P. Marquet, P. Ruti	Signature of large-scale models along a meridian transect over West Africa
<b>1.77P</b>	HAMATAN, Mohamed	Validation des sorties pluviométriques des modèles de circulation générale (GCMs) au Sahel, aux échelles mensuelle et journalière
<b>1.78P</b>	Hourdin, Federic, Ioncla Musat, Marie-Angele Filiberti, Jean-Yves Grandpeix, and Mai Pham	Sensitivity of the atmospheric transport and monsoon rainfall to the parametrization of cumulus convection in the LMDZ4 climate model
<b>1.79P</b>	Losada, T., J. García, B. Rodríguez-Fonseca, H.-Y. Ma, C. R. Mechoso	Model characterization of WAM mean seasonal cycle
<b>1.80P</b>	Rodriguez-Fonseca, Belen, T. Losada, J. Garcia, I.Polo, C. R. Mechoso	Simulations of the 2000 and 2003 African Monsoon Seasons with the UCLA AGCM

## Wednesday, 30 November

### Third Poster Session: Water Cycle and Surface-Atmosphere Feedbacks

#### Water Cycle

#	Author	Title
<b>2.01P</b>	Berges, J.C., and F. Chopin	Computation of convective kernels growing rate
<b>2.02P</b>	Bouchard, A., C. Revillet, Y. Lemaître, A. Protat, N. Viltard	Large-scale moisture budget of the African Monsoon based on spaceborne and ground-based observations
<b>2.03P</b>	DIATTA, Samo, Nicolas VILTARD, Amadou Thierno GAYE	Vertical profiles of space-based rain estimates in West Africa using TRMM precipitation radar data
<b>2.04P</b>	Fierli, F.	Water vapor meridional transport in the Sahelian region
<b>2.05P</b>	Grandpeix, Jean-Yves	Water budget of the monsoon layer in LMDZ simulations: role of convective entrainment and of surface evaporation
<b>2.06P</b>	Grimes, D.I.F.	Validation of the TAMSAT algorithm for satellite-derived rainfall estimates in west Africa

