

Supplementary Materials for:

Chemical composition, main sources and temporal variability of PM₁ aerosols in southern African grassland

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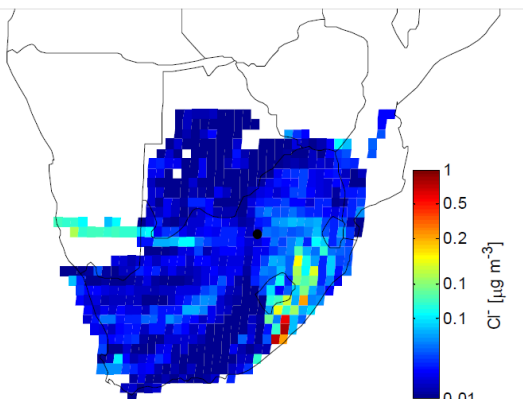
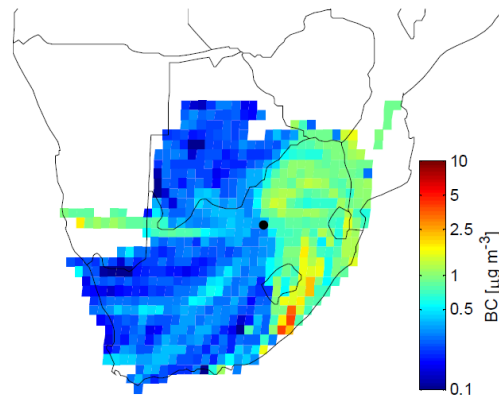
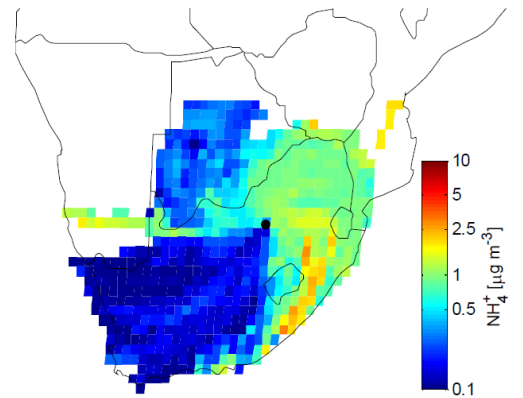
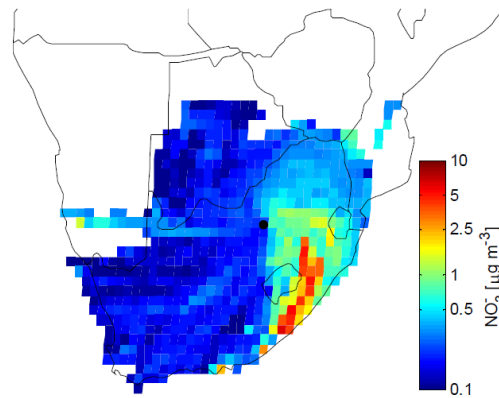
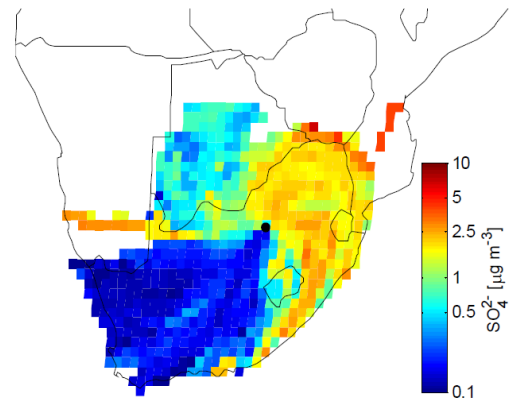
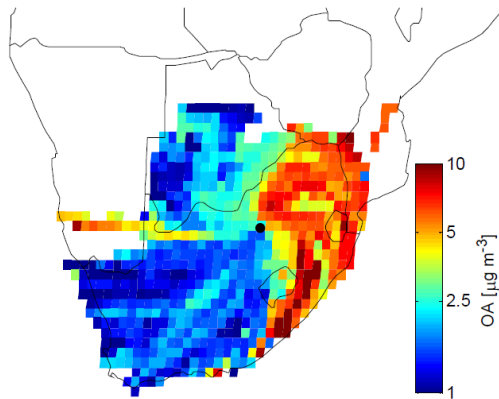
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1. Supporting graphs



a)

