

Table 2-12 (Continued)

Plume Type Location	SO ₂ Oxidation Rate (%h ⁻¹)	Method	Reference
Central (Washington) Four Corners (New Mexico)	0-6	Total change in particle volume	Hobbs et al. (1979)
Four Corners (New Mexico)	0.15-0.5	CCN production (CCN to SO ₂ ratios)	Mamane and Pueschel (1980)
Leland-Olds (North Dakota) Sherburne County Minnesota Big Brown (Texas)	0-5.7	Total change in particle volume	Hebb and Hobbs (1980)
<u>Smelter</u>			
INCO Nickel (Copper Cliff, Canada)	0-7	Particulate sulfur to total sulfur ratio	Lusis and Wiebe (1976)
INCO Nickel (Copper Cliff, Canada)	1.2-5.2	Particulate sulfur to total sulfur rates	Forrest and Newman (1977b)
Mt Isa Mines (MT. ISA, Australia)	0.25†	Particulate sulfur to total sulfur ratio	Roberts and Williams (1979)
<u>Urban</u>			
Los Angeles (California)	1.2-13	Particulate sulfur to total sulfur ratio	Roberts and Friedlander (1975)
St. Louis (Missouri)	7-12.5	Particulate sulfur to total sulfur ratio	Alkezweeny and Powell (1977)
St. Louis (Missouri)	3.6-4.2	Particulate sulfur to total sulfur ratio	Chang (1979)

*Adapted in part from Hegg and Hobbs (1980)
†diurnal average rate