

Supplement of Atmos. Chem. Phys., 17, 5991–6001, 2017
<http://www.atmos-chem-phys.net/17/5991/2017/>
doi:10.5194/acp-17-5991-2017-supplement
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Supplement of

Assessment of cloud-related fine-mode AOD enhancements based on AERONET SDA product

Antti Arola et al.

Correspondence to: Antti Arola (antti.arola@fmi.fi)

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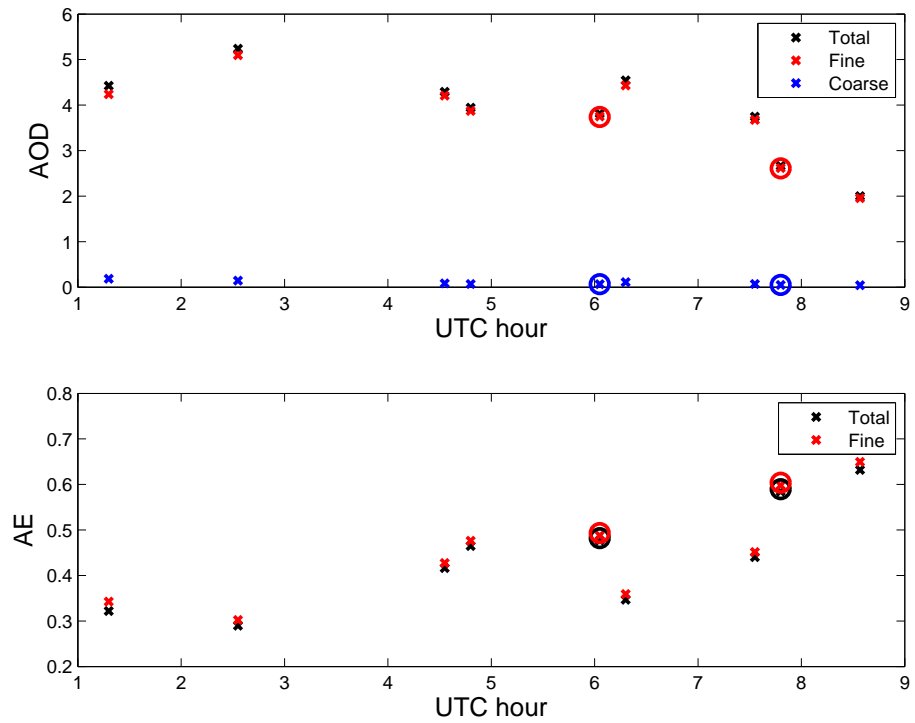


Figure S1: AOD (upper plot) and Angstrom exponent (lower plot) in XiangHe August 10, 2010. Red, blue and black symbols are for fine mode, coarse mode and total, respectively. Level 1 and Level 1.5 measurements are indicated by cross and circle, respectively. This day did not include any measurements in Level 2, since AERONET requires a minimum of 3 points per day in Level 2.

