

		25 sites			All grid-cells	
		Obs.	Model		Model	
Season		140 km	50 km	140 km	50 km	
DJF	Mean ( $\mu\text{g m}^{-3}$ )	12.1	8.3	9.5	5.1	5.5
	Difference in model mean (%)		-14.5		-7.8	
	NMB (%)		-31.0	-21.3		
	SD ( $\mu\text{g m}^{-3}$ )	9.2	2.5	3.1	3.1	3.7
MAM	Mean ( $\mu\text{g m}^{-3}$ )	12.6	12.4	16.2	9.0	9.5
	Difference in model mean (%)		-30.6		-5.5	
	NMB (%)		-0.2	31.1		
	SD ( $\mu\text{g m}^{-3}$ )	5.1	2.6	5.4	4.9	6.2
JJA	Mean ( $\mu\text{g m}^{-3}$ )	10.6	18.0	14.9	11.9	8.4
	Difference in model mean (%)		17.2		29.4	
	NMB (%)		70.0	40.1		
	SD ( $\mu\text{g m}^{-3}$ )	4.0	5.4	6.4	7.0	6.2
SON	Mean ( $\mu\text{g m}^{-3}$ )	11.0	10.7	13.2	12.3	11.3
	Difference in model mean (%)		-23.4		8.1	
	NMB (%)		-2.4	22.0		
	SD ( $\mu\text{g m}^{-3}$ )	4.8	4.1	10.3	7.0	6.7