Mapping gaseous amines, ammonia, and their particulate counterparts in marine atmospheres of China’s marginal seas: Part 2 - spatiotemporal heterogeneity, causes and hypothesis

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Figure S1: Map of particulate $\text{NH}_4^+$ in marine atmospheres during three campaigns (a) Campaign B; (b) Campaign A; (c) Campaign C; size distributions of particulate $\text{NH}_4^+$ was superimposed in (c); D2May, D3May, N20May represent the samples collected in daytime on 2nd, 3rd May 2012 and nighttime on 20 May 2012, respectively.
Figure S2: Correlation of $TMA_{gas}$ with ambient temperature (open circle and cross represent the data collected in Campaign B and a particular period of Campaign A, respectively).
Figure S3: Time series of molar ratios of DMA$_{gas}$/NH$_3_{gas}$ (a) and (c) in Campaign B and A; correlation between DMA$_{gas}$/NH$_3_{gas}$ and DMAH$^+$/NH$_4^+$ (b) and (d) in Campaign B and A; map of particulate DMAH$^+$; (e) and size distributions of DMAH$^+$/NH$_4^+$ and mass concentrations of DMAH$^+$; (f) in Campaign C.