



## Supplement of

## Impact of stratospheric aerosol intervention geoengineering on surface air temperature in China: a surface energy budget perspective

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**Figure S1.** Spatial patterns of differences between G4 and RCP4.5 for MIROC-ESM-CHEM in summer: (a) downward shortwave radiative effect of clouds (SW<sup>cl↓</sup>); (b) total cloud cover (units: %); (c) latent heat flux (LH), and for MIROC-ESM in winter: (d) surface albedo (units: %); (e) snow cover fraction (SCF; units: %) over China during the period of 2030–2069. Flux is in W m<sup>-2</sup>. The dots indicate areas where are statistically significant at the 90% confidence level.