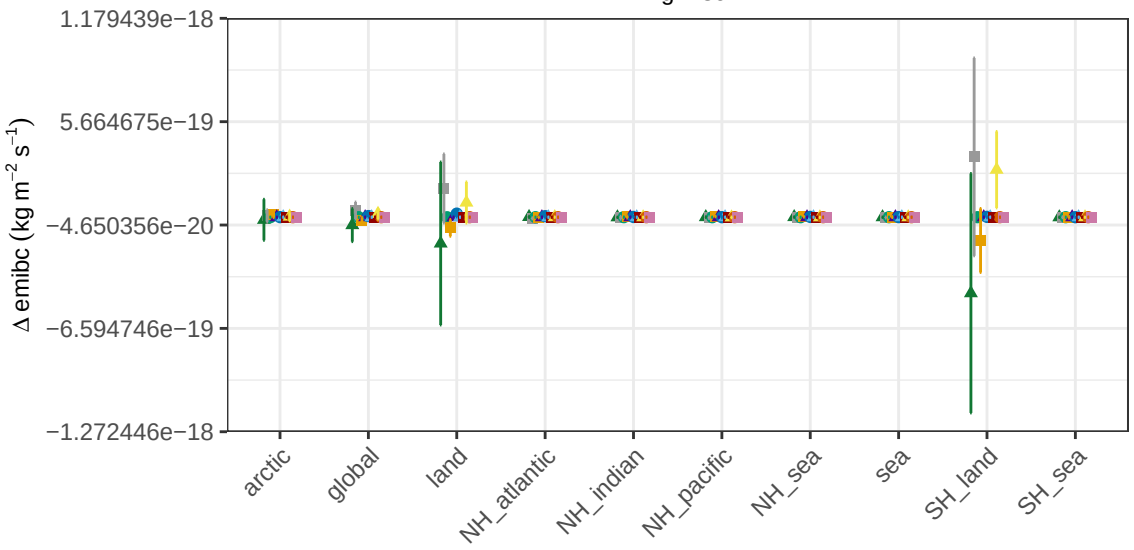
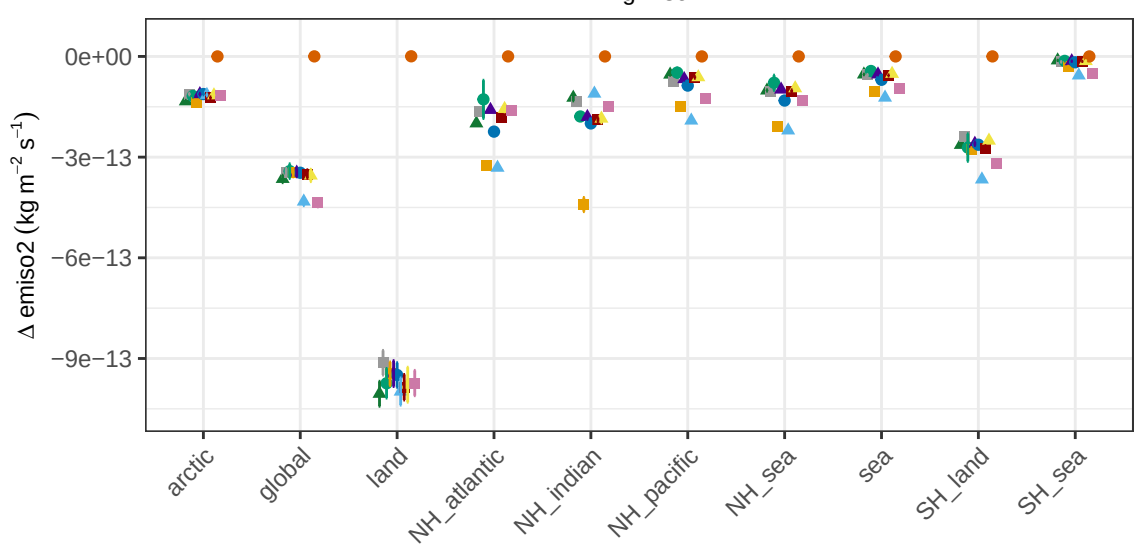
Summary − absolute difference

