Summary – percent difference

Figure panels (clockwise from top left):
- surface flux of BC – bc–no–season (Δ emibc)
- surface flux of SO2 – bc–no–season (Δ emiso2)
- surface concentration of BC – bc–no–season (Δ mmrbc)
- surface concentration of SO4 – bc–no–season (Δ mmrso4)
- surface concentration of SO2 – bc–no–season (Δ so2)
- surface concentration of DMS – bc–no–season (Δ dms)
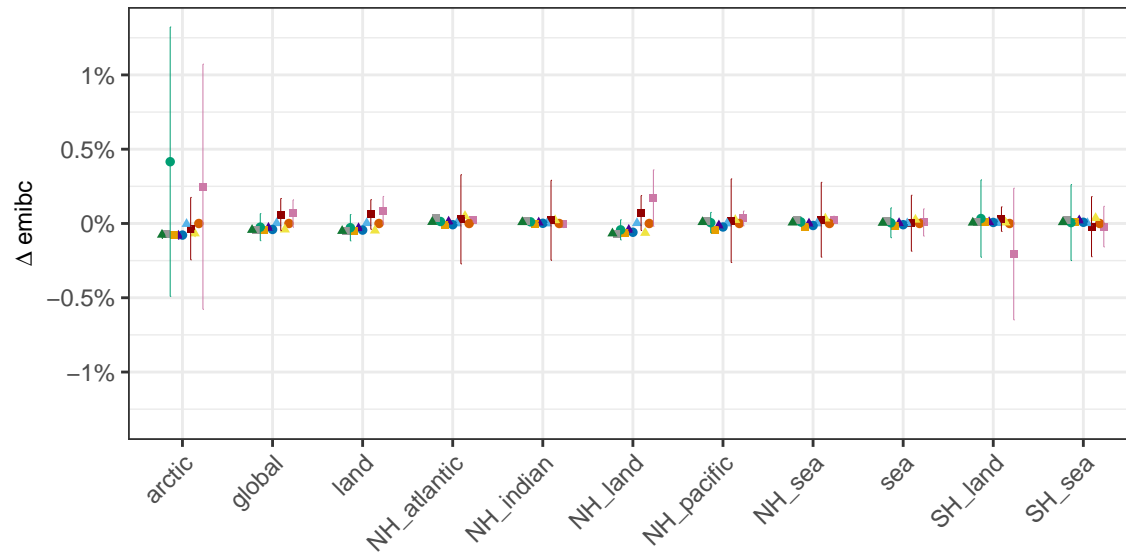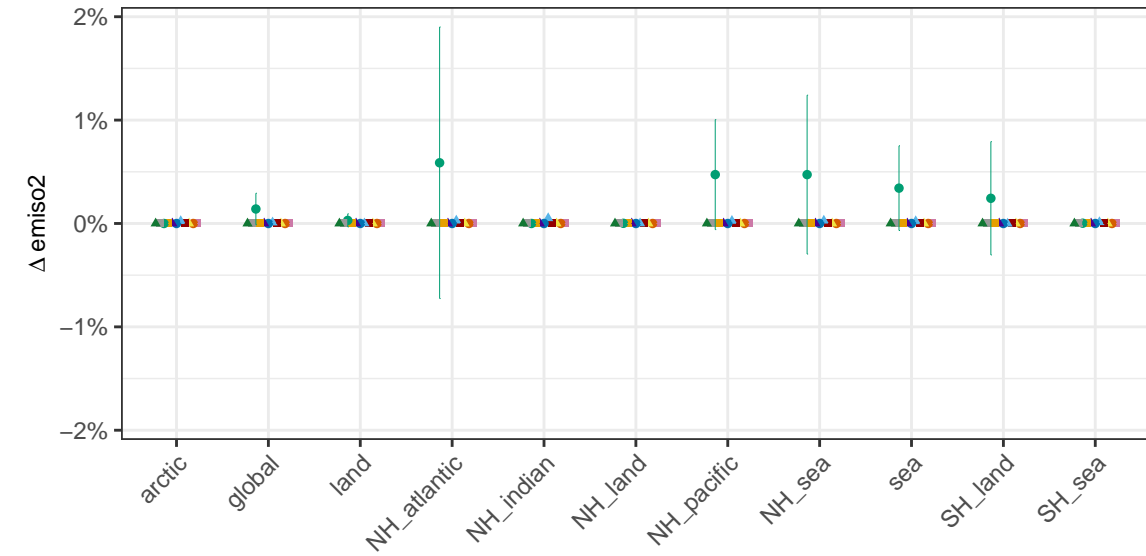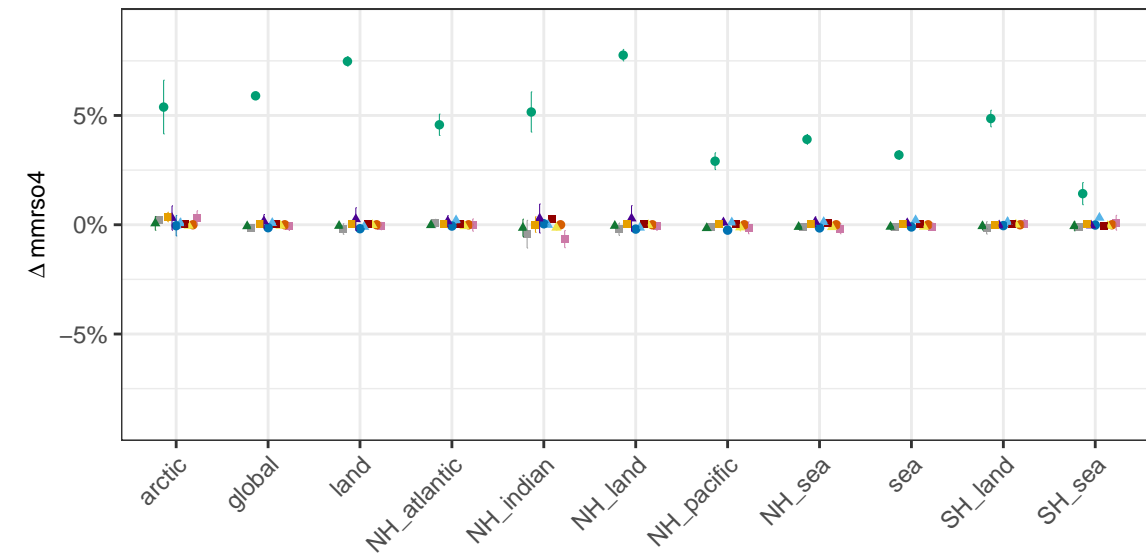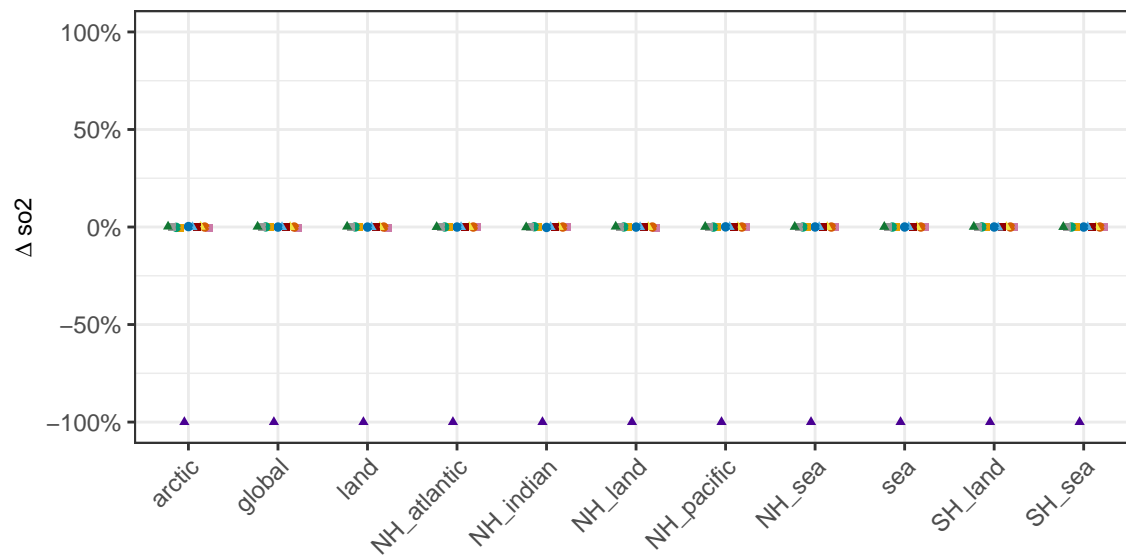
x-axis categories: arctic, global, land, NH_atlantic, NH_indian, NH_land, NH_pacific, NH_sea, sea, SH_land, SH_sea