<b>2.07P</b>	KEBE Cheikh Mouhamed Fadel (1), H. Sauvageot (2) et A. Nzeukou	Relation entre les intégrales spatio-temporelles de la couverture nuageuse et la pluie au sol à la transition entre un climat aride et un climat équatorial- Implications pour la mesure des précipitations depuis l'espace
<b>2.08P</b>	Onibon, Hubert, Alfonso Gutiérrez-López	Comparative hydrological drought-flood risk modeling at West African Sahel Region and Northern Mexico
<b>2.09P</b>	Sané, Tidiane, et Mbaye Diop	La variabilité pluviométrique et la dégradation de la saison pluvieuse au Sénégal
<b>2.10P</b>	Schrage, Jon M., Stephen Augustyn, and Andreas H. Fink	Nocturnal Low-level Stratiform Clouds during the West African Summer Monsoon
<b>2.11P</b>	Viltard, N, F. Chopin, A. Lô	Rain retrieval over Continental Africa from Spaceborne Passive Microwave Instruments
<b>2.12P</b>	Vischel Théo, Lebel Thierry , Messenger Christophe, Amani Abou	Scale issues in assessing the water balance of a regional-size Sahelian catchment
<b>2.13P</b>	Dudek, J., H. Laurent, C. Depraetere, M. Gosset	Precipitation in North Benin: comparison between ground-based rain event classification and cloud systems tracked from satellite data
<b>2.14P</b>	Giraud, V., F. Bouo-Bella, and S. Cautenet	Study of convective activity associated with stratocumulus covers during wet season over West Africa
<b>2.15P</b>	Gosset, Marielle, Frederic Cazenave, Olivier Lebrouster, Josias Dossugouin, Etienne HOUNGNINOU	Xport in Djougou: First measurements of African precipitations with an Xband polarimetric radar
<b>2.16P</b>	Le Lay, M., I. Zin, S. Galle, G.M. Saulnier, C. Peugeot, L. Séguis, I. Braud	Hydrological behaviour of the Donga catchment: testing some modelling assumptions
<b>2.17P</b>	Nzeukou A., Fioko L., Sauvageot H. and Gaye A.	Modélisation par la méthode du « Scaling law » des distributions de gouttes de pluie sur la région côtière de Debuncha au Cameroun
<b>2.18P</b>	Peugeot C., Depraetere C., Le Barbé L., Séguis L., Galle S., Afouda S., Arjounin M., Boubkraoui S., Bouchez J-M., Jacquin F., Malinur F., Ouani T., Thévenot N., Zannou A.	Water cycle measurements during the AMMA EOP on the mesoscale site of the Upper Ouémé River, Bénin
<b>2.19P</b>	TOSSA, Aurélien A. Y.	Etude synoptique des réseaux hydro-climatiques d'observations systématiques du Bénin
<b>2.20P</b>	Akoshile, C. O., A. A. Willoughby, I. A. Adimula, T. B. Ajibola, O. A. Falaiye, E. B. Babatunde, T. O.Aro	Seasonal Variation of Relative Humidity at Ilorin, Nigeria
<b>2.21P</b>	Bousquet, Sandie, Jacques Gignoux, Alain Perrier	Rôle des arbres à enracinement profond dans les écosystèmes semi-arides sahéliens
<b>2.22P</b>	DIALLO, Drissa	Ruissellement en milieu cuirassé et gestion des eaux et des sols en zone soudanienne d'Afrique occidentale
<b>2.23P</b>	Galle S., Thévenot N., Laurent, J-P., Séguis L., Peugeot C., Afouda S., Ouani T.	Bilan hydrique stationnel sur le bassin versant de la Donga (Bénin). Premiers résultats sur les Stations de Jachere et de Foret Claire
<b>2.24P</b>	Kallel, Abdelaziz, Mehrez Zribi, Sylvie Le Hégarat-Masclé, Sylvain Massuel, Luc Descroix	Characterization of pool evolution in Niamey degree (Niger) based on high resolution optical remote sensing data

<b>2.25P</b>	Kamagaté, B., L. Séguis, G. Favreau and J. L. Seidel	Origins of the flows in a tropical bedrock basin in Benin (Donga, upstream of Oueme river)
<b>2.26P</b>	KOUNOUHEWA, Basile	Proposition d'un estimateur de l'hygrométrie dans la troposphère et la stratosphère au-dessus de Cotonou
<b>2.27P</b>	Laurent, Jean-Paul, Luc Descroix, Stéphane Boubkraoui, Hamissou Alassane	Stratégies de suivi des transferts d'eau dans les sols mises en œuvre sur le site de méso-échelle de Niamey
<b>2.28P</b>	Robain, Henri, Maxime Wubda, Sylvie Galle, Luc Séguis et Christophe Peugeot	Etude du Site de Djougou (Bénin) par tomographie de résistivité électrique: importance de la variabilité spatiale des couvertures d'altération pour la connaissance du fonctionnement hydrique souterrain
<b>2.29P</b>	Séguis L., Galle S., Peugeot C., Robain H., Afouda S., Arjounin M., Boubkraoui S., Bouchez J-M., Jacquin F., Malinur F., Ouani T., Thévenot N., Wubda M.	Water redistribution over two catena of the Donga watershed (Benin) during the rainy season. Impact on the discharge outlet
<b>2.30P</b>	VISSIN, Expédit Wilfrid, Pierre CAMBERLIN	Impact de la péjoration pluviométrique sur les ressources en eau du bassin de la Sota (Bénin Afrique de l'ouest)