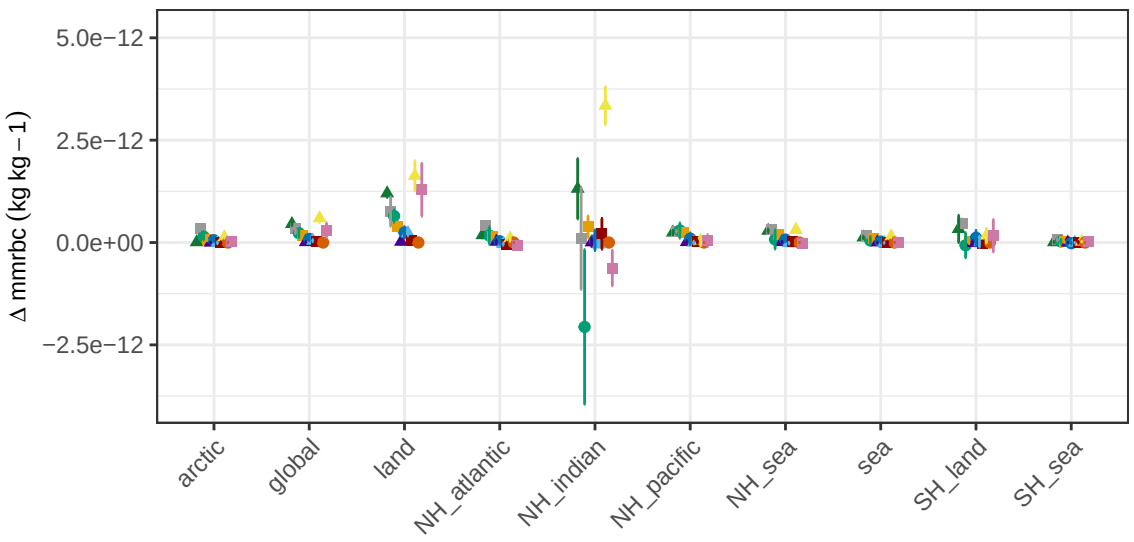
surface flux of BC
− high−so4



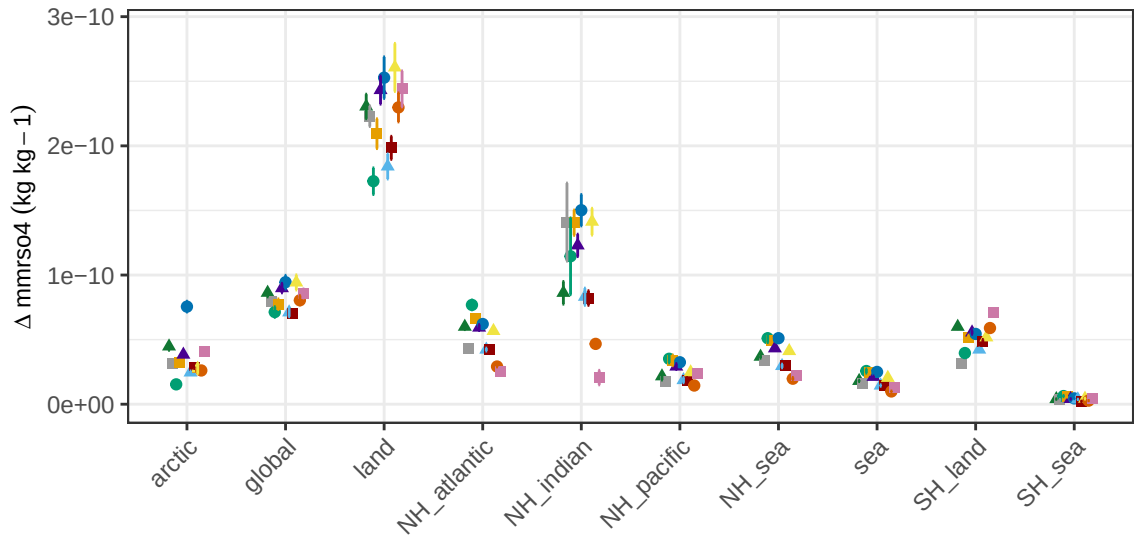
surface flux of SO2
− high−so4



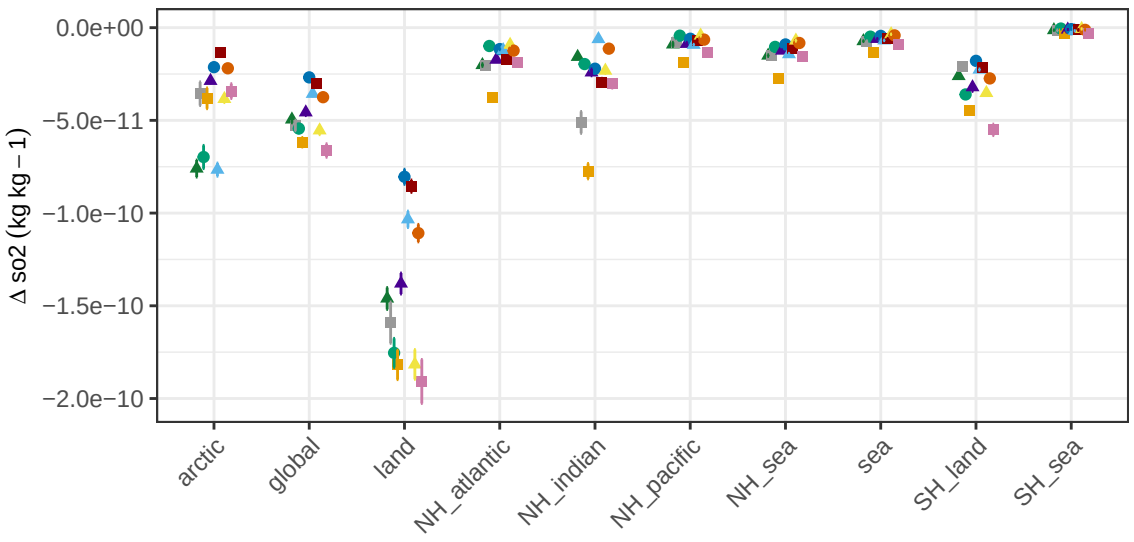
surface concentration of BC
− high−so4



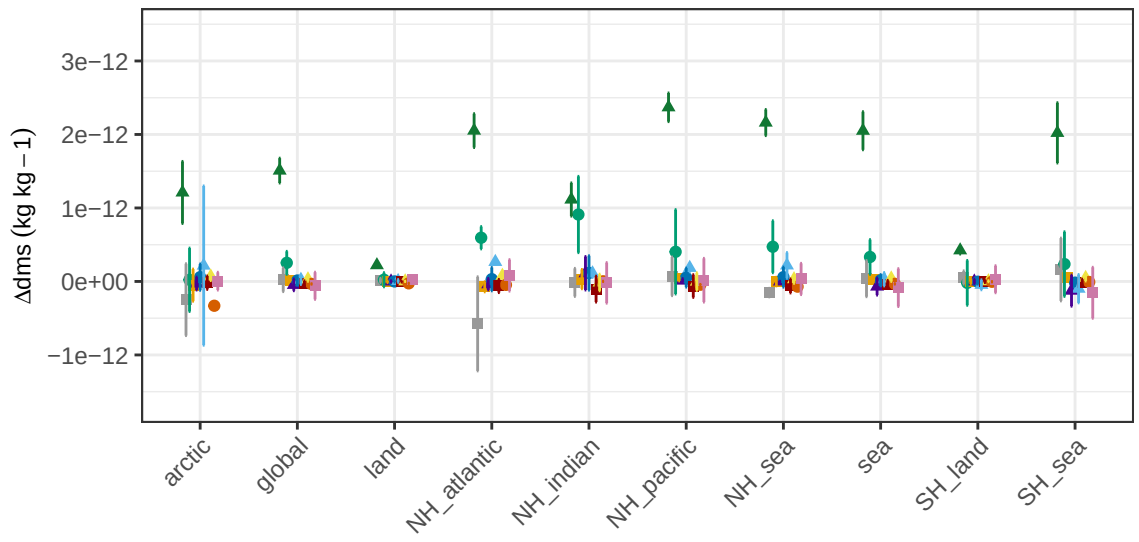
surface concentration of SO4
− high−so4



surface concentration of SO2
− high−so4



surface concentration of DMS
− high−so4



CAM−ATRAS
CESM
CESM2
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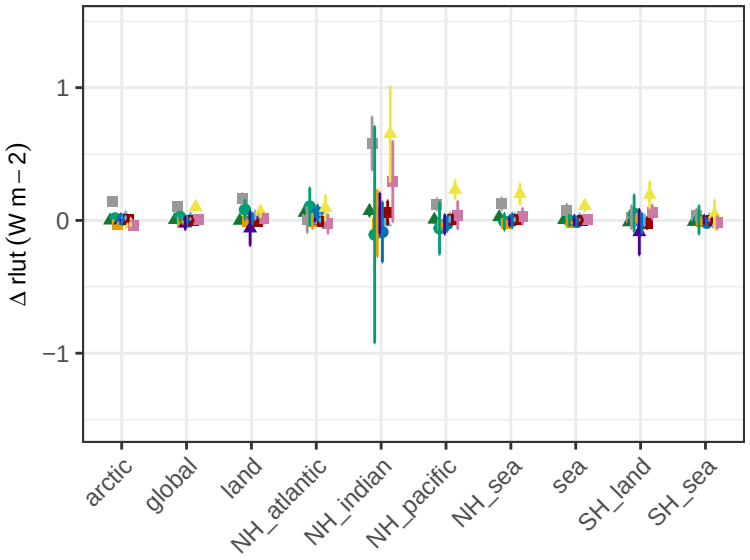
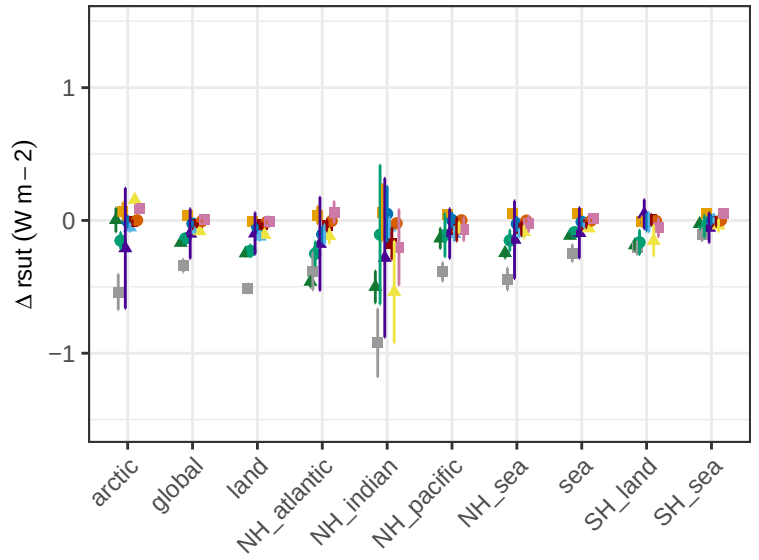
GFDL−ESM4
GISS modelE
MIROC−SPRINTARS
NorESM2
OsloCTM3
UKESM1