Legend:
- CAM5
- CESM1
- CESM2
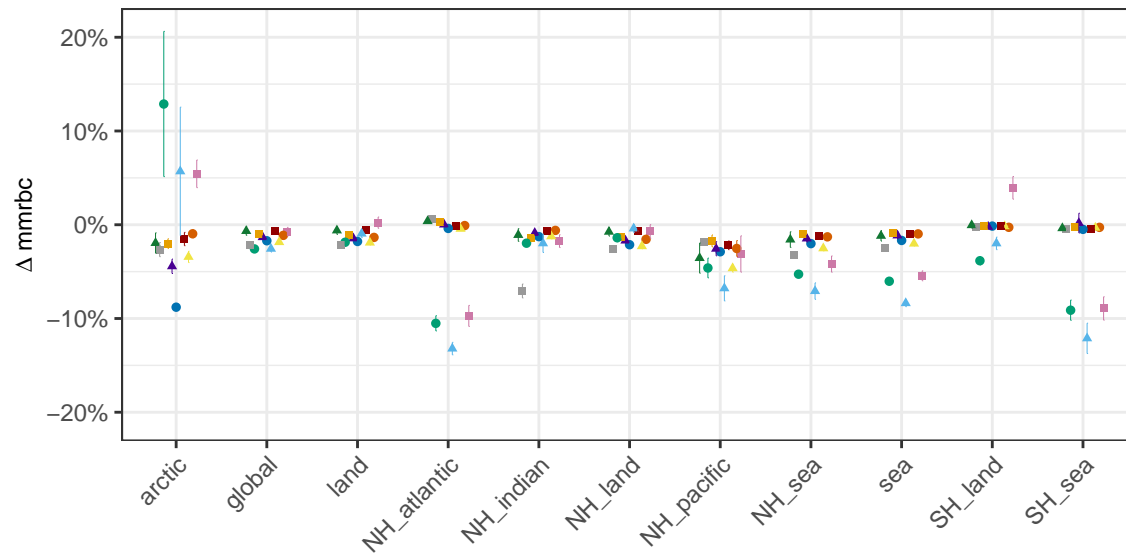- E3SM
- GEOS
- GFDL
- GISS
- MIROC
- NorESM2
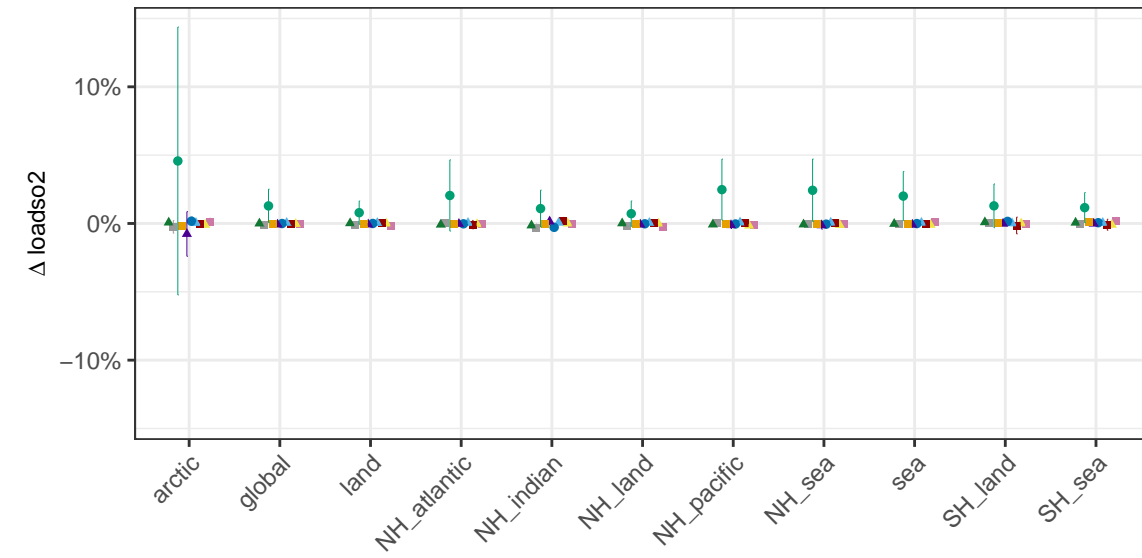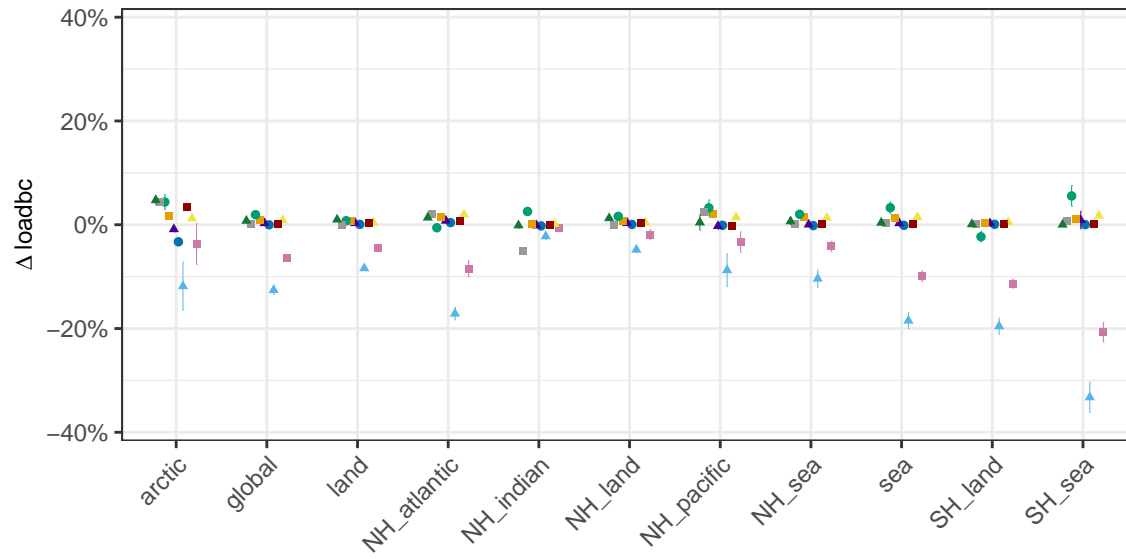- OsloCTM3
