



Corrigendum to “Depolarization ratios retrieved by AERONET sun–sky radiometer data and comparison to depolarization ratios measured with lidar” published in Atmos. Chem. Phys., 17, 6271–6290, 2017

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We have added additional publications (written in Korean) to the list of references of the original publication. In addition, figure captions of the original publication need to be modified to refer to the publications in the Korean journals as written below.

The caption of Fig. 2 should be revised: “Figure 2. Lidar-derived aerosol backscatter coefficient (β_P ; black line), the linear particle depolarization ratio (δ_P^L ; green), and the weighted linear particle depolarization ratio (δ_P^{LW} ; gray) at 532 nm observed (a) from 23:00 to 23:15 UTC on 13 March 2010 (adapted from Fig. 1 in Kim et al., 2016), (b) from 06:00 to 06:15 UTC on 22 March 2010, and (c) from 23:15 to 23:30 on 3 May 2010. The wavelength of δ_P^S is 1020 nm. The height is expressed as altitude above ground level (a.g.l.)”

The caption of Fig. 3 should be revised: “Figure 3. Aerosol optical depth (τ) at 500 nm retrieved from AERONET sun–sky radiometer measurements (black squares) and linear particle depolarization ratio derived at 1020 nm from sun–sky radiometer data (δ_P^S ; blue open circles). (a) Data of the four sites taken from 2010 to 2014; (b) data taken at Seoul for two years (2012 and 2013); (c) data taken at Kongju in spring

2012; (d) data taken at Gosan during 4 years (2011–2014), mostly during spring; and (e) data taken from 201 to 2014 at Osaka. See also Fig. 1 in Lee et al. (2016).”

The caption of Fig. 4 should be revised: “Figure 4. The correlation coefficients R^2 (the coefficient of determination) between δ_P^{CL} at 532 and δ_P^S at 440 (black squares), 675 (red circles), 870 (blue open triangles), and 1020 nm (orange diamonds) at (a) Seoul, (b) Kongju, (c) Gosan, and (d) Osaka. See also Fig. 2 in Lee et al. (2016) and Fig. 2 in Kim et al. (2016).”

The caption of Fig. 8 should be revised: “Figure 8. Average values of the vertical profiles of (a) the particle backscatter coefficient, (b) the linear particle depolarization ratios (δ_P^L), and (c) the weighted linear particle depolarization ratios (δ_P^{LW}) for group 1 (1), group 2 (2), group 3 (3), group 4 (4), group 5 (5), and group 6 (6). The sites are Seoul (red), Kongju (orange), Gosan (blue), and Osaka (black). See also Fig. 3 in Lee et al. (2016).”

The caption of Fig. 9 should be revised: “Figure 9. Average value of the SSA and the volume particle size distributions derived from the AERONET Sun/sky radiometer measurements for each of the 6 groups considered in this study: group 1 (black), group 2 (red), group 3 (blue), group 4 (pink), group 5 (gray), and group 6 (orange). See also Figs. 5 and 6 in Lee et al. (2016).”

The caption of Fig. 10 should be revised: “Figure 10. (a) Linear particle depolarization ratios, (b) single-scattering albedos, and (c) volume particle size distributions derived from sun–sky radiometer observations at Dunhuang. See also Fig. 2 in Shin and Noh (2016).”

References

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