Summary − absolute difference

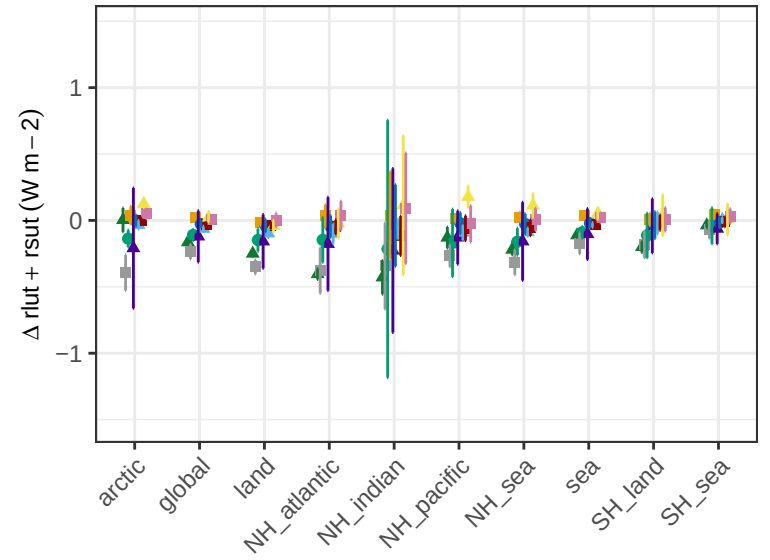
upwelling longwave flux at TOA − high−so4



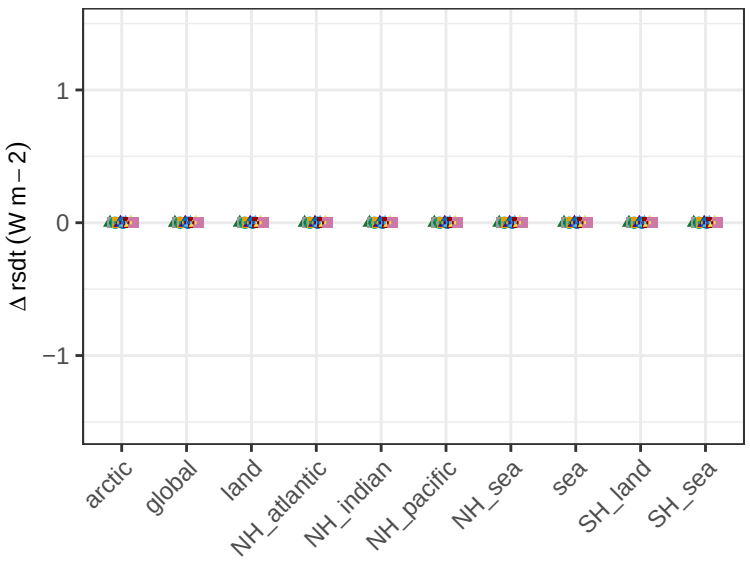
upwelling shortwave flux at TOA − high−so4



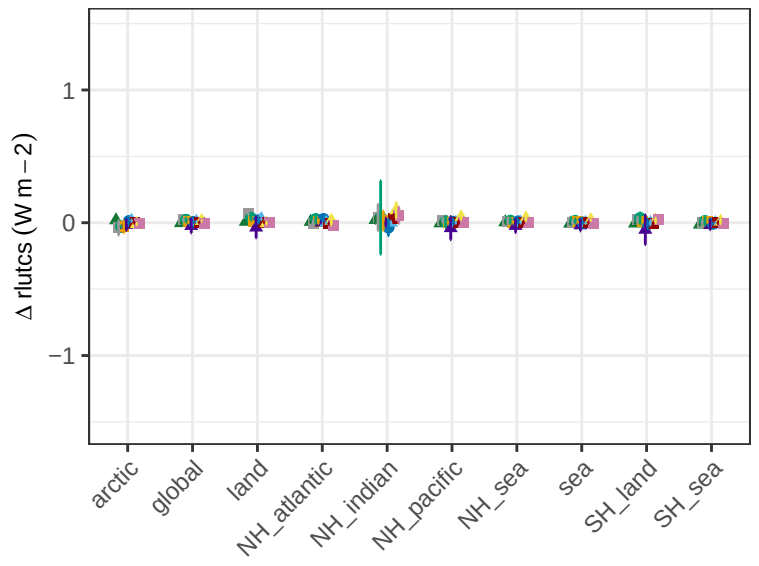
net radiative flux at TOA − high−so4



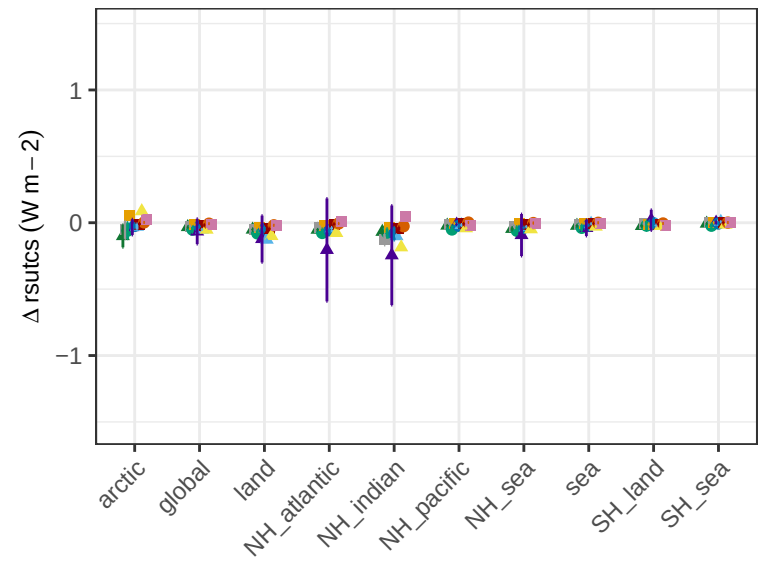
incident shortwave flux at TOA − high−so4



