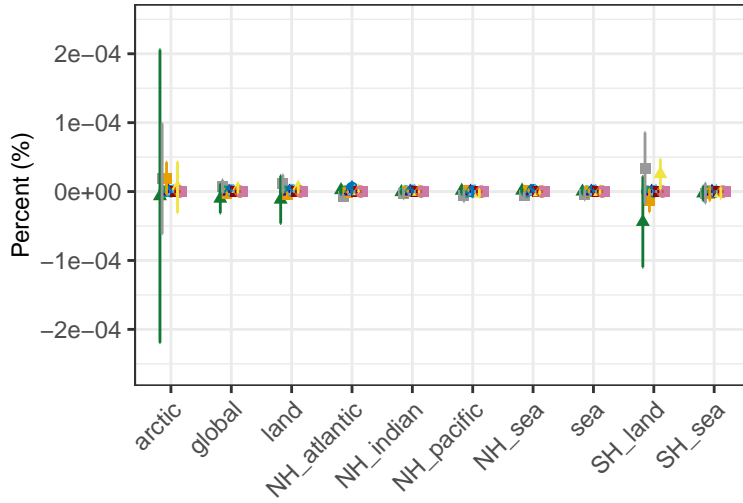
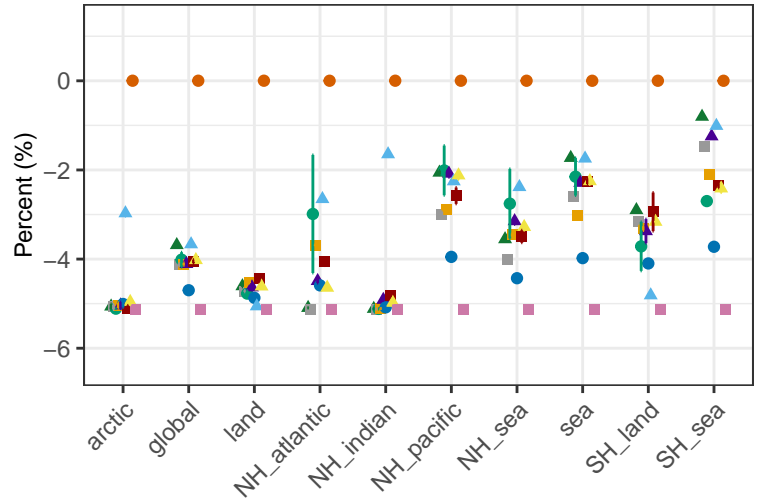


