Supplement of Atmos. Chem. Phys., 19, 3463–3479, 2019
https://doi.org/10.5194/acp-19-3463-2019-supplement

Atmospheric Chemistry and Physics
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EGU

Supplement of

Seasonal study of stable carbon and nitrogen isotopic composition in fine aerosols at a Central European rural background station

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Supplementary Information:

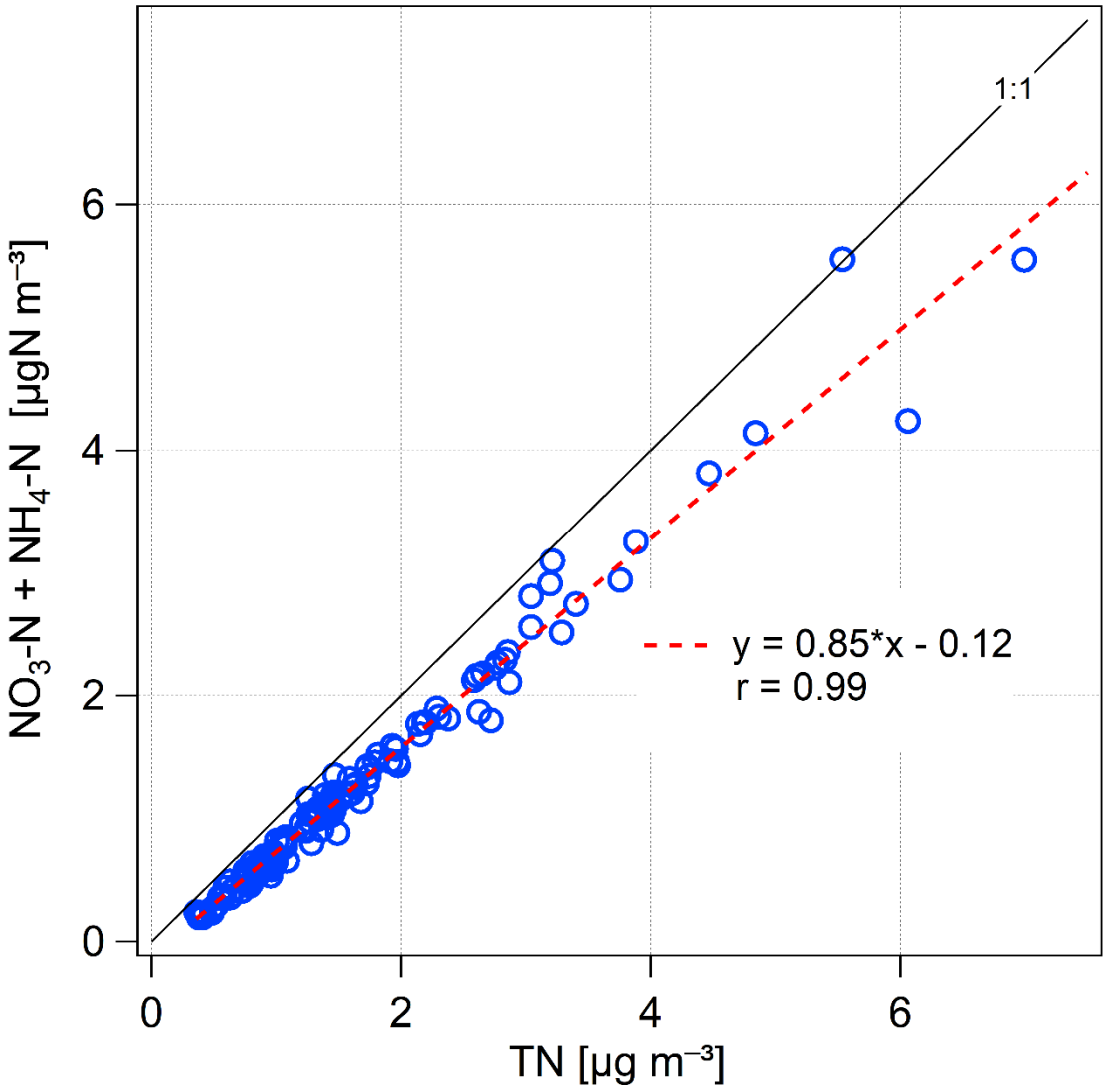

Fig. S1: Relationship of the sum of nitrate and ammonium nitrogen measured by ion chromatography to the total aerosol nitrogen measured by EA.