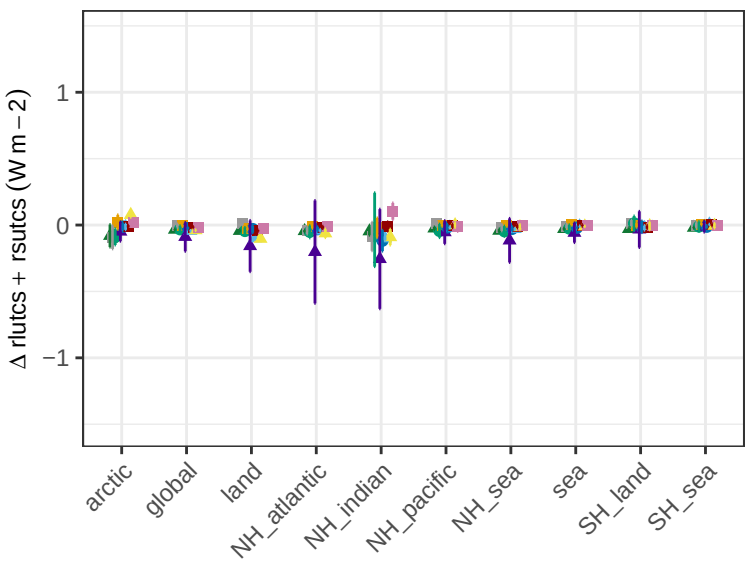
upwelling clear−sky longwave flux at TOA − high−so4



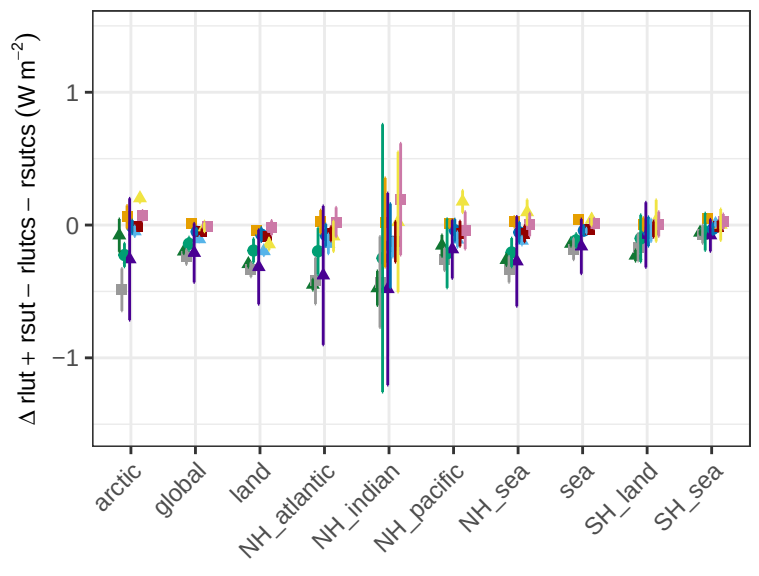
upwelling clear−sky shortwave flux at TOA − high−so4



clear−sky net radiative flux at TOA − high−so4



implied cloud response at TOA − high−so4



CAM−ATRAS
CESM
CESM2
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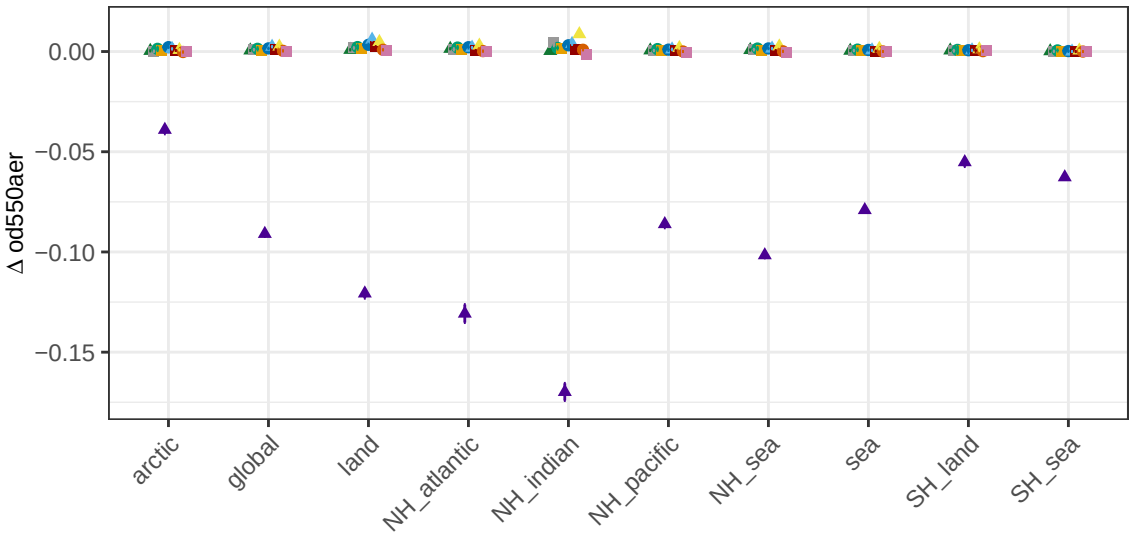
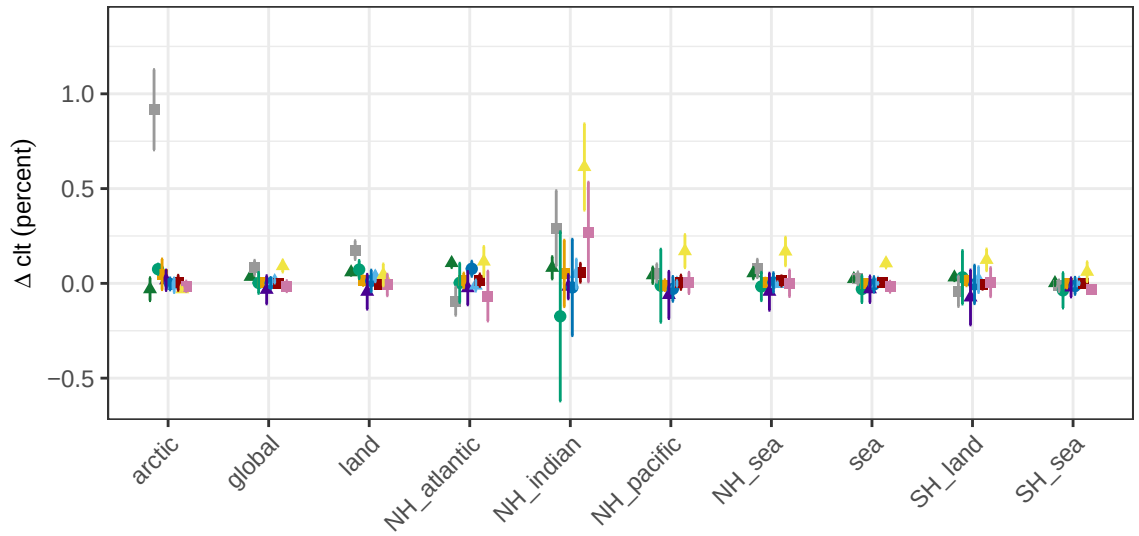
GFDL−ESM4
GISS modelE
MIROC−SPRINTARS
NorESM2
UKESM1

