

Station code and location	Latitude longitude elevation	scattering instrument(s) [size cut]	Co-located absorption photometer instrument(s) [size cut]	Aethalometer model(s) [size cut]	RH of sample
ALT Alert, Canada	82.49915° N 62.34153° W 210 m a.s.l.	2004–present: nephelometer 3563 ¹ [10 µm]	2004–2010: PSAP-1W ³ 2007–present: PSAP-3W ⁵ [10 µm]	1989–2009: Aethalometer AE6 ⁸ 2008–present: Aethalometer AE31 ¹⁰ [none]	< 40 %
BRW Barrow, Alaska	71.32301° N 156.6115° W 11 m a.s.l.	1976–1997: nephelometer 1559B ² 1997–present: nephelometer 3563 ¹ [10 µm]	1997–2006: PSAP-1W ³ 2006–present: PSAP-3W ⁵ 2011–present: CLAP ⁶ [10 µm]	1988–2002: Aethalometer AE8 ⁹ 2010–present: Aethalometer AE31 ¹⁰ [10 µm] 2014–present: Aethalometer AE33 ¹¹	< 40 %
PAL Pallas, Finland	67.97361° N 24.11583° E 560 m a.s.l.	2000–present: nephelometer 3563 ¹ [2.5 µm]	2007–present: MAAP ⁷ [2.5 µm]	2005–present: Aethalometer AE31 ¹⁰ [none]	< 40 %
SUM Summit, Greenland	72.58000° N 38.48000° W 3238 m a.s.l.	2011–present: nephelometer 3563 ¹ [2.5 µm]	2011–present: CLAP ⁶ [2.5 µm]	2003–present: Aethalometer AE16 ¹² [2.5 µm] 2014–present: Aethalometer AE33 ¹¹	< 40 %
TIK Tiksi, Russia	71.58617° N 128.91882° E 8 m a.s.l.	2013–present: nephelometer 3563 ¹ [10 µm]	2013–present: MAAP ⁷ [10 µm]	2009–present: Aethalometer AE31 ¹⁰ [10 µm]	< 30 %
ZEP Zeppelin Mountain, Ny-Ålesund, Norway	78.90669° N 11.88934° E 475 m a.s.l.	2010–present: nephelometer 3563 ¹ [none]	2002–present: PSAP-1W ⁴ [none]	2005–present: Aethalometer AE31 ¹⁰ [none]	< 20 %