## Surface-Atmosphere Feedbacks

#	Author	Title
<b>3.01P</b>	André, Cyrille, Mehrez Zribi, Catherine Otlé	Land cover cartography over the Niger AMMA site from the eighties to nowadays using SPOT time series images
<b>3.02P</b>	Bailleul, Charlotte, Luc Descroix, Thierry Lebel, Arona Diedhiou, Bernard Cappelaere, Bruno Gérard, Seydou Traoré, Jean Paul Laurent, Julien Morel, Jacques Gignoux, Nicolas Boulain, Manon Rabanit, Sandie Bousquet, Stéphane Boubkraoui, Hamissou Alassane, Abdoulaye Koné	Feed back surface/atmosphère : et l'échelle locale?
<b>3.03P</b>	Berges, J.C., and C. Mering	Connected filters applied to data fusion
<b>3.04P</b>	Boulain, N., M.Rabanit, L.Descroix, B.Cappelaere	Vegetation, Hydrology and Atmosphere interactions; measuring vegetation parameters and fluxes in a Sahelian catchment over the 2005 season
<b>3.05P</b>	Delon Claire, Serça Dominique, Dupont Richard, De Rosnay Patricia, Timouk Franck, Mougine Eric	NO emission from soil in tropical conditions
<b>3.06P</b>	Damesin, Claire, Jon Bennie, Lina Mercado, Josiane Seghieri	Fonctionnement de quelques espèces du couvert végétal du site de mesures intensives d'Agoufou, Gourma, Mali
<b>3.07P</b>	de Rosnay, Patricia, Frederic Baup, Frank Timouk, Cindy Couderc, Valérie Le Dantec, Laurent Kergoat, François Lavenu, Eric Mougine	Soil moisture monitoring in the Gourma meso scale site: from local station network to remote sensing approaches
<b>3.08P</b>	Fensholt, Rasmus, Inge Sandholt, Simon Stisen and Anette Nørgaard	Improved land surface modelling using Earth Observation data from the geostationary Meteosat Second Generation (MSG)

<b>3.09P</b>	GARBA, Zibo, Amadou SOUMAILA & Barma MALAM KIARI	Identification et quantification des aérosols incorporés dans des sols ferrugineux tropicaux développés sur le Continental terminal des environs de Boubon ((13°37' N et 1°56'E, Zone sahélienne du Niger) : impact sur la fertilité et l'érosion de sols en jachères
<b>3.10P</b>	Intsiful, J., H. Kunstmann, P. Vlek, B. Diekrüger, F. Allotey	An inverse-SVAT modeling technique for upscaling land surface parameters
<b>3.11P</b>	Jarlan L., Tourre Y., Mougin E., Philippon N., Mazzega P., Mangiarotti S.	Principaux motifs de variabilité de l'indice de végétation NDVI et des produits LAI issus des longues séries temporelles acquises par les capteurs AVHRR sur le Sahel (1982-2003)
<b>3.12P</b>	Le Dantec, Valérie, Claire Damesin, Daniel Epron, Josiane Seghier, Jon Bennie, Lina Mercado, Claire Delon, Richard Dupont, Dominique Serça, Colin Lloyd, Laurent Kergoat, Eric Mougin	Présentation des mesures d'échanges gazeux de la feuille au couvert dans un écosystème sahélien (Mali)
<b>3.13P</b>	Leclercq, Isabelle Pocard and Yongkang Xue	EVALUATION OF THE WEST AFRICAN WATER AND ENERGY BALANCES BASED ON THE SSIB VEGETATION MODEL (1982-1990)
<b>3.14P</b>	Lloyd, Colin R., Phil P. Harris, Nicolas Boulain, Jean-Martial Cohard, Andreas Fink, Sylvie Galle, Dominique Serça and Franck Timouk	The AMMA Surface Flux network: Measurements, preliminary data and modelling
<b>3.15P</b>	Mangiarotti S., Jarlan L., Mougin E., Mazzega P., et Hiernaux P	Assimilation des données NDVI-VGT/SPOT dans un modèle de surface simple visant au suivi de la végétation et de la dynamique des flux d'eau sur la région du Gourma (Mali)
<b>3.16P</b>	Mangiarotti S., Mazzega P., Mougin E., Jarlan L. et Hiernaux P	Prédictibilité du cycle de la végétation en Afrique de l'ouest à partir des données NDVI : analyse des invariants en fonction des échelles spatiales
<b>3.17P</b>	Nørgaard, Anette, Simon Stisen, Inge Sandholt and Rasmus Fensholt	Regionalisation of SVAT modeling in the Senegal River basin using remotely sensed data and insitu measurements
<b>3.18P</b>	Odunuga, Shakirudeen, Lekan Oyebande	Implication of Urban Landuse on Hydrological Fluxes in an Urban System
<b>3.19P</b>	Picart, Stéphane Saux, Mehrez Zribi, Catherine Otlé, Alain Perrier	Land surface temperature diurnal cycles analysis over Niger in relation with surface and atmospheric characteristics
<b>3.20P</b>	Stisen, Simon, Anette Nørgaard, Rasmus Fensholt and Inge Sandholt	Spatially distributed hydrological modeling of the Senegal River basin using satellite data
<b>3.21P</b>	Zribi, Mehrez, Stéphane Saux-Picart, Catherine Otlé, Luc Descroix	Mapping surface soil moisture over Kori Diantandou site (Niger) with ASAR/ENVISAT radar data
<b>3.22P</b>	Cerlini, Paolina Bongioannini	Convective variability using a three-dimensional cloud-ensemble model in radiative-convective equilibrium
<b>3.23P</b>	Chiapello, Isabelle, Cyril Moulin, and Joseph M. Prospero	Understanding the long-term variability of African dust as recorded in surface concentrations and large-scale satellite observations