Summary − absolute difference

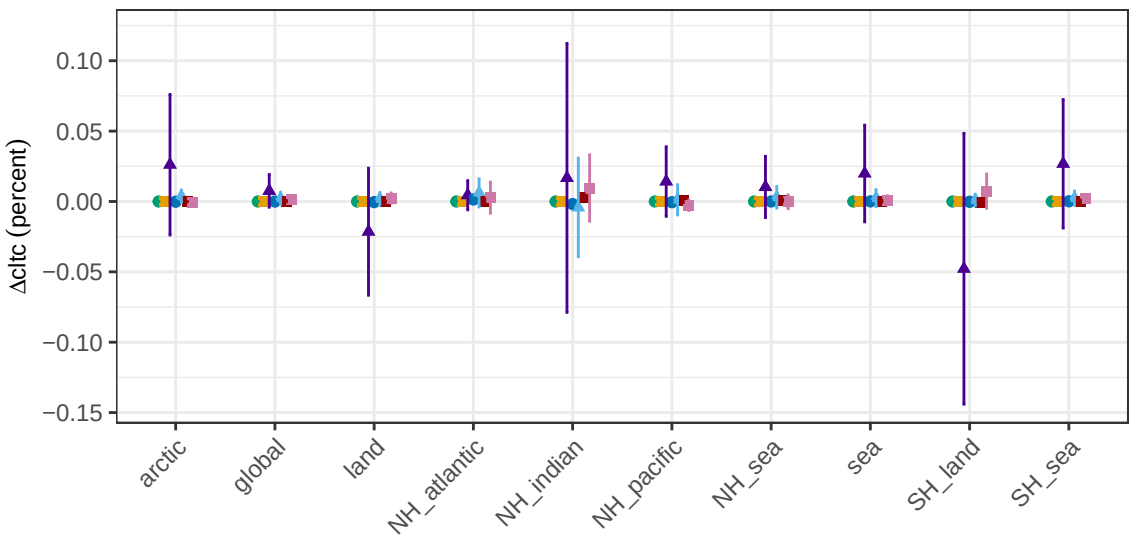
ambient aerosol optical thickness at 550nm − high−so4



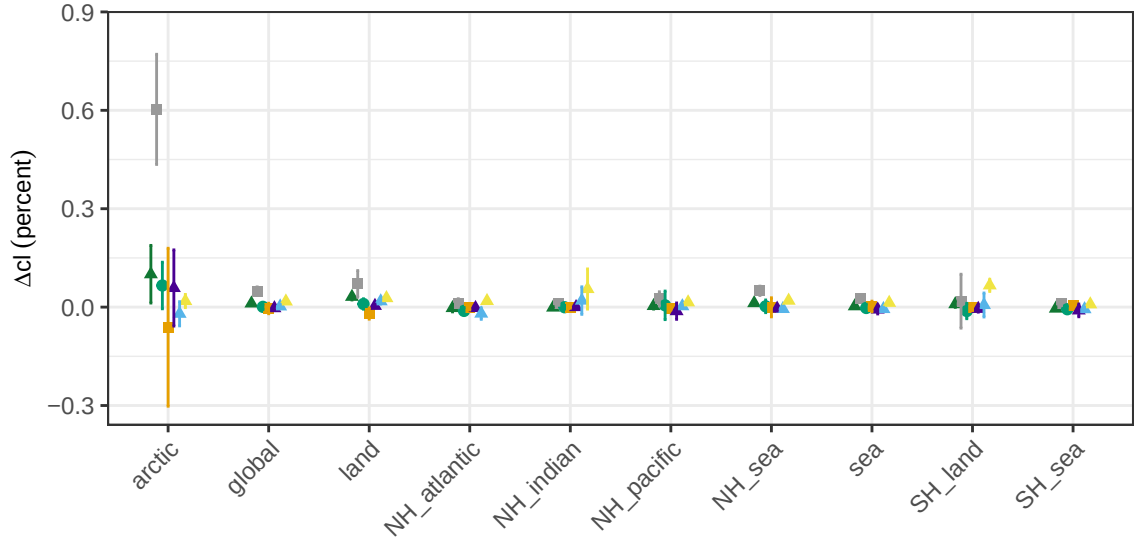
total cloud cover percentage − high−so4



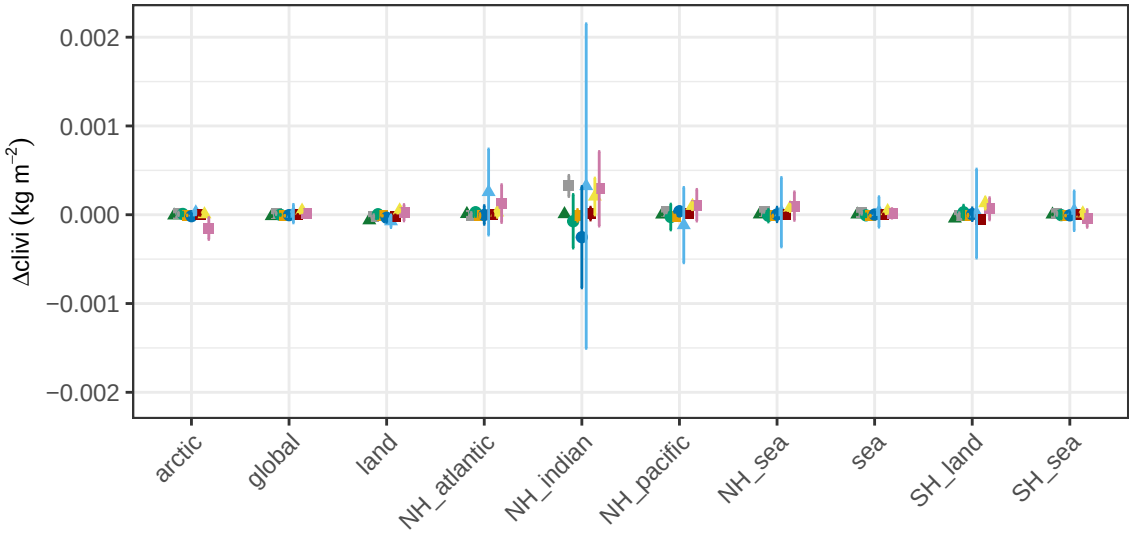
convective cloud cover percentage − high−so4



