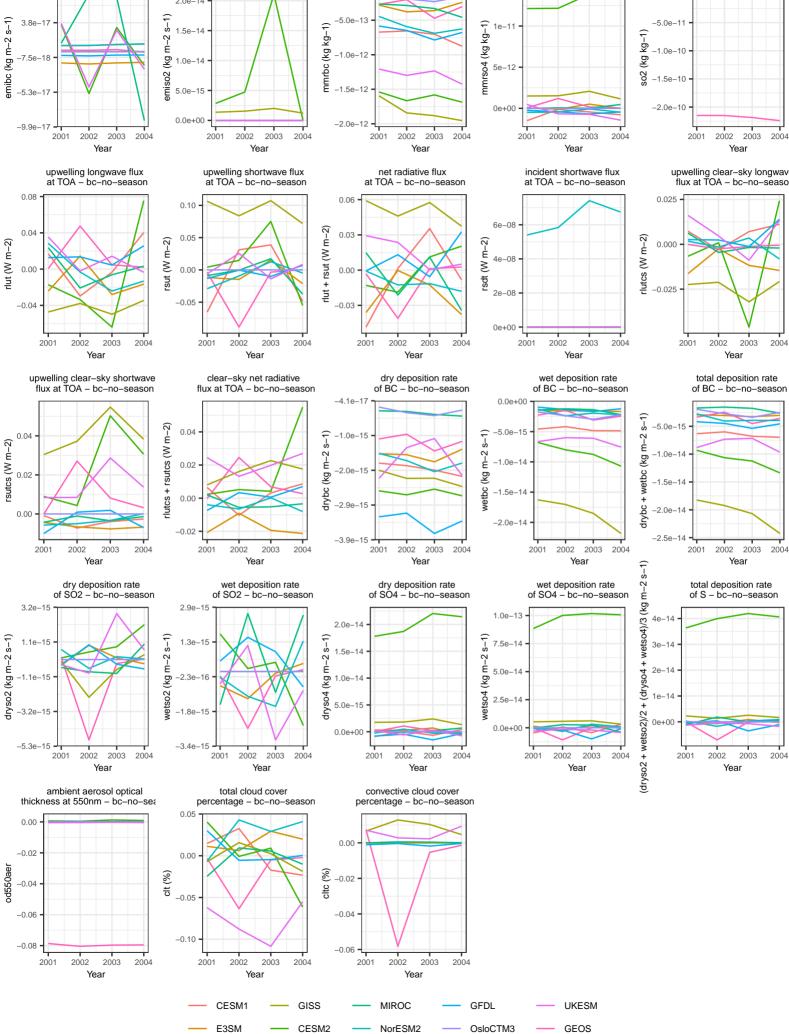
bc-no-season: absolute difference surface flux of SO2 – bc–no–season surface concentration surface concentration of SO4 – bc–no–season surface concentration of SO2 – bc–no–season 0.0e+00 mmrso4 (kg kg-1) mmrbc (kg kg-1) (kg kg-1) -1.0e-12 302 0e+00 -2.0e-10 -2.0e 2001 2002 2003 2001 2002 2003 2001 2002 2003 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 0.06 rlut + rsut (W m-2) 0.03 rlutcs (W m-2) rsdt (W m-2) 0.00 -0.025 -0.03 0e+00 2002 2003 2003 2002 2003 2004 2001 2002 2003 2004 2001 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 0.0e+00 (kg m-2 s-1 -5.0e-15 drybc (kg m-2 s-1 vetbc (kg m-2 : -1.0e-14 -1.0e-14 -2.0e-14 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) vetso4 (kg m-2 s-1 5.0e-14 1.0e-14 + (dr) 5.0e-15 (dryso2 + wetso2)/2 0.0e+00 0.0e+00 2001 2002 2003 2002 2003 2002 2003 2003 Year Year Year Year total cloud cover convective cloud cover percentage - bc-no-season



surface flux of BC – bc–no–season

8.4e-17