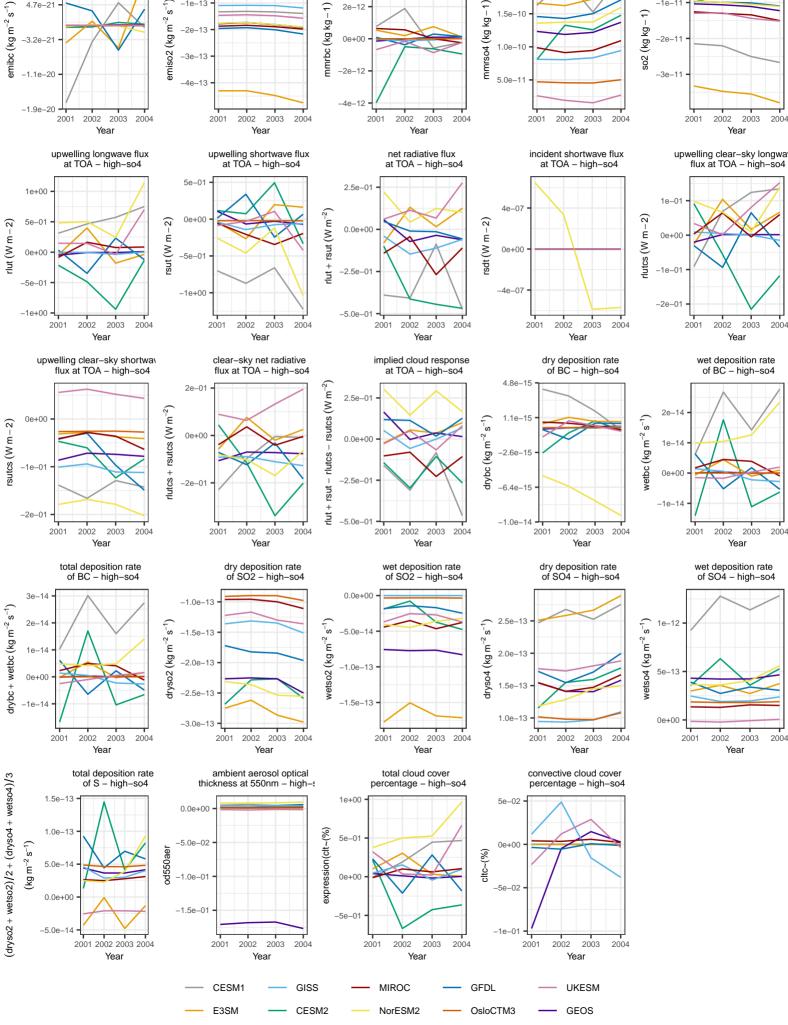
NH-indian: absolute difference surface flux of SO2 – high–so4 surface concentration of SO4 – high–so4 surface concentration surface concentration of SO2 – high–so4 0e+00 2 0e-10 -1e-13 mmrso4 (kg kg – 1) mmrbc (kg kg – 1) so2 (kg kg-1) 5.0e-1 2001 2002 2003 2003 2001 2002 2003 2002 2003 2001 2002 2001 Year Year Year Year net radiative flux at TOA – high–so4 incident shortwave flux at TOA – high–so4 upwelling clear-sky longway flux at TOA - high-so4 2.5e-01 1e-01 4e-07 $rlut + rsut (W m^{-2})$ rlutcs (W m-2) sdt(Wm-2)0.0e+00 0e+00 -1e-∩1 -4e-07 2002 2003 2002 2003 2002 2003 2003 2001 2001 2001 2001 2002 Year Year Year dry deposition rate of BC – high–so4 clear-sky net radiative implied cloud response wet deposition rate flux at TOA - high-so4 at TOA - high-so4 of BC - high-so4 rsut - rlutcs - rsutcs (W m-2 $drybc (kg m^{-2} s^{-1})$ wetbc $(kg m^{-2} s^{-1})$ 0.0e+00 1e-0e+00 2001 2002 2003 2001 2002 2003 2004 2001 2002 2003 2001 2002 2003 Year Year Year Year dry deposition rate of SO2 – high–so4 wet deposition rate of SO2 – high–so4 dry deposition rate of SO4 – high–so4 wet deposition rate of SO4 – high–so4 wetso2 (kg m⁻² s⁻¹) dryso4 (kg m⁻² s⁻¹) wetso4 (kg $\mathrm{m}^{-2} \mathrm{s}^{-1}$ -5.0e-14 1.0e-13 2002 2003 2002 2003 2002 2003 2002 2003 Year Year Year ambient aerosol optical total cloud cover convective cloud cover percentage - high-so4 1e+00 5e-02 5e-01 0e+00



surface flux of BC – high–so4

1.3e-20