Summary – percent difference

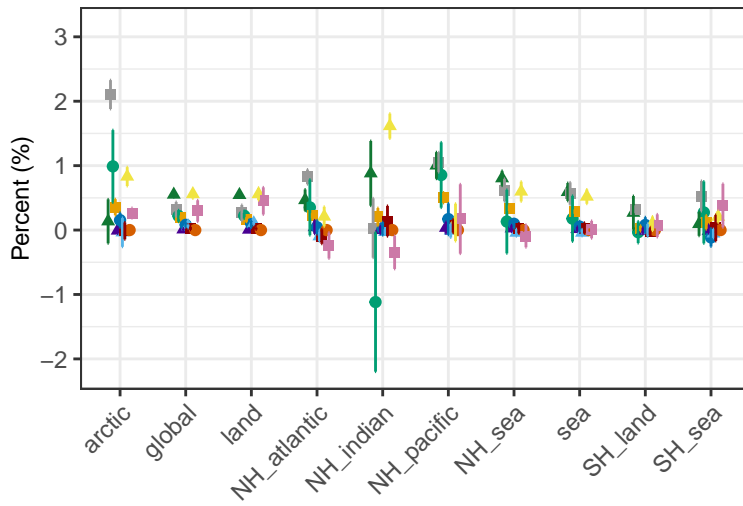
surface flux of BC
– high-so4



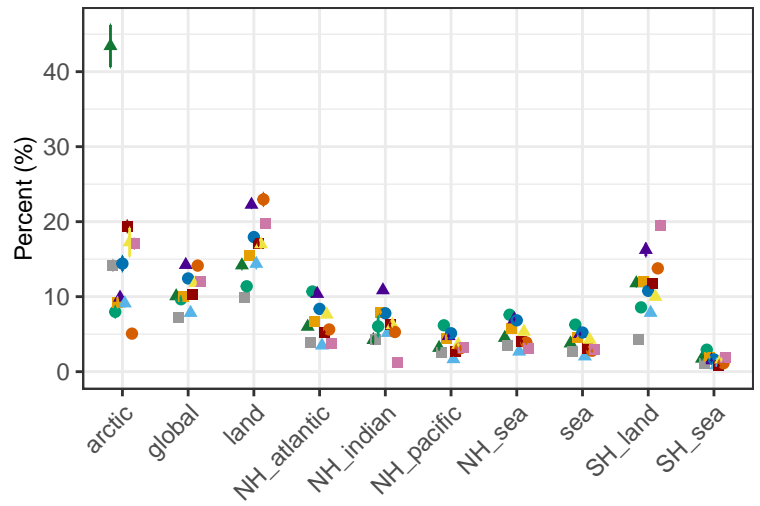
surface flux of SO2
– high-so4



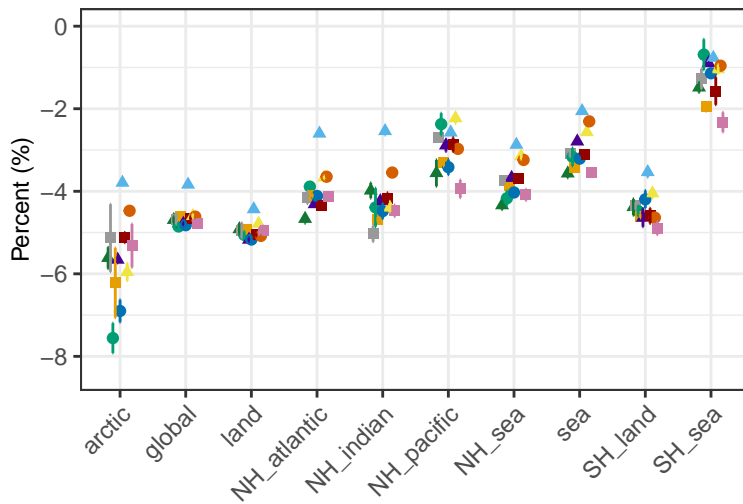
surface concentration of BC
– high-so4



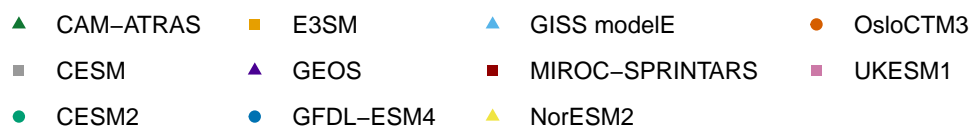
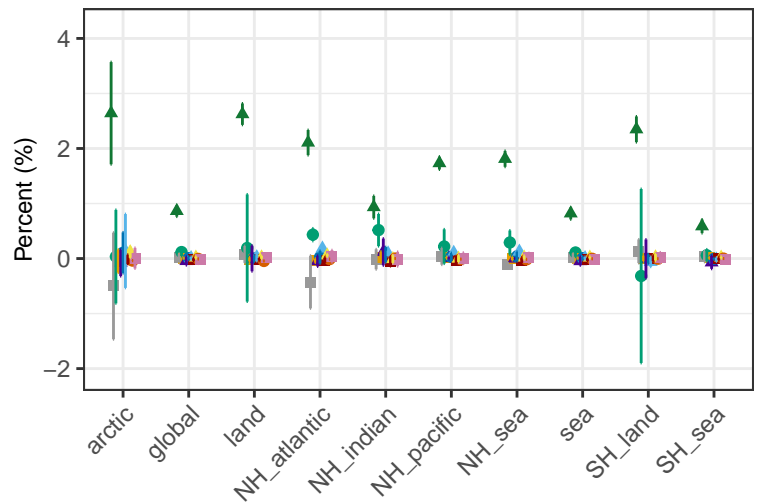
surface concentration of SO4
– high-so4



