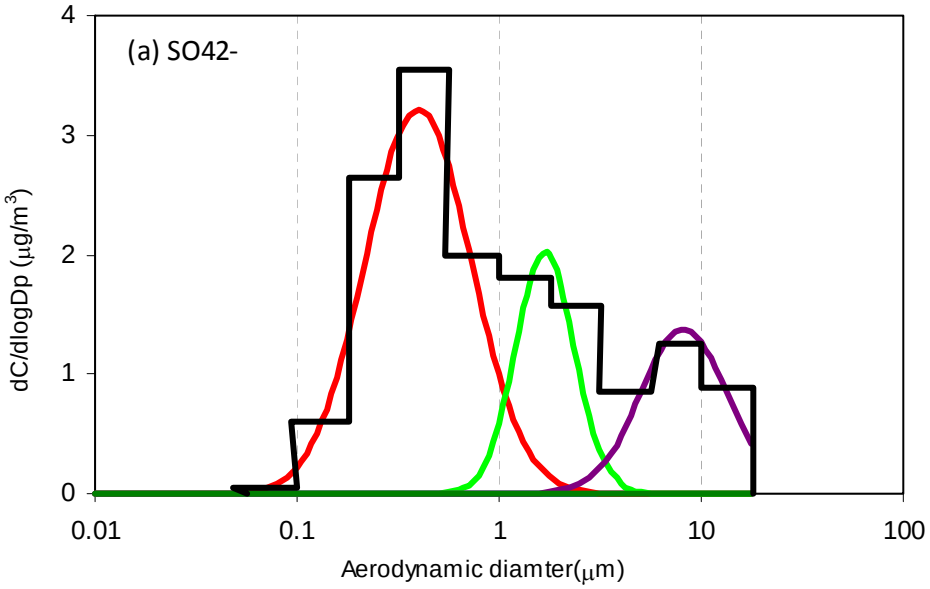
Figure S1. Log-normal-function-fitted size distributions of ionic concentrations in the sample collected during the period from 11:40 on November 16 to 9:50 on November 17, 2004 at SPR.



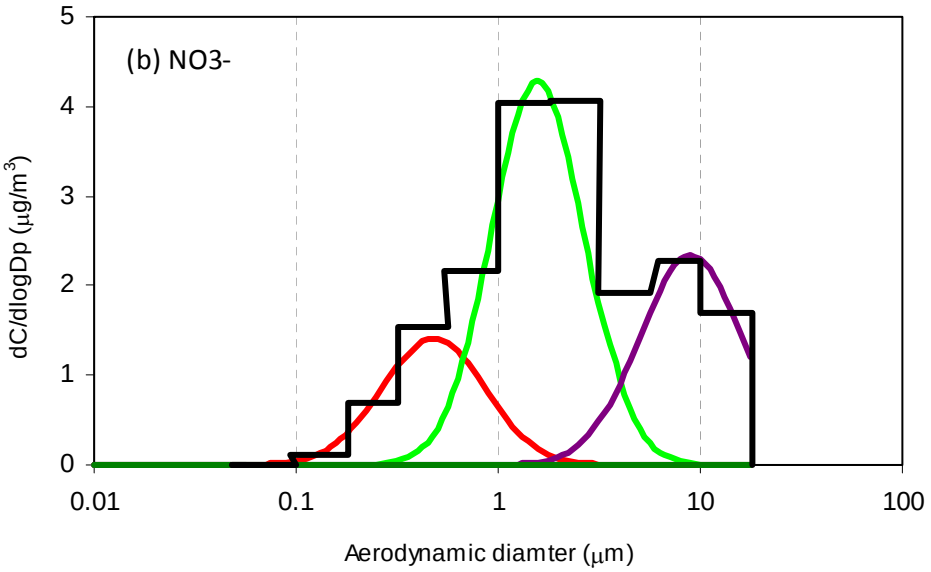
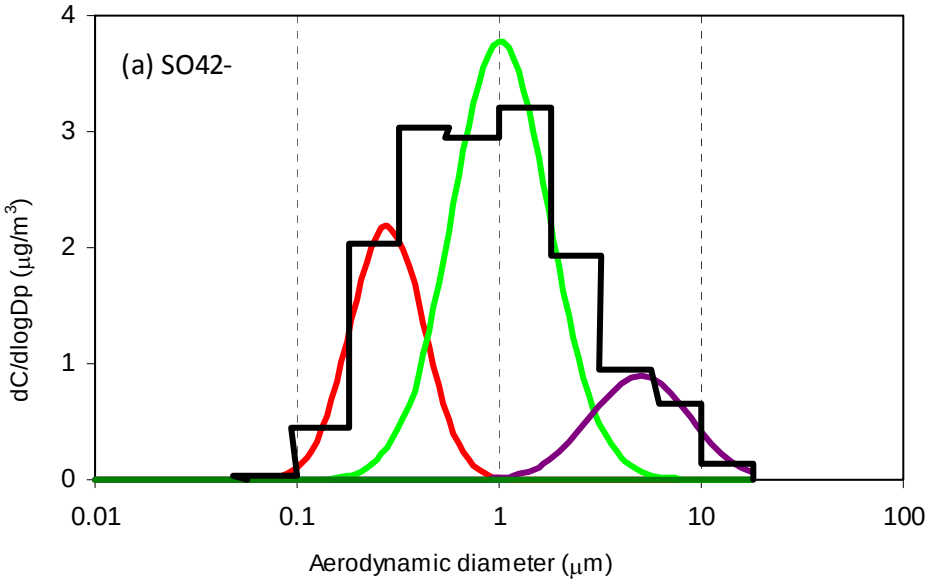