- UKESM
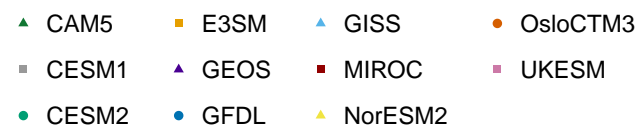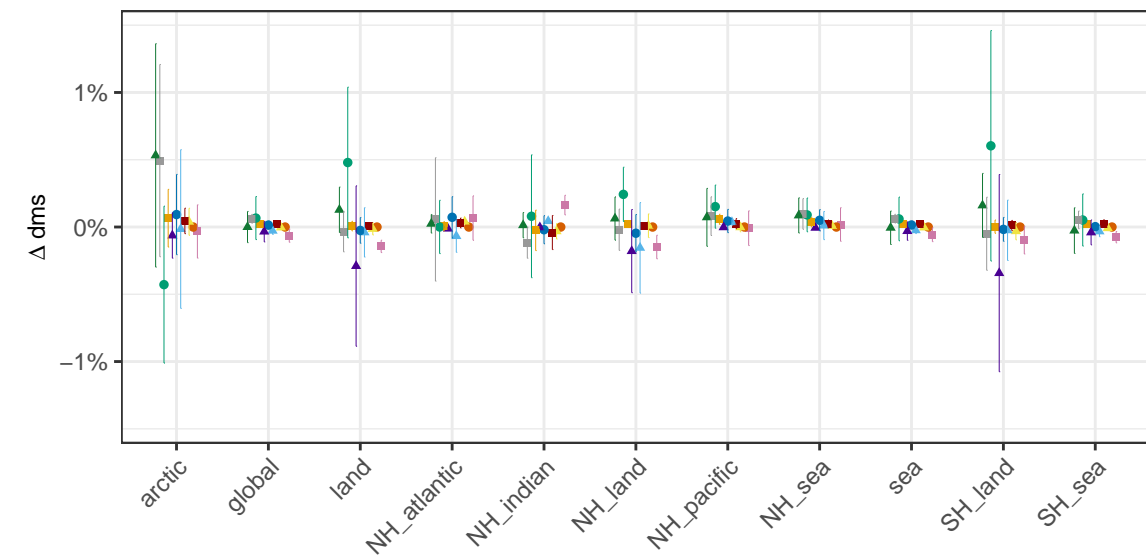
Summary – percent difference
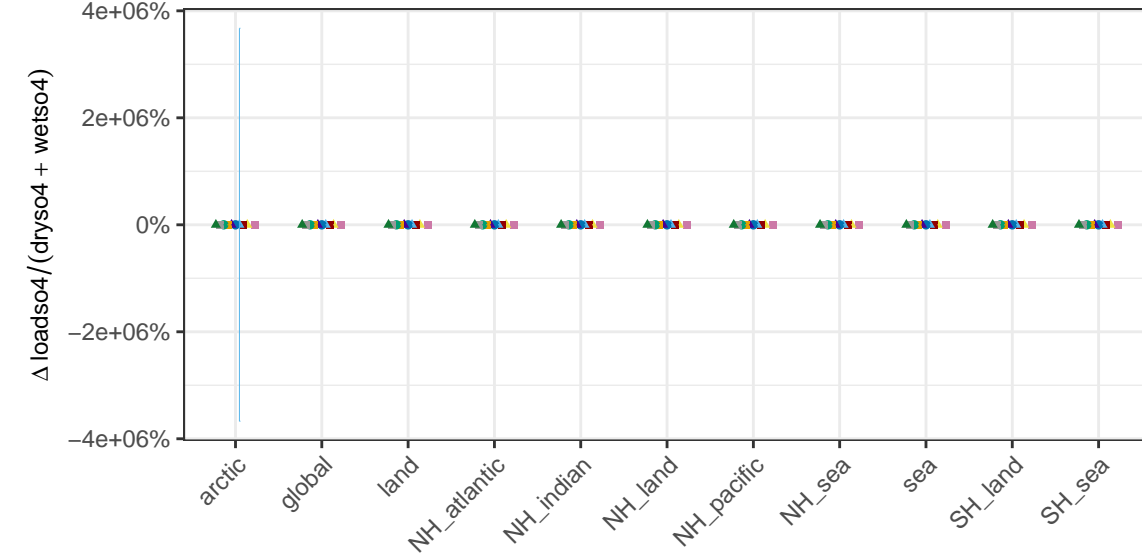
