Supplement of

Simulations of anthropogenic bromoform indicate high emissions at the coast of East Asia

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Figure S1: Seasonal anomaly of sea-air flux for the MODERATE scenario in boreal winter (DJF) and summer (JJA) (in pmol m$^{-2}$ h$^{-1}$). Blue arrows show the seasonal mean surface winds from the forcing data of the simulation time period.
Figure S2: Flight track of the airborne bromoform measurements from the KORUS-AQ campaign in May-June 2016 over South Korea.

Table S1: Average atmospheric mixing ratios [ppt] from Ziska2013+MODERATE and Ziska2013 in the UTLS are given as the mean and the standard deviation over the largest 90 % (referred to as mean values) and over the largest 10 % (referred to as maximum values).

| Scenario               | Atmospheric mixing ratio [ppt] in the UTLS |
|------------------------|-------------------------------------------|
|                        | JJA                  | DJF                  |
|                        | 90 %   | 10 %  | 90 %   | 10 %  |
| Ziska2013+MODERATE     | 0.20 ± 0.07 | 0.38 ± 0.04 | 0.22 ± 0.07 | 0.39 ± 0.04 |
| Ziska2013              | 0.15 ± 0.05 | 0.27 ± 0.03 | 0.18 ± 0.05 | 0.28 ± 0.02 |