Figure S2. Log-normal-function-fitted size distributions of ionic concentrations in the sample collected during the period from 10:10 on November 17 to 9:00 on November 18, 2004 at SPR



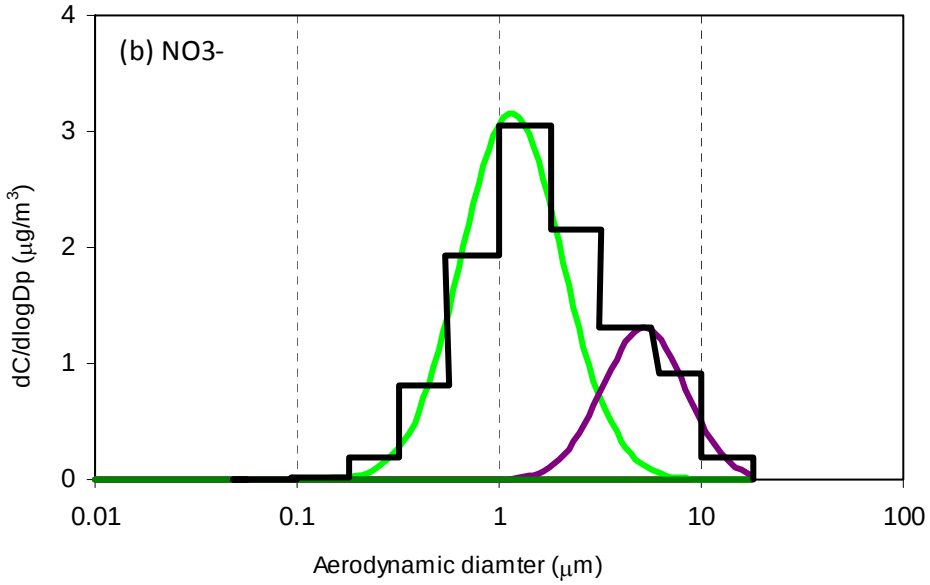


Figure S3. Log-normal-function-fitted size distribution of ionic concentrations during the period from 10:50 on November 10 to 10:40 on November 11, 2002 at KEJ.

