

TABLE III. Approaches to Treatment of Chemical Transformation
in the LRT Models

Model	Chemical transformation ^a
AES	SO ₂ : constant oxidation rate (1% h ⁻¹)
ASTRAP	SO ₂ : diurnal and seasonal varying oxidation rate; summer (0.2 to 5.5% h ⁻¹ , average of 2.0% h ⁻¹) winter (0.1 to 1.5% h ⁻¹ , average of 0.5% h ⁻¹)
CAPITA	SO ₂ : seasonal varying oxidation rate; winter (constant 0.6% h ⁻¹) summer (constant 1.2% h ⁻¹)
ENAMAP	SO ₂ : constant oxidation rate (1% h ⁻¹)
MEP	SO ₂ : seasonal and diurnal oxidation rate (mean, 1% h ⁻¹)
OME	SO ₂ : constant oxidation rate (1% h ⁻¹)
RCDM	SO ₂ : constant oxidation rate (1% h ⁻¹)
UMACID	SO ₂ : seasonal and diurnal varying oxidation rate; summer (day 2.8% h ⁻¹ , night 0.2% h ⁻¹) winter (day 1.4% h ⁻¹ , night 0.1% h ⁻¹)

^a H₂SO₄ formation rate (μg m⁻³ h⁻¹) = SO₂ transformation rate
= 0.01 k_S(%h⁻¹)[SO₂](μg m⁻³)