surface concentration of SO2
– high-so4

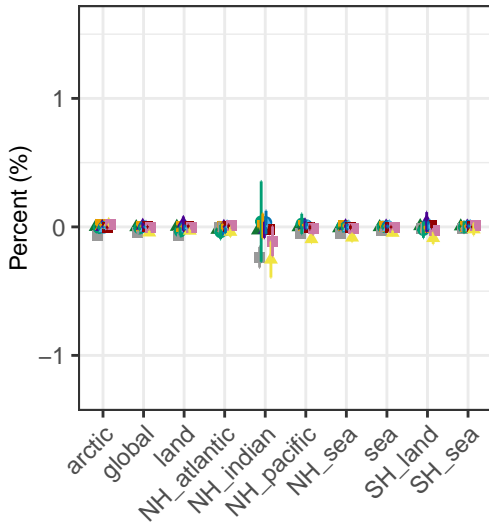


surface concentration of DMS
– high-so4

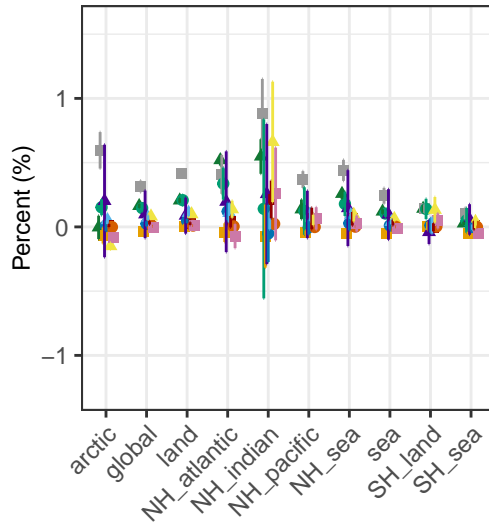


Summary – percent difference

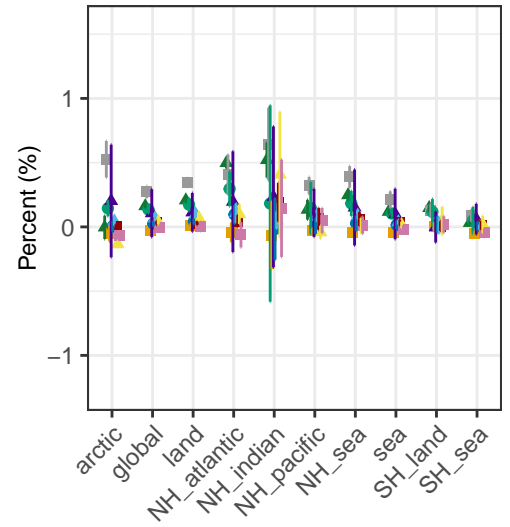
upwelling longwave flux
at TOA – high-so4



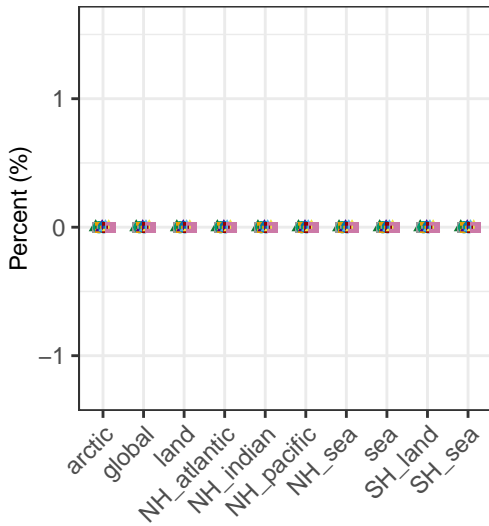
upwelling shortwave flux
at TOA – high-so4