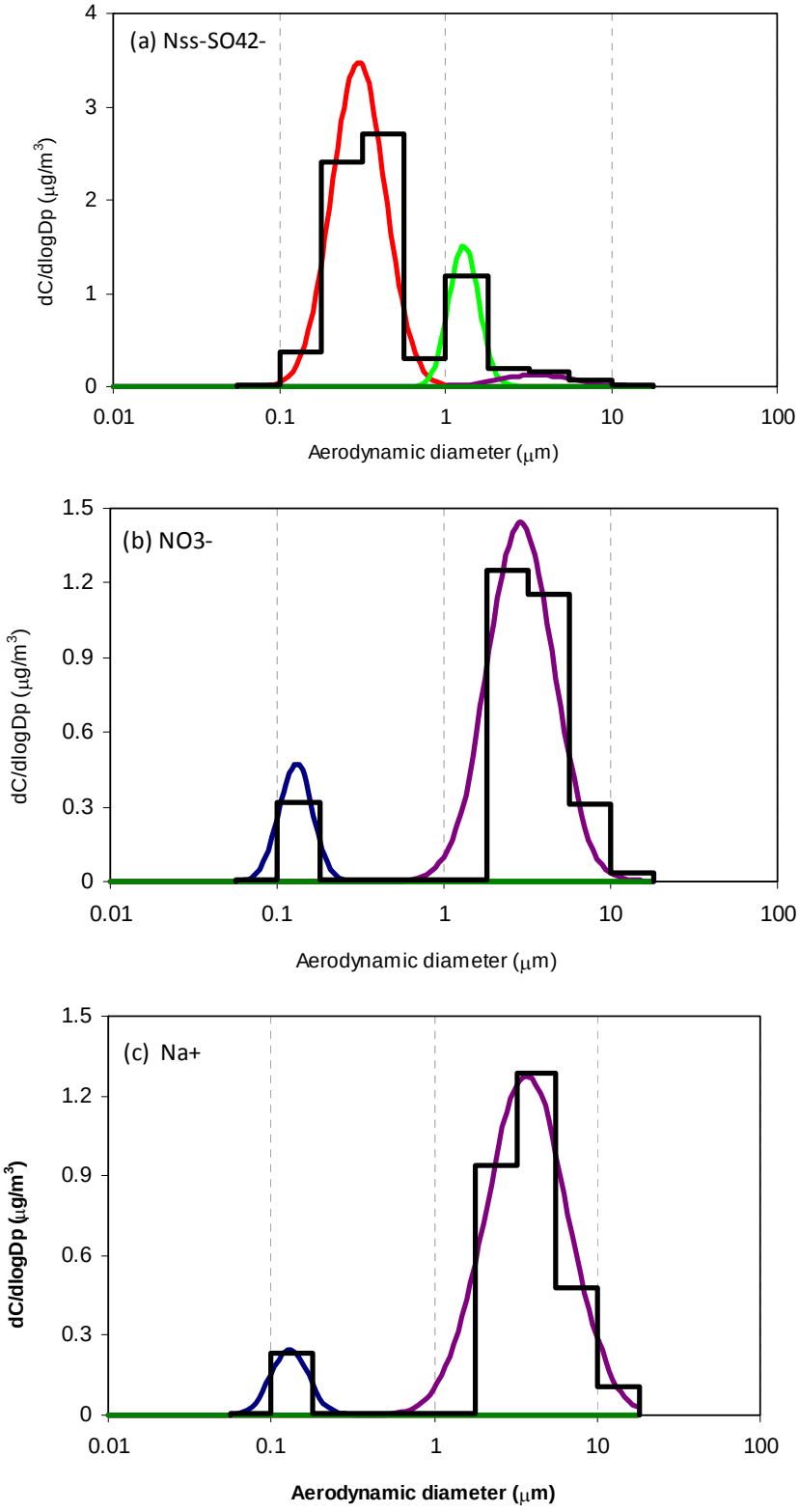
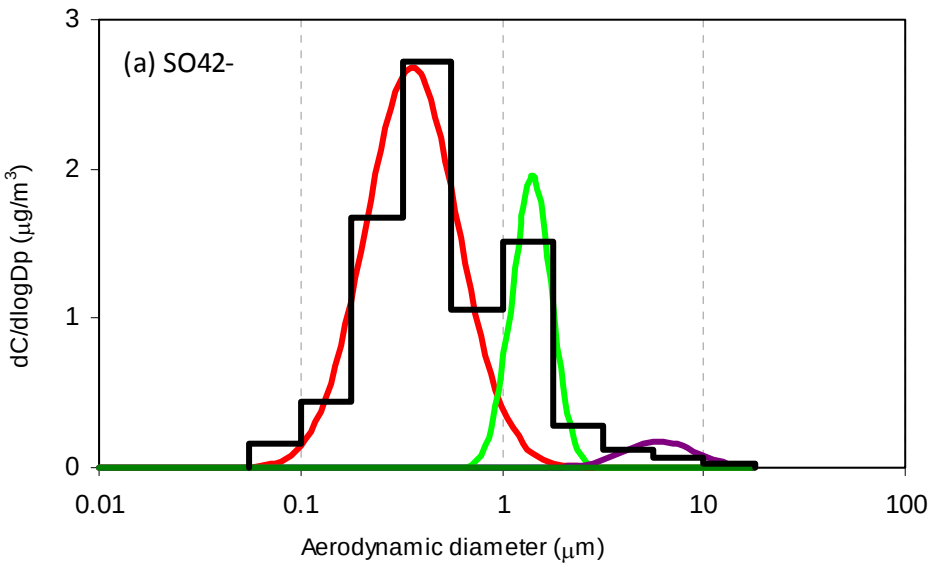


