Parameter	Representative Range (Observed)		Suggested	
	Summer Conditions	Winter Conditions	(Winter/Summer) Ratio	Comments
Λ (S ⁻¹) Sulfates	∿10-5	∿10-5	∿1	washout: based on very few data
			10 ⁻¹ (?)	rainout: order-of-magnitude seasonal variation could be possible, depending on storm types (e.g., Scott, 1981)
Λ (S ⁻¹)SO ₂	(3-8)×10 ⁻⁴	(1-25)×10 ⁻⁷	~10-3	rainout: based on data of Summers (1977); applies to areas where wintertime precipitation is largely in the form of dry snow
			~10(?)	theoretically predicted possibility for areas which largely receive cold rain or wet snow during the winter
v(cms ⁻¹) Sulfates	(?)	<0.2	(?)	very large uncertainty about deposition velocity for sulfates
v(cms ⁻¹) SO ₂	0.4 to 0.8	0.1 to 0.4	~1/2	seasonal changes expected to be modest (i.e., not order-of-magnitude)
SO ₂ →SO ₄ transformation rate h ⁻¹	1 to 4 (chimney plumes) 1 to 30 (urban plumes)	<1 (chimney plumes) 1 to 25 (urban plumes)	(?)	gas-phase homogeneous processes should be small at latitudes greater than 45°N in the winter. However, there is too much uncertainty about the magnitude of heterogeneous processes, including in-cloud SO2 conversion, to allow conclusions about seasonal variations