

Figure S1. Summary of the results of the ionization efficiency calibrations of the AMS during the MCMA-2003 field campaign.

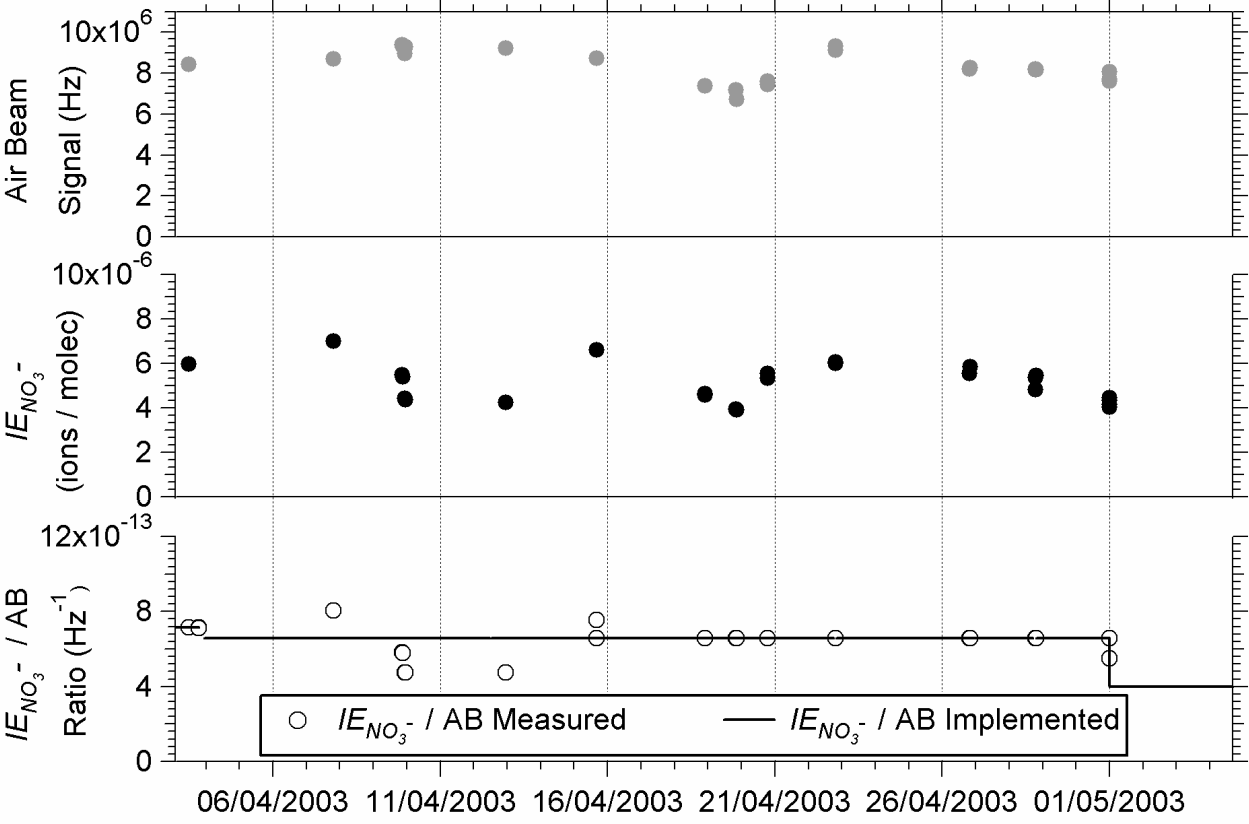


Figure S2. Correlations between the time series of the main fragments used to calculate mass concentration of the inorganic species for the AMS. Black lines are linear fits to the data.