Figure S4. Log-normal-function-fitted size distributions of SO_4^{2-} during the period from 9:30 on June 14-9:00 on June 15, 2004 (a) and from 9:15 on June 16-9:00 on June 20, 2004 (b) at CHA



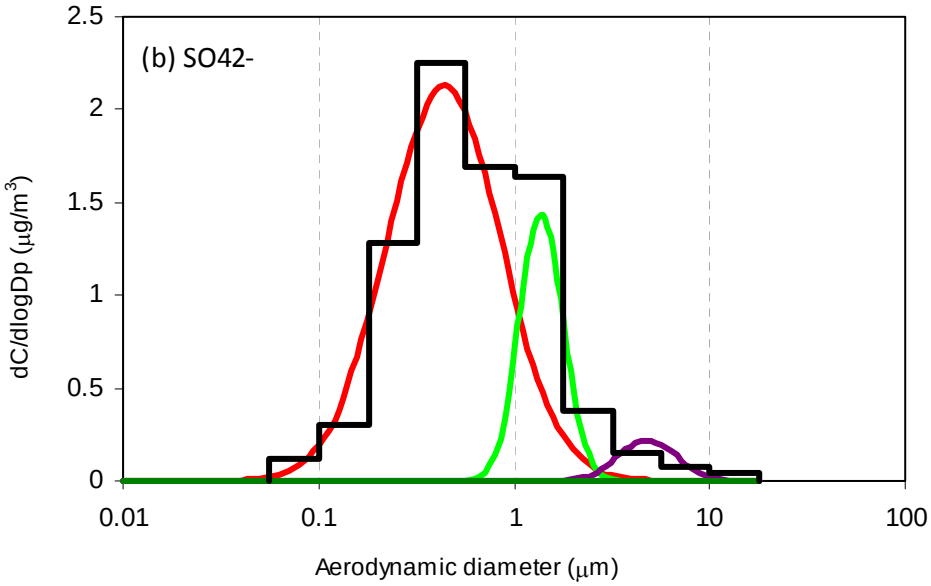


Figure S5 Log-normal-function-fitted size distributions of ionic concentrations during the period from 17:50 on November 8 to 10:20 on November 9, 2002 at KEJ

