

Simulation	Description	γ_r	γ_s
REF	Reference simulation with ECHAM6.3-HAM2.3 with $CDNC_{min} = 40 \text{ cm}^{-3}$ and only homogeneous freezing in cirrus clouds	10.6	900
ALL_ICE	As REF, but without any supercooled liquid water at temperatures $< 0 \text{ }^\circ\text{C}$	4	900
ALL_LIQ	As REF, but with only supercooled liquid water at temperatures $> -35 \text{ }^\circ\text{C}$	25	900
HET	As REF, but with only heterogeneous freezing in cirrus clouds	14	300
NOCONV	As REF, but without any parameterization of convection	175	900