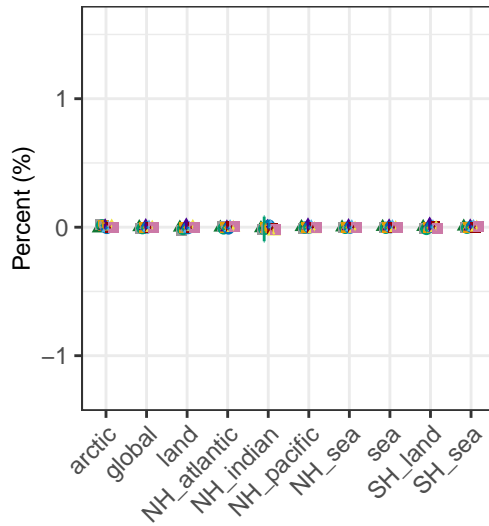
net radiative flux
at TOA – high-so4



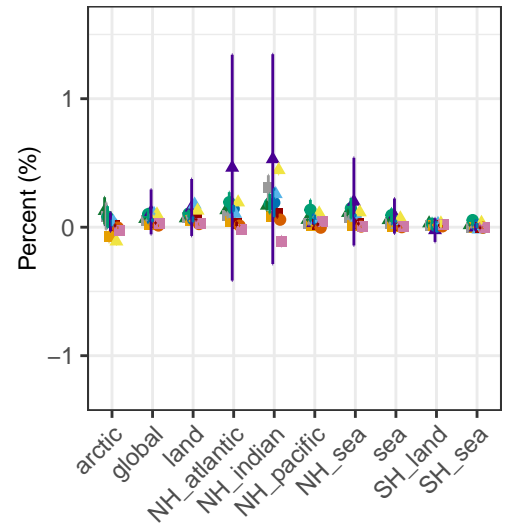
incident shortwave flux
at TOA – high-so4



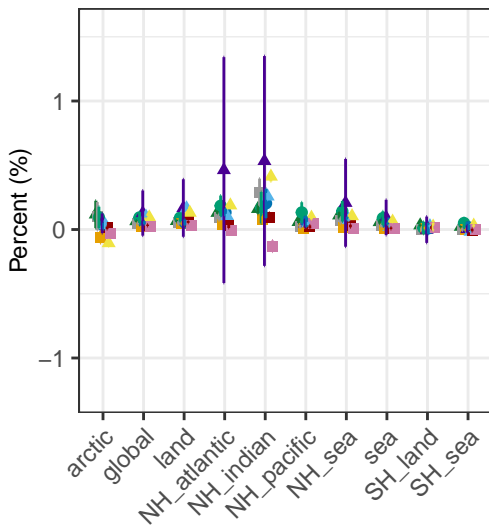
upwelling clear-sky longwave
flux at TOA – high-so4



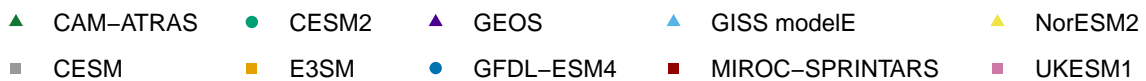
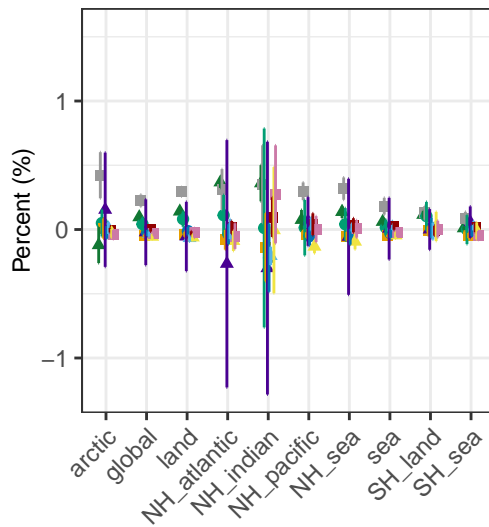
upwelling clear-sky shortwave
flux at TOA – high-so4



