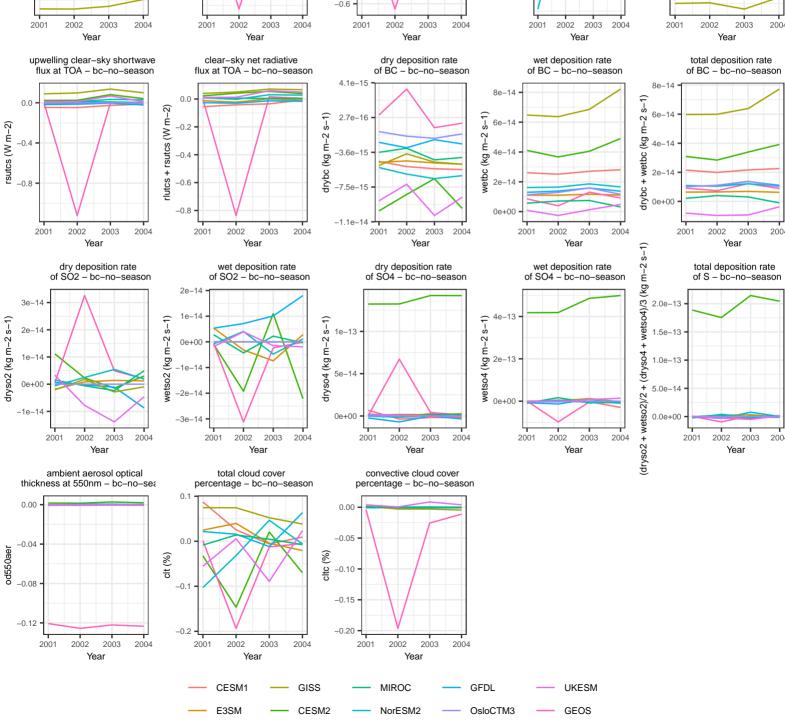
bc-no-season: absolute difference surface flux of SO2 – bc–no–season surface concentration of BC – bc–no–season surface concentration of SO4 – bc–no–season surface concentration of SO2 – bc–no–season 2.5e-12 0e+00 1.2e-10 nmrbc (kg kg-1) 0.0e + 0.0so2 (kg kg-1) mmrso4 (kg -2 5e-12 0.00+00 2001 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year upwelling shortwave flux at TOA – bc–no–season upwelling clear-sky longwave flux at TOA - bc-no-season net radiative flux incident shortwave flux at TOA - bc-no-season at TOA - bc-no-season 0.0 1.0e-07 rlut + rsut (W m-2) 0.2 ·lutcs (W m-2) sdt (W m-2) 5.0e-08 -0.2 0.1 2004 2002 2003 2002 2003 2002 2003 2001 2002 2003 2004 2001 2001 Year Year Year Year dry deposition rate of BC – bc–no–season clear-sky net radiative wet deposition rate total deposition rate 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 2003 2004 2001 2002 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 5.0e-14 2001 2003 2001 2002 2003 2001 2003 2001 2002 2003 Year Year Year Year convective cloud cover total cloud cover percentage - bc-no-season



surface flux of BC – bc–no–season

2003

Year

upwelling longwave flux at TOA – bc-no-season

emiso2 (kg m-2

0.00

-0.25

-0.50

-0.75

sut (W m-2)

3.0e-15

3.4e-16

-9.9e-16

-2.3e-15

0.2

0.1

rlut (W m-2)

2001

emibc (kg m-2 s-1)