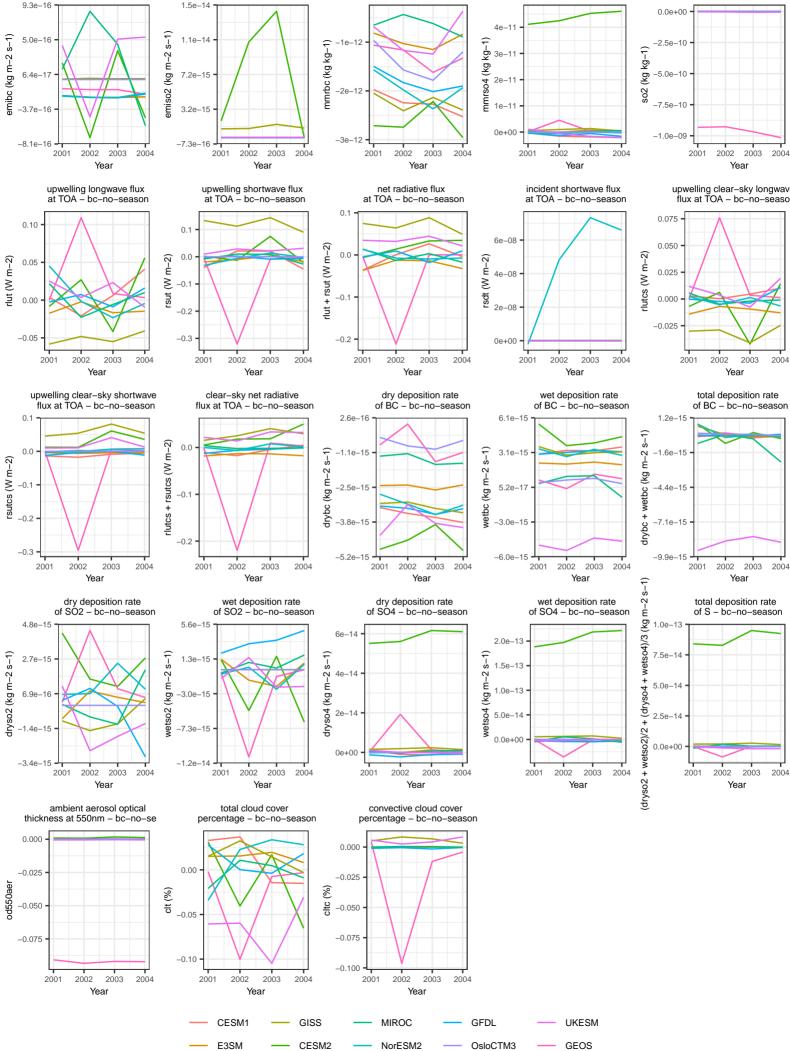
bc-no-season: absolute difference surface flux of SO2 – bc–no–season surface concentration surface concentration of SO4 – bc–no–season surface concentration of SO2 – bc–no–season of BC - bc-no-seasor 0.0e+00 4e-1 nmrbc (kg kg-1) kg_ so2 (kg kg-1) mmrso4 (kg 2e-1 00+00 -1 0e-09 2001 2002 2003 2001 2002 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 longwave flux at TOA - bc-no-season net radiative flux at TOA - bc-no-season 0.075 6e-08 rlut + rsut (W m-2) ·lutcs (W m-2) rsdt (W m-2) 0.025 4e-08 -0.1 0.000 2e-08 -0.025 0e+00 2004 2004 2003 2003 2002 2003 2001 2002 2003 2001 2002 2001 2002 Year Year Year Year clear-sky net radiative dry deposition rate wet deposition rate total deposition rate of BC - 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) wetbc (kg m-2 s-1) 2003 2004 2001 2002 2003 2004 2001 2002 2003 2001 2002 2003 Year Year Year Year (kg m-2 s-1)dry deposition rate of SO4 – bc–no–season wet deposition rate of SO4 – bc–no–season wet deposition rate total deposition rate of SO2 - bc-no-season of S - bc-no-season (dryso2 + wetso2)/2 + (dryso4 + wetso4)/3 2.0e-13 dryso4 (kg m-2 s-1) (kg m-2 s-1 4e-14 5.0e-14 tso4 5.0e-14 0e+002001 2002 2003 2001 2002 2003 2002 2003 2001 2002 2003 Year Year Year Year convective cloud cover total cloud cover percentage - bc-no-season percentage - bc-no-season 0.000 -0.025



surface flux of BC – bc–no–season