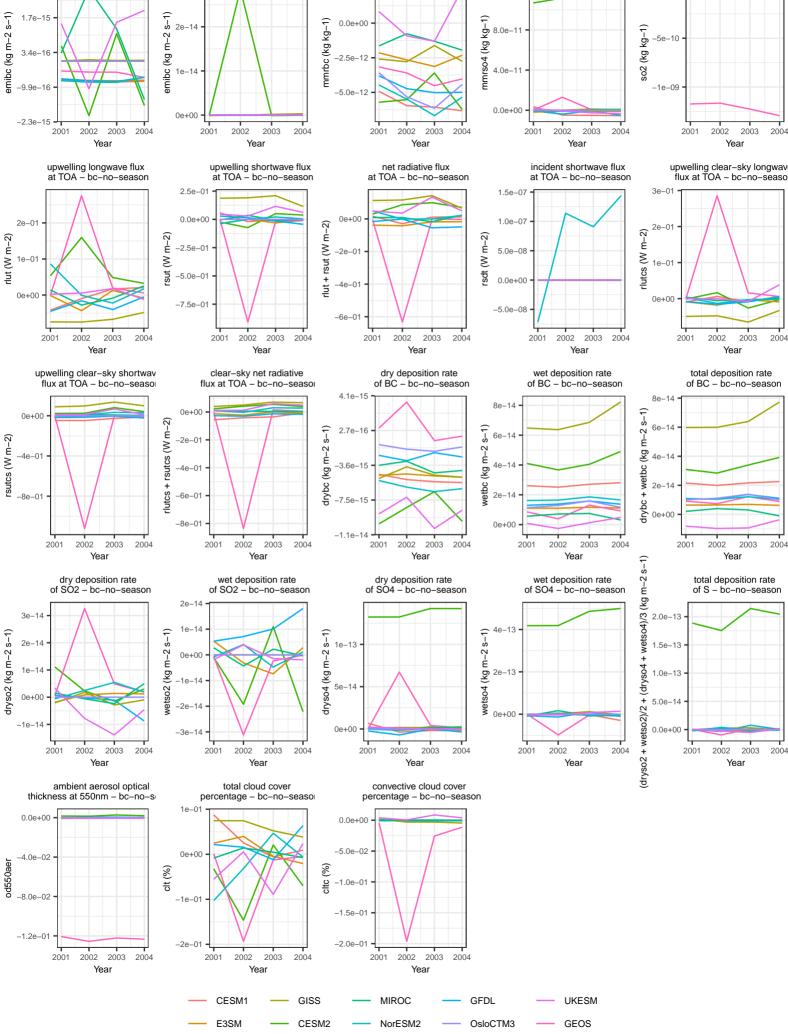
bc-no-season: absolute difference surface flux of SO2 – bc–no–season surface concentration surface concentration of SO4 – bc–no–season surface concentration of SO2 – bc–no–season of BC - bc-no-season 2.5e-12 0e+00 1.2e-10 nmrbc (kg kg-1) 0.0e+00so2 (kg kg-1) mmrso4 (kg -2 5e-12 -1e-09 0.00+00 2001 2002 2003 2001 2002 2003 2001 2002 2003 2002 2003 Year Year Year Year upwelling shortwave flux at TOA – bc–no–season upwelling clear-sky longwave flux at TOA - bc-no-seasor net radiative flux incident shortwave flux at TOA - bc-no-season at TOA - bc-no-season 1.0e-07 rlut + rsut (W m-2) ·lutcs (W m-2) sdt (W m-2) 5.0e-08 -2e-01 1e-01 2003 2003 2002 2003 2002 2003 2001 2002 2001 2002 2004 2001 2001 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 6e-14 drybc (kg m-2 s-1) wetbc (kg m-2 s-1) drybc + wetbc (kg m-2 0e+00 0e+00 2001 2002 2003 2004 2001 2003 2004 2003 2001 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 wetso4)/3 dryso4 (kg m-2 s-1) wetso4 (kg m-2 s-1) (dryso2 + wetso2)/2 + (dryso4 1.0e-13 5.0e-14 2001 2002 2003 2001 2002 2003 2001 2003 2002 2003 Year Year Year Year convective cloud cover percentage – bc-no-season total cloud cover 0.0e+00 -5.0e-02



surface flux of BC – bc–no–season

3.0e-15