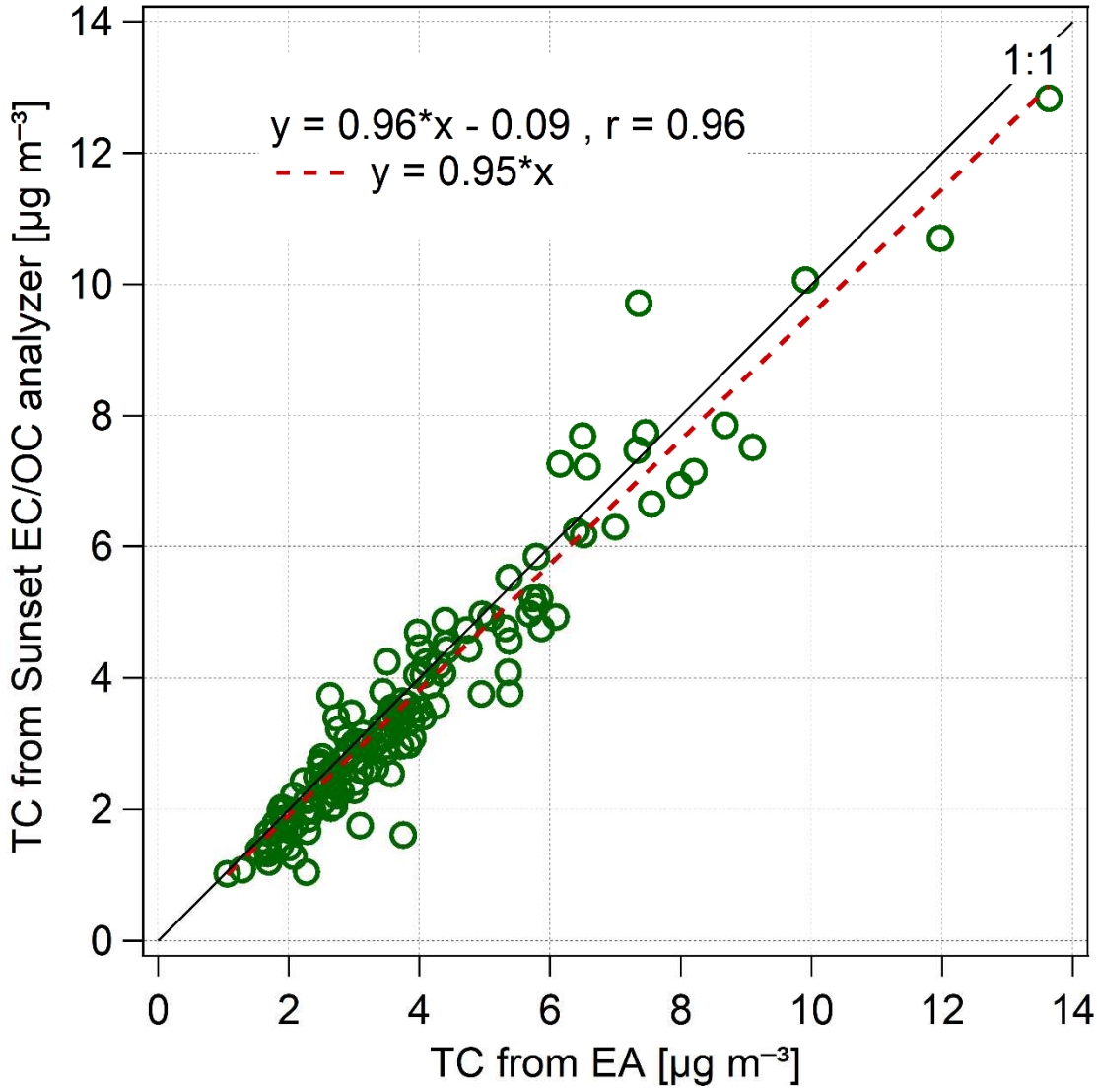

Fig. S2: Comparison of TC from EA-IRMS and TC from the EC/OC analyzer measured in parallel to filter sampling (both PM1 aerosols).

