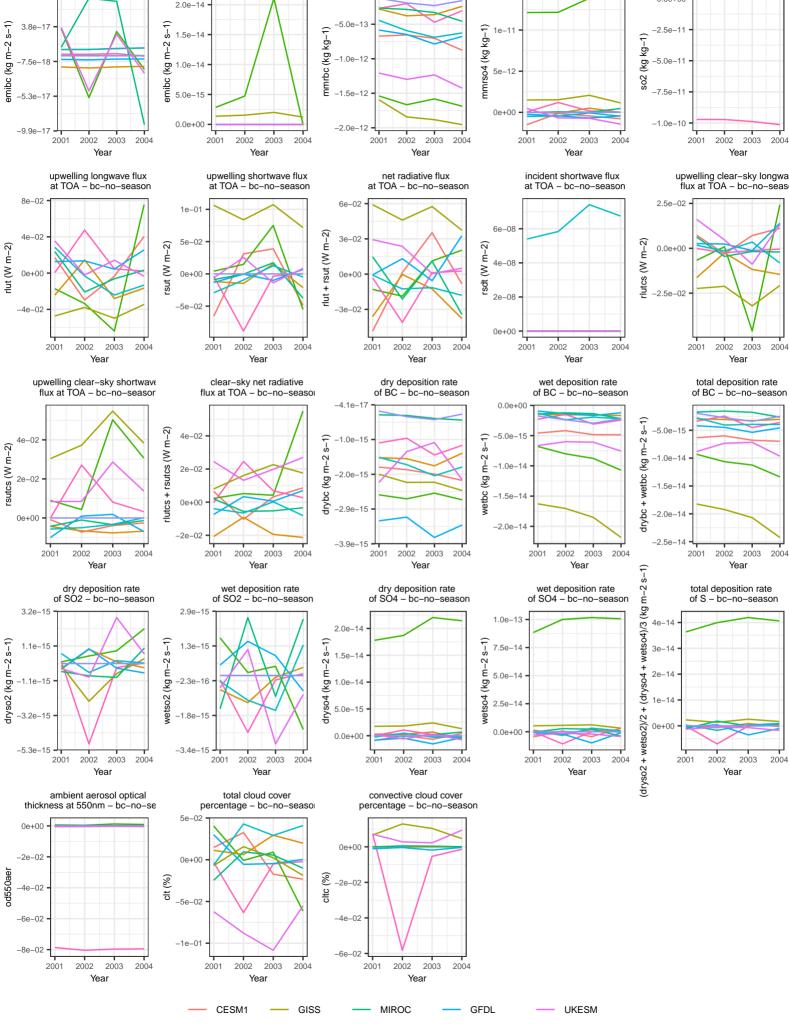
bc-no-season: absolute difference surface flux of SO2 – bc–no–season surface concentration surface concentration of SO4 – bc–no–season surface concentration of SO2 – bc–no–season 0.0e+00 nmrso4 (kg kg-1) mmrbc (kg kg-1) so2 (kg kg-1) -1.0e-12 0e+00 _1 0e_10 -2.0e-2001 2002 2003 2001 2002 2003 2001 2002 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 longwar flux at TOA - bc-no-seaso net radiative flux at TOA - bc-no-season 6e-02 rlut + rsut (W m-2) 3e-02 ·lutcs (W m-2) rsdt (W m-2) 0e+00 -3e-02 0e+00 2003 2003 2003 2001 2002 2003 2001 2002 2004 2001 2002 2001 2002 Year Year Year Year clear-sky net radiative dry deposition rate wet deposition rate total deposition rate flux at TOA - bc-no-season of BC - bc-no-season of BC - bc-no-season of BC - bc-no-season 0.0e+00 (kg m-2 s-1 -5.0e-15 -5.0e-15 drybc (kg m-2 : vetbc (kg m-2 : -1.0e-14 -1.0e-14 -2.0e-14 2001 2002 2003 2001 2002 2003 2001 2002 2003 2002 2003 Year Year Year Year 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 1.0e-13 vetso4)/3 dryso4 (kg m-2 s-1) (kg m-2 s-1 5.0e-14 1.0e-14 <u>g</u> vetso4 5.0e-15 (dryso2 + wetso2)/2 0.0e+00 0.0e+00 2001 2002 2003 2002 2003 2002 2003 2003 Year Year Year Year convective cloud cover percentage – bc-no-season total cloud cover percentage - bc-no-seaso 0e+00 -2e-02



E3SM

CESM2

NorESM2

OsloCTM3

GEOS

surface flux of BC – bc–no–season

8.4e-17