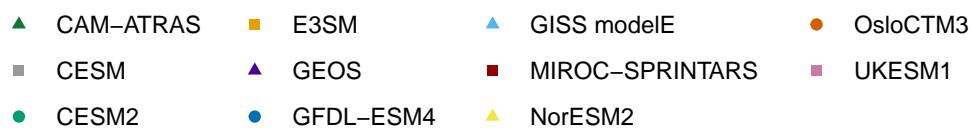
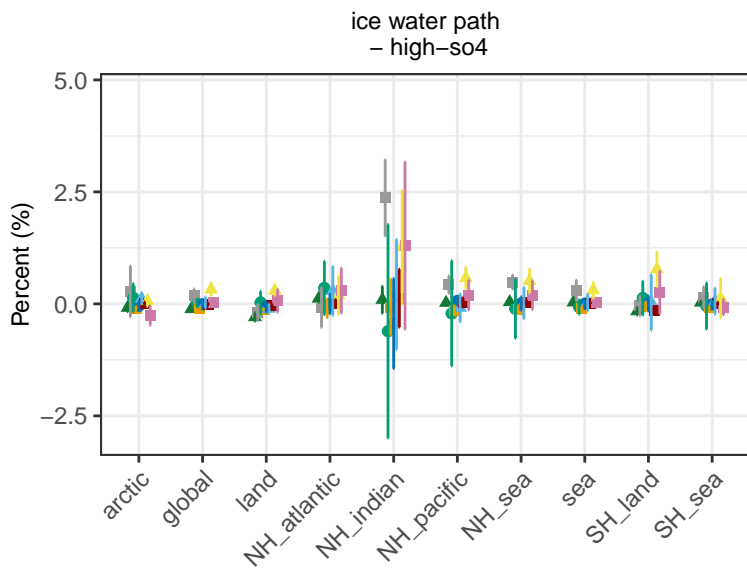
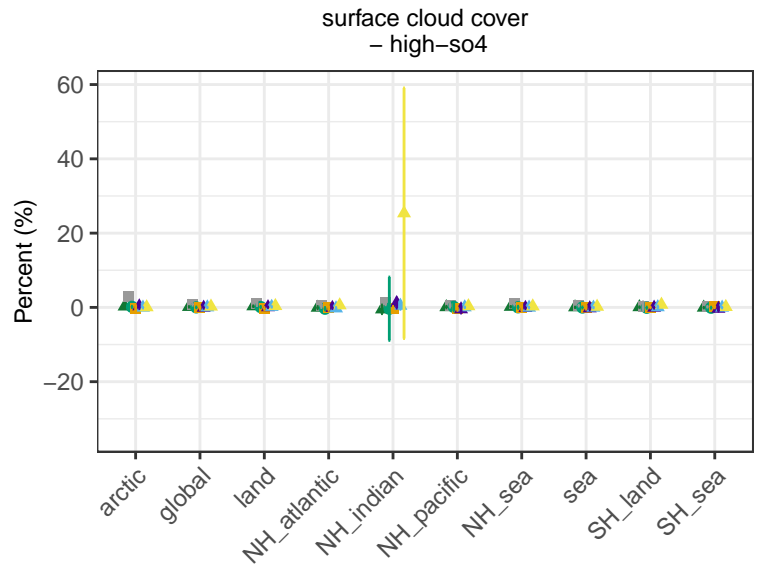
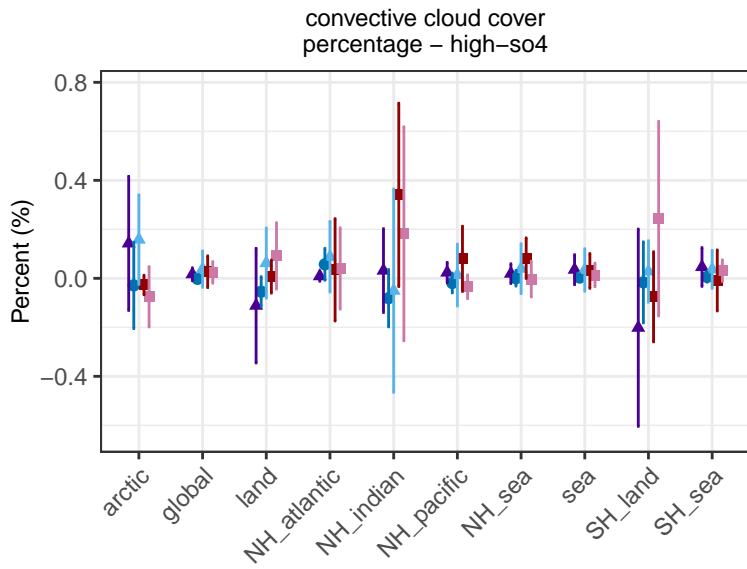