<b>3.24P</b>	Flamant, C., and O. Bock	Analysis of surface-atmosphere-ocean interactions during six West African Monsoon seasonal cycles between 2000 and 2005 using satellite observations and ECMWF analyses
<b>3.25P</b>	Grini, Alf, Pierre Tulet, Laurent Gomes	Dust effect on convective events in the West African Monsoon region
<b>3.26P</b>	Heidt, S., N. Kalthoff, G. Schädler, M. Kohler and Ch. Kottmeier	Modelling of Convective Systems in the Burkina Faso/Ghana Area with the Regional Model LM
<b>3.27P</b>	Lamb, Peter J., and M. Issa Lele	Background Climatology for the ARM Mobile Facility Deployment in Niamey: Mean Annual Cycle and 2004-2005 Interannual Variability
<b>3.28P</b>	Mafany, G.T., Ernst, G.G.J., Sparks,R.S.J., Suh, C.E., Fantong, W.Y., Ayonghe, S.N.	Lightning associated with the 1999 eruption of Mount Cameroon Volcano
<b>3.29P</b>	Menut L., G.Foret and G.Bergametti	Impact of mineral dust size resolved bin schemes on simulated mineral dust concentrations accuracy over the western Africa
<b>3.30P</b>	Aman, Angora, Gérard Eldin, Bernard Bourles et Yves Kouadio	Dynamique spatio-temporelle de l'upwelling ivoiro-ghanéen
<b>3.31P</b>	Ayina, Ludos-Hervé, A. Bentamy and A. M. Mestas-Nuñez	The Impact of Satellite Winds and Latent Heat Fluxes in a Numerical Simulation of the Tropical Ocean during 1996-1998
<b>3.32P</b>	Bentamy, A., L-H. Ayina, K. B. Katsaros, R. T. Pinker, A. M. Mestas-Nuñez	Improved Estimates of Net Air-Sea Fluxes over the Tropical Atlantic Ocean
<b>3.33P</b>	Bourras, Denis, and Guy Caniaux	Turbulent Air-Sea Fluxes from Satellites and Models in the Equatorial Atlantic
<b>3.34P</b>	DAGORNE, Dominique, Nicolas KOLODZIEJCZYK, Bernard BOURLES	SEA SURFACE TEMPERATURE VALIDATION IN THE GUINEA GOLF
<b>3.35P</b>	Giordani, H., G. Caniaux, F.Marin, Y. DuPenhoat, B. Bourlès, P. Marchesiello, D. Bourras and A.M. Tréguier	Ocean-Atmosphere Modelling Strategy during EGEE-AMMA
<b>3.36P</b>	Peter, Anne-Charlotte, Matthieu Le Henaff, Yves du Penhoat, Christophe E. Menkes, Frederic Marin, Jerome Vialard, Guy Caniaux, Alban Lazar	A model study of the seasonal mixed layer heat budget in the equatorial Atlantic
<b>3.37P</b>	ROUAULT, Mathieu	Near real time remote sensing in the Tropical Atlantic

