

## Supplementary file

Article

# Multi-Time SCALE Analysis of Regional Aerosol Optical Depth Changes in National-Level Urban Agglomerations in China Using MODIS Collection 6.1 Datasets from 2001 to 2017

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**Table S1.** Statistics of the site-level comparisons between MODIS Collection 6.1 DTDB AOD products and AERONET observations in China.

AERONET Sites	N <sup>a</sup>	Mean (A/M <sup>b</sup> )	Slope	Offset	Within EE <sup>c</sup> (%)
Beijing	2324	0.54/0.61	0.91	0.12	59
Beijing-CAMS	746	0.44/0.57	0.97	0.14	44
Beijing_RADI	122	0.53/0.60	0.92	0.11	67
Chen-Kung_Univ	481	0.57/0.62	0.84	0.15	54
Chiayi	258	0.50/0.51	0.88	0.07	67
Douliu	73	0.50/0.57	0.77	0.18	41
EPA-NCU	383	0.38/0.38	0.79	0.08	66
Hangzhou_City	38	0.66/0.84	0.96	0.21	39
Hefei	59	0.60/0.75	1.31	-0.03	53
Heng-Chun	12	0.29/0.36	1.32	-0.02	50
Hong_Kong_Hok_Tsui	8	0.41/0.38	0.91	-0.00	88
Hong_Kong_PolyU	164	0.41/0.40	1.02	-0.02	80
Hong_Kong_Sheung	36	0.48/0.52	1.03	0.02	67
Lanzhou_City	40	0.89/0.34	0.23	0.14	5
Lulin	527	0.06/0.15	1.14	0.08	30
NAM_CO	24	0.05/0.10	0.45	0.08	54
NCU_Taiwan	321	0.39/0.36	0.59	0.13	66
NUIST	72	0.80/0.95	1.00	0.15	39
QOMS_CAS	197	0.04/0.08	-0.01	0.08	64
Qiandaohu	35	0.68/0.63	0.81	0.08	86
SACOL	871	0.34/0.38	0.78	0.11	65
Shouxian	51	0.66/0.73	0.93	0.12	63
Taihu	493	0.60/0.81	1.03	0.20	30
Taipei_CWB	407	0.39/0.30	0.63	0.05	60
XiangHe	2095	0.60/0.69	1.00	0.09	60
Xinglong	631	0.24/0.27	1.14	-0.00	76
Yulin	183	0.37/0.26	0.82	-0.05	37
Zhongshan_Univ	26	0.62/0.70	1.03	0.06	62

<sup>a</sup> N = number of collocations; <sup>b</sup> A = AERONET AOD and M = Collection 6.1 DTDB AOD; <sup>c</sup> EE = expected error,  $\pm (0.05 + 0.15AOD)$ .