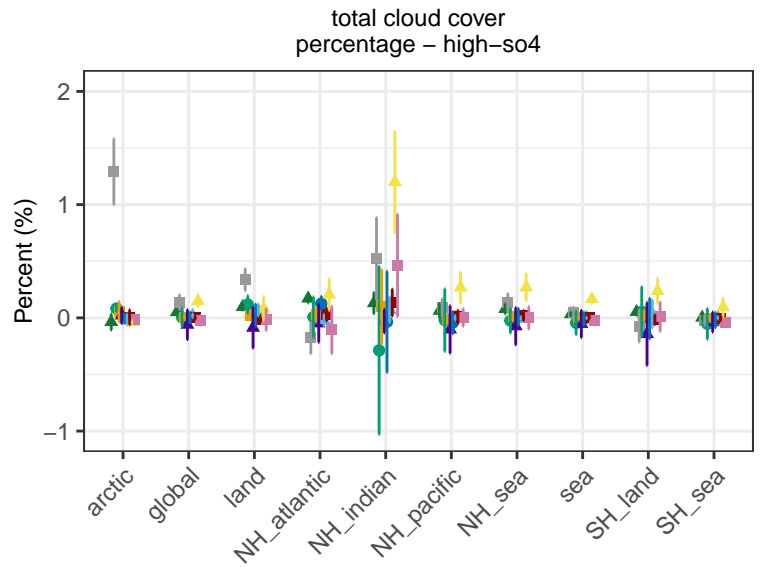
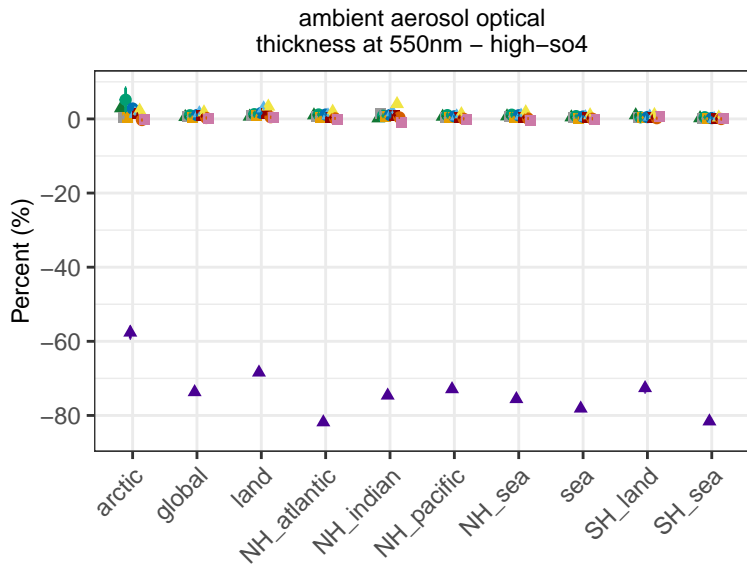
clear-sky net radiative flux
at TOA – high-so4



