

	Regions	Plateau	Coastal Indian	Weddell Sea	Peninsula	West Antarctic Ice Sheet	Victoria Land	Dronning Maud Land
Time-averaged values	Precipitation (in cm w.e. yr <sup>-1</sup> )	6.7	40.7	9.0	68.8	25.9	14.1	24.3
	Temperature (in °C)	-39.8	-20.1	-29.3	-14.2	-24.2	-27.7	-19.7
	δ <sup>18</sup> O (in ‰)	-42.3	-24.3	-30.6	-18.9	-26.6	-28.8	-25.2
	d (in ‰)	6.9	4.7	3.6	3.1	3.3	3.3	3.8
Inter-annual standard deviation	Precipitation (in cm w.e. y <sup>-1</sup> )	0.6	4.2	1.6	9.0	2.5	2.4	3.3
	Temperature (in °C)	0.5	0.7	0.8	0.9	0.7	0.7	0.5
	δ <sup>18</sup> O (in ‰)	0.6	0.4	0.8	0.4	0.7	0.9	0.4
	d (in ‰)	0.4	0.4	0.4	0.2	0.4	0.5	0.5
Mean seasonal amplitude	Precipitation (in cm w.e. yr <sup>-1</sup> )	5.2	28.4	7.2	45.0	19.2	12.2	19.3
	Temperature (in °C)	23.9	16.5	24.2	17.8	21.7	24.4	18.1
	δ <sup>18</sup> O (in ‰)	10.9	4.4	12.2	4.1	8.8	10.7	7.3
	d (in ‰)	7.3	4.3	4.7	2.5	4.1	5.1	4.2
Inter-annual δ <sup>18</sup> O–temperature relationship	<i>a</i>	0.7	0.2	0.3	0.1	0.6	0.6	0.4
	<i>r</i>	0.6	0.4	0.3	0.3	0.6	0.5	0.4
	<i>p</i> value	$5.9 \times 10^{-5}$	$8.5 \times 10^{-3}$	$4.5 \times 10^{-2}$	$6.5 \times 10^{-2}$	$1.9 \times 10^{-4}$	$2.7 \times 10^{-3}$	$2.2 \times 10^{-2}$