## Thursday, 1 December

### Fourth Poster Session: High Impact Weather Prediction and Predictability, Prediction of Climate Impacts, and West African Monsoon and Climate

#### High Impact Weather Prediction and Predictability

#	Author	Title
<b>4.01P</b>	Berry, Gareth, Chris Thorncroft and Tim Hewson	African Easterly Wave lifecycles and diagnostics
<b>4.02P</b>	Chaboureau, J.-P., C. Mari, and the LA support team	Evaluation of the Meso-NH forecast system during the 2005 AMMA Dry Run
<b>4.03P</b>	CHABOUREAU, Jean-Pierre, Stéphanie EVAN and Frank ROUX	Numerical Simulation of the 15-17 August 2004 West-African Mesoscale Convective System

<b>4.04P</b>	Chapelet, P., N. Asencio, M. Nuret and J-P Lafore	A first evaluation of models involved in the AMMA Dry-run forecasting exercise in Summer 05 Monsoon
<b>4.05P</b>	Correia S., B. Sultan and S. Janicot	Short-lead predictions of intraseasonal oscillations of the convective activity in West Africa
<b>4.06P</b>	EL MAJDOUB, Ali	Contribution de l'ACMAD au Renforcement des Capacités
<b>4.07P</b>	Fall, S., D. Niyogi, F. Semazzi, U.C. Mohanty	Application of a numerical weather forecast model for simulating heavy off-season rains and cold temperatures and hazard mitigation planning in Senegal
<b>4.08P</b>	Guarnieri, Francesca, Massimiliano Pasqui, Lorenzo Genesio and Patrizio Vignaroli	Statistical downscaling for GFS precipitation forecast over Sahel region based on Meteosat Second Generation rainfall estimates
<b>4.09P</b>	Jenkins, Gregory S., and Sen Chiao	Evaluation of real-time forecasts during the African Monsoon Multidisciplinary Analysis DRY Runs
<b>4.10P</b>	Knippertz, Peter, and Jonathan E. Martin	Extreme precipitation and tropical plumes in West Africa
<b>4.11P</b>	Mbengue, Abou Aziz, Aïda Diongue Niang, Chris Thorncroft	Variabilité et Prédicibilité de la mousson de l'Afrique de l'Ouest
<b>4.12P</b>	Orji, B.N., and S.O. Gbuyiro	On the Behaviour of Some Upper Air Parameters in Relation to West African Line Squalls (Thunderstorms)
<b>4.13P</b>	Parsons, D., J.-L. Redelsperger, Ph. Cocquerez, Ph. Dorbinski, H. Cole, Stéphanie Venel, N. Verdier	The Deployment of Driftsonde for an AMMA-THORPEX Collaboration
<b>4.14P</b>	Saley Bana Zakari, Tarhule A. Aondover, Lamb J. Peter	RainWatch: A Geographic Information System for monitoring and visualizing daily rainfall variability in Niger