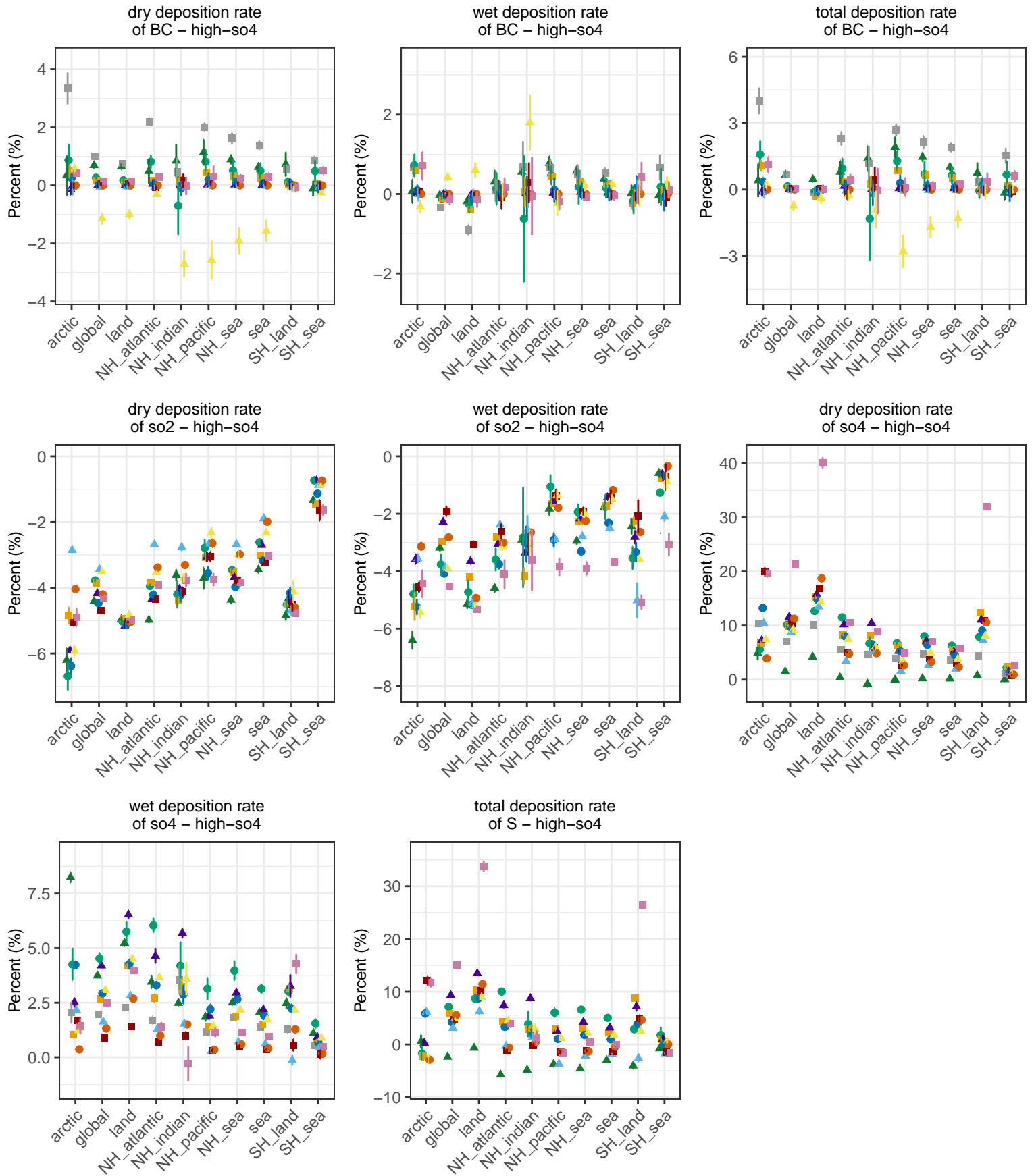
implied cloud response at TOA
– high-so4