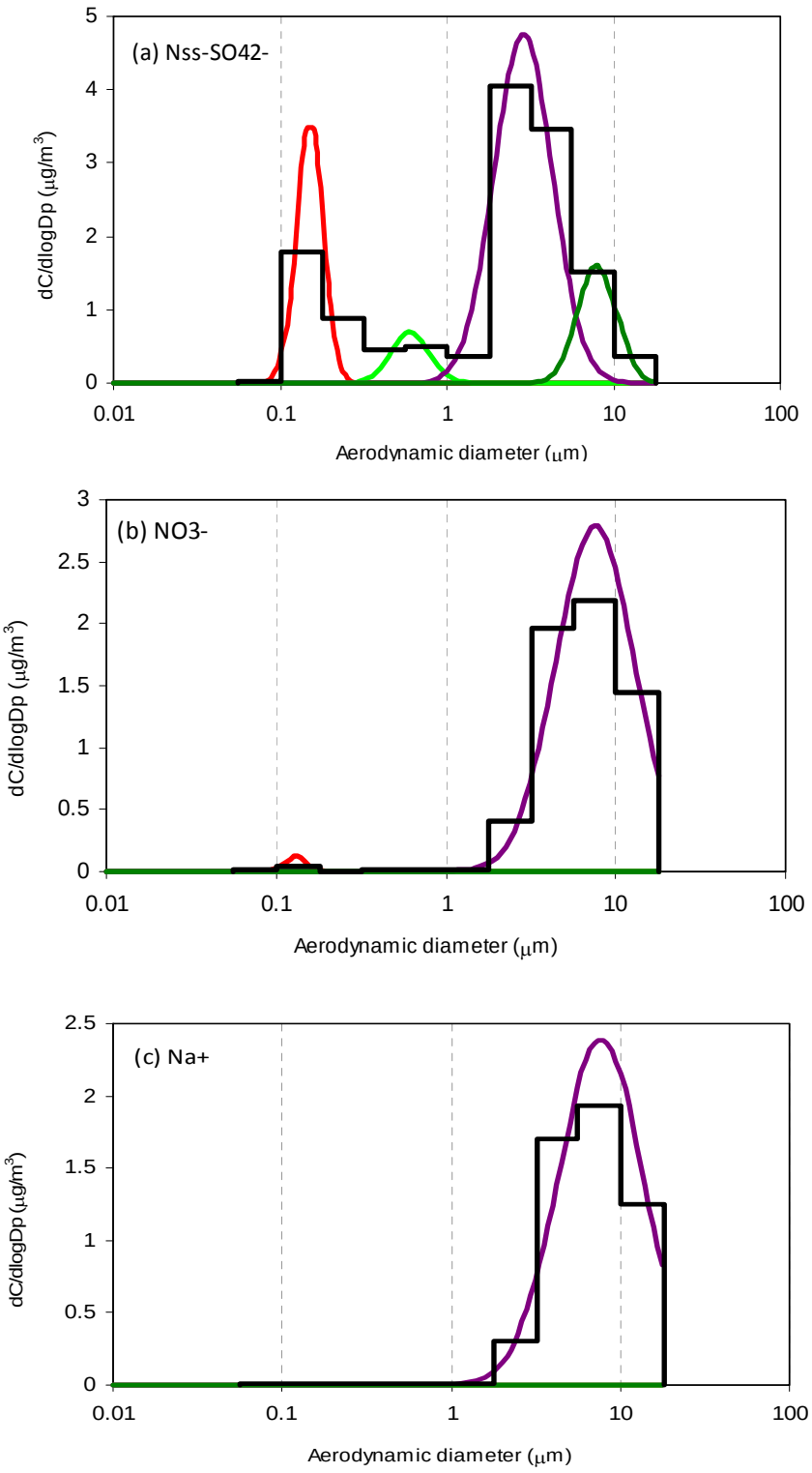


Figure S6. Log-normal-function-fitted size distributions of ionic concentrations during the period 11:10 on November 9 to 10:20 on November 10, 2002 at KEJ

