

Location	Coordinates	Period	$\sigma_{\text{sp}} (\lambda)$ Mm ⁻¹ (nm)	$\sigma_{\text{ap}} (\lambda)$ Mm ⁻¹ (nm)	SSA (λ) (nm)	Instruments	Reference	
YRD								
Nanjing	32.1° N, 118.9° E	2013/06–2015/05	403(520)	26.1(520)	0.93(520)	Aurora-3000	AE31	This work
Nanjing	32.2° N, 118.7° E	2011/3–2011/4	329(550)	28.1(532)	0.89(532)	TSI3563	PASS	Yu et al. (2016)
Nanjing	32.05° N, 118.78° E	2014/3–2016/2	338(550)	29.6(550)	0.901(550)	Aurora-3000	AE31	Zhuang et al. (2017)
Lin'an	30.17° N, 119.45° E	1999/11	353(530)	23(565)	0.93	Radiance Res.	PSAP	Xu et al. (2002)
Nanjing	32.2° N, 118.7° E	2012/8–2012/9	186(532)	23.9(532)	0.88(532)	PASS	PASS	Cui et al. (2016)
Shanghai	31°18' N, 121°29' E	2010/12–2012/10	217(525)	38(532)	0.83(532)	Aurora-1000	AE31	Cheng et al. (2015)
Shanghai	31°18' N, 121°29' E	2010/12–2011/3	293(532)	66(532)	0.81(532)	M9003	AE31	Xu et al. (2012)
PRD								
Guangzhou	23°00' N, 113°21' E	2004–2007	358(525)	82(532)	0.81(525)	M9003	PAS	Wu et al. (2009)
Xinken	22.6° N, 113.6° E	2004/10	333(550)	70(550)	0.83(550)	TSI3563	MAAP	Cheng et al. (2008)
Hongkong	22.22° N, 114.25° E	2012/02–2015/02	150.6(550)	8.3(550)	0.93(550)	TSI3563	AE31	Wang et al. (2017)
Guangzhou	23.55° N, 113.07° E	2006/07	200(550)	42.5(532)	0.83(532)	TSI3563	PAS	Garland et al. (2008)
NCP								
Shangdianzi	40°39' N, 117°07' E	2013/4–2015/1	174.6(525)	17.5(525)	0.88(525)	M9003	AE31	Yan et al. (2008)
Beijing	39.51° N, 116.31° E	2006/08	361(550)	51.8(532)	0.86(532)	TSI3563	PAS	Garland et al. (2009)
Beijing	39°59' N, 116°19' E	2005/1–2006/12	288(525)	56(525)	0.8(525)	M9003	AE16	He et al. (2009)
Tongyu	44.56° N, 122.92° E	2010/spring	89.22(520)	7.61(520)	0.9(520)	Aurora-3000	AE31	Wu et al. (2012)
		2011/spring	85.34(520)	7.01(520)	0.9(520)			
Wuqing	39°23' N, 117°01' E	2009/spring	280(550)	47(637)	0.82(637)	TSI3563	MAAP	Ma et al. (2011)
		2009/summer	379(550)	43(637)	0.86(637)			
Worldwide								
Delhi	28°37' N, 77°12' E	2011/12–2012/3	1027(500)	86(500)	0.93(500)	TSI3563	AE31	Tiwari et al. (2015)
Amazonia	2°36' S, 60°13' E	2008–2011	21(550)	2.3(637)	0.86(637)	TSI3563	MAAP	Rizzo et al. (2013)
BND, US	40.0° N, 88.4° W	2010–2013	32.9(550)	2.51(550)	0.917(550)	TSI3563	PSAP	Sherman et al. (2015)
SGP, US	36.6° N, 97.5° W	2010–2013	25.1(550)	1.95(550)	0.913(550)	TSI3563	PSAP	
Granada, Spain	37.16° N, 3.58° W	2005/12–2007/11	60(550)	21(637)	0.68(637)	TSI3563	MAAP	Lyamani et al. (2010)
SMEAR II, FIN	61°51' N, 24°18' E	2006/10–2009/05	18(550)	2.1(550)	0.86(550)	TSI3563	AE31	Virkkula et al. (2011)