column mass burden of SO4 – bc–no–season
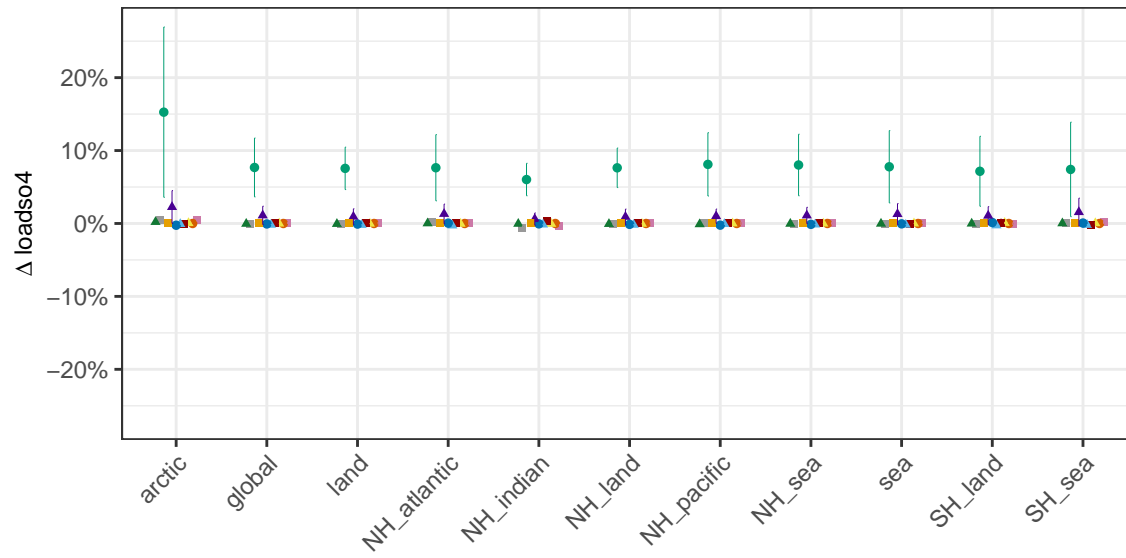
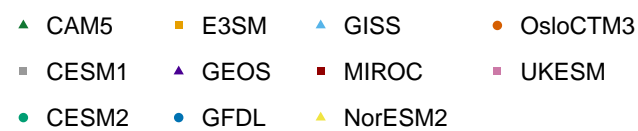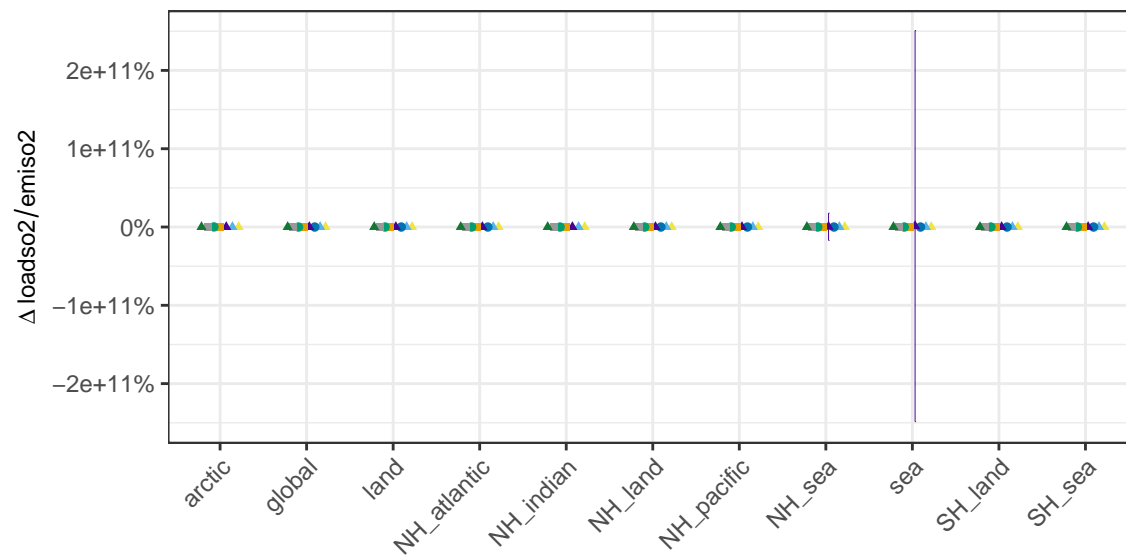column mass burden of SO2 – bc–no–season