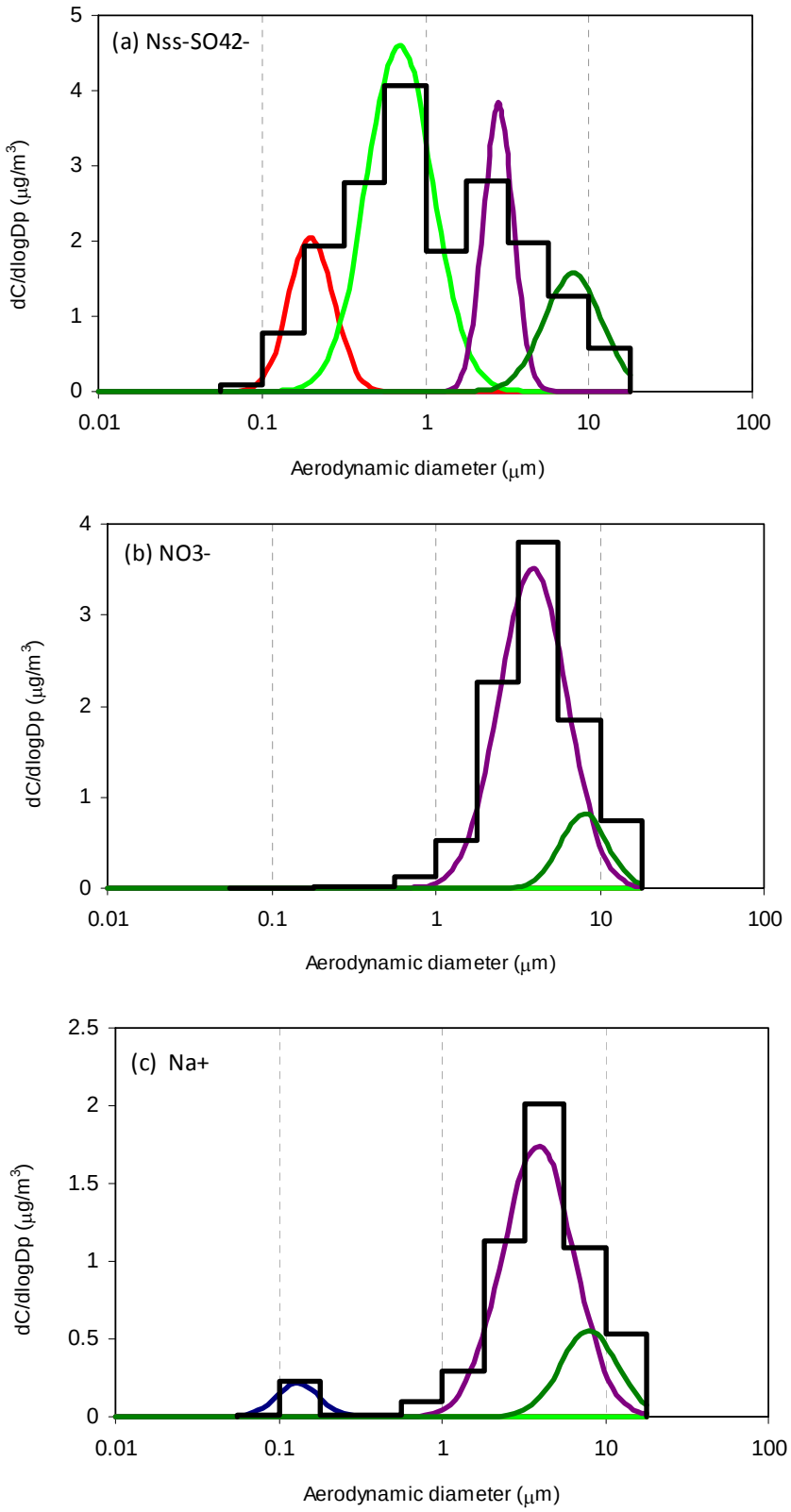


Figure S7. Log-normal-function-fitted size distribution of ionic concentrations during the period from 11:00 on February 19, 2003-10:30 on February 20, 2003 at ALG.

