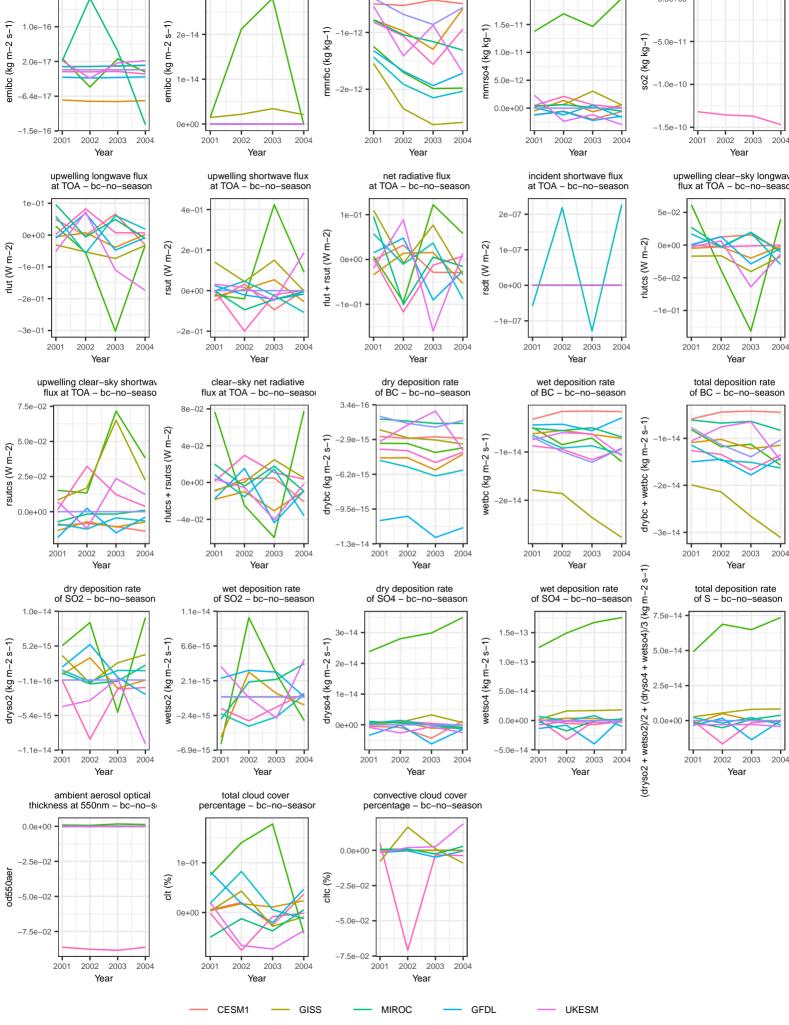
bc-no-season: absolute difference surface flux of SO2 – bc–no–season surface concentration surface concentration of SO4 – bc–no–season surface concentration of SO2 – bc–no–season 0.0e+00 nmrbc (kg kg-1 so2 (kg kg-1) 1.0e mmrso4 (kg 5.0e-12 -1.0e-10 -2e-12 0.00+00 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year upwelling shortwave flux at TOA – bc–no–season incident shortwave flux at TOA – bc-no-season upwelling clear-sky longwav flux at TOA - bc-no-seaso net radiative flux at TOA - bc-no-season 5e-02 rlut + rsut (W m-2) ·lutcs (W m-2) 0e+00 sdt (W m-2) 1e-07 -1e-01 -1e-01 -1e-07 2003 2003 2002 2003 2001 2002 2003 2001 2002 2004 2001 2002 2001 Year Year Year dry deposition rate of BC – bc–no–season clear-sky net radiative wet deposition rate total deposition rate flux at TOA - bc-no-season of BC - bc-no-season of BC - bc-no-season drybc + wetbc (kg m-2 s-1) drybc (kg m-2 s-1) vetbc (kg m-2 : 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year wetso4)/3 (kg m-2 s-1) dry deposition rate of SO4 – bc–no–season wet deposition rate wet deposition rate total deposition rate of SO2 - bc-no-season of SO4 - bc-no-season of S - bc-no-season dryso4 (kg m-2 s-1) wetso4 (kg m-2 s-1) 5.0e-14 2e-1 1.0e-13 (dryso2 + wetso2)/2 + (dryso4 + 5.0e-14 1e-14 0.0e+00 0.0e+000e+00 2001 2002 2003 2001 2003 2001 2002 2003 2003 Year Year Year Year convective cloud cover percentage – bc-no-season total cloud cover 0.0e+00



E3SM

CESM2

NorESM2

OsloCTM3

GEOS

surface flux of BC – bc–no–season

1.9e-16