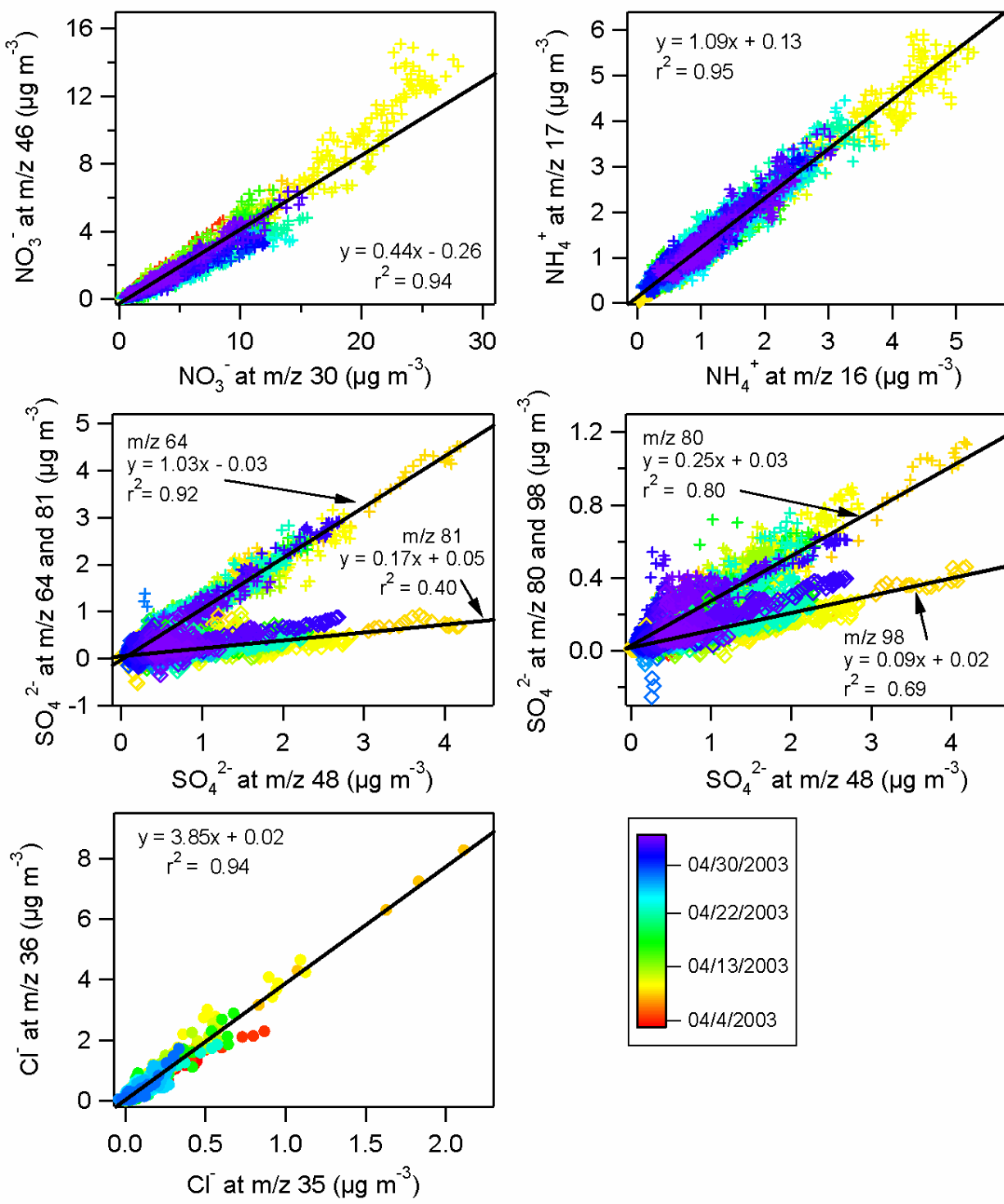


Figure S3. Results of the multimode lognormal fits performed to the size distributions of the AMS components. In each plot the lognormal modes resulting from the fit are shown with thin black lines. The sum of the modes is plotted in grey, while the data is plotted in thick black.

