

Table 2. Deposition Velocities of Sulfur Dioxide to Snow

Reference	v cm s ⁻¹	Comments
Whelpdale and Shaw (1974)	1.6	Lapse
	0.52	Neutral
	0.05	Stable
Garland (1976)	0.10 - 0.17	Ice - laboratory experiments; $r_s \approx \sigma s$ cm ⁻¹ .
Dovland and Eliassen (1976)	~ 0.1	Low wind speed, stable atmosphere; $r < 5 s$ cm ⁻¹ (Garland, 1976).
Barrie and Walmsley (1978)	0.25 ± 0.20	Determined from simultaneous deposition and concentration measurements during a pollution episode.
	0.3 - 0.4	Determined from sulfur accumulation by snow and ambient concentrations calculated with a dispersion model.