surface cloud cover − high−so4



ice water path − high−so4



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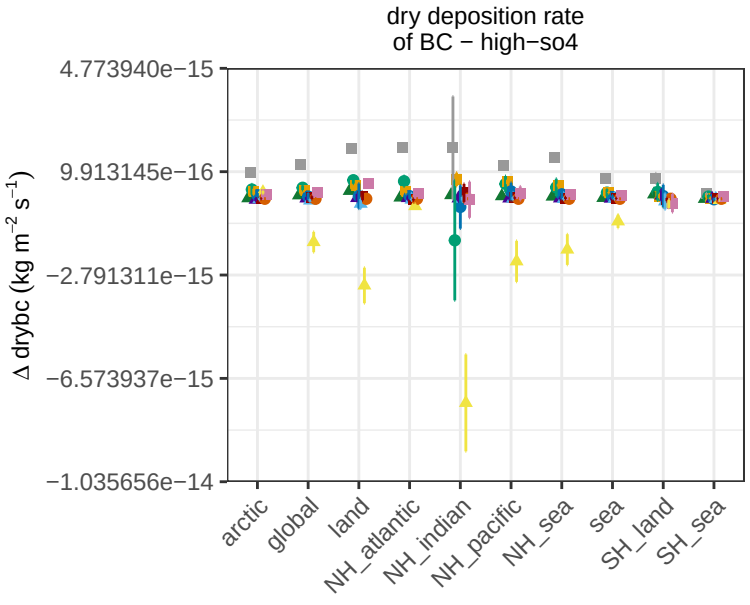
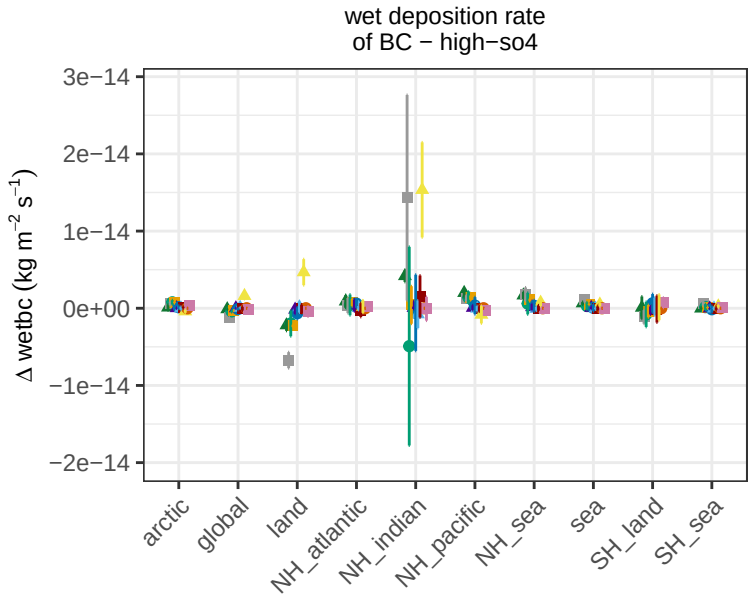
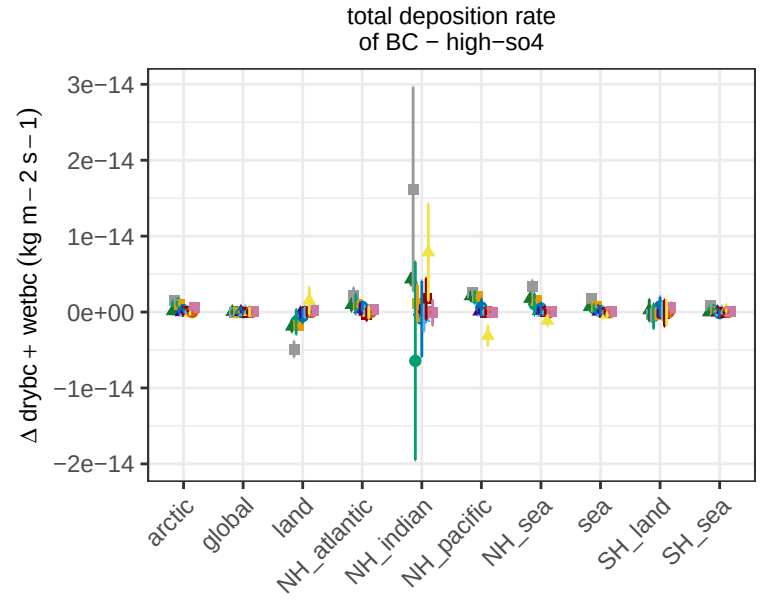
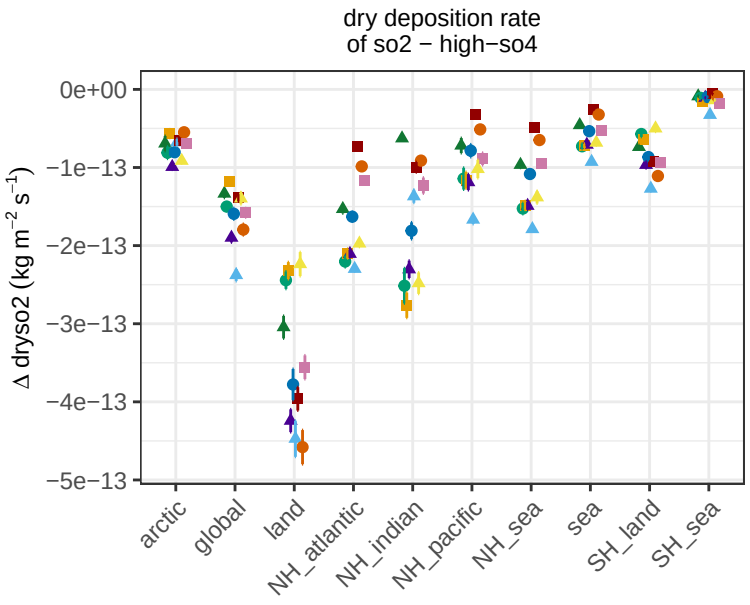
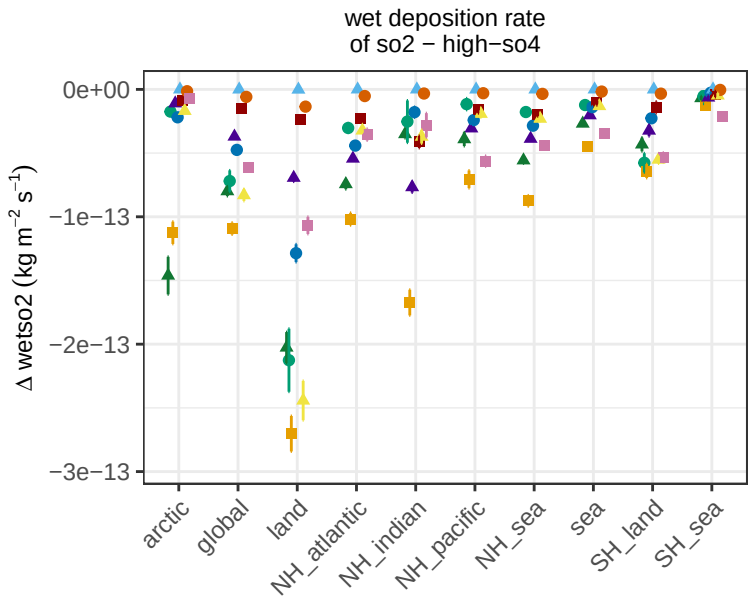
Summary − absolute difference