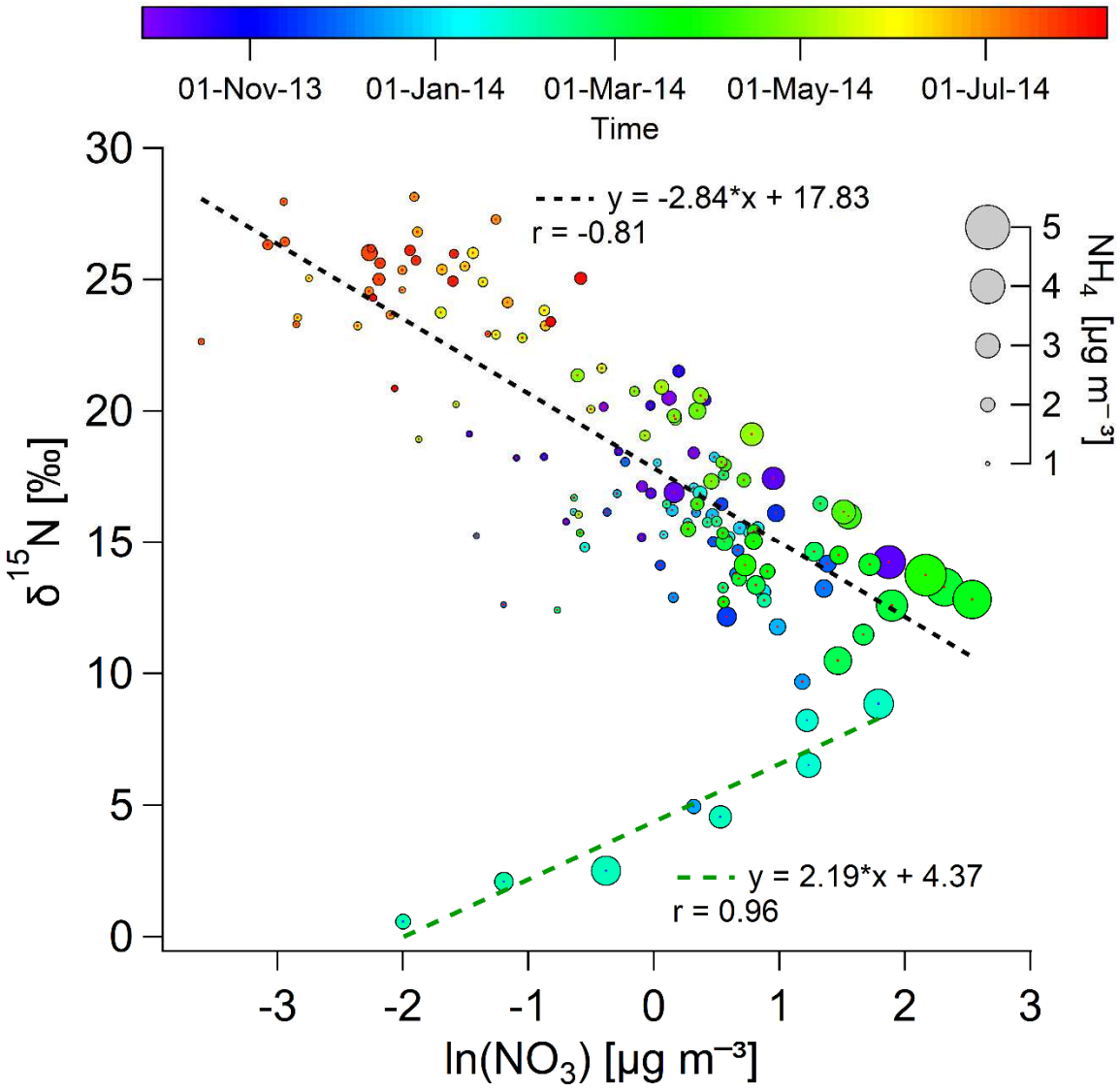

Fig. S3: Relationships of $\delta^{15}N$ in TN vs. the natural logarithm of NO_3^- concentrations. The larger circles indicate higher NH_4^+ concentrations. The color scale reflects the time of sample collection.

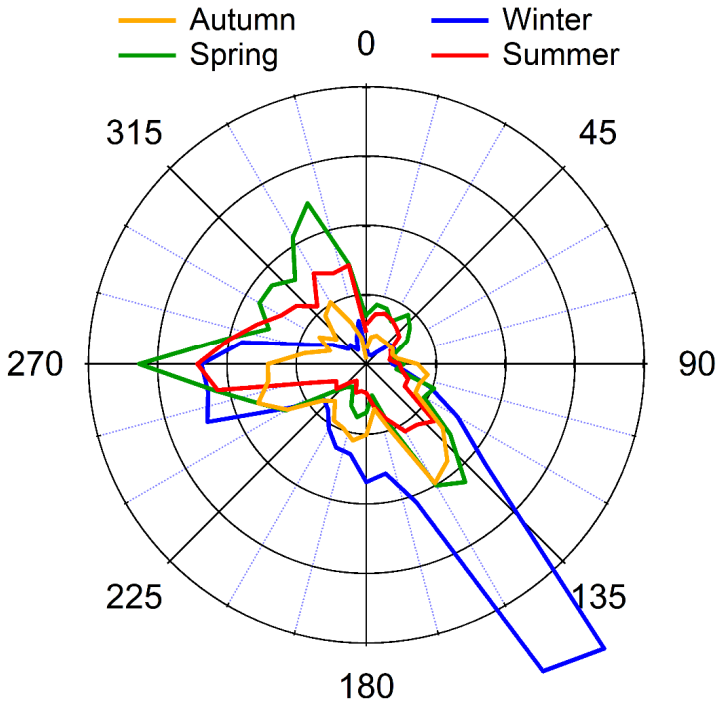

Fig. S4: Wind directions in different seasons during the measurement campaign.