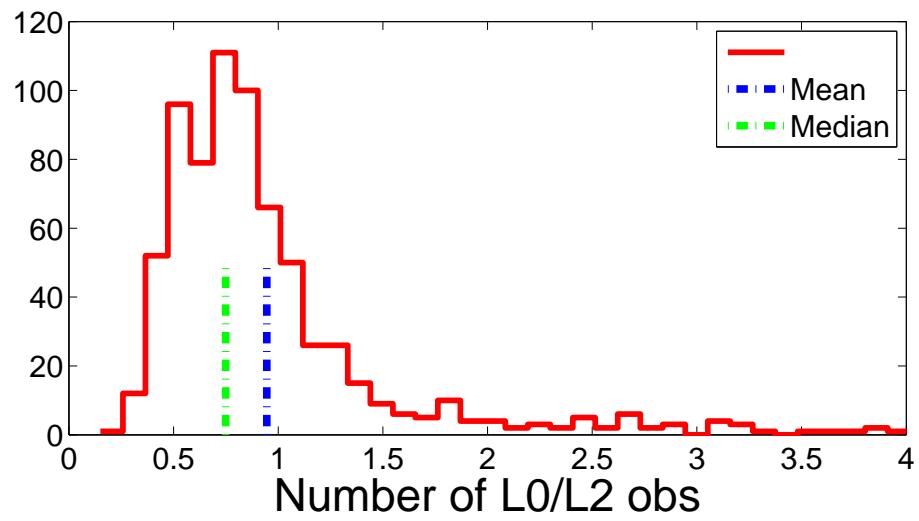


Figure S2: Histogram of the ratio of the number of measurements in L0 to L2 data sets of all included AERONET sites.

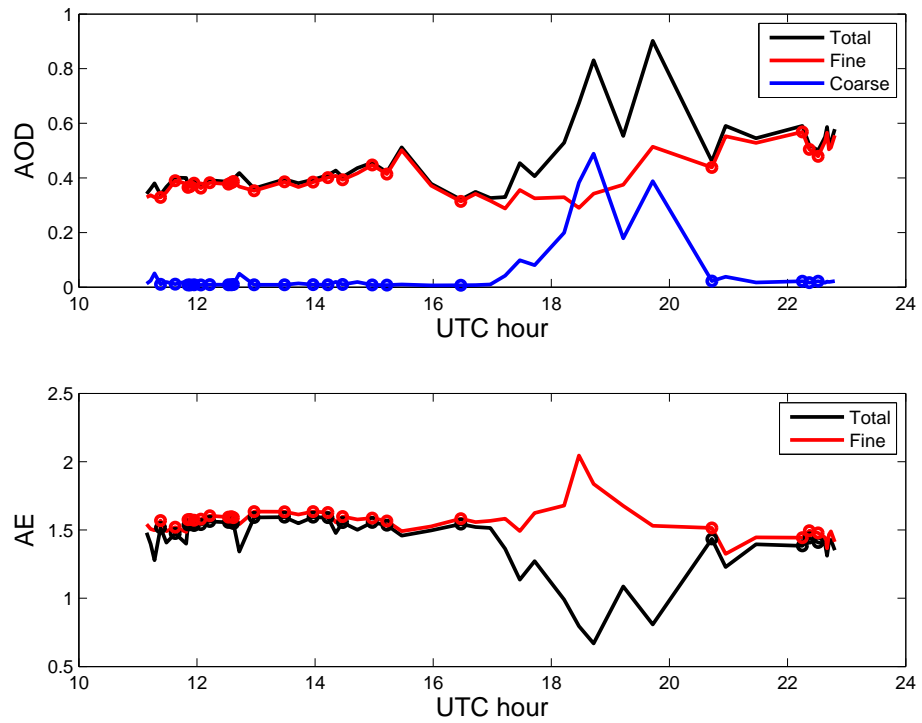


Figure S3: AOD (upper plot) and Angstrom exponent (lower plot) in GSFC August 11, 2010. Red, blue and black symbols/lines are for fine mode, coarse mode and total, respectively. Level 1 and Level 2 measurements are indicated by cross and circle, respectively.

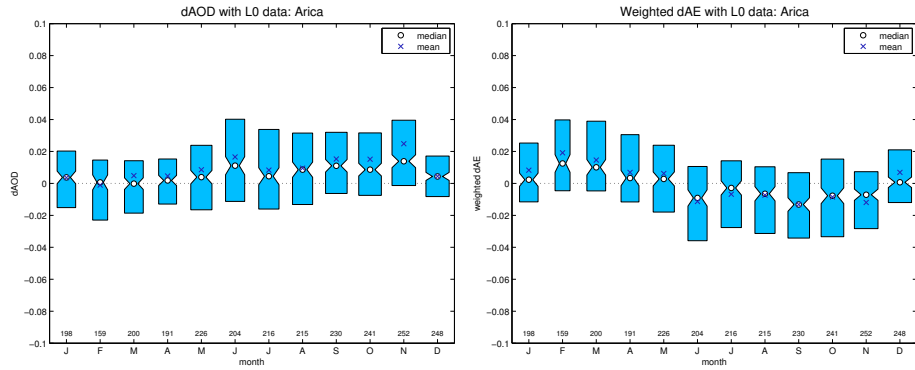


Figure S4: Monthly $dAOD$ and dAE (difference in L0 AE and L2 AE) for Arica, Chile.

