



Supplement of

The impact of aerosols on photolysis frequencies and ozone production in Beijing during the 4-year period 2012–2015

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Supporting information

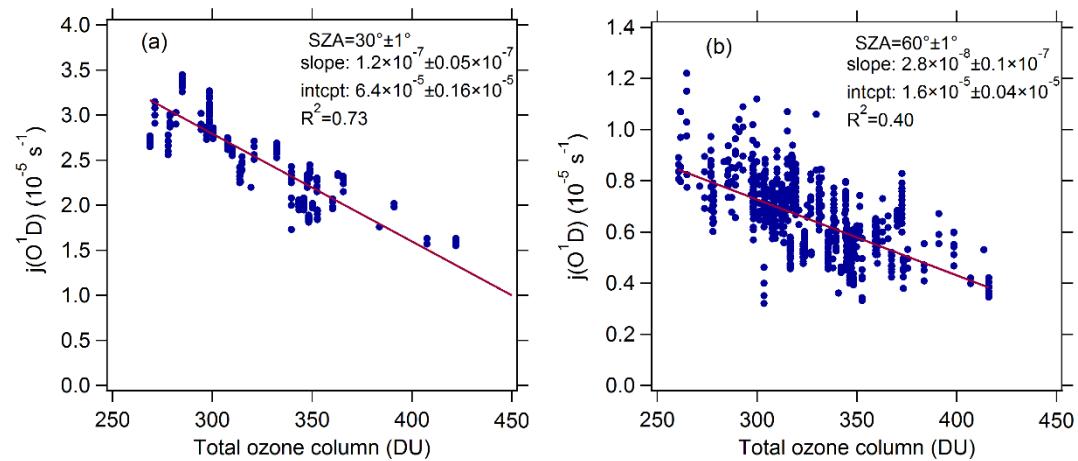


Figure S1. Dependence of $j(O^1D)$ on AOD (380nm) at low AOD level (AOD<0.3) and SZA of (a) $30^\circ \pm 1^\circ$ and (b) $60^\circ \pm 1^\circ$, respectively.

