


Supplement of Atmos. Chem. Phys., 18, 7815–7825, 2018
<https://doi.org/10.5194/acp-18-7815-2018-supplement>
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Atmospheric
Chemistry
and Physics
Open Access


Supplement of

Radiative absorption enhancement of dust mixed with anthropogenic pollution over East Asia

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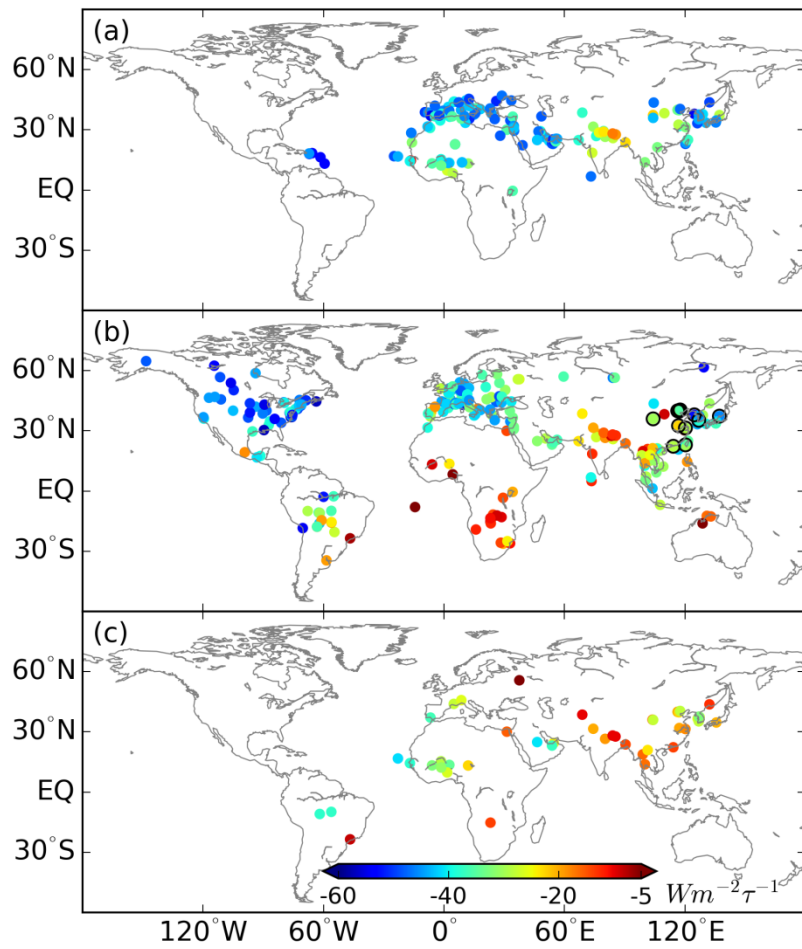
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Table S1 Information of the selected East Asian sites

| Site name | Longitude | Latitude | Sample number | Time period |
|-----------------|-----------|----------|---------------|-------------------|
| Baengnyeong | 124.63 E | 37.97 N | 439 | 2010.08 - 2013.06 |
| Beijing | 116.38 E | 39.98 N | 3624 | 2001.03 - 2015.03 |
| Chen-Kung_Univ | 120.22 E | 23.00 N | 1076 | 2002.03 - 2015.08 |
| Gwangju_GIST | 126.84 E | 35.23 N | 848 | 2004.03 - 2014.11 |
| Hong_Kong_PolyU | 114.18 E | 22.30 N | 335 | 2005.11 - 2015.03 |
| Noto | 137.14 E | 37.33 N | 240 | 2001.04 - 2014.05 |
| SACOL | 104.14 E | 35.96 N | 1445 | 2006.08 - 2012.08 |
| Shouxian | 116.78 E | 32.56 N | 220 | 2008.05 - 2008.12 |
| Taihu | 120.22 E | 31.42 N | 1968 | 2005.09 - 2012.10 |
| XiangHe | 116.96 E | 39.75 N | 3483 | 2001.03 - 2015.08 |
| Xinglong | 117.58 E | 40.40 N | 542 | 2006.02 - 2012.05 |

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26 **Figure S1.** Aerosol radiative efficiency at TOA: (a) dust aerosols, (b) anthropogenic aerosols, and

27 (c) mixed-type aerosols. Black circles represent sites in Table S1.

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