



A special journal issue was dedicated to the NEWBALTIC Project.

The following 14 papers appear in **Meteorology and Atmospheric Physics, Vol.77, No. 1-4, 2001:**

Hantel, M.: Editorial: Scientific results of the European NEWBALTIC project. pp. 1-8

Bengtsson, L.: Numerical modelling of the energy and water cycle of the Baltic Sea. pp. 9-18

Jacob, D., B. J. J. M. Van den Hurk, U. Andr e, G. Elgered, C. Fortelius, L. P. Graham, S. D. Jackson, U. Karstens, Chr. K pken, R. Lindau, R. Podzun, B. Rockel, F. Rubel, B. H. Sass, R. N. B. Smith, X. Yang: A comprehensive model inter-comparison study investigating the water budget during the BALTEX-PIDCAP period. pp. 19-44

Graham, L. P., S. Bergstr m: Water balance modelling in the Baltic Sea drainage basin - analysis of meteorological and hydrological approaches. pp. 45-60

Jacob, D.: A note to the simulation of the annual and inter-annual variability of the water budget over the Baltic Sea drainage basin. pp. 61-74

Rockel, B., U. Karstens: Development of the water budget for three extra-tropical cyclones with intense rainfall over Europe. pp. 75-84

Hamelbeck, F., L. Haimberger, M. Hantel: Convection in PIDCAP Part I: Evaluating LAM convection. pp. 85-98

Stoew, B., G. Elgered, J. M. Johansson: An assessment of estimates of integrated water vapor from ground-based GPS data. pp. 99-108

van Meijgaard, E., U. Andr e, B. Rockel: Comparison of model predicted cloud parameters and surface radiative fluxes with observations on the 100 km scale. pp. 109-130

Lenderink G., E. van Meijgaard: Impacts of cloud and turbulence schemes on integrated water vapor: comparison between model predictions and GPS measurements. pp. 131-144

Hess, R.: Assimilation of screen-level observations by variational soil moisture analysis. pp. 145-154

Rubel, F., M. Hantel: BALTEX 1/6-degree daily precipitation climatology 1996-1998. pp. 155-166

Haimberger, L., B. Ahrens, F. Hamelbeck, M. Hantel: Impact of time sampling on atmospheric energy budget residuals. pp. 167-185

Hantel, M., L. Haimberger, F. Hamelbeck: Convection in PIDCAP Part II: DIAMOD -- A standard for diagnosing convective quantities. pp. 185-203