## Prediction of Climate Impacts

#	Author	Title
<b>5.01P</b>	Christoph, Michael, and Andreas H. Fink	The IMPETUS Digital Atlas on the AMMA mesoscale Upper Ouémé site
<b>5.02P</b>	Diop, Mbaye	Sécheresse au Sahel et stratégies d'adaptation des cultures : les leçons du passé
<b>5.03P</b>	Intsiful, J., F. Allotey, J. Pal, C. Onime, and W. Moufouma-Okia	Harnessing Human Resources for Climate Research in West Africa
<b>5.04P</b>	Ndiaye, Aminata	La Variabilité Pluviométrique et ses Conséquences environnementales dans le Sahel rural Sénégalais
<b>5.05P</b>	Mahé G., Rescan M., Dezetter A., Ardoin S., Dieulin C.	Water resources prediction in West and Central Africa for the 21st century
<b>5.06P</b>	Kangah, Pauline Dibi	Rainfall and Agriculture in Central West Africa since 1930
<b>5.07P</b>	Challinor, Andrew	Simulating the impacts of climate variability and change on tropical crop yields
<b>5.08P</b>	Muyiolu Salimon Kolawole	Impacts of heat stress during the pre-rainy season and its health implications in Nigeria
<b>5.09P</b>	Bomblies, Arne	Hydrological determinants of African anopheline populations: Field observations and model development
<b>5.10P</b>	Ndione J-A., Diop M., Mondet B., Diop C., Dacosta H.	Emergence de la fièvre de la vallée du Rift au Sénégal et variabilité intra-saisonnière de la pluviométrie

<b>5.11P</b>	Mahamane A., Barbier N., Dulieu D., Sinsin B., Saadou M. & Lejoly J.	Résumé : Impact de la variabilité climatique sur la diversité et la dynamique des communautés végétales de la vallée du fleuve Niger (Parc Régional du W)
<b>5.12P</b>	Louvet, Samuel	Statistical analyses of the impact of climatic parameters on the vectors of Malaria over West-Africa
<b>5.13P</b>	Olayinka, K. O., and Nwamadu, U.	Effects of Particulate Lead on Public Health of Urban Residents in Ikeja Area of Lagos Metropolis
<b>5.14P</b>	Cournil Ch. et P. Mazzega	Prévention & Remédiation de Crises Socio-Environnementales au Gourma (Mali/Sahel): De la Télédétection Spatiale aux Instruments Juridiques
<b>5.15P</b>	Adamou, Salissou, Ibrahim Ousmane	Title not available
<b>5.16P</b>	Moukolo, Noel	Vulnérabilité des écosystèmes du Congo et mesures d'adaptation face aux impacts des changements climatiques
<b>5.17P</b>	Dadoum Djeko Magloire	Title not available
<b>5.18P</b>	Prokopy, Linda, Dev Niyogi, Souleymane Fall, Genevieve Maricle, Nivedita Niyogi, Roger Pielke Jr., Roger A. Pielke Sr.	Incorporating Societal Feedback in Assessing Water Resource Vulnerability due to Climate Variability

### **West African Monsoon and Global Climate (Continued)**

<b>#</b>	<b>Author</b>	<b>Title</b>
<b>1.81P</b>	Benoît, V., P. Rogel, Y. M. Tourre, et L. Jarlan	Convergence du flux d'humidité sur l'Atlantique tropical et prévision saisonnière des précipitations sur l'Afrique de l'Ouest
<b>1.82P</b>	Corti, S., F. Molteni and F. Kucharski	Interannual variability and predictability of the West African Monsoon circulation
<b>1.83P</b>	Guillaume, Naklouma, Ousmane Ndiaye	Burkina Faso seasonal rainfall predictability : Sahelian or Guinean regimes
<b>1.84P</b>	Moron, Vincent, Andy W. Robertson, M. Neil Ward, Ousmane Ndiaye	Analysis and downscaling of sub-seasonal variability of Senegal rainfall with weather classification
<b>1.85P</b>	Ndiaye, Ibrahima, Ousmane Ndiaye and Amadou Gaye	Getting around poor GCM rainfall simulation for Senegalese seasonal forecasting: circulation alternative
<b>1.86P</b>	NDIAYE, Ousmane , and Neil WARD	Using Tropical Atlantic Circulation to predict Sahel rainfall
<b>1.87P</b>	Polo, I, B. Rodríguez-Fonseca, E. Serrano-Mendoza	Precipitation and SST patterns related to WAM
<b>1.88P</b>	Trzaska, Sylwia, Andrew Robertson, Pauline Dibi-Kangah	Simulation of subseasonal characteristics of rainfall in Central West Africa using a Hidden Markov Model