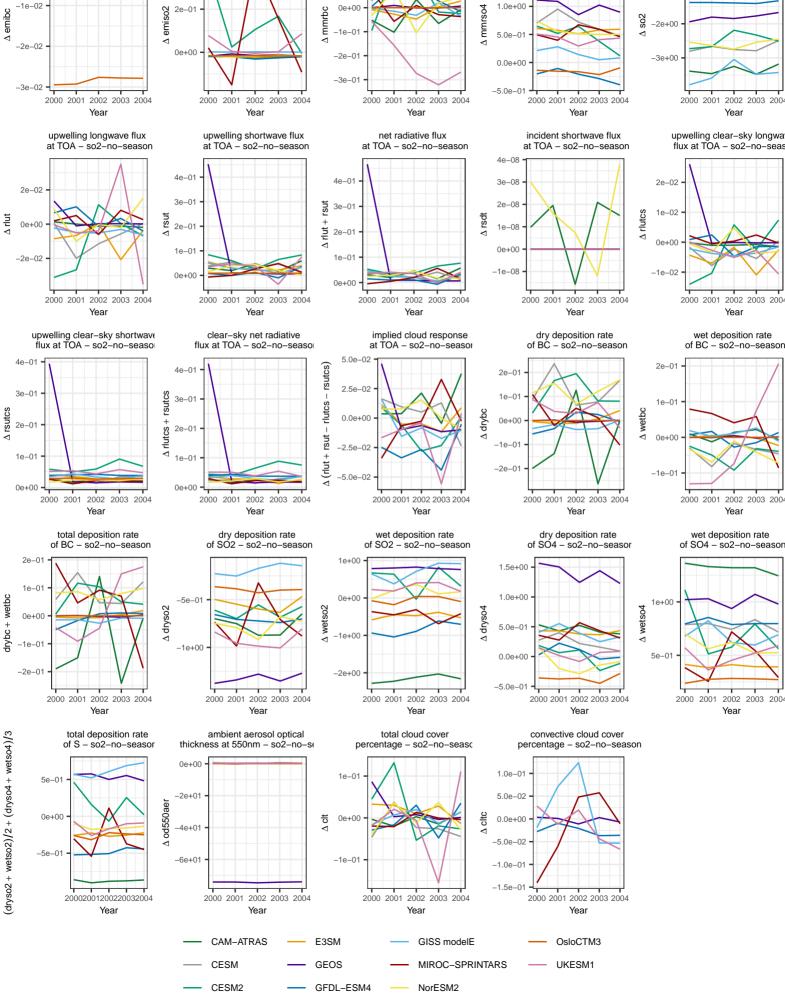
global: absolute difference surface flux surface concentration surface concentration surface concentration of BC - so2-no-season of SO2 - so2-no-seasor of BC - so2-no-season of SO4 - so2-no-seasor of SO2 - so2-no-season 2e-01 1.5e+00 -1e+00 0e+00 2e-01 ∆ emiso2 -2e+00 -1e-01 5.0e-01 -3e+00 -3e-01 -5.0e-01 2002 2003 2002 2003 2004 2000 2001 2002 2003 2004 2002 2003 2004 Year Year Year Year upwelling shortwave flux at TOA – so2–no–season upwelling clear-sky longway flux at TOA - so2-no-seaso net radiative flux incident shortwave flux at TOA - so2-no-season at TOA - so2-no-season 4e-01 4e-01 2e-08 3e-01 1e-08 2e-01 2e-01 0e+00 1e-01 -1e-08 0e+00 0e+00 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Year clear-sky net radiative flux at TOA - so2-no-season dry deposition rate of BC – so2–no–season wet deposition rate of BC – so2–no–season implied cloud response at TOA - so2-no-seaso rsutcs 2.5e-02 1e-01 3e-01 1e-01 0.0e+00 0e+00 ∆ rlutcs + 2e-01 (rlut + rsut --2.5e-02 1e-01 -2e-01 -1e-01 -5 0e-02 0e+002002 2003 2004 2000 2001 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Year dry deposition rate wet deposition rate dry deposition rate wet deposition rate of SO2 - so2-no-season of SO2 - so2-no-season of SO4 - so2-no-seasor of SO4 - so2-no-season 1e+00 1.5e+00 1 0e+00 1e+00 ∆ wetso2 ∆ dryso2 ∆ wetso4 ∆ dryso4 -1e+00 5e-01 0.0e + 0.02000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year convective cloud cover percentage – so2–no–season ambient aerosol optical total cloud cover thickness at 550nm - so2-no-se percentage - so2-no-seaso 0e+00 1e-01 0.0e+00



surface flux

0e+00