

Supplementary material

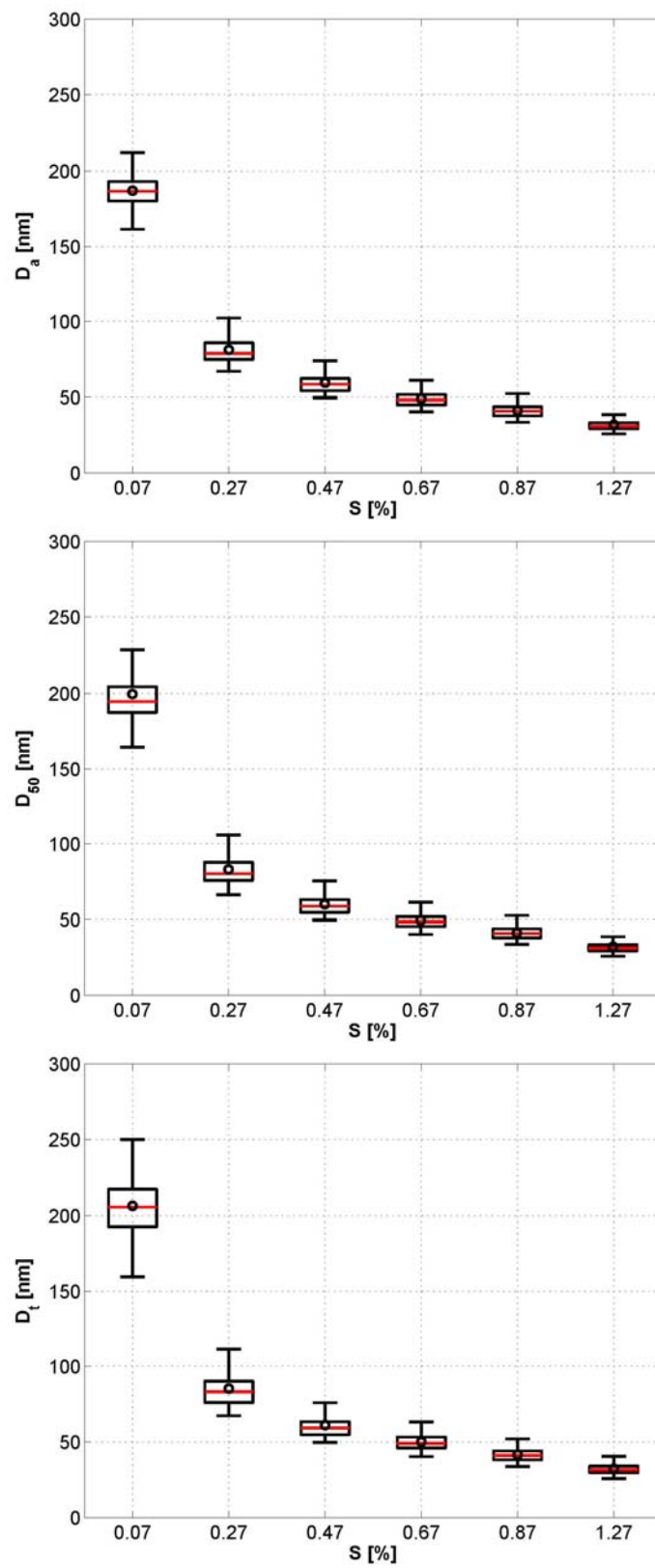


Figure S 1: Statistical distribution of activation diameters (D_a , D_{50} , D_t) for the entire campaign. The circle is the mean value, the horizontal red line in the box is the median, the limits of the boxes are the 25th percentile and 75th percentile and the vertical lines extend to the 5th and 95th percentiles.