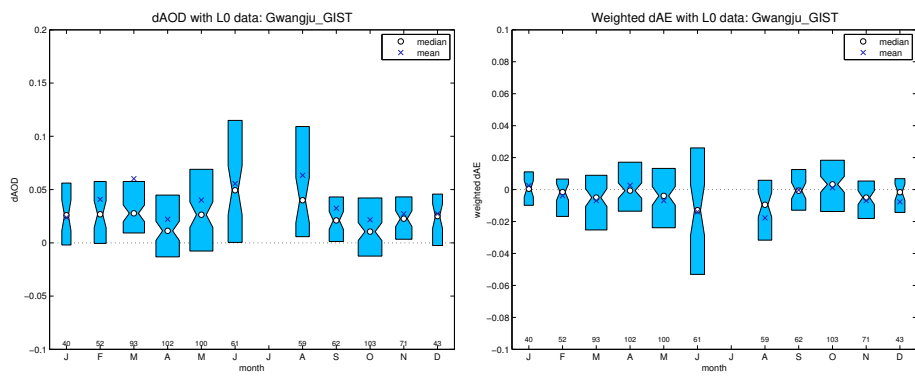


Figure S5: Similar to Figure S3, but for Gwangju GIST, South Korea.

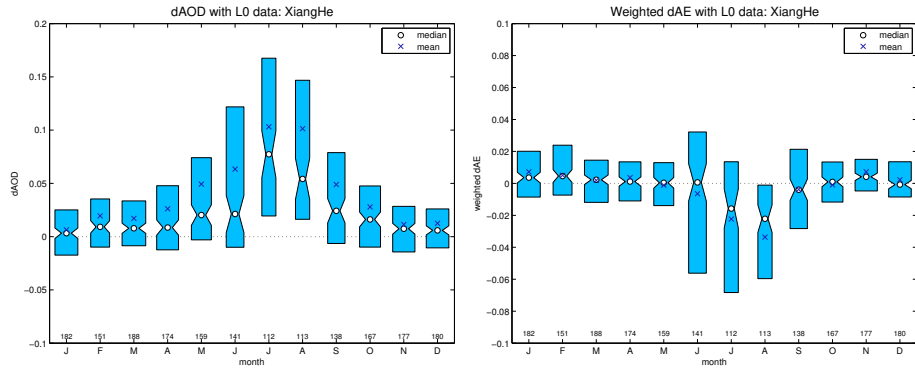


Figure S6: Similar to Figure S3, but for XiangHe, China.

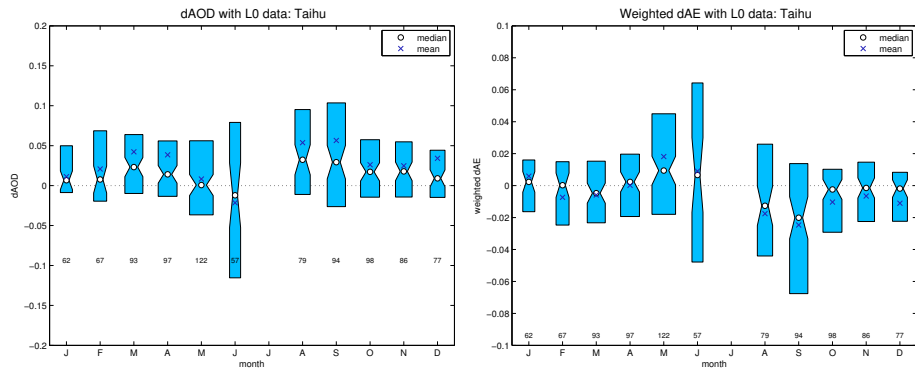


Figure S7: Similar to Figure S3, but for Taihu, China.