Supplementary Information for

Retrieval of aerosol optical properties over Beijing: a comparison between SKYNET and AERONET

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Figure S1 to S4

Supplementary Figure captions:

Figure S1: Comparison of SSA values retrieved from SKYNET (SR-CEReS) with SSA values retrieved after adjusting the SVA by a 1% step size at the 400-, 500- and 670-nm channels. Panels (a1–a3) and (b1–b3) show the decreases and increases in the SVA, respectively.

Figure S2: Comparison of SSA values retrieved from SKYNET (SR-CEReS) with SSA values retrieved after adjusting the SA by a 0.01 step size at the 400-, 500- and 670-nm channels. Panels (a1–a3) and (b1–b3) show the decreases and increases in the SA, respectively.

Figure S3: Daily averaged wind fields at (a) 850 hpa and (b) the surface in Beijing from 27 December 2016 to 9 January 2017 based on the ERA-Interim data.

Figure S4: Vertical variation of aerosol subtypes from the CALIPSO satellite products on 30 December 2016.
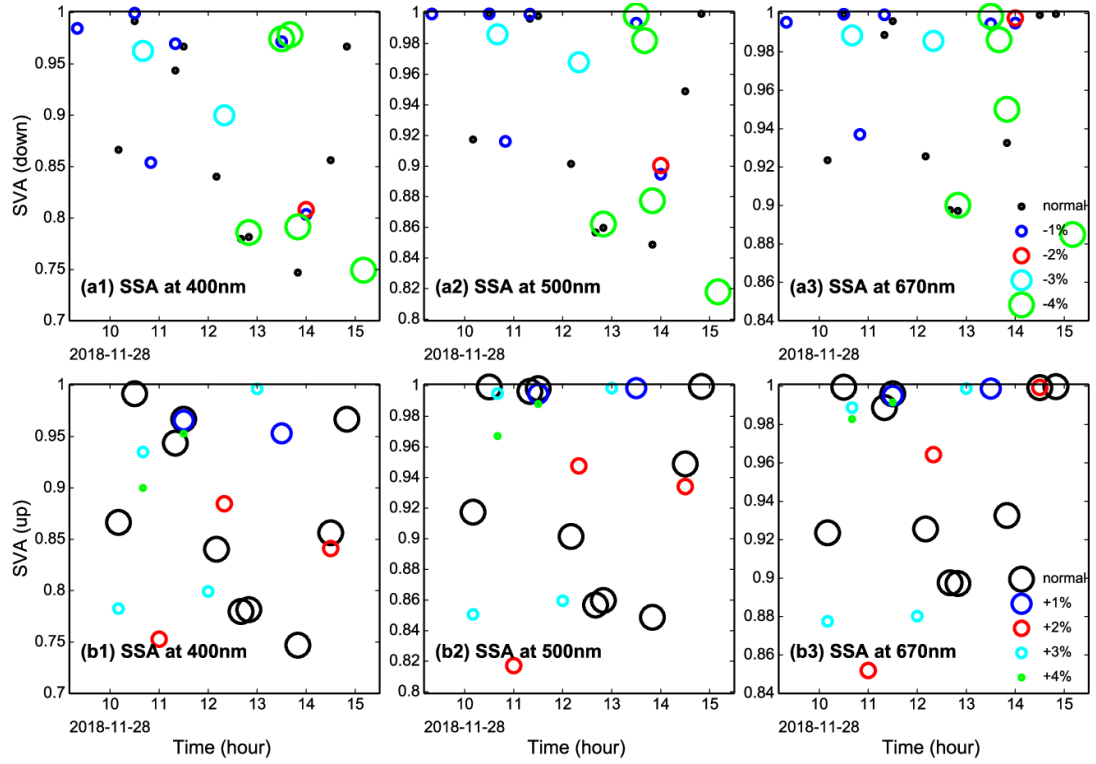
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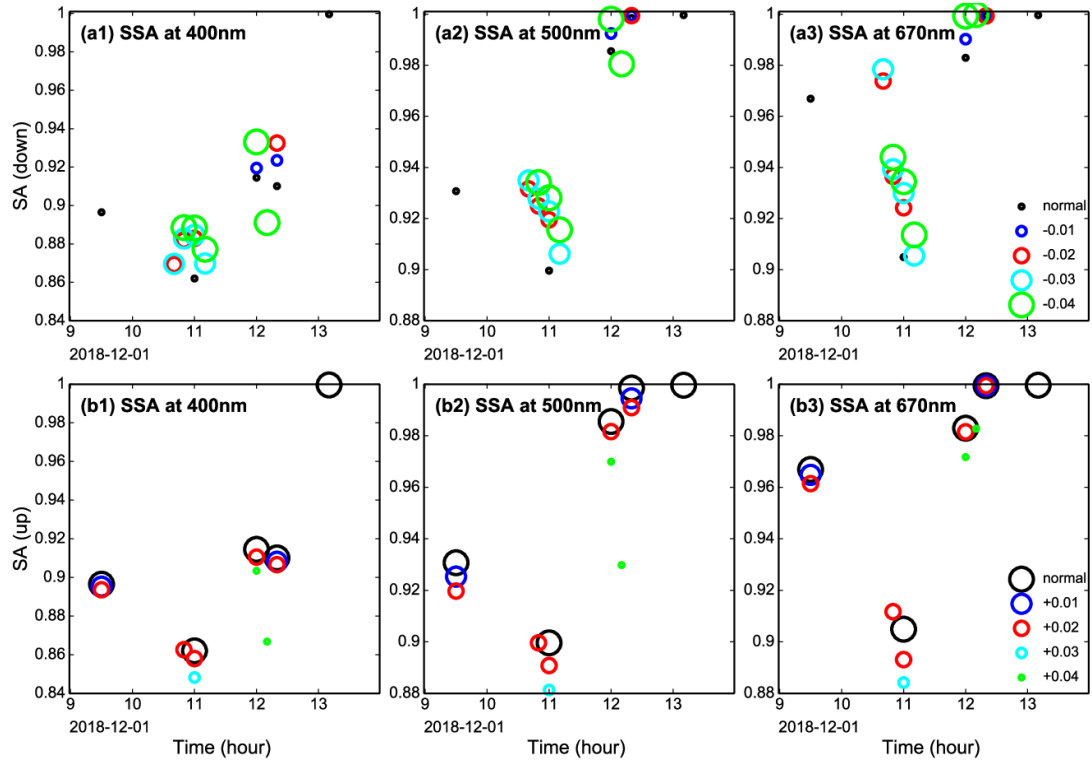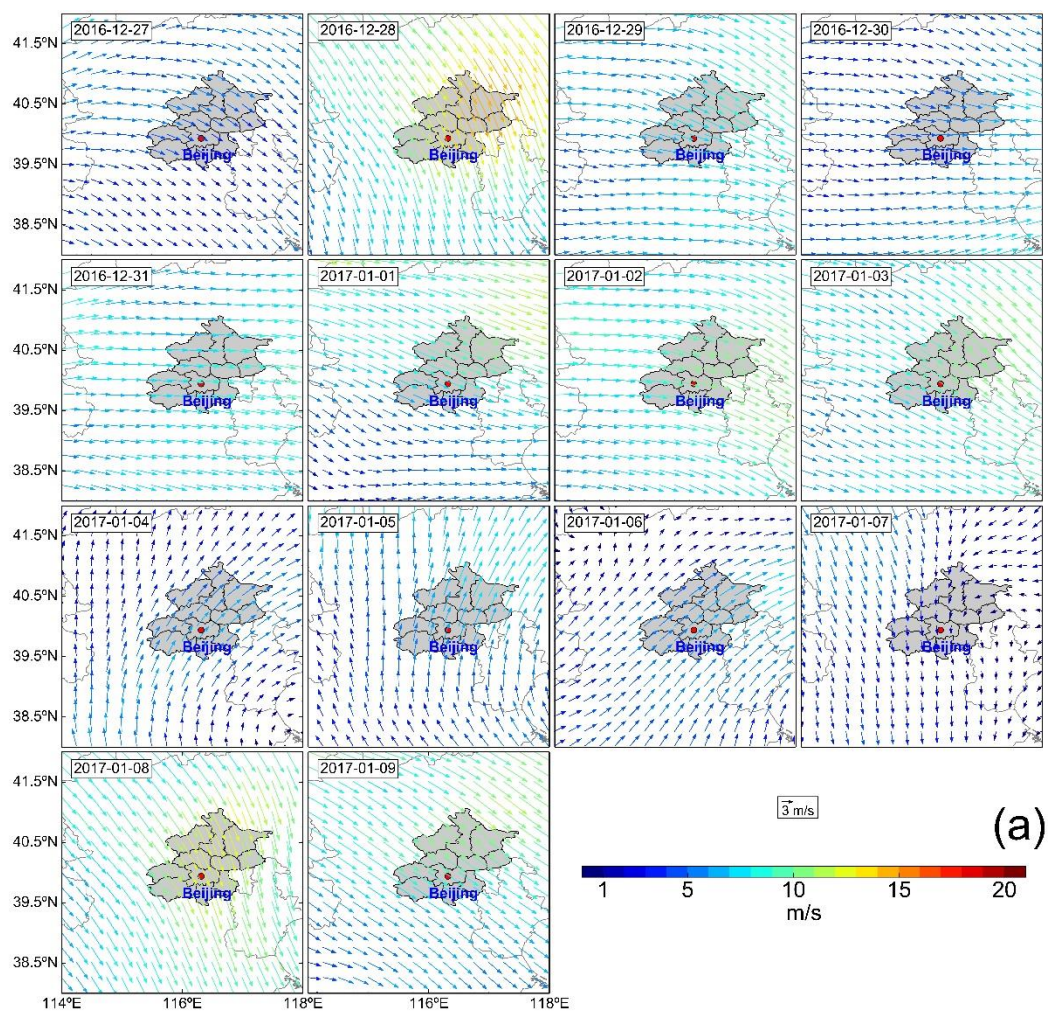
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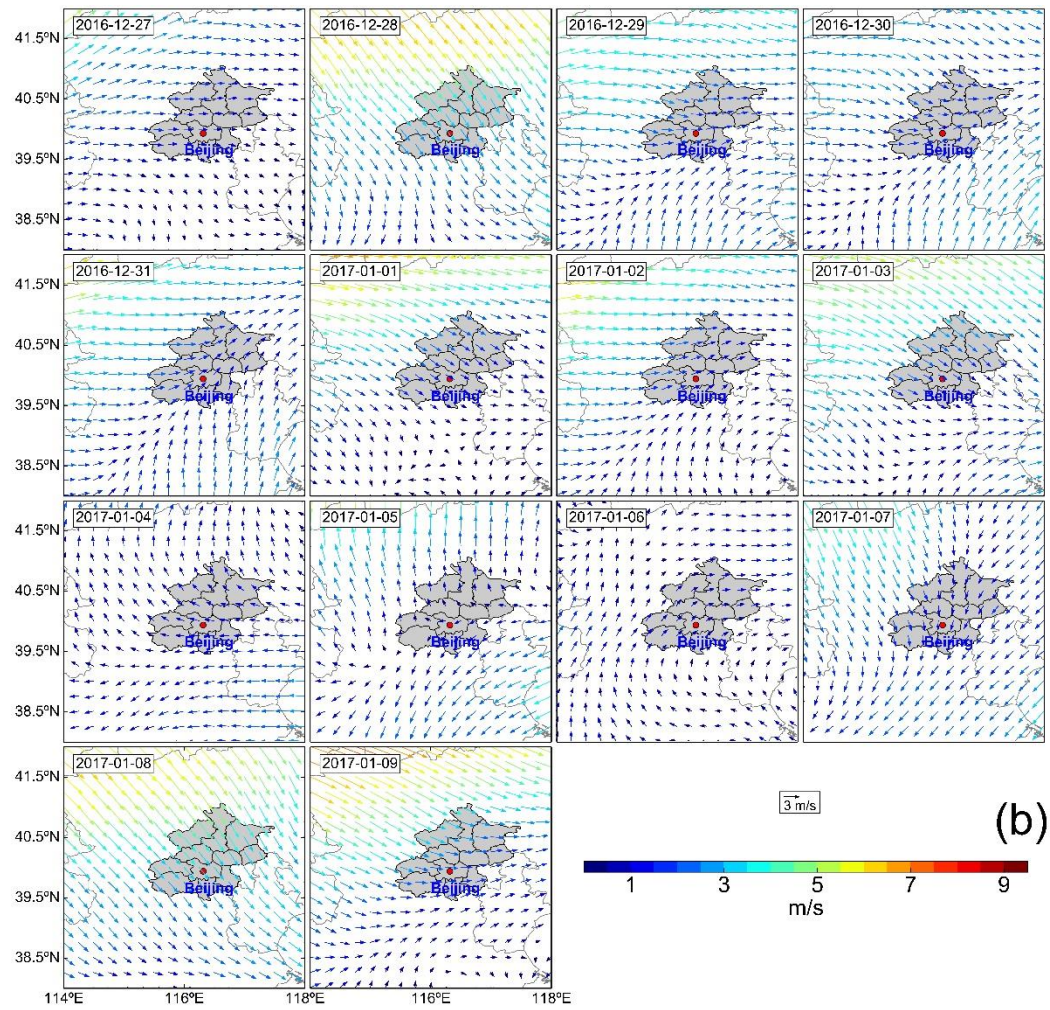
(a)