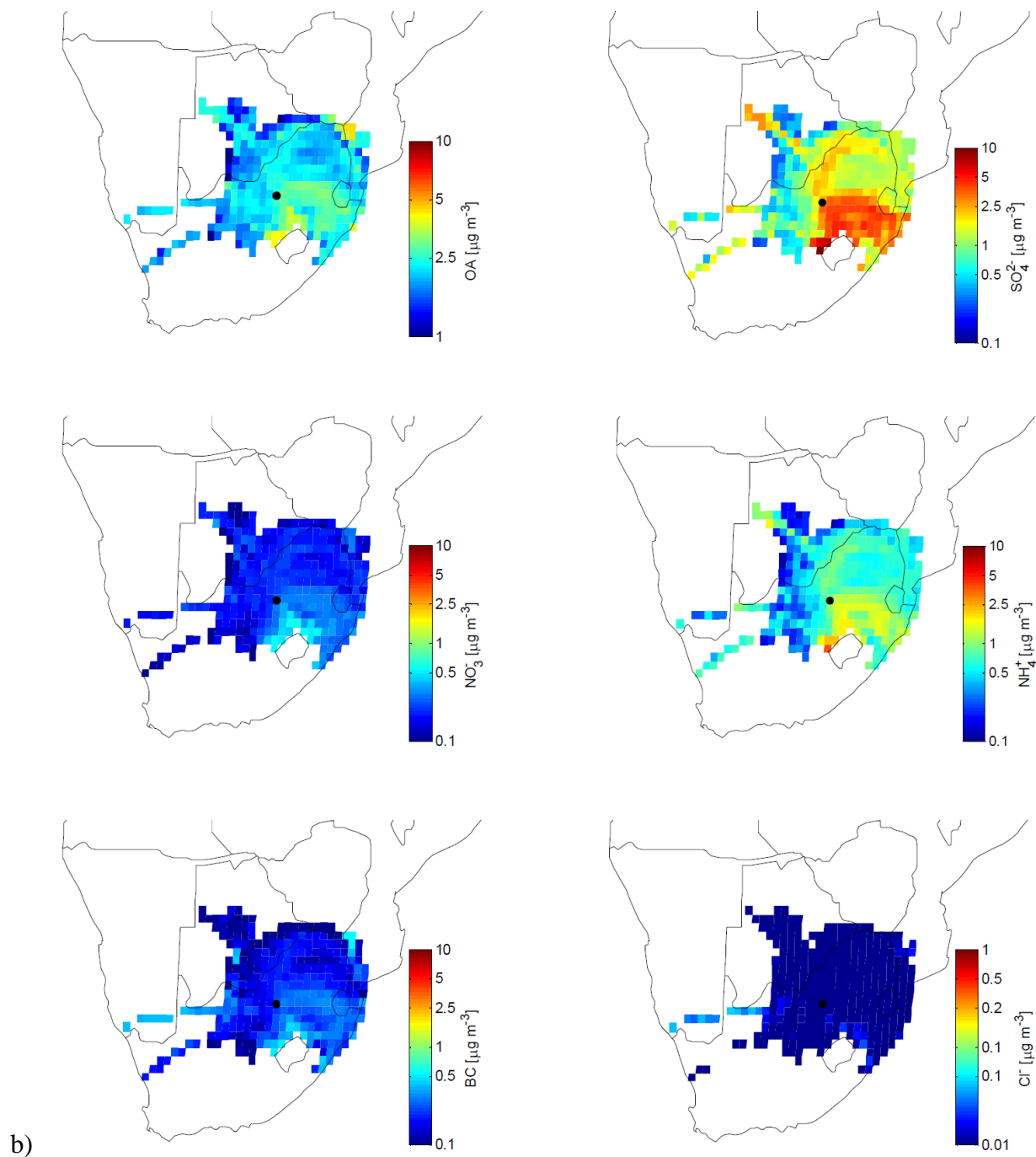


Figure S1: Source area maps of OA, SO_4^{2-} , NH_4^+ , NO_3^- , BC and Cl^- concentrations both in the dry (a) and wet (b) seasons. The maps have been generated with the simple approach used by Vakkari et al. (2011, 2013), where point measurements are connected to 96-hour HYSPLIT (Draxler and Hess, 2004) backtrajectories to gain an overview of regional scale patterns. In these maps the color of each pixel represents the median concentration of respective mass component observed at Welgegund, when air masses have passed over that location. At least ten data points per pixel are required.