

	Sulfate aerosol	in NUC	in AIT	in ACC	in MOS	in MBS
Sources, $\text{Tg}(\text{SO}_4) \text{ year}^{-1}$	$+538.70 \pm 0.75$	$+0.01 \pm 0.00$	$+0.09 \pm 0.00$	$+509.28 \pm 0.75$	$+26.45 \pm 0.04$	$+6.46 \pm 0.03$
Binary nucleation	$+0.00 \pm 0.00$	$+0.00 \pm 0.00$				
Condensation	$+11.55 \pm 0.05$	$+0.01 \pm 0.00$	$+0.08 \pm 0.00$	$+4.37 \pm 0.01$	$+3.84 \pm 0.02$	$+3.25 \pm 0.02$
Aging (source)	$+22.33 \pm 0.02$				$+20.59 \pm 0.02$	$+1.75 \pm 0.00$
Growth (source)			$+0.01 \pm 0.00$	$+0.09 \pm 0.00$		
Coagulation (source)			$+0.00 \pm 0.00$	$+0.00 \pm 0.00$	$+2.02 \pm 0.01$	$+1.47 \pm 0.01$
Hydrometeor evaporation	$+504.82 \pm 0.75$			$+504.82 \pm 0.75$		
Sinks, $\text{Tg}(\text{SO}_4) \text{ year}^{-1}$	$-538.88 \pm 0.74$	$-0.01 \pm 0.00$	$-0.09 \pm 0.00$	$-509.37 \pm 0.75$	$-26.52 \pm 0.04$	$-6.48 \pm 0.03$
Growth (sink)		$-0.01 \pm 0.00$	$-0.09 \pm 0.00$			
Coagulation (sink)		$-0.00 \pm 0.00$	$-0.00 \pm 0.00$	$-3.49 \pm 0.02$		
Nucleation scavenging by stratiform clouds	$-396.60 \pm 0.69$	$-0.00 \pm 0.00$	$-0.00 \pm 0.00$	$-379.23 \pm 0.68$	$-14.19 \pm 0.02$	$-3.17 \pm 0.01$
Nucleation scavenging by convective clouds	$-20.75 \pm 0.06$	$-0.00 \pm 0.00$	$-0.00 \pm 0.00$	$-20.08 \pm 0.06$	$-0.56 \pm 0.00$	$-0.11 \pm 0.00$
Impaction scavenging	$-116.29 \pm 0.06$	$-0.00 \pm 0.00$	$-0.00 \pm 0.00$	$-102.21 \pm 0.06$	$-11.08 \pm 0.02$	$-3.00 \pm 0.01$
Dry deposition	$-5.25 \pm 0.01$	$-0.00 \pm 0.00$	$-0.00 \pm 0.00$	$-4.34 \pm 0.01$	$-0.70 \pm 0.00$	$-0.20 \pm 0.00$
Burden, $\text{Tg}(\text{SO}_4)$	$1.33 \pm 0.00$	$0.00 \pm 0.00$	$0.00 \pm 0.00$	$0.94 \pm 0.00$	$0.32 \pm 0.00$	$0.07 \pm 0.00$
Lifetime, days	$0.90 \pm 0.00$	$0.13 \pm 0.00$	$0.09 \pm 0.00$	$0.67 \pm 0.00$	$4.39 \pm 0.02$	$3.99 \pm 0.04$