

Observation	Instrumentation	Model & manufacturer	Accuracy
Meteorological elements	Weather transmitter	WXT520, Vaisala, Helsinki, Finland	$T: \pm 0.3$; RH: 0.1 %; $P: 0.1$ hPa; WS: 0.1 m s^{-1} ; WD: 1°
PM _{2.5} concentration	Ambient particulate monitor	RP1400a, R&P Corp., Albany, NY, USA	$0.1 \mu\text{g m}^{-3}$
Aerosol total scattering/backscattering coefficient	Integrating nephelometer	TSI 3563, TSI Inc., Shoreview, MN, USA	0.44, 0.17, and 0.26 Mm^{-1} at the wavelengths of 450, 550, and 700 nm, respectively
Aerosol absorption coefficient	Multi-angle absorption photometer	MAAP 5012, Thermo Scientific, Waltham, MA, USA	0.66 Mm^{-1}
Aerosol size distribution	Aerodynamic particle sizer	APS 3321, TSI Inc., Shoreview, MN, USA	0.001 cm^{-3}