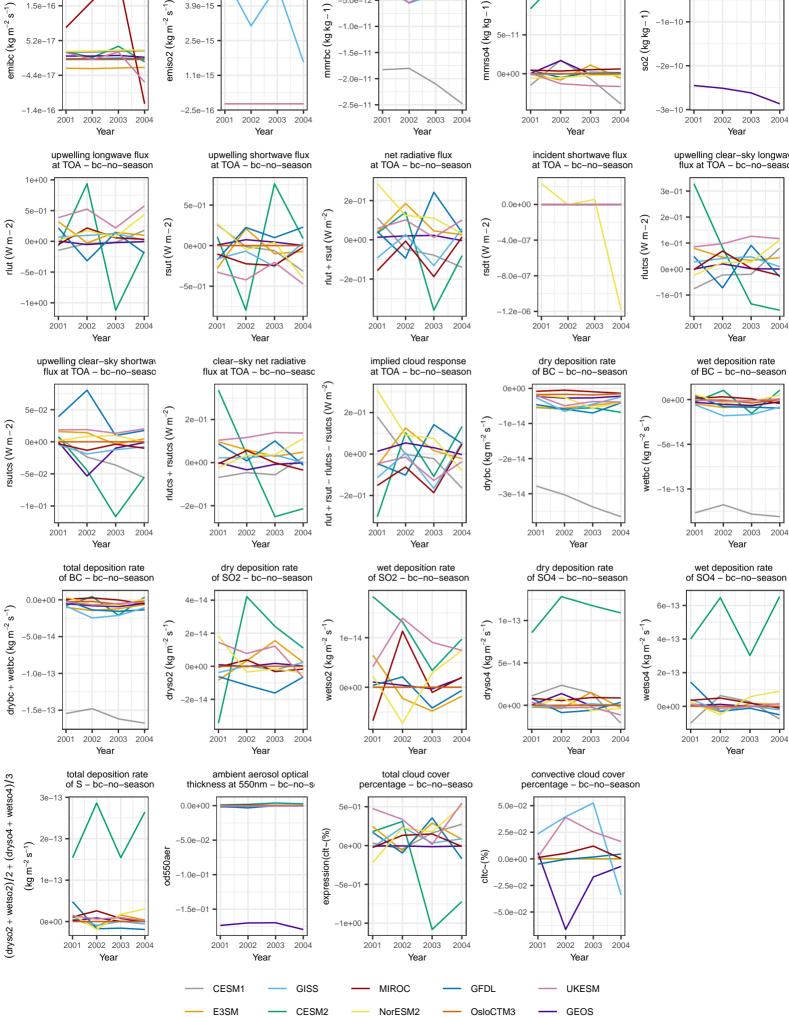
NH-indian: absolute difference surface flux of SO2 – bc–no–season surface concentration surface concentration of SO4 – bc–no–season surface concentration of SO2 – bc–no–season 5.3e-15 0.0e + 000e+00 mmrso4 (kg kg – 1) mmrbc (kg kg – 1) so2 (kg kg – 1) 2002 2003 2003 2003 2002 2003 2001 2002 2002 2001 2001 2001 Year Year Year Year upwelling clear-sky longway flux at TOA - bc-no-seaso net radiative flux incident shortwave flux at TOA - bc-no-season at TOA - bc-no-season 3e-01 $rlut + rsut (W m^{-2})$ 2e-01 rlutcs (W m-2) rsdt(Wm-2)0e+00 4.0e-07 1e-01 0e+00 -2e-01 -1e-01 -1.2e-06 2003 2003 2003 2002 2003 2001 2002 2001 2002 2001 2002 Year Year Year Year clear-sky net radiative implied cloud response dry deposition rate wet deposition rate at TOA - bc-no-season of BC - bc-no-season of BC - bc-no-season + rsut - rlutcs - rsutcs (W m⁻²) 2e-01 wetbc $(kg m^{-2} s^{-1})$ drybc (kg $m^{-2} s^{-1}$) 0e+00 -2e-01 2002 2003 2001 2002 2003 2001 2002 2003 2001 2002 2003 Year Year Year Year dry deposition rate wet deposition rate dry deposition rate wet deposition rate of SO2 - bc-no-season of SO2 - bc-no-season of SO4 - bc-no-season 6e-13 wetso2 (kg m $^{-2}$ s $^{-1}$) dryso4 (kg m $^{-2}$ s $^{-1}$) wetso4 (kg m⁻² s⁻¹) 0e+00 2003 2003 2001 2003 2003 Year Year convective cloud cover percentage – bc-no-season ambient aerosol optical total cloud cover percentage – bc-no-seaso 5.0e-02



surface flux of BC – bc–no–season

2.4e-16