

		52 sites			All grid-cells	
		Obs.	Model		Model	
Season		140 km	50 km	140 km	50 km	
DJF	Mean ($\mu\text{g m}^{-3}$)	52.8	48.5	42.6	35.1	31.7
	Difference in model mean (%)		12.2		9.7	
	NMB (%)		-8.1	-19.2		
	SD ($\mu\text{g m}^{-3}$)	11.0	17.0	16.0	17.3	16.5
MAM	Mean ($\mu\text{g m}^{-3}$)	70.4	80.7	67.9	75.7	71.5
	Difference in model mean (%)		15.9		5.5	
	NMB (%)		14.6	-3.6		
	SD ($\mu\text{g m}^{-3}$)	8.9	13.7	12.8	12.9	12.9
JJA	Mean ($\mu\text{g m}^{-3}$)	63.6	78.6	80.8	84.4	85.6
	Difference in model mean (%)		-2.8		-1.4	
	NMB (%)		23.7	27.1		
	SD ($\mu\text{g m}^{-3}$)	10.2	16.3	15.1	20.6	20.5
SON	Mean ($\mu\text{g m}^{-3}$)	46.3	48.6	55.0	52.7	54.9
	Difference in model mean (%)		-13.2		-4.2	
	NMB (%)		4.9	18.8		
	SD ($\mu\text{g m}^{-3}$)	10.2	15.0	14.2	15.2	14.1