column mass burden of BC – bc–no–season

SO4 lifetime – bc–no–season

SO2 timescale – bc–no–season

CAM5   E3SM   GISS   OsloCTM3
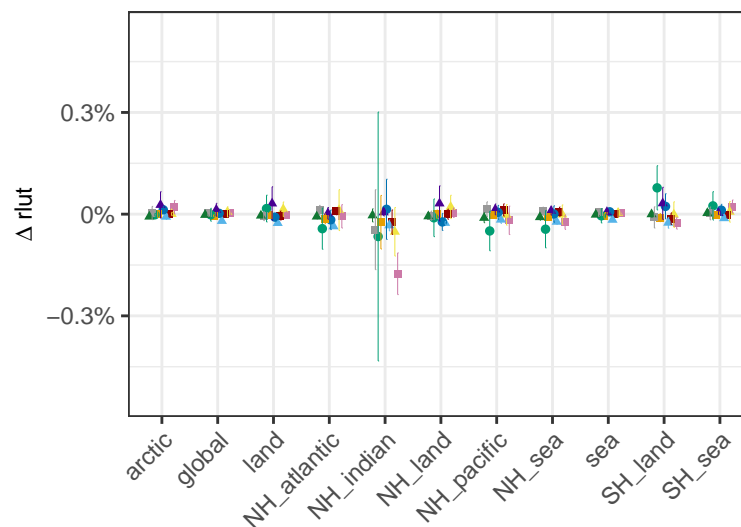CESM1 GEOS   MIROC UKESM
CESM2 GFDL   NorESM2
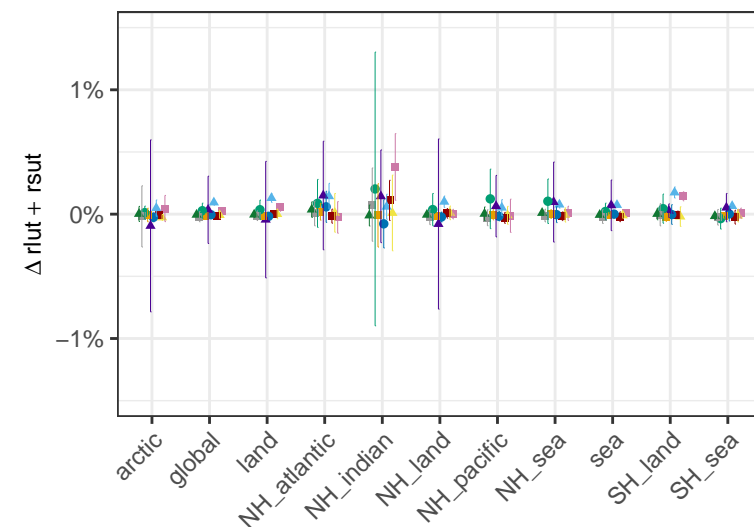
Summary – percent difference

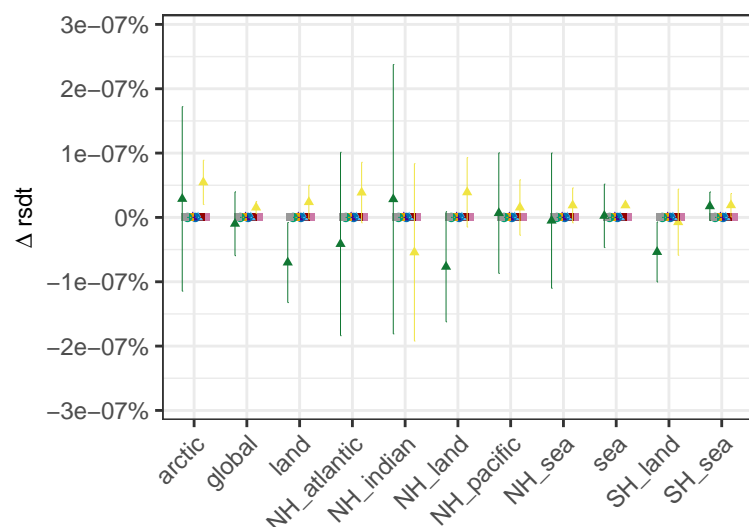upwelling shortwave flux at TOA – bc-no-season
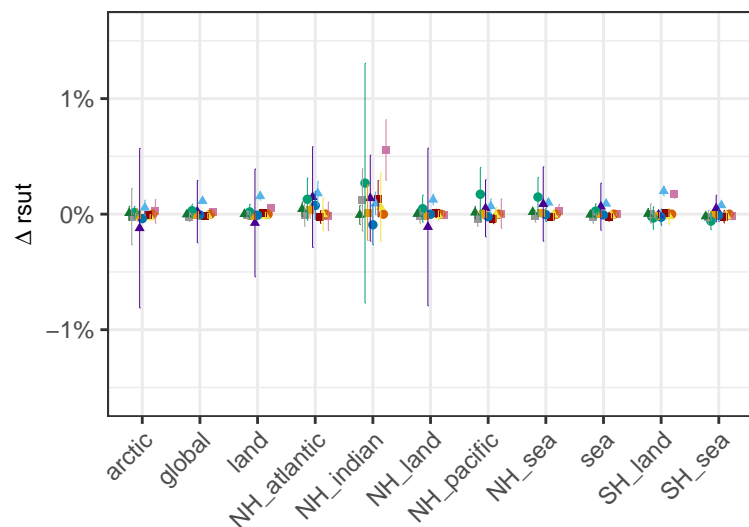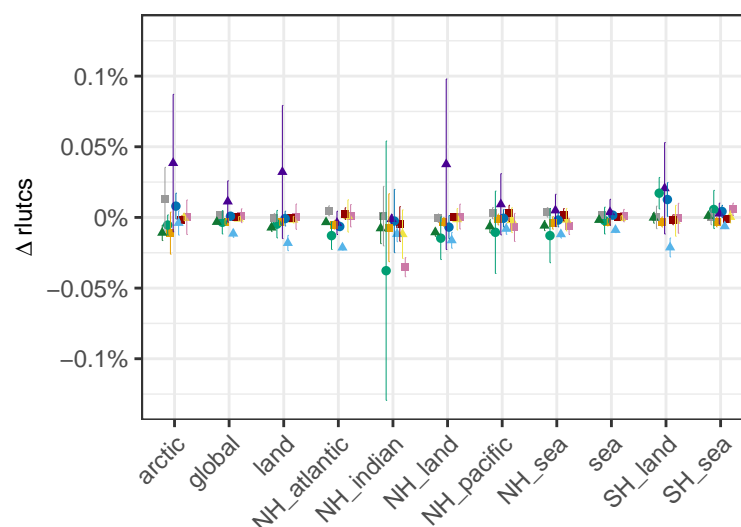
upwelling longwave flux at TOA – bc-no-season