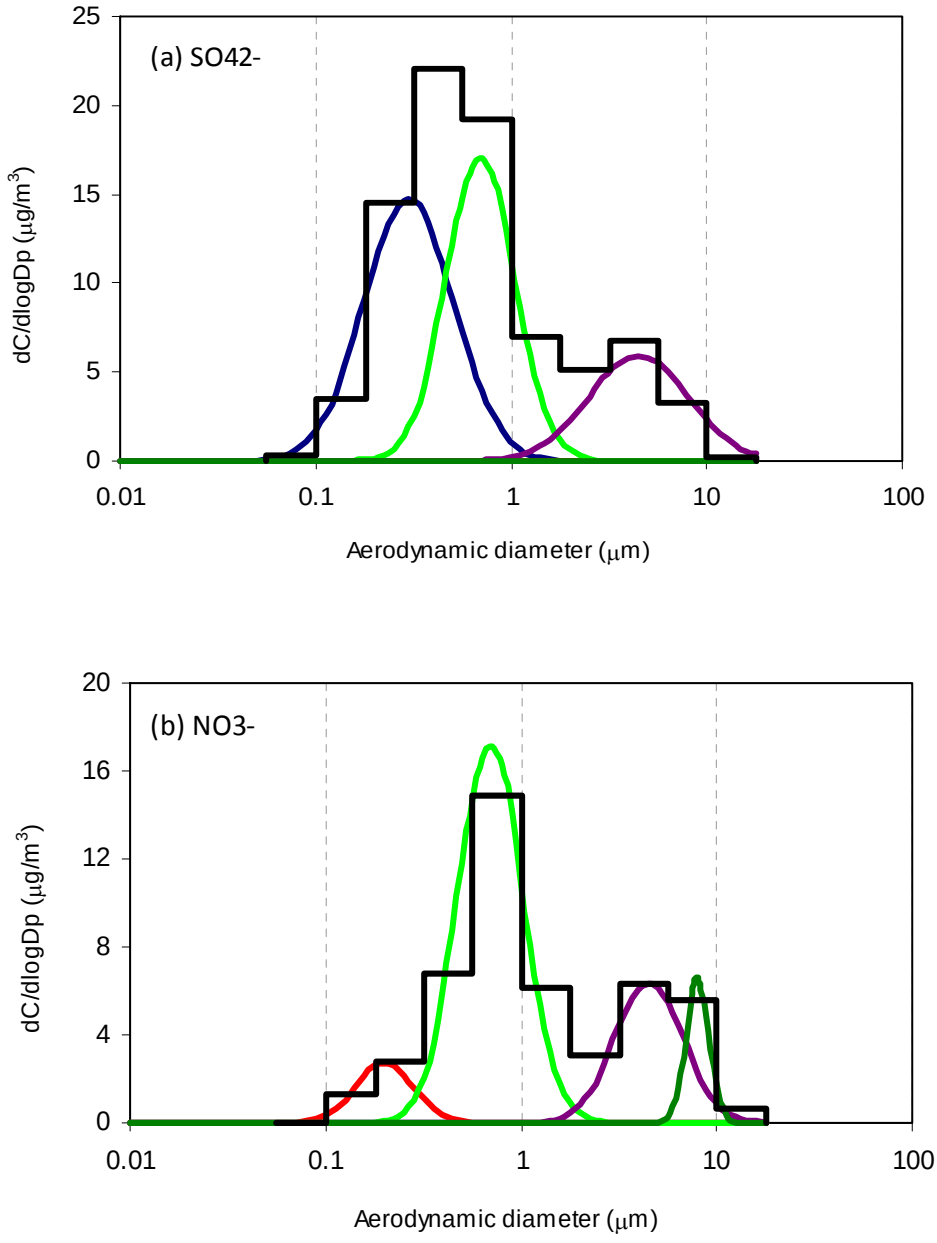


Figure S8. Log-normal-function-fitted size distribution of ionic concentrations during the period from 11:40 on November 16 to 9:50 on November 17, 2004 at EGB

