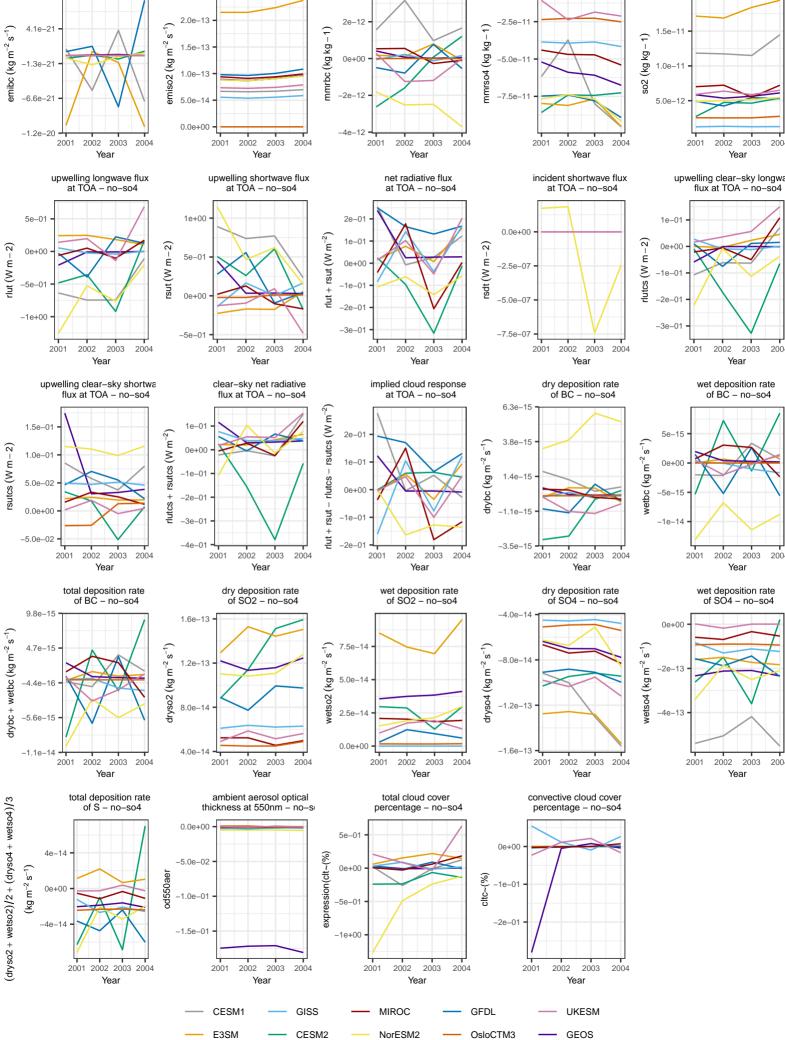
NH-indian: absolute difference surface flux of SO2 – no–so4 surface concentration surface concentration of SO4 – no–so4 surface concentration of SO2 – no–so4 2.0e-11 mmrso4 (kg kg – 1) mmrbc (kg kg-1) so2 (kg kg-1) 2002 2003 2003 2002 2003 2002 2003 2001 2001 2002 2001 2001 Year Year Year Year upwelling shortwave flux at TOA – no–so4 upwelling clear-sky longway flux at TOA - no-so4 net radiative flux incident shortwave flux at TOA - no-so4 at TOA - no-so4 2e-01 1e-01 0.0e+00 rlut + rsut $(W m^{-2})$ 1e-01 m-2rsdt(Wm-2)0e+00 -2.5e-07 rlutcs (W -1e-01 -5.0e-07 -2e-01 -3e-01 -3e-01 -7.5e-07 2003 2003 2001 2002 2003 2001 2002 2001 2002 2003 2001 2002 Year Year Year Year clear-sky net radiative implied cloud response dry deposition rate wet deposition rate flux at TOA - no-so4 at TOA - no-so4 of BC - no-so4 of BC - no-so4 rsut – rlutcs – rsutcs (W m⁻²) 2e-01 3.8e-15 $drybc (kg m^{-2} s^{-1})$ wetbc $(kg m^{-2} s^{-1})$ 1e-01 1.4e-15 0e+00 -1e-01 2001 2002 2003 2004 2001 2003 2001 2002 2003 2001 2002 2003 Year Year Year dry deposition rate of SO2 – no–so4 wet deposition rate of SO2 – no-so4 dry deposition rate of SO4 – no-so4 wet deposition rate of SO4 – no-so4 wetso2 (kg m $^{-2}$ s $^{-1}$) wetso4 $(kg m^{-2} s^{-1})$ dryso4 (kg m⁻² s⁻¹ 0.0e+00 2001 2002 2003 2002 2003 2002 2003 2003 Year Year Year ambient aerosol optical total cloud cover convective cloud cover thickness at 550nm - no-se percentage - no-so4 percentage - no-so4 5e-01 0e+00 0e+00 -1e-01 -5e-01



surface flux of BC – no-so4

9.5e-21