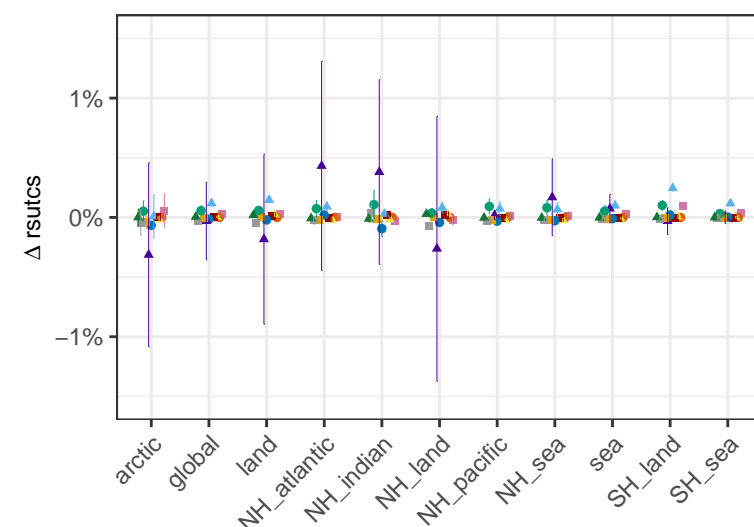net radiative flux at TOA – bc-no-season
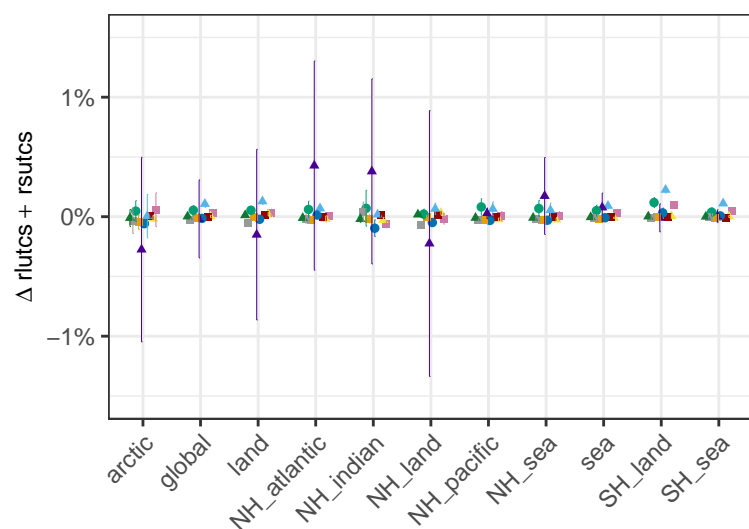
incident shortwave flux at TOA – bc-no-season

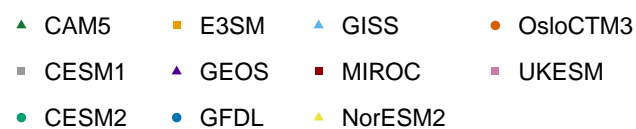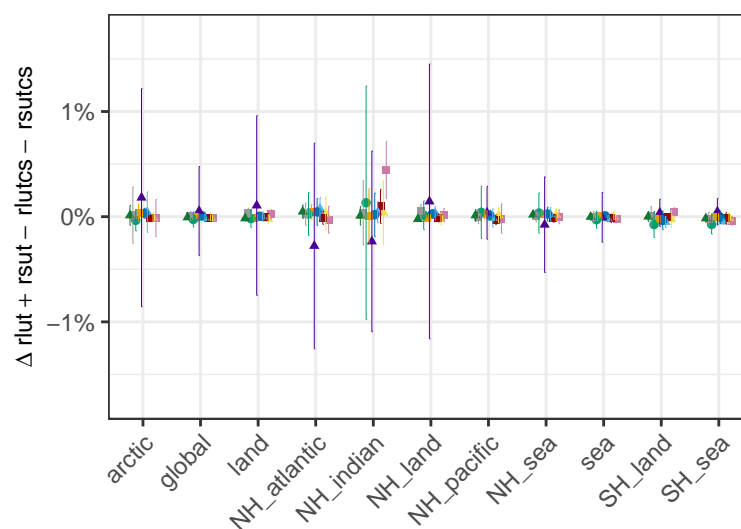upwelling clear-sky longwave flux at TOA – bc-no-season

