

1 Supplementary Material:

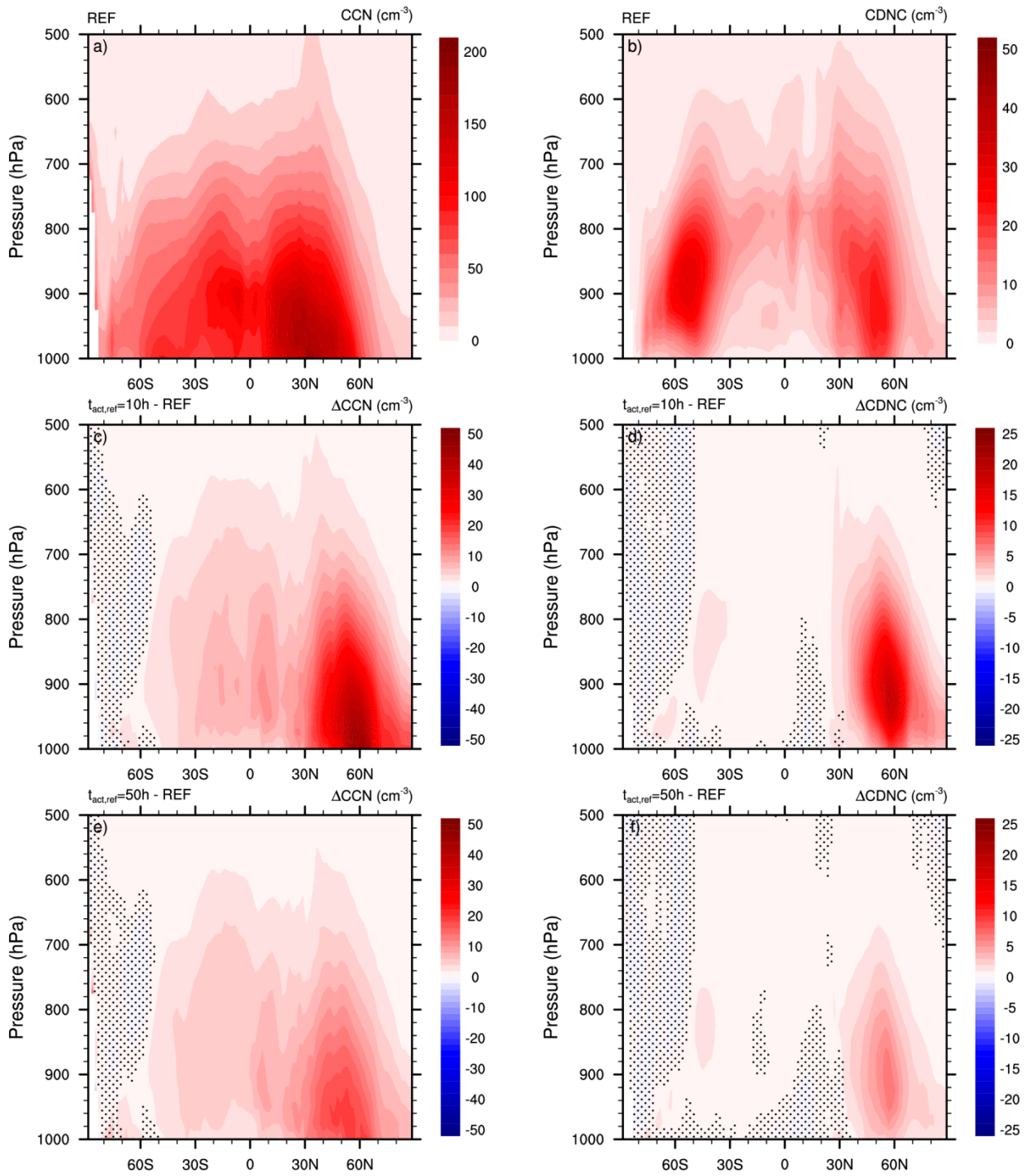


Figure S1 20-year zonal mean of CCN and CDNC of the reference simulation (REF) and the change by oxidation of soot particles for two activation times $t_{\text{act,ref}} = 10 \text{ h}$ and $t_{\text{act,ref}} = 50 \text{ h}$. Hatching indicates statistically not significant differences at the 95% significance level

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