Summary – percent difference



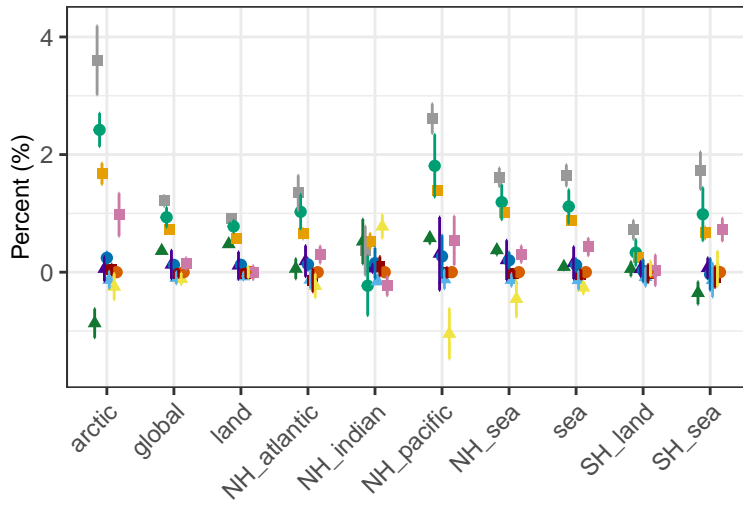
Summary – percent difference



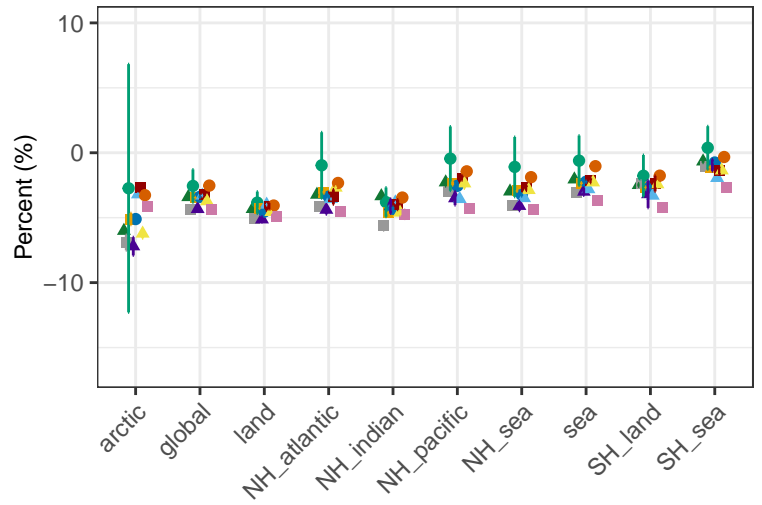
- ▲ CAM-ATRAS
- CESM
- CESM2
- E3SM
- ▲ GEOS
- GFDL-ESM4
- ▲ GISS modelE
- MIROC-SPRINTARS
- OsloCTM3
- UKESM1
- ▲ NorESM2

Summary – percent difference

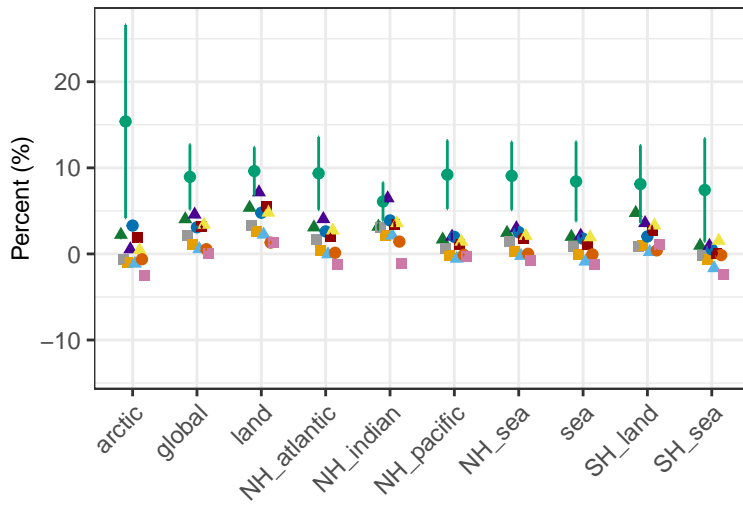
column mass burden of BC
– high-so4



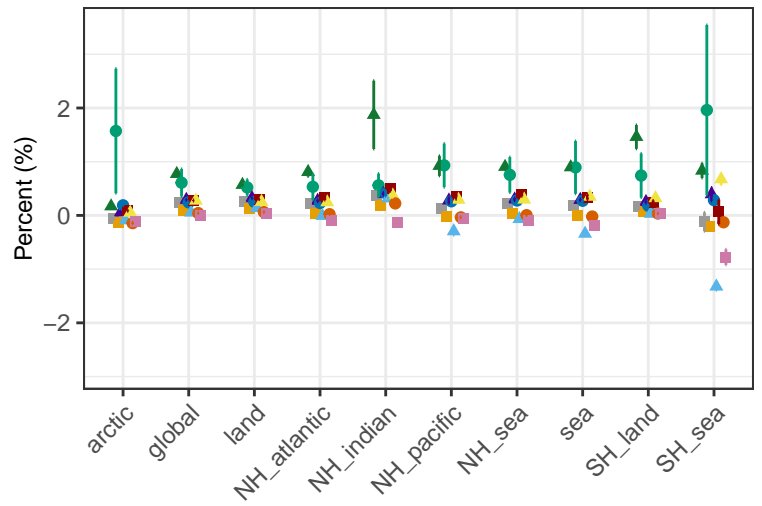
column mass burden of SO2
– high-so4



column mass burden of SO4
– high-so4



SO4 lifetime
– high-so4



SO2 timescale
– high-so4