upwelling clear-sky shortwave flux at TOA – bc-no-season

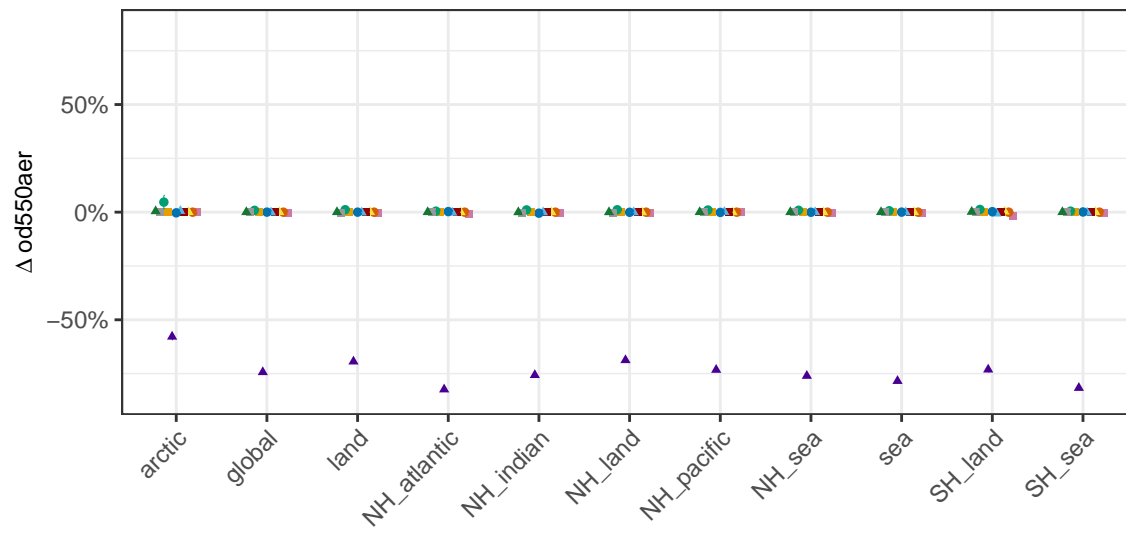clear-sky net radiative flux at TOA – bc-no-season

implied cloud response at TOA – bc-no-season

CAM5 E3SM GISS OsloCTM3
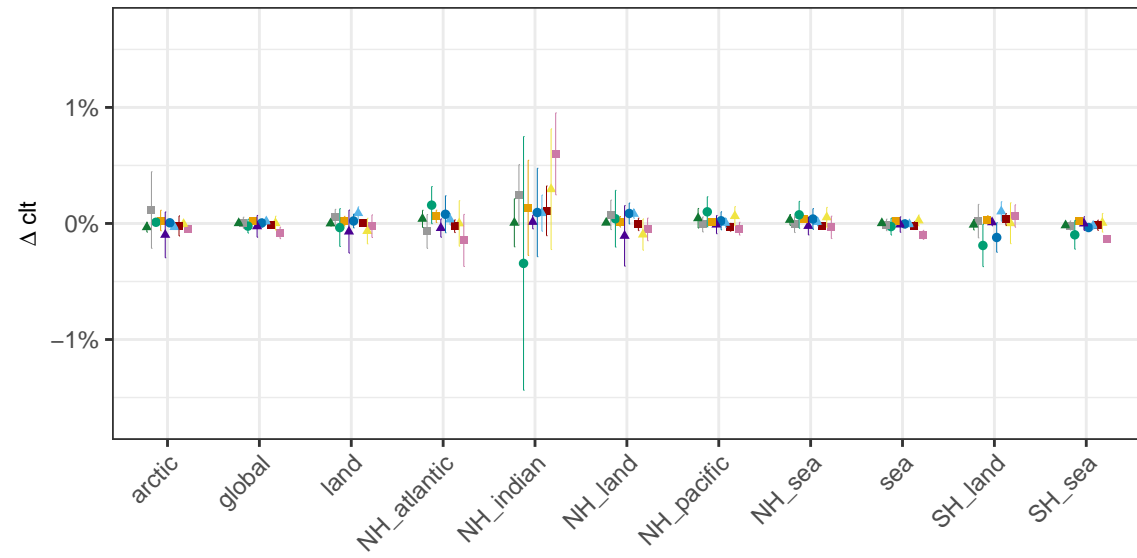CESM1 GEOS MIROC UKESM
CESM2 GFDL NorESM2
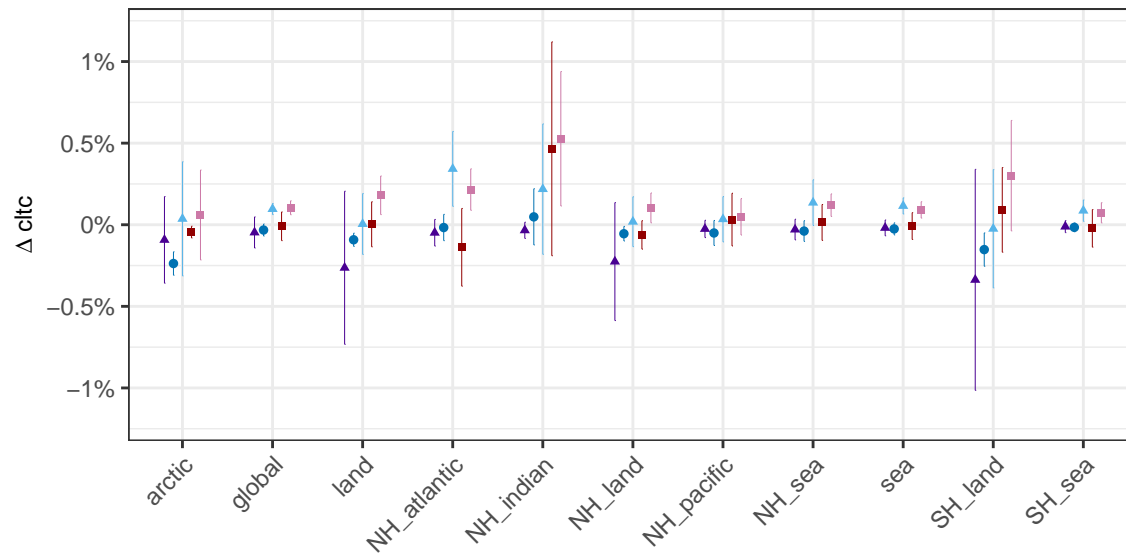
Summary – percent difference