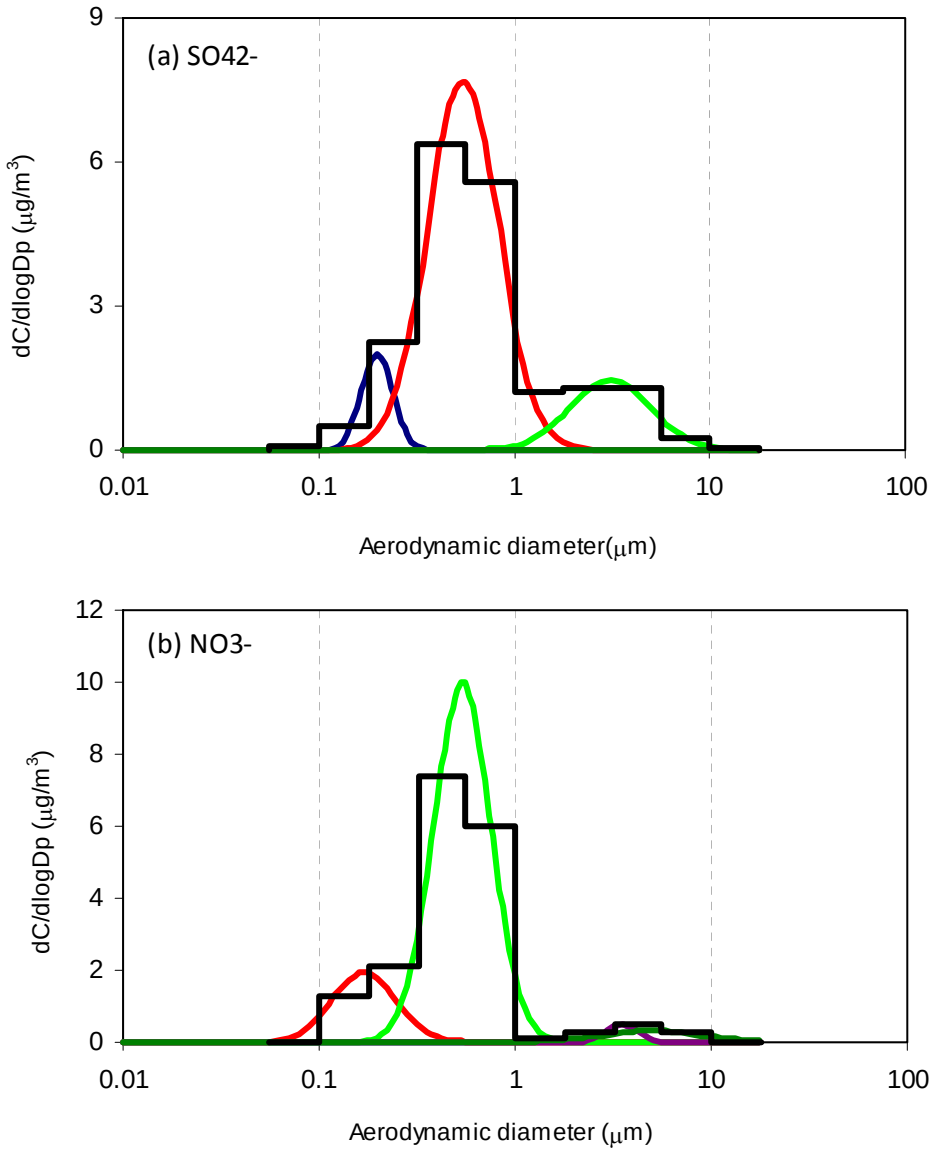
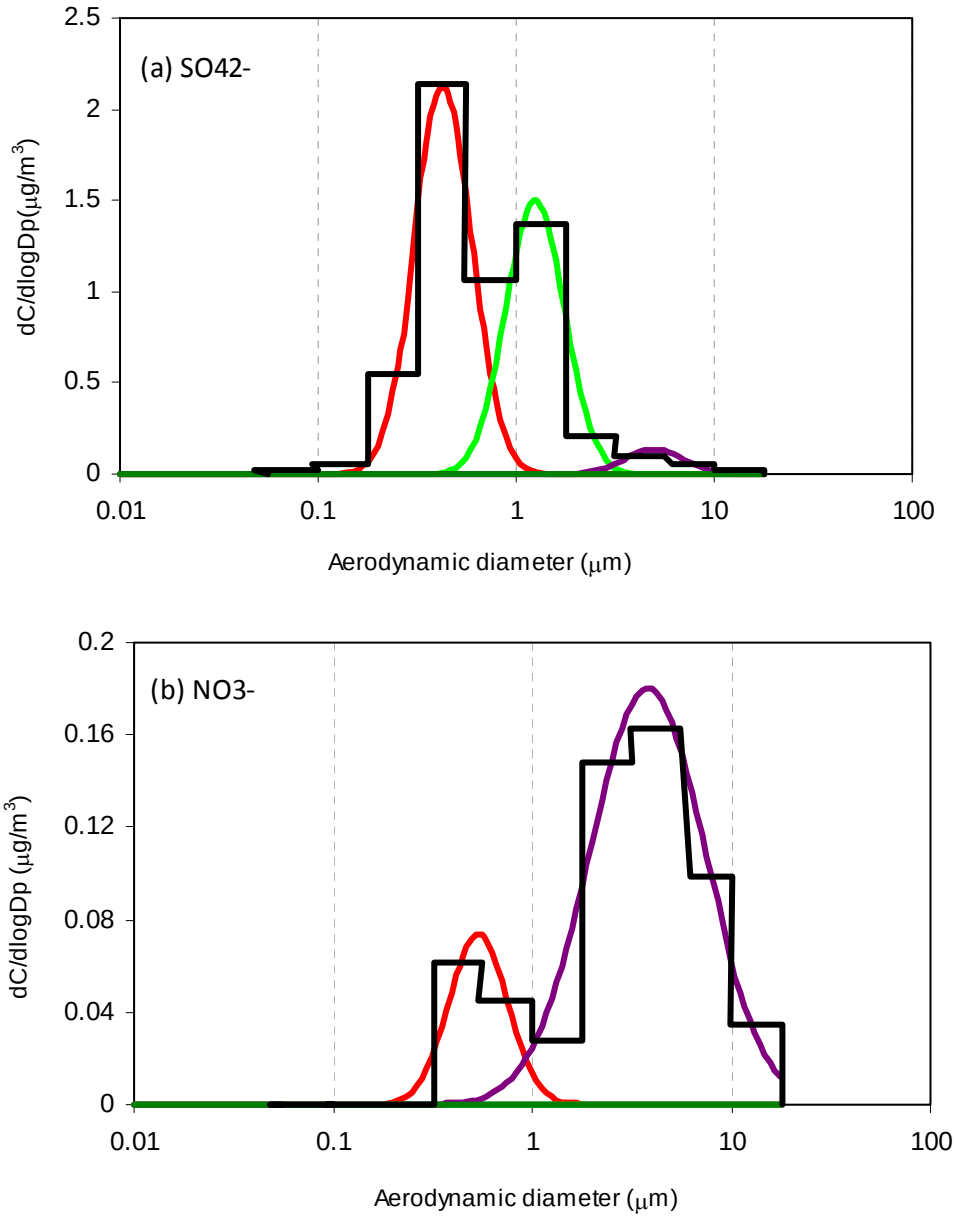



Figure S9 Log-normal-function-fitted size distributions of ionic concentrations during the period from 9:10 on December 9 to 14:20 on December 10, 2004 at SPR