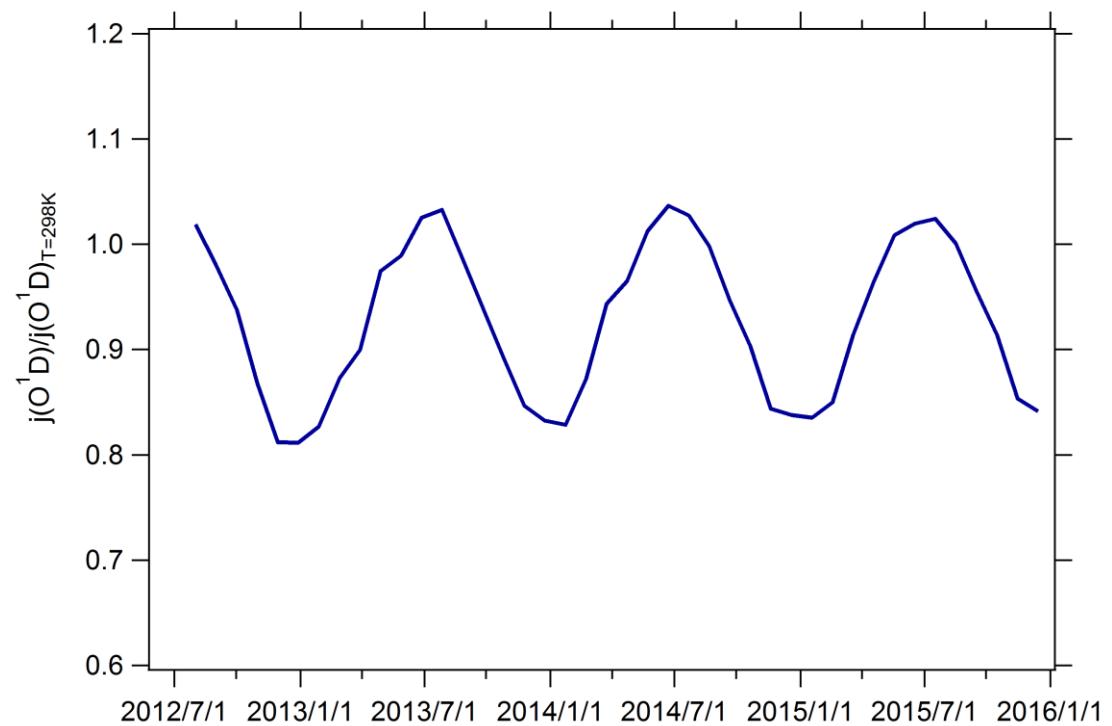


Figure S2. The time series of the monthly mean ratio of $j(O^1D)$ to $j(O^1D)_{T=298K}$ ($j(O^1D)/j(O^1D)_{T=298K}$) from August 2012 to December 2015.

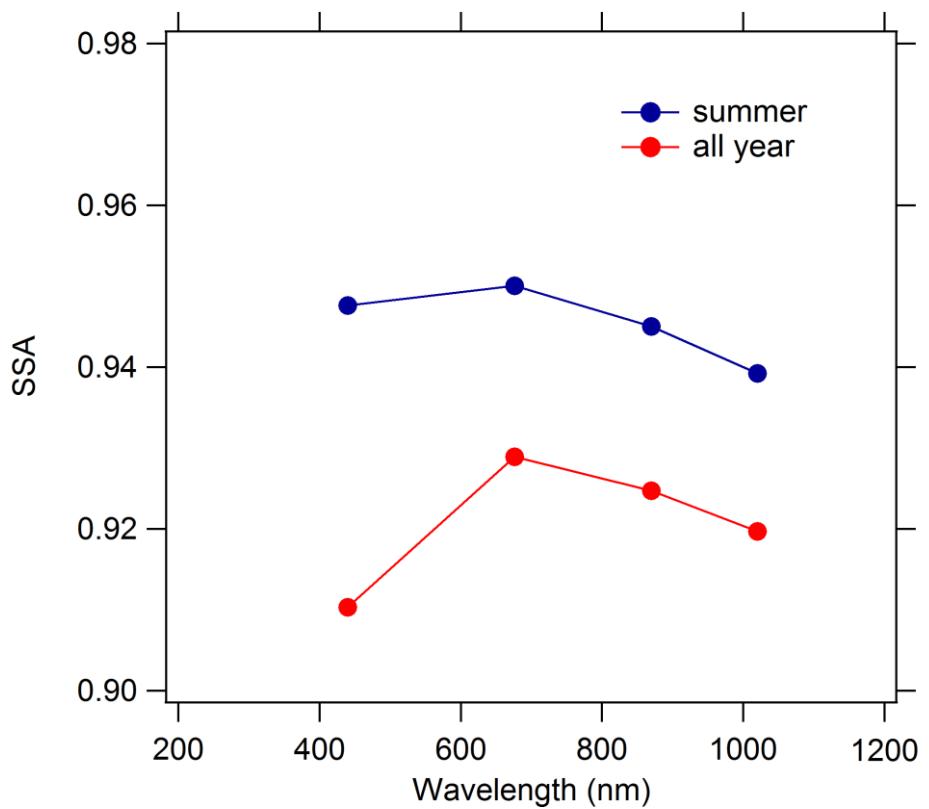


Figure S3. The dependence of AERONET based SSA on wavelength.

Table S1. The seasonal mean AOD and SSA of AERONET.

Seasons	Spring	Summer	Autumn	Winter
AOD	0.83 ± 0.72	0.99 ± 0.90	0.59 ± 0.70	0.47 ± 0.47
SSA	0.91 ± 0.03	0.94 ± 0.02	0.91 ± 0.03	0.88 ± 0.03