ambient aerosol optical thickness at 550nm – bc–no–season
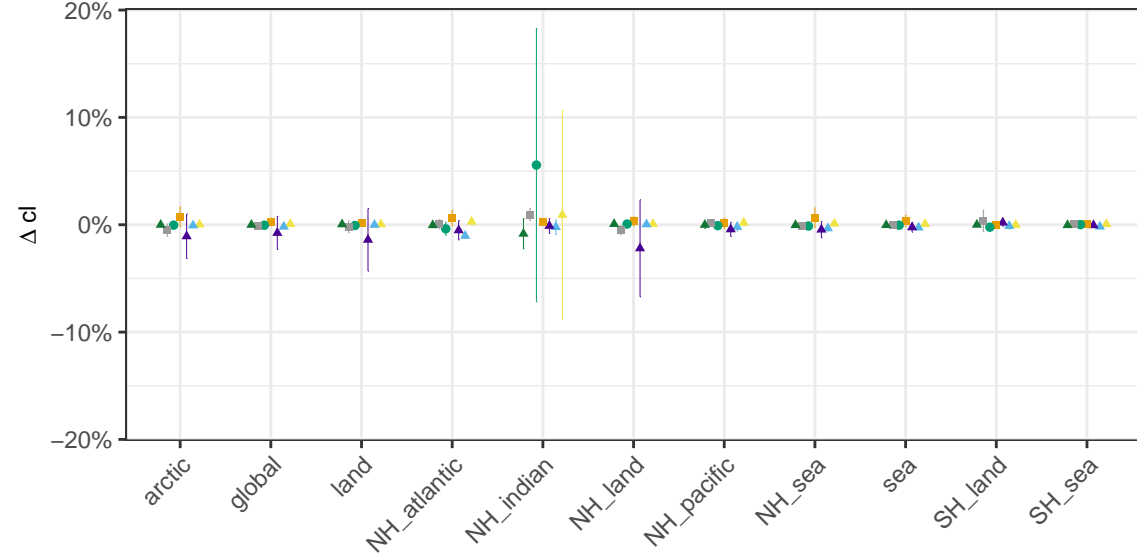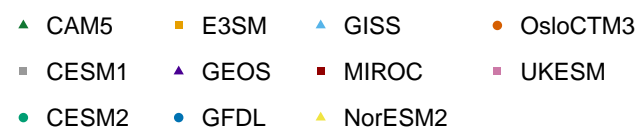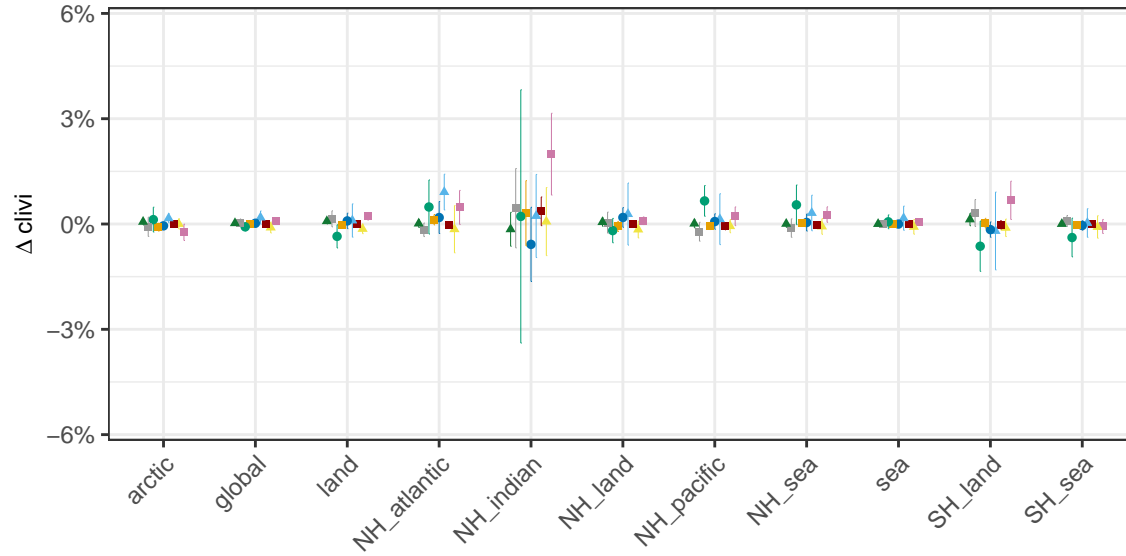

total cloud cover – bc–no–season

convective cloud cover – bc–no–season

surface cloud cover – bc–no–season

ice water path – bc–no–season

Legend:
- CAM5
- CESM1
- CESM2
- E3SM
- GEOS
- GFDL
- GISS
- MIROC
- NorESM2
- OsloCTM3
- UKESM

Summary – percent difference

dry deposition rate of BC – bc–no–season

wet deposition rate of BC – bc–no–season

total deposition rate of BC – bc–no–season

dry deposition rate of so2 – bc–no–season

wet deposition rate of so2 – bc–no–season

dry deposition rate of so4 – bc–no–season

wet deposition rate of so4 – bc–no–season

total deposition rate of S – bc–no–season

CAM5 E3SM GISS OsloCTM3
CESM1 GEOS MIROC UKESM
CESM2 GFDL NorESM2