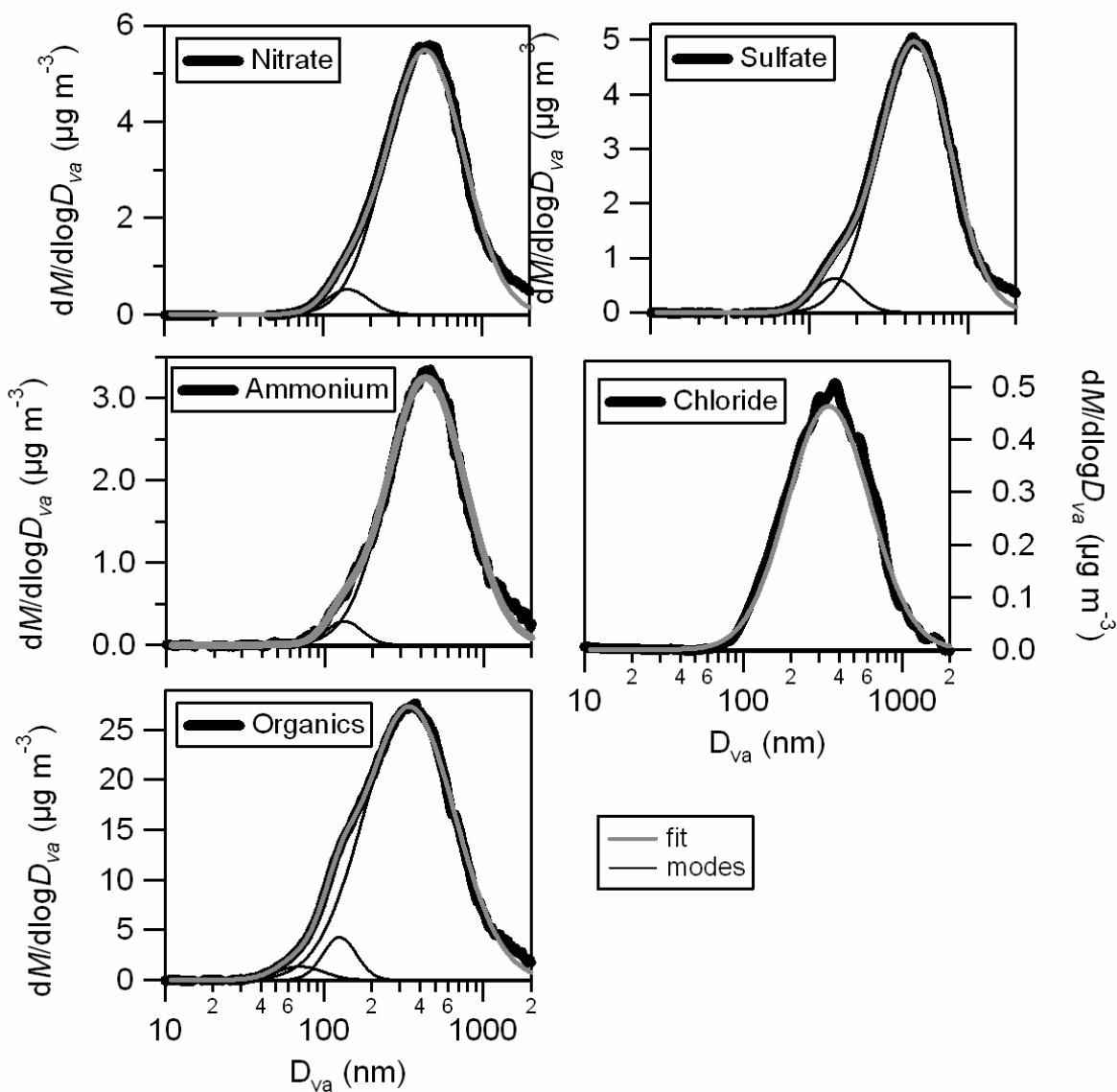


Figure S4. “Small” and “accumulation” modes of the AMS species as calculated from the multimode lognormal fits.