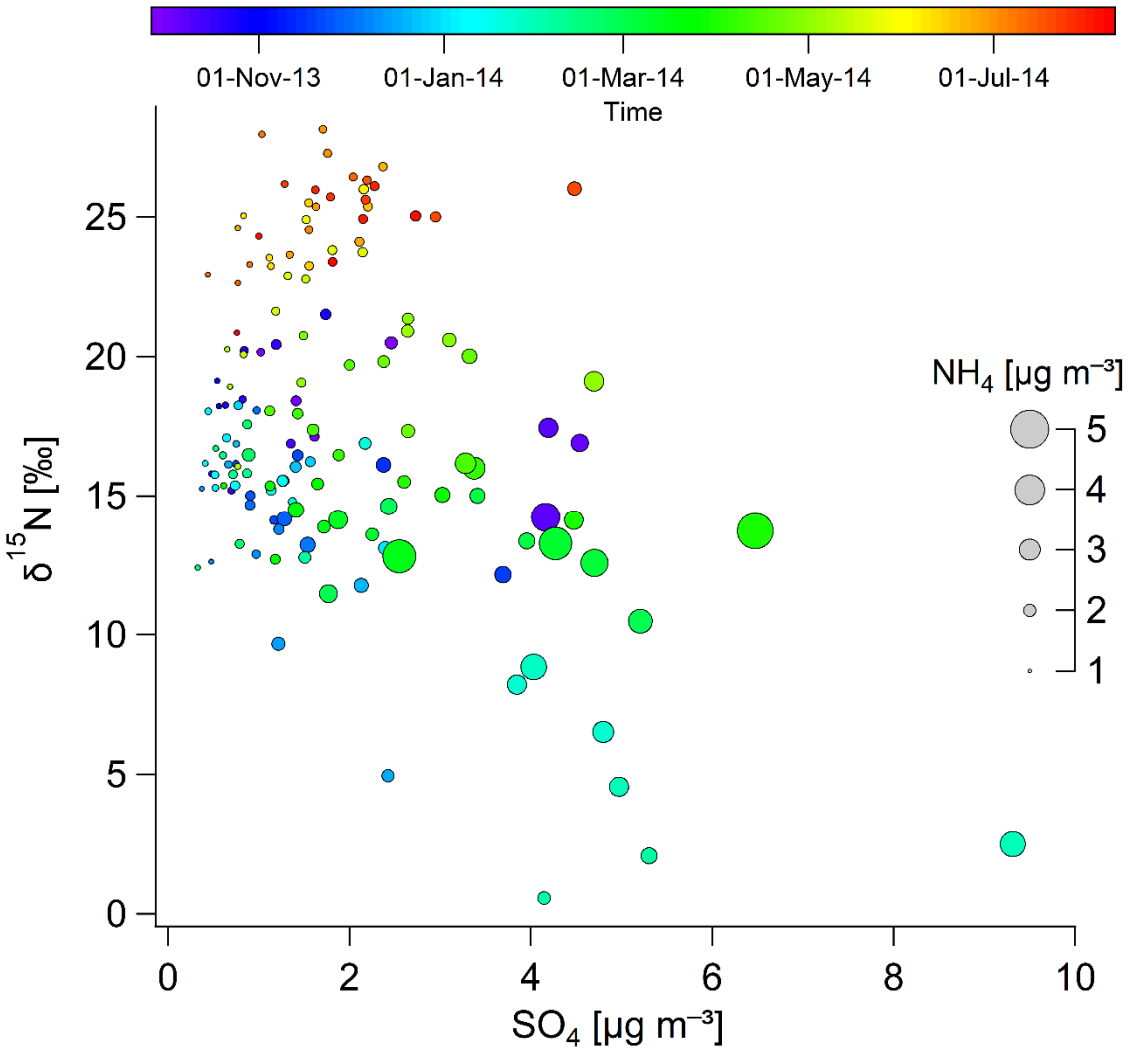

Fig. S5: Relationships of $\delta^{15}N$ in TN vs. SO_4^{2-} concentrations. The larger circles indicate higher NH_4^+ concentrations. The color scale reflects the time of sample collection.