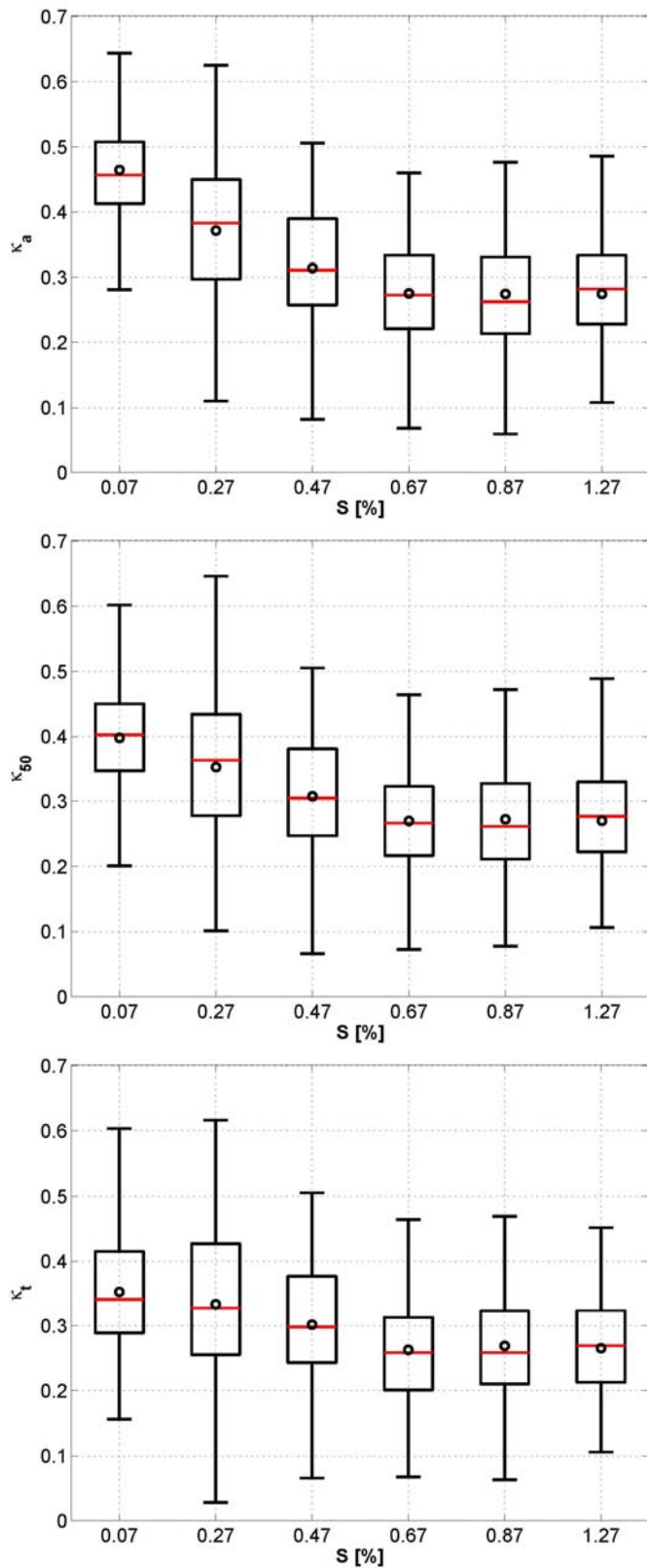


Figure S 2: Statistical distribution of hygroscopicity parameters (κ_a , κ_{50} , κ_t) for the entire campaign. Symbols are analogous to Figure S 1.