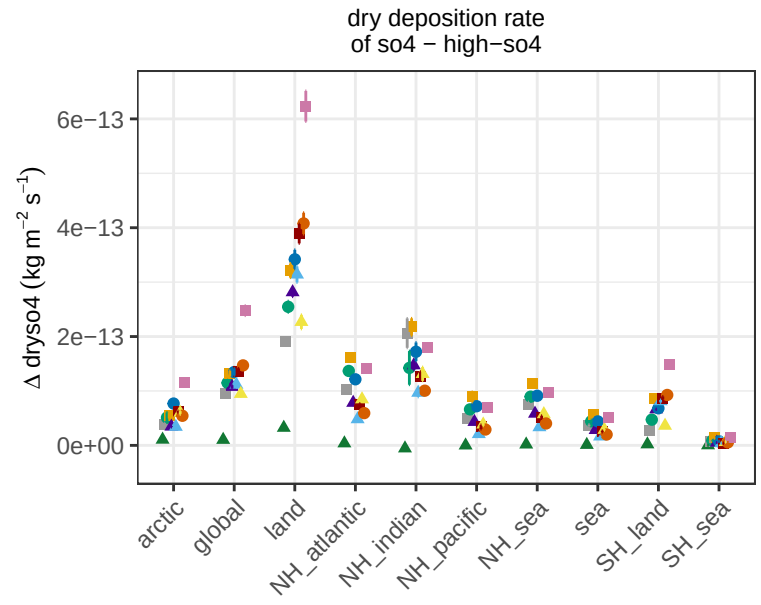


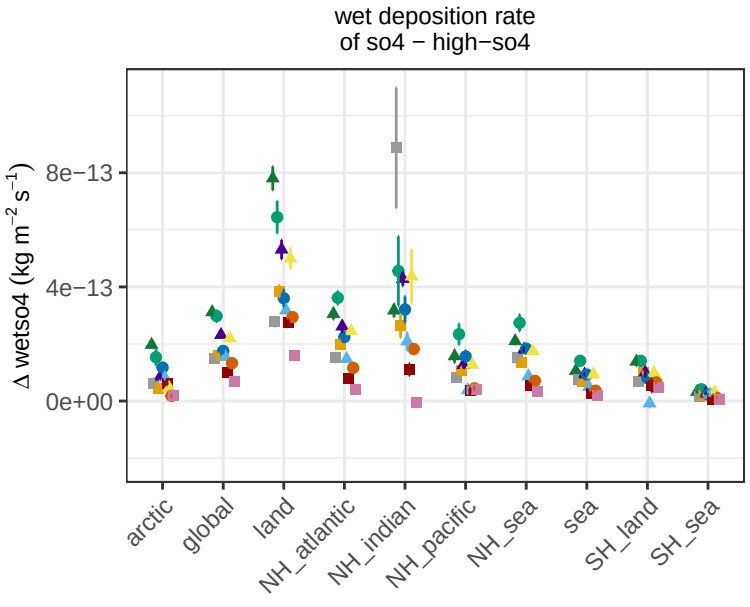


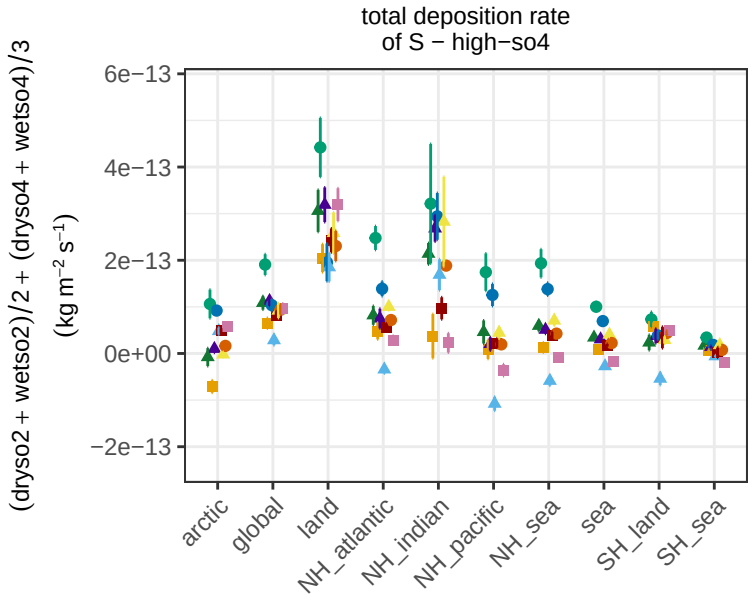












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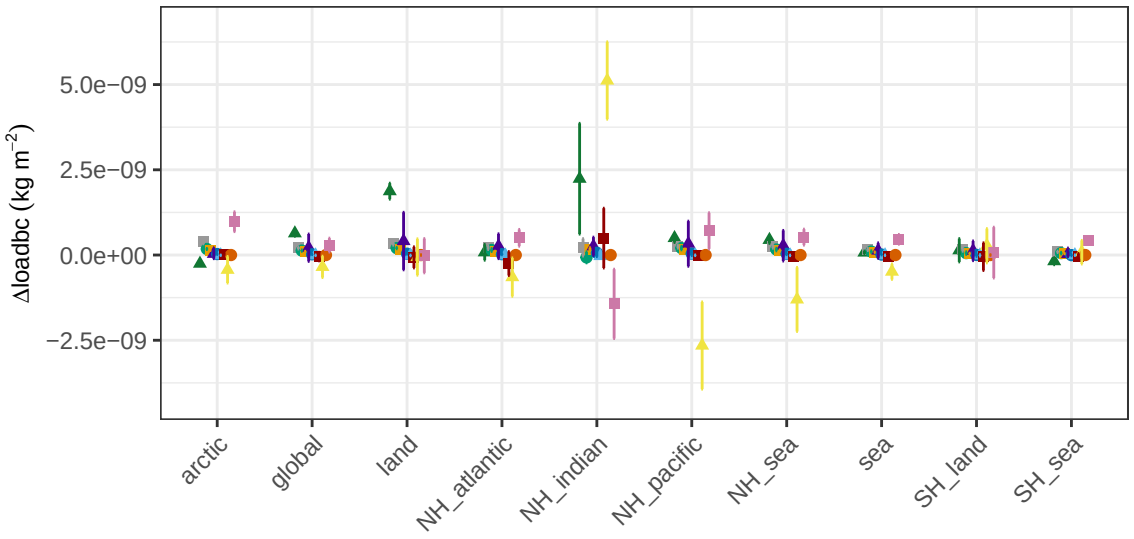
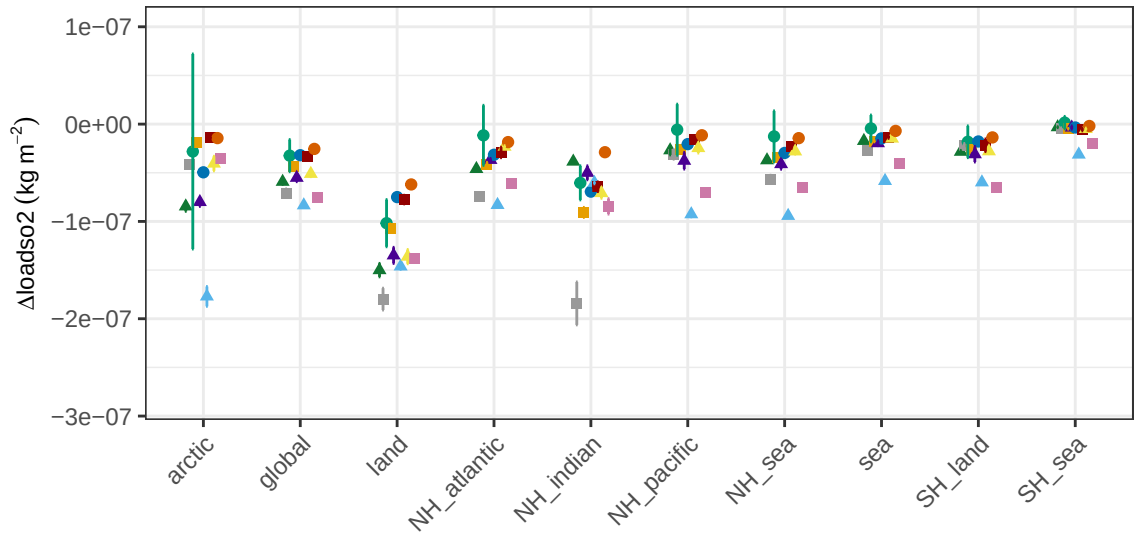
Summary − absolute difference

