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Supplement of

Why do models perform differently on particulate matter over East Asia? A multi-model intercomparison study for MICS-Asia III

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Supplementary Material

Figures

Figure S1

Gas-aerosol partitioning of S in northern EA and central EA

(a) E42 Russia_Listvianka
(b) E43 Russia_Irkutsk
(c) E44 Russia_Primorskaya

Gas-aerosol partitioning of S in eastern EA

(d) E32 Mongolia_Ulaanbaatar
(e) E33 Mongolia_Tereji
(f) E6 China_Hongwen (centra EA)

(g) E15 Japan_Rishiri
(h) E18 Japan_Sado-seki
(i) E19 Japan_Happo

(j) E20 Japan_Ijira
(k) E21 Japan_Oki
(l) E22 Japan_Banryu
Figure S1 Gas-particle conversion of S and N from observation and individual models at EANET sites. The unit is µmole (S or N) m\(^{-3}\). Values are calculated by annual average data.
Figure S2

Figure S2 The inter-model variations of PM and components among models. The 1sd is the 1 standard deviation among models (µg m⁻³). The 1sd% is calculated by dividing 1sd by MMM (%).