Supplement of

Contribution of ship emissions to the concentration and deposition of air pollutants in Europe

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Fig. S1. Annual ship emissions in 2006 a) CO, b) NO\textsubscript{x}, c) PM\textsubscript{2.5}, d) SO\textsubscript{2} (tonnes y\textsuperscript{-1})
Fig. S2. Annual mean surface O$_3$ mixing ratio (ppb) in 2006 (without ships).

Fig. S3. Annual mean PM$_{2.5}$ concentration (µg m$^{-3}$) in 2006 (without ships).
Fig. S4. Dry (left) and wet (right) nitrogen deposition (kg N ha\(^{-1}\) y\(^{-1}\)) in 2006 (without ships).

Fig. S5. Contribution of ship emissions to dry (left) and wet (right) nitrogen deposition in 2006 (%).

Fig. S6. Contribution of ship emissions to NH\(_4\) in 2006 (µg m\(^{-3}\)).
Fig. S7. Dry (left) and wet (right) S deposition (kg S ha\(^{-1}\) y\(^{-1}\)) in 2006 (without ships). Note that the actual scale for dry deposition (left) is ten times higher.

Fig. S8. Contribution of ship emissions to S deposition in 2006 (%).