



Supplement of

Impacts of post-depositional processing on nitrate isotopes in the snow and the overlying atmosphere at Summit, Greenland

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Table S1. Compiled atmospheric nitrate concentration data at Summit, Greenland.

Year	Month	type	Conc (ng m ⁻³ STP ^a)	Reference
1991	7-8	denuder	38 ± 53	Silvente and Legrand, 1993
1993	6-7	Mist chamber	55 ± 37	Dibb et al., 1994
1993	5-7	Teflon Zefluor filter	26 ± 2.9	Bergin et al., 1995
1994	5-8	Mist chamber	32 ± 37	Dibb et al., 1994
1995	4-7	Mist chamber	27 ± 32	Dibb et al., 1998
2001-2002	annual	glass fiber filters	19.9 ± 19.1	This work
2006	4-6	Mist chamber	192 and 217 ^b	Jarvis et al., 2009
2010	5-6	Mist chamber	32	Fibiger et al., 2016
2011	5-6	Mist chamber	42	Fibiger et al., 2016

^aUnit conversion from ng m⁻³ STP to pptv: 1 ng m⁻³ STP = 0.36 pptv.

^bReported values represent the average in April and May/June 2006 according to Jarvis et al. (2009).

Reference

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