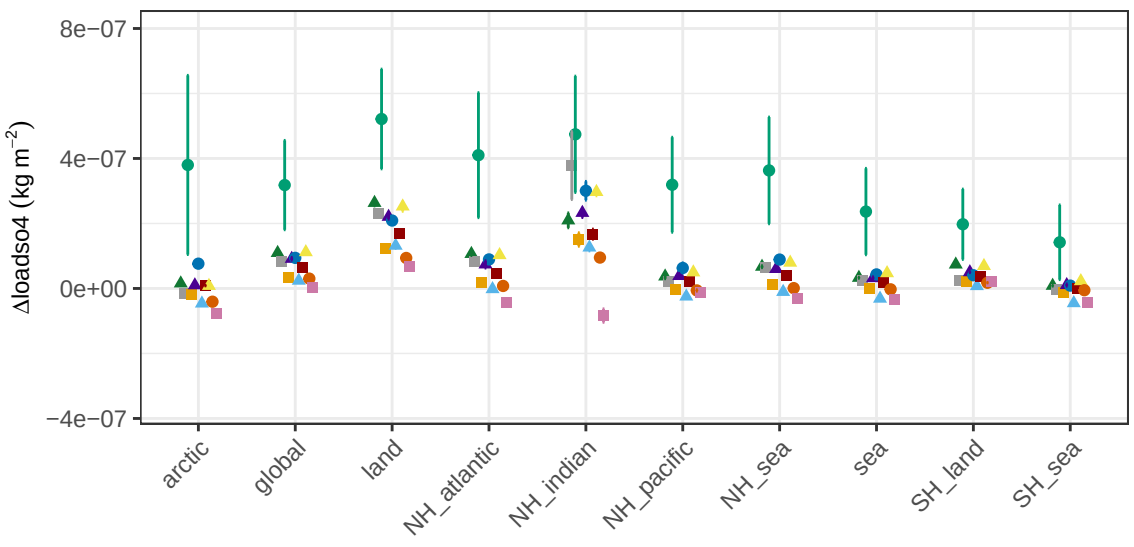
column mass burden of BC
− high−so4



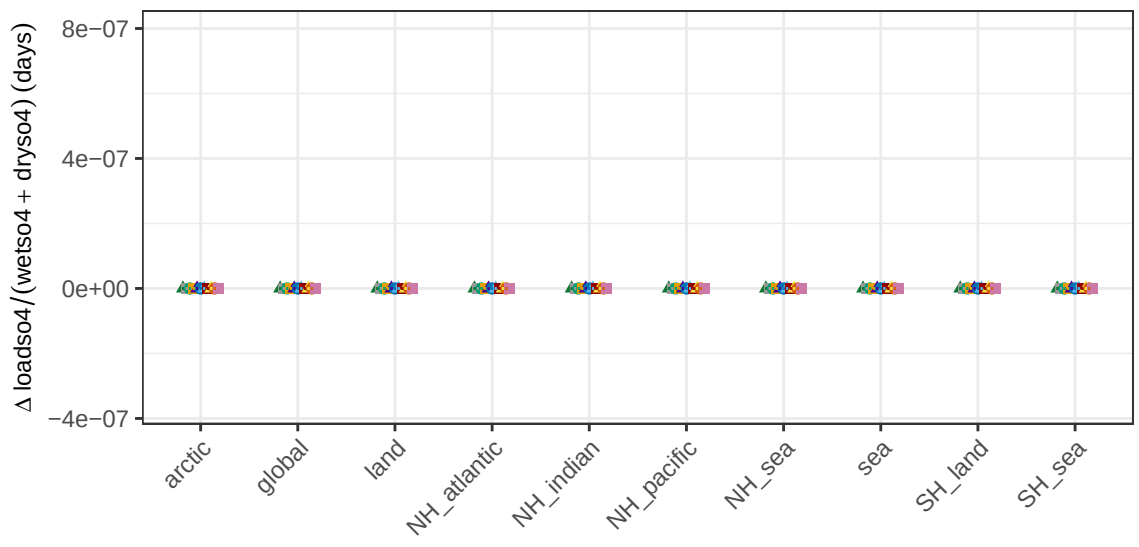
column mass burden of SO2
− high−so4



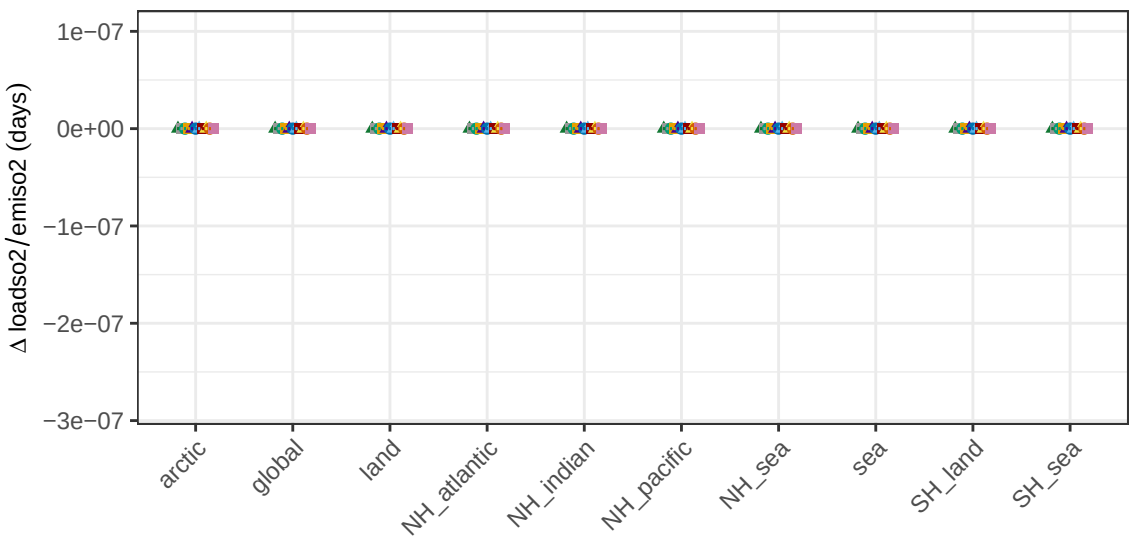
column mass burden of SO4
− high−so4



SO4 lifetime
− high−so4



SO2 timescale
− high−so4



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