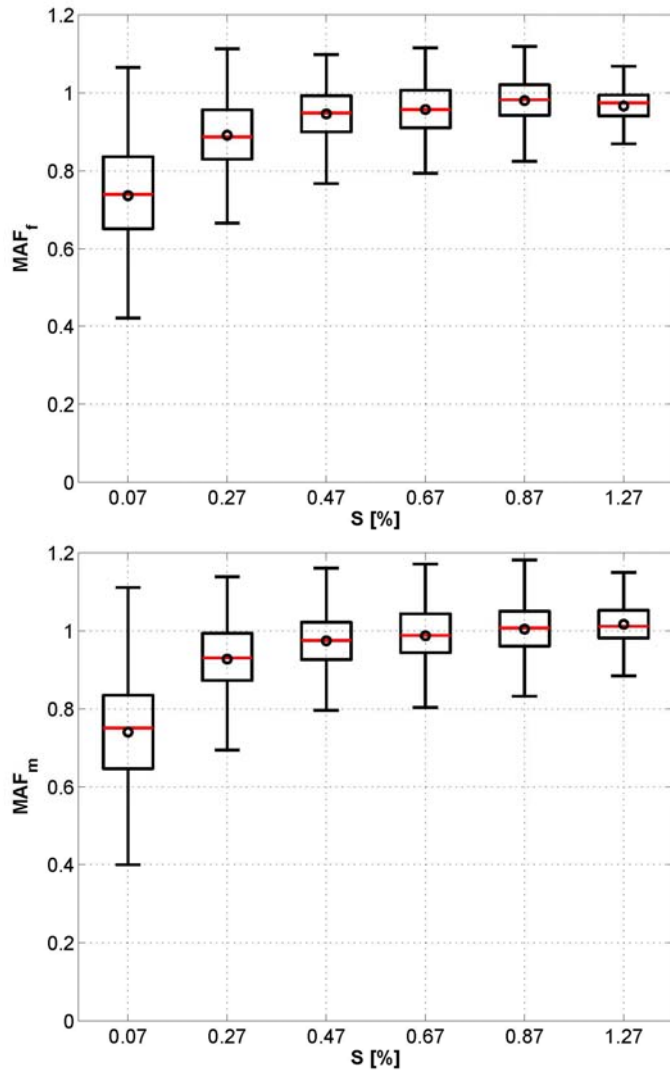


Figure S 3: Statistical distribution of fitted and measured maximum activated fractions (MAF_f , MAF_m) for the entire campaign. Symbols are analogous to Figure S 1.

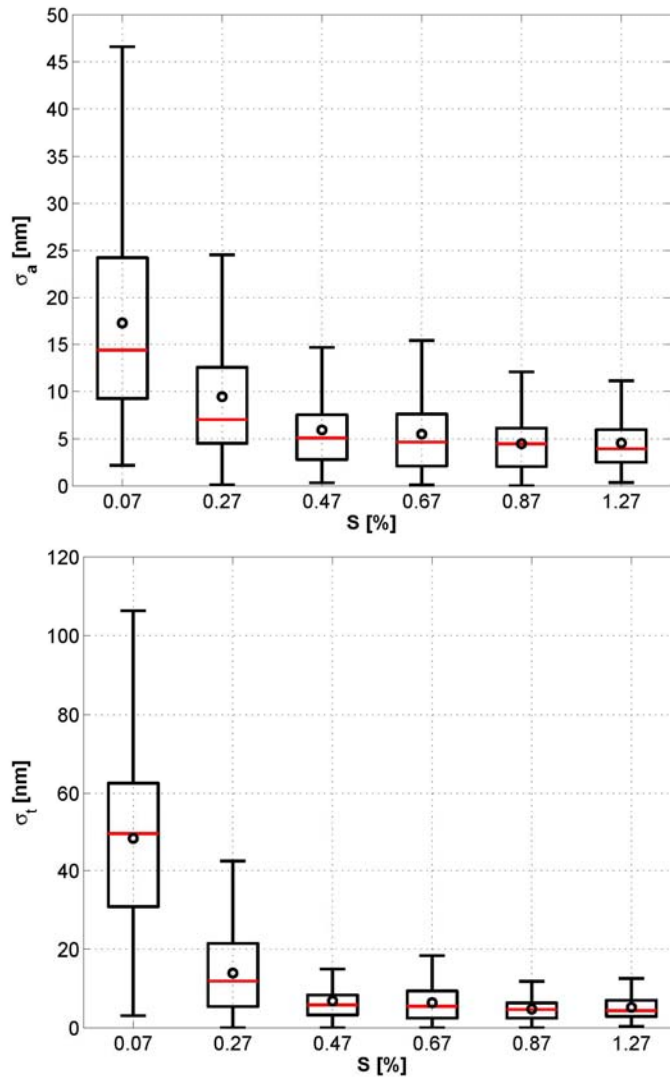


Figure S 4: Statistical distribution of CDF standard deviations (σ_a , σ_t) for the entire campaign. Symbols are analogous to Figure S 1.

