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1 Properties of aerosols in the west African dry and wet seasons: results from the ground-based and airborne measurements within the AMMA campaign

P. Formenti (1), J. L. Rajot (2), B. Marticorena (1), K. Desboeufs (1), A. Zakou (2), E. Journet (1), N. Grand (3), N. Mouget (2), S. Chevaillier (1), S. Caquineau (4), A. Gaudichet (1), B. Chatenet (1), S. Alfaro (1), G. Bergametti (1), M. Maille (1), M. Sow (1), B. Laurent (1), S. Triquet (1), J. M. Velay (1), K. Hungershoefer (1), C. Chou (1), P. Ausset (1), G. Di Donfrancesco (5), F. Cairo (6), F. Fierli (6), B. Heese (7), D. Tanré (8), S. Osborne (9), J. Haywood (9)

(1) Laboratoire Interuniversitaire des Systèmes Atmosphériques, CNRS/Universités Paris7/Paris12, (2) Institut de Recherche pour le Développement, Niamey (3) DT-INSU, CNRS (4) Institut de Recherche pour le Développement, Bondy (5) ENEA, Rome (6) Institute for Atmospheric Sciences and Climate, CNR (7) Institute for Tropospheric Research, Leipzig (8) UK MetOffice, Exeter

(formenti@lisa.univ-paris12.fr/Fax:+ 33 1 45 17 15 64)

This poster presents the measurements of aerosol physico-chemical and optical properties of mineral dust and biomass burning aerosols which have been performed at the ground-based supersite of Banizoumbou, Niger, as well as onboard the UK BAe146 and F-ATR 42 aircraft based in Niamey (40 km west of Banizoumbou), during the dry and wet season intensive campaigns (SOP0 and SOP1) of the AMMA project.

Selected case studies are chosen to illustrate the mean physico-chemical and optical properties of those aerosols, that is, their chemical composition, number size distribution, scattering and absorption coefficient, and single scattering albedo.