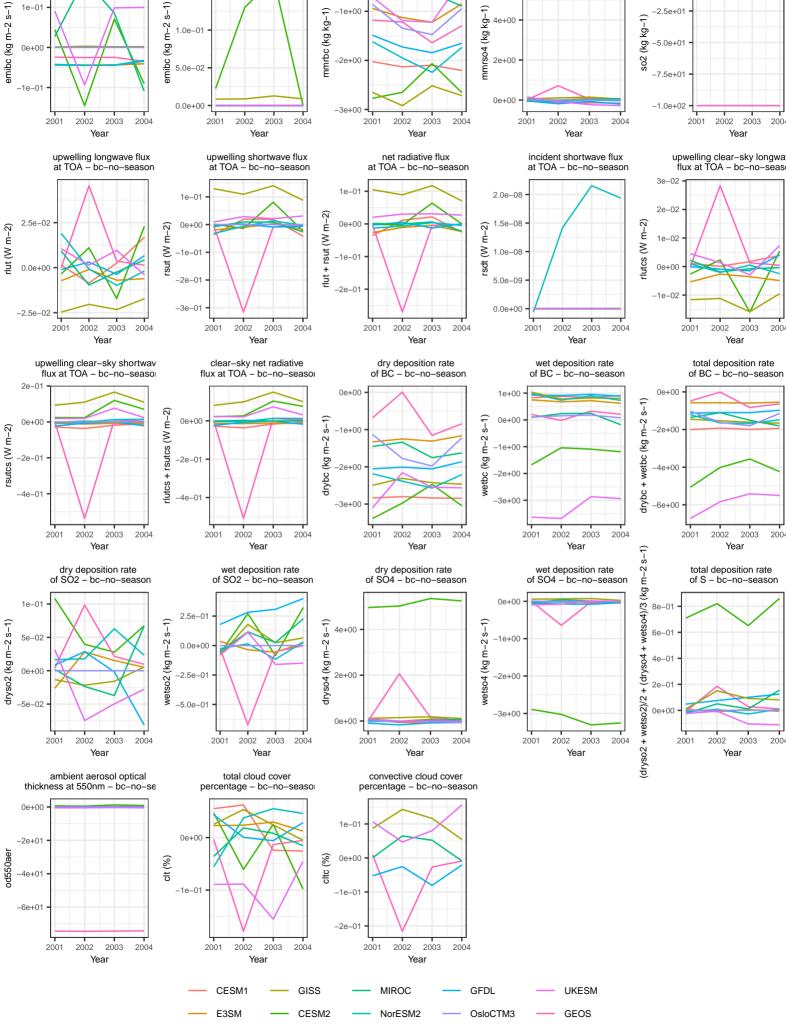
## bc-no-season: absolute difference surface flux of SO2 – bc–no–season surface concentration of SO4 – bc–no–season surface concentration surface concentration of SO2 – bc–no–season of BC - bc-no-seasor 0.0e+00 6e+00 1.5e-01 -1e+00 4e+00 nmrbc (kg kgso2 (kg kg-1) 1.0e-01 mmrso4 (kg -5.0e+01 2e+00 \_7 5e+01 00+00 0.0e+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 1e-01 2e-02 rlut + rsut (W m-2) 0e+00 0e+00 1.5e-08 ·lutcs (W m-2) 1e-02 sdt (W) 1.0e-08 -1e-01 -1e-01 0e+00 -2e-01 5.0e-09 -1e-02 0.0e+00 2003 2002 2003 2001 2002 2003 2004 2001 2002 2003 2004 2001 2002 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 0e+00 drybc + wetbc (kg m-2 s-1) wetbc (kg m-2 s-1) 0e+00 drybc (kg m-2 s-1) -1e+00 -2e+00 -1e+00 -2e-01 -2e+00 -4e+00 -2e+00-4e-01 -3e+00 -3e+00 -6e+00 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year wet deposition rate of SO4 – bc–no–season wet deposition rate dry deposition rate total deposition rate of SO2 - bc-no-season of SO4 - bc-no-season of S - bc-no-season 0e+00 wetso4)/3 8e-01 2.5e-01 dryso4 (kg m-2 s-1) wetso4 (kg m-2 s-1) -1e+00 0.0e+00 /so4 + -2.5e-01 2e+00 + (dr) -2e+00 2e-01 (dryso2 + wetso2)/2 -5.0e-01 0e+00 -3e+00 0e+00 2001 2002 2003 2001 2002 2003 2001 2002 2003 2003 Year Year Year Year convective cloud cover percentage – bc-no-season total cloud cover cltc (%) 0e+00



surface flux of BC – bc–no–season

1e-01