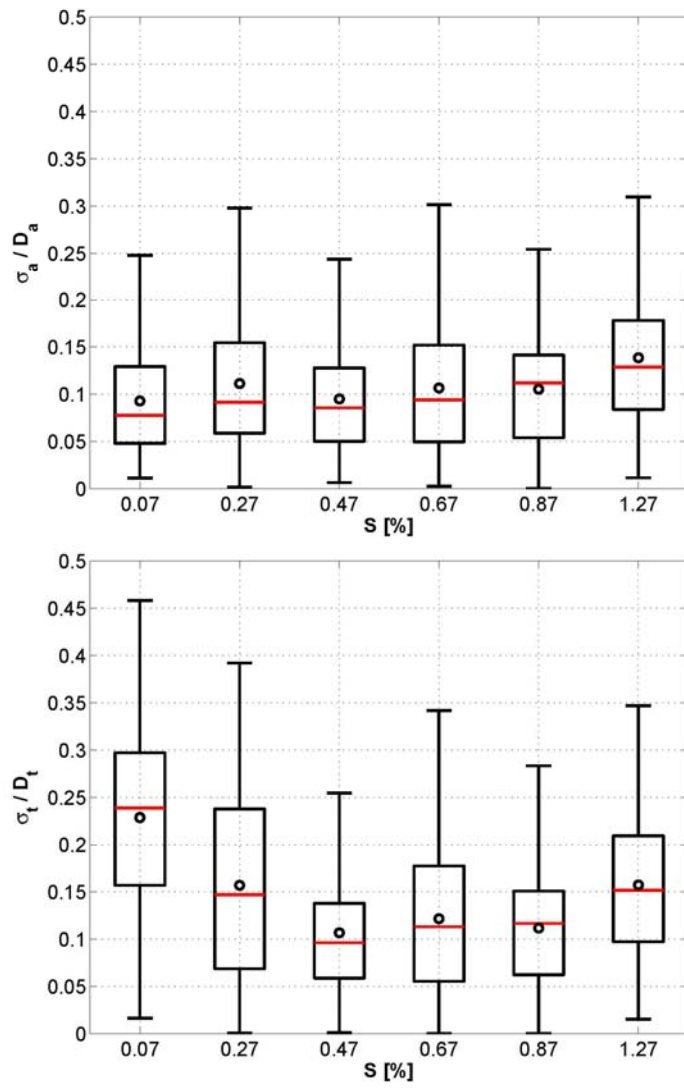


Figure S 5: Statistical distribution of heterogeneity parameters (σ_a/D_a , σ_t/D_t) for the entire campaign. Symbols are analogous to Figure S 1.

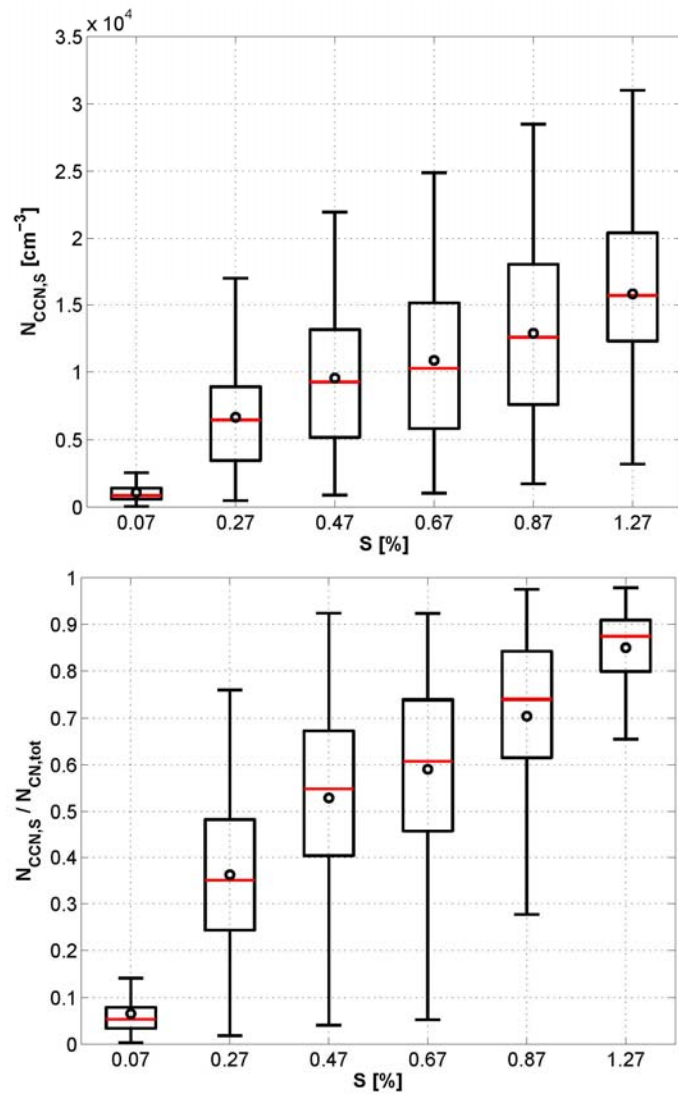


Figure S 6: Statistical distribution of measured CCN number concentrations ($N_{CCN,s}$) and of the integral CCN efficiencies ($N_{CCN,s}/N_{CN,tot}$) for the entire campaign. Symbols are analogous to Figure S 1.