

	Organic carbon aerosol	in pure OC	in MOS
Sources, Tg year ⁻¹	+108.88 ± 0.00	+108.88 ± 0.00	+23.81 ± 0.02
Emission	+108.88 ± 0.00	+108.88 ± 0.00	
Aging (source)			+21.60 ± 0.02
Coagulation (source)			+2.22 ± 0.01
Sinks, Tg year ⁻¹	-108.82 ± 0.01	-108.75 ± 0.01	-23.88 ± 0.02
Aging (sink)		-21.60 ± 0.02	
Coagulation (sink)		-2.22 ± 0.01	
Nucleation scavenging by stratiform clouds	-13.14 ± 0.01	-0.00 ± 0.00	-13.14 ± 0.01
Nucleation scavenging by convective clouds	-0.51 ± 0.00	-0.00 ± 0.00	-0.51 ± 0.00
Impaction scavenging	-90.65 ± 0.02	-81.03 ± 0.02	-9.63 ± 0.02
Dry deposition	-4.51 ± 0.00	-3.91 ± 0.00	-0.60 ± 0.00
Burden, Tg	1.49 ± 0.00	1.20 ± 0.00	0.29 ± 0.00
Lifetime, days	5.01 ± 0.01	4.03 ± 0.01	4.46 ± 0.02