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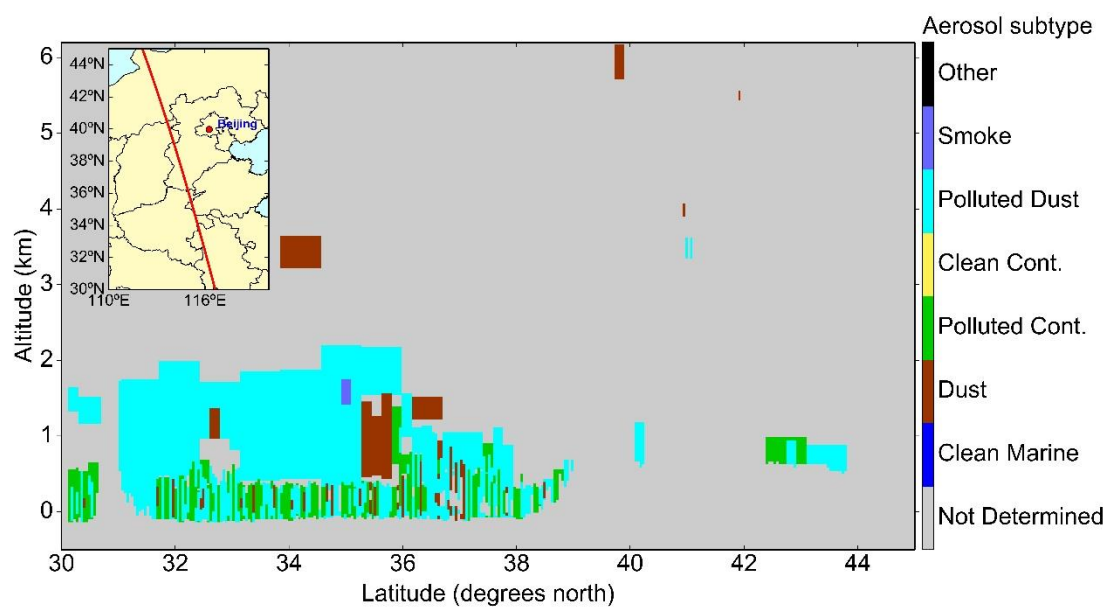
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