



RIVIÈRE ET AL.: HNO₃ VARIATIONS AS MEASURED BY ILAS

AAC

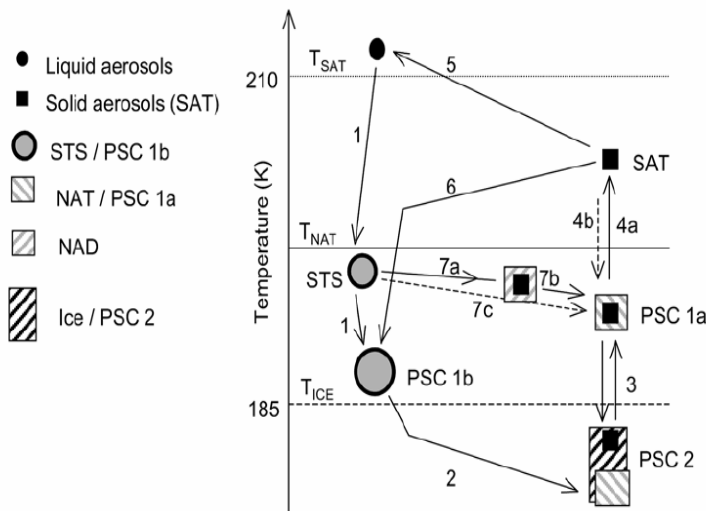


Figure 1. Stratospheric particle type evolution as a function of temperature, as included in MiPLaSMO. The SAT melting point (T_{SAT}), the NAT equilibrium temperature (T_{NAT}) and the ice equilibrium temperature (T_{ICE}) threshold are given as an indication.

[Rivière et al., JGR, 2003]

•Type Ia (NAT: Nitric Acid Trihydrate: 硝酸三水合物: $HNO_3 \cdot 3H_2O$)

•NAD: (Nitric Acid Dihydrate: 硝酸二水合物: $HNO_3 \cdot 2H_2O$)

•Type Ib (STS: Super-cooled Ternary Solution: 過冷却三成分系液滴: $HNO_3 \cdot H_2O \cdot H_2SO_4$)

•Type II (Ice: 氷晶: H_2O)

•SAT (Sulfuric Acid Tetrahydrate: 硫酸四水合物: $H_2SO_4 \cdot 4H_2O$)

図4：現在考えられている各種極成層圏雲(PSC)