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Review

A Study of Chemical Processes of Nitrate in Atmospheric Aerosol and Snow Based on Stable Isotopes

Mengxue Chen [1,2], Hewen Niu [1,2,*] and Yankun Xiang [3]

[1] State Key Laboratory of Cryospheric Sciences/National Field Science Observation and Research Station of Yulong Snow Mountain Cryosphere and Sustainable Development, Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, Lanzhou 730000, China
[2] University of Chinese Academy of Sciences (UCAS), Beijing 10049, China
[3] Nanjing Meteorological Bureau in Jiangsu Province, Nanjing 210019, China
* Correspondence: niuhw@lzb.ac.cn

Table S1. Summary of values of $\Delta^{17}O(NO_x)$, $\delta^{18}O(NO_x)$, and $\delta^{15}N(NO_x)$ in Antarctic snow.

Sampling sites	Latitude-longitude	Sampling time	$\delta^{18}O$/‰	$\Delta^{17}O$ /‰	$\delta^{15}N$/‰	Sample types	References
Antarctica	66.7°S 139.83°E	2000-2008	101±3	41±1	49±5	snow	[99]
Antarctica	67.41°S 138.62°E	2000-2008	94±8	44±2	40±5	snow	[99]
Antarctica	67.91°S 136.7°E	2000-2008	92±4	35±1	15±4	snow	[99]
Antarctica	68.53°S 135.24°E	2000-2008	72±8	30±2	8±5	snow	[99]
Antarctica	69.31°S 134.33°E	2000-2008	93±3	37±1	34±4	snow	[99]
Antarctica	70.25°S 134.1°E	2000-2008	69±5	30±1	38±5	snow	[99]
Antarctica	71.61°S 132.99°E	2000-2008	66±6	29±1	37±3	snow	[99]
Antarctica	71.53°S 132.84°E	2000-2008	53±6	26±2	72±21	snow	[99]
Antarctica	72.32°S 130.47°E	2000-2008	49±5	27±1	99±11	snow	[99]
Antarctica	73.99°S 128.71°E	2000-2008	44±9	29±2	147±21	snow	[99]
Antarctica	73.84°S 126.91°E	2000-2008	40±5	23±2	138±22	snow	[99]
Antarctica	74.71°S 124.55°E	2000-2008	32±3	28±1	330±12	snow	[99]
Antarctica	75.1°S 123.35°E	2000-2008 N.D.		N.D.	151±21	snow	[99]

Antarctica	75.1°S 123.35°E	2000-2008	29±3	23±1	334±23	snow	[99]
Antarctica	75.1°S 123.35°E	2000-2008	27±5	28±2	305±28	snow	[99]
Antarctica	75.1°S 123.35°E	2000-2008	26±3	27±1	302±20	snow	[99]
Antarctica	75.1°S 123.35°E	2000-2008	28±5	26±1	276±17	snow	[99]
Antarctica	75.72°S 120.23°E	2000-2008	12±5	19±2	288±25	snow	[99]
Antarctica	76.84°S 112.99°E	2000-2008	24±9	20±2	302±22	snow	[99]
Antarctica	77.6779S 110.55E	2000-2008	20±6	19±1	338±25	snow	[99]
Antarctica	78.47°S 106.8°E	2000-2008	32±7	26±1	255±27	snow	[99]
Antarctica	78.47°S 106.8°E	2000-2008	24±5	28±1	366±16	snow	[99]
Antarctica	78.47°S 106.8°E	2000-2008	24±8	21±2	307±31	snow	[99]
Antarctica	70°S 42.4°E	2012	69.1	27.4	20.6	snow	[113]
Antarctica	70.7°S 44.3°E	2012	66.1	26.9	25.7	snow	[113]
Antarctica	72.2°S 44.3°E	2012	N.D.	N.D.	N.D.	snow	[113]
Antarctica	73.1°S 42.9°E	2012	55.4	24.1	41.1	snow	[113]
Antarctica	74.1°S 43°E	2012	N.D.	N.D.	N.D.	snow	[113]
Antarctica	76°S 41.1°E	2012	68.8	31.9	83.5	snow	[113]
Antarctica	77.3°S 39.7°E	2012	51.3	29.4	127.3	snow	[113]
Antarctica	77.8°S 39.1°E	2012	44	24.9	111.7	snow	[113]
Antarctica	79.4°S 40.5°E	2012	37.5	24.5	165.5	snow	[113]
Antarctica	80°S 40.5°E	2013	37.7	20.3	90.7	snow	[113]
Antarctica	77.4°S 41.5°E	2013	19.8	13.2	74.3	snow	[113]
Antarctica	77.3°S 39.7°E	2013	25	18.7	118.6	snow	[113]
Antarctica	69°S 40.7°E	2016	75.8	28.2	-19	snow	[113]
Antarctica	69.1°S 40.9°E	2016	85.5	30.8	-6.6	snow	[113]
Antarctica	69.2°S 41.1°E	2016	82.3	28.8	-14.5	snow	[113]
Antarctica	69.3°S 41.2°E	2016	83.7	30.3	-19.4	snow	[113]
Antarctica	69.3°S 41.4°E	2016	77.8	30	-6.4	snow	[113]
Antarctica	69.4°S 41.6°E	2016	91	34.5	14.1	snow	[113]
Antarctica	21.4°S112.9°E	2012–2013	73.4	25	-6.7	snow	[81]
Antarctica	27.2°S 113.4°E	2012–2013	74.2	25.6	-5.4	snow	[81]
Antarctica	31°S 115°E	2012–2013	71.4	25.2	-5.6	snow	[81]

Antarctica	32°S 115.7°E	2012–2013	55.3	21	-2.1	snow	[81]
Antarctica	34.1°S 115.1°E	2012–2013	67.1	23.8	-4.2	snow	[81]
Antarctica	38.5°S 113.4°E	2012–2013	74.1	23.9	-5.1	snow	[81]
Antarctica	43.6°S 111.9°E	2012–2013	83.7	30.4	-14.7	snow	[81]
Antarctica	41.4°S 91.5°E	2012–2013	75.5	27.1	-10.9	snow	[81]
Antarctica	35.7°S 103.5°E	2012–2013	73.4	26.4	-5.9	snow	[81]
Antarctica	32.8°S 112.8°E	2012–2013	59.3	22.8	-9.8	snow	[81]

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