



Trend analyses of tropospheric NO₂ over China

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A data set of 10 year tropospheric NO₂ has been processed from GOME and SCIAMACHY observations using a combined retrieval/assimilation approach. This approach allows the retrieval of global, accurate tropospheric concentrations and detailed error estimates. The resulting dataset has been analysed with statistical methods to derive trends in NO₂ and the seasonal variability on a grid of 1x1 degree for all regions of China. Comparative studies of the fitted parameters with social-geographical parameters will be presented.