

	Black carbon aerosol	in pure BC	in MBS
Sources, Tg year ⁻¹	+7.76 ± 0.00	+7.76 ± 0.00	+1.83 ± 0.00
Emission	+7.76 ± 0.00	+7.76 ± 0.00	
Aging (source)			+1.83 ± 0.00
Sinks, Tg year ⁻¹	-7.77 ± 0.00	-7.76 ± 0.00	-1.84 ± 0.00
Aging (sink)		-1.83 ± 0.00	
Nucleation scavenging by stratiform clouds	-1.02 ± 0.00	-0.00 ± 0.00	-1.02 ± 0.00
Nucleation scavenging by convective clouds	-0.03 ± 0.00	-0.00 ± 0.00	-0.03 ± 0.00
Impaction scavenging	-6.31 ± 0.00	-5.56 ± 0.00	-0.74 ± 0.00
Dry deposition	-0.42 ± 0.00	-0.36 ± 0.00	-0.05 ± 0.00
Burden, Tg	0.11 ± 0.00	0.09 ± 0.00	0.02 ± 0.00
Lifetime, days	5.19 ± 0.01	4.32 ± 0.01	3.69 ± 0.01